

Cover Page

Order ID : Q1940

Project ID : Dover

Client : G Environmental

Lab Sample Number

Q1940-04
Q1940-05
Q1940-06

Client Sample Number

MW-1
MW-2
MW-3

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: 5/9/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

G Environmental

Project Name: Dover

Project # N/A

Chemtech Project # Q1940

Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:

3 Water samples were received on 05/01/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD for {VN0502WBSD01} with File ID: VN086456.D met criteria except for Tert butyl alcohol[28%], due to difference in results of BS and BSD.

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration method (82N041525W.M) for Acetone is passing on Linear Regression.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

The Sample MW-2 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.



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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.

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

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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

Signature_____

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1940

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 05/09/2025

LAB CHRONICLE

OrderID:	Q1940	OrderDate:	5/1/2025 2:54:19 PM
Client:	G Environmental	Project:	Dover
Contact:	Gary Landis	Location:	L41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1940-04	MW-1	Water	VOCMS Group1	8260-Low	04/30/25		05/02/25	05/01/25
Q1940-05	MW-2	Water	VOCMS Group1	8260-Low	04/30/25		05/02/25	05/01/25
Q1940-06	MW-3	Water	VOCMS Group1	8260-Low	04/30/25		05/02/25	05/01/25

Hit Summary Sheet
SW-846

SDG No.: Q1940
Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	MW-1							
Q1940-04	MW-1	Water	Acetone	2.40	J	1.50	5.00	ug/L
Q1940-04	MW-1	Water	Benzene	0.79	J	0.15	1.00	ug/L
Q1940-04	MW-1	Water	m/p-Xylenes	0.52	J	0.24	2.00	ug/L
			Total Voc :			3.71		
Q1940-04	MW-1	Water	Butane, 2,3-dimethyl-	* 8.90	J	0	0	ug/L
Q1940-04	MW-1	Water	Pentane, 3-methyl-	* 12.0	J	0	0	ug/L
Q1940-04	MW-1	Water	Benzene, 1,3-diethyl-	* 9.00	J	0	0	ug/L
Q1940-04	MW-1	Water	Indane	* 11.8	J	0	0	ug/L
Q1940-04	MW-1	Water	Pentane, 2,3-dimethyl-	* 26.5	J	0	0	ug/L
Q1940-04	MW-1	Water	Butane, 2,2,3,3-tetramethyl-	* 22.6	J	0	0	ug/L
Q1940-04	MW-1	Water	Indan, 1-methyl-	* 15.9	J	0	0	ug/L
Q1940-04	MW-1	Water	Hexane, 2,3,4-trimethyl-	* 9.20	J	0	0	ug/L
Q1940-04	MW-1	Water	Cyclohexane, 1,3-dimethyl-, tr	* 10.1	J	0	0	ug/L
Q1940-04	MW-1	Water	Cyclopentane, 1,2,4-trimethyl-	* 11.8	J	0	0	ug/L
Q1940-04	MW-1	Water	Cyclopentane, 1,1,3-trimethyl-	* 15.3	J	0	0	ug/L
Q1940-04	MW-1	Water	Cyclohexane, 1,2-dimethyl-, tr	* 14.9	J	0	0	ug/L
Q1940-04	MW-1	Water	Benzene, 1-ethenyl-3-ethyl-	* 9.90	J	0	0	ug/L
Q1940-04	MW-1	Water	1-Heptene, 4-methyl-	* 14.4	J	0	0	ug/L
Q1940-04	MW-1	Water	1,3-Cyclopentadiene, 1,2,3,4-te	* 9.80	J	0	0	ug/L
Q1940-04	MW-1	Water	Isopropylbenzene	* 4.80	J	0.12	1.00	ug/L
Q1940-04	MW-1	Water	n-propylbenzene	* 8.30	J	0.13	1.00	ug/L
Q1940-04	MW-1	Water	n-Butylbenzene	* 1.50	J	0.15	1.00	ug/L
			Total Tics :			217		
			Total Concentration:			220		



QC SUMMARY

Surrogate Summary

SDG No.: **Q1940**

Client: **G Environmental**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1940-04	MW-1	1,2-Dichloroethane-d4	50	51.0	102	74	125
		Dibromofluoromethane	50	60.8	122	75	124
		Toluene-d8	50	51.8	104	86	113
		4-Bromofluorobenzene	50	50.7	101	77	121
Q1940-05	MW-2	1,2-Dichloroethane-d4	50	48.9	98	74	125
		Dibromofluoromethane	50	60.1	120	75	124
		Toluene-d8	50	51.7	103	86	113
		4-Bromofluorobenzene	50	48.8	98	77	121
Q1940-06	MW-3	1,2-Dichloroethane-d4	50	49.6	99	74	125
		Dibromofluoromethane	50	60.0	120	75	124
		Toluene-d8	50	51.4	103	86	113
		4-Bromofluorobenzene	50	49.9	100	77	121
VN0502WBL01	VN0502WBL01	1,2-Dichloroethane-d4	50	50.1	100	74	125
		Dibromofluoromethane	50	60.7	121	75	124
		Toluene-d8	50	51.3	103	86	113
		4-Bromofluorobenzene	50	49.1	98	77	121
VN0502WBS01	VN0502WBS01	1,2-Dichloroethane-d4	50	51.8	104	74	125
		Dibromofluoromethane	50	57.5	115	75	124
		Toluene-d8	50	52.4	105	86	113
		4-Bromofluorobenzene	50	51.5	103	77	121
VN0502WBSD01	VN0502WBSD01	1,2-Dichloroethane-d4	50	56.4	113	74	125
		Dibromofluoromethane	50	60.2	120	75	124
		Toluene-d8	50	53.4	107	86	113
		4-Bromofluorobenzene	50	52.0	104	77	121

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1940

Client: G Environmental

Analytical Method: SW8260-Low

Datafile : VN086454.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0502WBS01	Chloromethane	20	17.3	ug/L	86			65	116	
	Vinyl chloride	20	18.4	ug/L	92			65	117	
	Bromomethane	20	22.6	ug/L	113			58	125	
	Chloroethane	20	17.9	ug/L	90			56	128	
	Tert butyl alcohol	100	82.7	ug/L	83			73	124	
	1,1-Dichloroethene	20	18.5	ug/L	93			74	110	
	Acetone	100	87.4	ug/L	87			60	125	
	Carbon disulfide	20	17.0	ug/L	85			64	112	
	Methyl tert-butyl Ether	20	18.2	ug/L	91			78	114	
	Methylene Chloride	20	18.6	ug/L	93			72	114	
	trans-1,2-Dichloroethene	20	18.8	ug/L	94			75	108	
	1,1-Dichloroethane	20	18.3	ug/L	92			78	112	
	2-Butanone	100	83.8	ug/L	84			65	122	
	Carbon Tetrachloride	20	20.5	ug/L	103			77	113	
	cis-1,2-Dichloroethene	20	19.2	ug/L	96			77	110	
	Chloroform	20	19.4	ug/L	97			79	113	
	1,1,1-Trichloroethane	20	19.9	ug/L	100			80	108	
	Benzene	20	19.6	ug/L	98			82	109	
	1,2-Dichloroethane	20	20.0	ug/L	100			80	115	
	Trichloroethene	20	20.4	ug/L	102			77	113	
	1,2-Dichloropropane	20	19.4	ug/L	97			83	111	
	Bromodichloromethane	20	20.3	ug/L	102			83	110	
	4-Methyl-2-Pentanone	100	89.0	ug/L	89			74	118	
	Toluene	20	20.1	ug/L	101			82	110	
	t-1,3-Dichloropropene	20	19.8	ug/L	99			79	110	
	cis-1,3-Dichloropropene	20	19.2	ug/L	96			82	110	
	1,1,2-Trichloroethane	20	20.3	ug/L	102			83	112	
	2-Hexanone	100	88.0	ug/L	88			73	117	
	Dibromochloromethane	20	19.9	ug/L	100			82	110	
	Tetrachloroethene	20	20.6	ug/L	103			67	123	
	Chlorobenzene	20	20.0	ug/L	100			82	109	
	Ethyl Benzene	20	19.9	ug/L	100			83	109	
	m/p-Xylenes	40	40.4	ug/L	101			82	110	
	o-Xylene	20	19.9	ug/L	100			83	109	
	Styrene	20	19.8	ug/L	99			80	111	
	Bromoform	20	19.8	ug/L	99			79	109	
	1,1,2,2-Tetrachloroethane	20	18.9	ug/L	95			76	118	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1940

Client: G Environmental

Analytical Method: SW8260-Low

Datafile : VN086456.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0502WBSD01	Chloromethane	20	17.3	ug/L	86	0		65	116	20
	Vinyl chloride	20	17.9	ug/L	90	2		65	117	20
	Bromomethane	20	23.8	ug/L	119	5		58	125	20
	Chloroethane	20	18.5	ug/L	93	3		56	128	20
	Tert butyl alcohol	100	110	ug/L	110	28	*	73	124	20
	1,1-Dichloroethene	20	18.0	ug/L	90	3		74	110	20
	Acetone	100	100	ug/L	100	14		60	125	20
	Carbon disulfide	20	16.7	ug/L	84	1		64	112	20
	Methyl tert-butyl Ether	20	19.2	ug/L	96	5		78	114	20
	Methylene Chloride	20	19.4	ug/L	97	4		72	114	20
	trans-1,2-Dichloroethene	20	19.4	ug/L	97	3		75	108	20
	1,1-Dichloroethane	20	18.7	ug/L	94	2		78	112	20
	2-Butanone	100	96.1	ug/L	96	13		65	122	20
	Carbon Tetrachloride	20	20.3	ug/L	102	1		77	113	20
	cis-1,2-Dichloroethene	20	19.3	ug/L	97	1		77	110	20
	Chloroform	20	20.0	ug/L	100	3		79	113	20
	1,1,1-Trichloroethane	20	19.6	ug/L	98	2		80	108	20
	Benzene	20	19.5	ug/L	98	0		82	109	20
	1,2-Dichloroethane	20	20.8	ug/L	104	4		80	115	20
	Trichloroethene	20	20.0	ug/L	100	2		77	113	20
	1,2-Dichloropropane	20	19.5	ug/L	98	1		83	111	20
	Bromodichloromethane	20	20.7	ug/L	104	2		83	110	20
	4-Methyl-2-Pentanone	100	100	ug/L	100	12		74	118	20
	Toluene	20	19.6	ug/L	98	3		82	110	20
	t-1,3-Dichloropropene	20	20.3	ug/L	102	3		79	110	20
	cis-1,3-Dichloropropene	20	19.8	ug/L	99	3		82	110	20
	1,1,2-Trichloroethane	20	21.3	ug/L	106	4		83	112	20
	2-Hexanone	100	100	ug/L	100	13		73	117	20
	Dibromochloromethane	20	20.9	ug/L	104	4		82	110	20
	Tetrachloroethene	20	20.2	ug/L	101	2		67	123	20
	Chlorobenzene	20	19.8	ug/L	99	1		82	109	20
	Ethyl Benzene	20	19.1	ug/L	96	4		83	109	20
	m/p-Xylenes	40	39.3	ug/L	98	3		82	110	20
	o-Xylene	20	19.7	ug/L	99	1		83	109	20
	Styrene	20	19.4	ug/L	97	2		80	111	20
	Bromoform	20	20.5	ug/L	103	4		79	109	20
	1,1,2,2-Tetrachloroethane	20	21.0	ug/L	105	10		76	118	20

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0502WBL01

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1940

SAS No.: Q1940 SDG NO.: Q1940

Lab File ID: VN086453.D

Lab Sample ID: VN0502WBL01

Date Analyzed: 05/02/2025

Time Analyzed: 10:22

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
VN0502WBS01	VN0502WBS01	VN086454.D	05/02/2025
VN0502WBSD01	VN0502WBSD01	VN086456.D	05/02/2025
MW-1	Q1940-04	VN086473.D	05/02/2025
MW-2	Q1940-05	VN086474.D	05/02/2025
MW-3	Q1940-06	VN086475.D	05/02/2025

COMMENTS: _____



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q1940 SAS No.: Q1940 SDG NO.: Q1940
Lab File ID: VN086276.D BFB Injection Date: 04/15/2025
Instrument ID: MSVOA_N BFB Injection Time: 10:47
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	19.6
75	30.0 - 60.0% of mass 95	50.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.4 (0.6) 1
174	50.0 - 100.0% of mass 95	67.6
175	5.0 - 9.0% of mass 174	5.1 (7.6) 1
176	95.0 - 101.0% of mass 174	64.6 (95.5) 1
177	5.0 - 9.0% of mass 176	4.4 (6.7) 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
VSTDIC001	VSTDIC001	VN086277.D	04/15/2025	11:29
VSTDIC005	VSTDIC005	VN086278.D	04/15/2025	12:21
VSTDIC010	VSTDIC010	VN086279.D	04/15/2025	12:45
VSTDIC020	VSTDIC020	VN086280.D	04/15/2025	13:09
VSTDIC050	VSTDIC050	VN086281.D	04/15/2025	13:51
VSTDIC100	VSTDIC100	VN086282.D	04/15/2025	14:29



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q1940 SAS No.: Q1940 SDG NO.: Q1940
Lab File ID: VN086450.D BFB Injection Date: 05/02/2025
Instrument ID: MSVOA_N BFB Injection Time: 08:47
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	19.8
75	30.0 - 60.0% of mass 95	51
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	71.9
175	5.0 - 9.0% of mass 174	5.1 (7.1) 1
176	95.0 - 101.0% of mass 174	69.2 (96.3) 1
177	5.0 - 9.0% of mass 176	4.5 (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
VSTDCCC050	VSTDCCC050	VN086451.D	05/02/2025	09:21
VN0502WBL01	VN0502WBL01	VN086453.D	05/02/2025	10:22
VN0502WBS01	VN0502WBS01	VN086454.D	05/02/2025	11:26
VN0502WBSD01	VN0502WBSD01	VN086456.D	05/02/2025	12:14
MW-1	Q1940-04	VN086473.D	05/02/2025	19:07
MW-2	Q1940-05	VN086474.D	05/02/2025	19:31
MW-3	Q1940-06	VN086475.D	05/02/2025	19:56

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01
 Lab Code: CHEM Case No.: Q1940 SAS No.: Q1940 SDG NO.: Q1940
 Lab File ID: VN086451.D Date Analyzed: 05/02/2025
 Instrument ID: MSVOA_N Time Analyzed: 09:21
 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	187608	8.22	337415	9.10	308780	11.87
UPPER LIMIT	375216	8.724	674830	9.6	617560	12.365
LOWER LIMIT	93804	7.724	168708	8.6	154390	11.365
EPA SAMPLE NO.						
MW-1	131476	8.22	259020	9.10	245875	11.86
MW-2	151630	8.22	288383	9.10	274301	11.87
MW-3	141230	8.22	272575	9.10	263663	11.87
VN0502WBL01	154685	8.22	298860	9.10	280972	11.87
VN0502WBS01	205101	8.22	372276	9.10	334682	11.86
VN0502WBSD01	145586	8.22	268054	9.10	242177	11.86

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: GENV01
 Lab Code: CHEM Case No.: Q1940 SAS No.: Q1940 SDG NO.: Q1940
 Lab File ID: VN086451.D Date Analyzed: 05/02/2025
 Instrument ID: MSVOA_N Time Analyzed: 09:21
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	150946	13.788				
UPPER LIMIT	301892	14.288				
LOWER LIMIT	75473	13.288				
EPA SAMPLE NO.						
MW-1	108714	13.79				
MW-2	114473	13.79				
MW-3	115290	13.79				
VN0502WBL01	119397	13.79				
VN0502WBS01	155592	13.79				
VN0502WBSD01	108773	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:	G Environmental		Date Collected:	04/30/25	
Project:	Dover		Date Received:	05/01/25	
Client Sample ID:	MW-1		SDG No.:	Q1940	
Lab Sample ID:	Q1940-04		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086473.D	1		05/02/25 19:07	VN050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-65-0	Tert butyl alcohol	5.50	U	5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	2.40	J	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.79	J	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L

Report of Analysis

Client:	G Environmental			Date Collected:	04/30/25	
Project:	Dover			Date Received:	05/01/25	
Client Sample ID:	MW-1			SDG No.:	Q1940	
Lab Sample ID:	Q1940-04			Matrix:	Water	
Analytical Method:	SW8260			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID :	0.25	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086473.D	1		05/02/25 19:07	VN050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.52	J	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.0		74 - 125	102%	SPK: 50
1868-53-7	Dibromofluoromethane	60.8		75 - 124	122%	SPK: 50
2037-26-5	Toluene-d8	51.8		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	131000	8.224			
540-36-3	1,4-Difluorobenzene	259000	9.1			
3114-55-4	Chlorobenzene-d5	246000	11.864			
3855-82-1	1,4-Dichlorobenzene-d4	109000	13.788			
TENTATIVE IDENTIFIED COMPOUNDS						
000079-29-8	Butane, 2,3-dimethyl-	8.90	J		5.27	ug/L
000096-14-0	Pentane, 3-methyl-	12.0	J		5.81	ug/L
000565-59-3	Pentane, 2,3-dimethyl-	26.5	J		8.33	ug/L
000594-82-1	Butane, 2,2,3,3-tetramethyl-	22.6	J		8.76	ug/L
004516-69-2	Cyclopentane, 1,1,3-trimethyl-	15.3	J		9.56	ug/L
002815-58-9	Cyclopentane, 1,2,4-trimethyl-	11.8	J		9.87	ug/L
013151-05-8	1-Heptene, 4-methyl-	14.4	J		10.0	ug/L
000921-47-1	Hexane, 2,3,4-trimethyl-	9.20	J		10.1	ug/L
002207-03-6	Cyclohexane, 1,3-dimethyl-, trans-	10.1	J		10.7	ug/L
006876-23-9	Cyclohexane, 1,2-dimethyl-, trans-	14.9	J		11.0	ug/L
98-82-8	Isopropylbenzene	4.80	J		12.7	ug/L
103-65-1	n-propylbenzene	8.30	J		13.0	ug/L
000141-93-5	Benzene, 1,3-diethyl-	9.00	J		13.9	ug/L
000496-11-7	Indane	11.8	J		14.0	ug/L

Report of Analysis

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Project:	Dover	Date Received:	05/01/25
Client Sample ID:	MW-1	SDG No.:	Q1940
Lab Sample ID:	Q1940-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086473.D	1		05/02/25 19:07	VN050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
104-51-8	n-Butylbenzene	1.50	J		14.1	ug/L
000767-58-8	Indan, 1-methyl-	15.9	J		14.4	ug/L
076089-59-3	1,3-Cyclopentadiene, 1,2,3,4-tetra	9.80	J		14.7	ug/L
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	9.90	J		14.9	ug/L

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\VN050225\
 Data File : VN086473.D
 Acq On : 02 May 2025 19:07
 Operator : JC\MD
 Sample : Q1940-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Quant Time: May 02 23:18:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

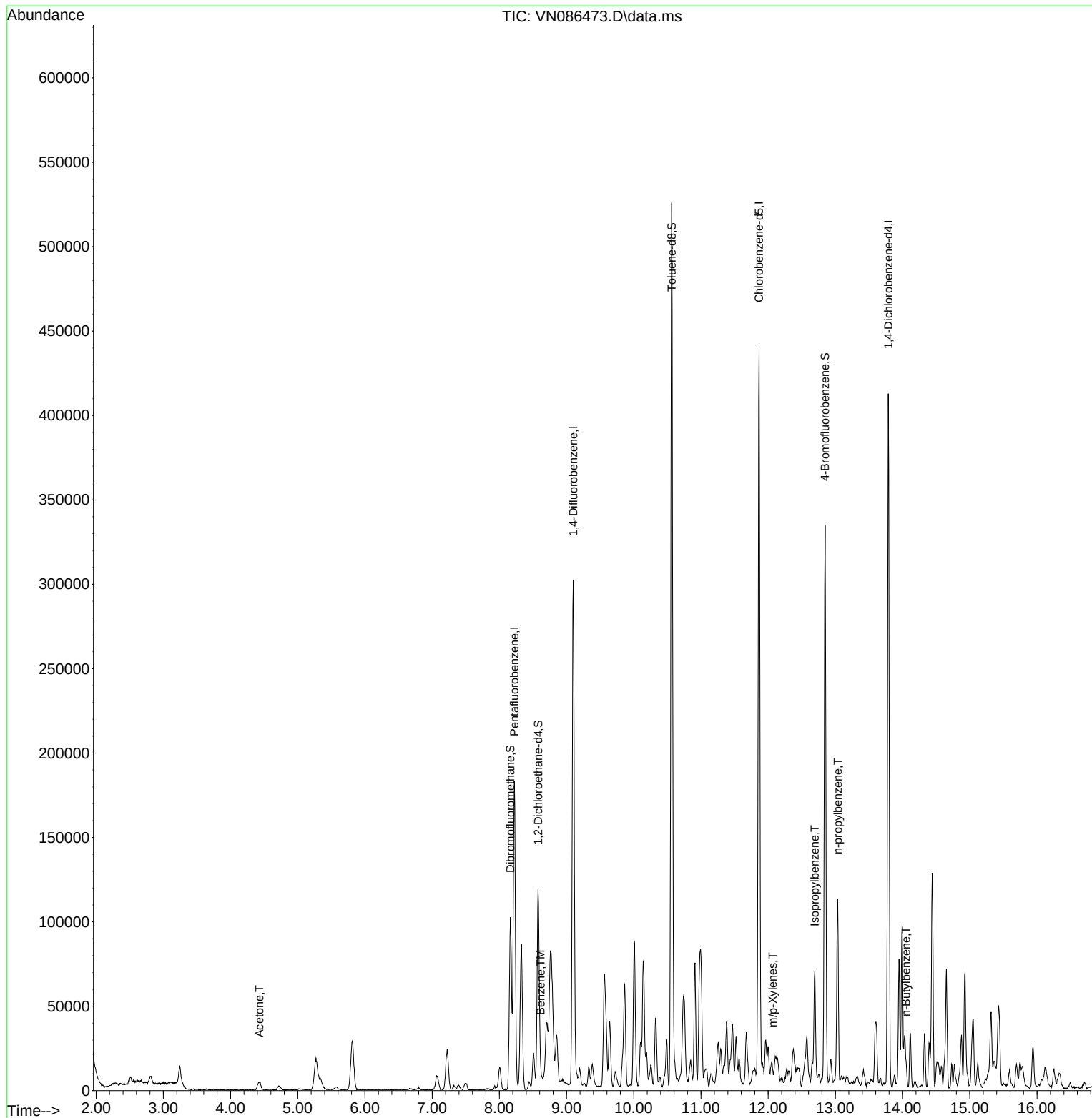
Internal Standards						
1) Pentafluorobenzene	8.224	168	131476	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	259020	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	245875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108714	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	97311	51.041	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.080%			
35) Dibromofluoromethane	8.165	113	73087	60.797	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 121.600%			
50) Toluene-d8	10.565	98	332868	51.809	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.620%			
62) 4-Bromofluorobenzene	12.847	95	118853	50.718	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.440%			
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	5333	2.439	ug/l #	70
40) Benzene	8.612	78	6072	0.789	ug/l	99
68) m/p-Xylenes	12.070	106	1932	0.521	ug/l	78
73) Isopropylbenzene	12.694	105	42439	4.772	ug/l	100
78) n-propylbenzene	13.035	91	86921	8.295	ug/l	100
89) n-Butylbenzene	14.053	91	9756	1.526	ug/l #	59

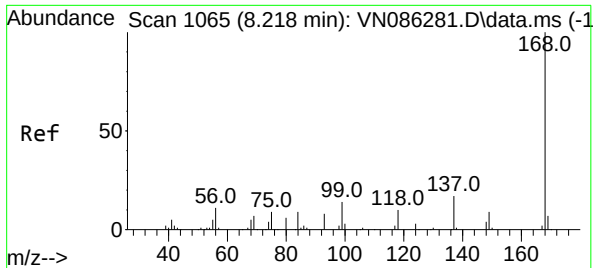
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Quant Time: May 02 23:18:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

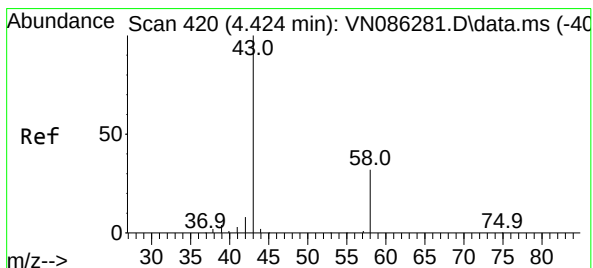
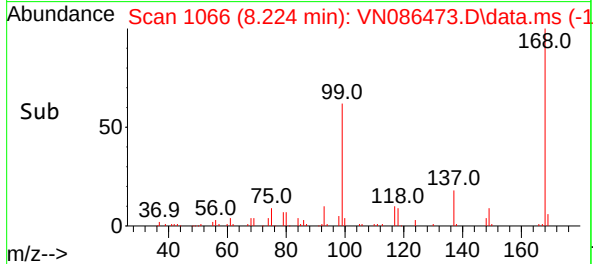
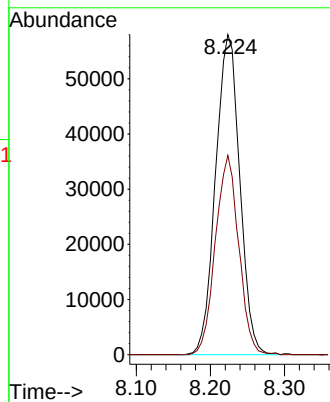
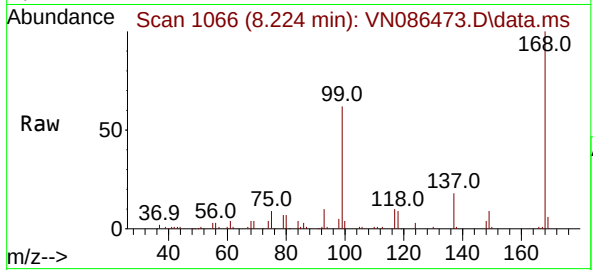




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086473.D
Acq: 02 May 2025 19:07

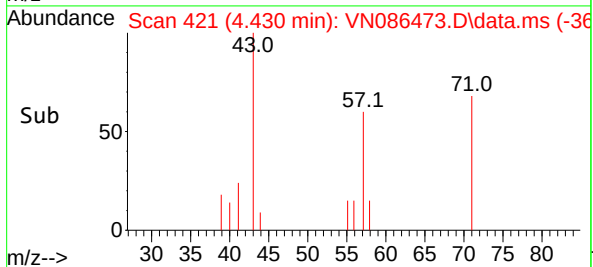
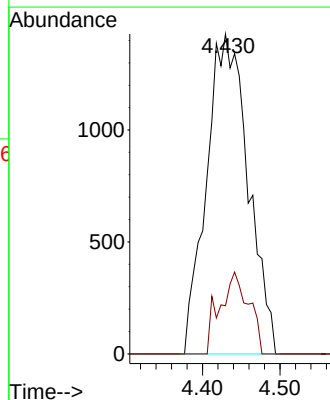
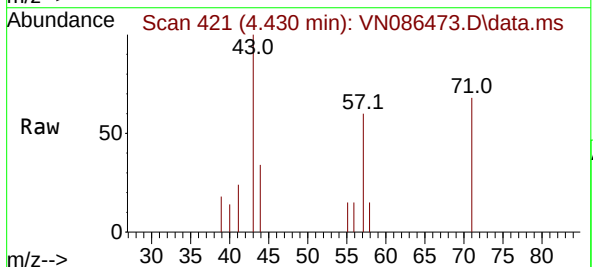
Instrument :
MSVOA_N
ClientSampleId :
MW-1

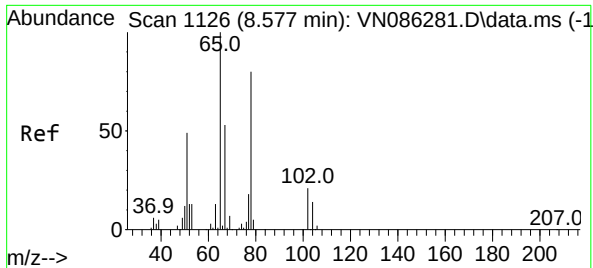
Tgt Ion:168 Resp: 131476
Ion Ratio Lower Upper
168 100
99 62.3 52.5 78.7



#16
Acetone
Concen: 2.439 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086473.D
Acq: 02 May 2025 19:07

Tgt Ion: 43 Resp: 5333
Ion Ratio Lower Upper
43 100
58 15.0 25.3 37.9#





#33

1,2-Dichloroethane-d4

Concen: 51.041 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086473.D

Acq: 02 May 2025 19:07

Instrument :

MSVOA_N

ClientSampleId :

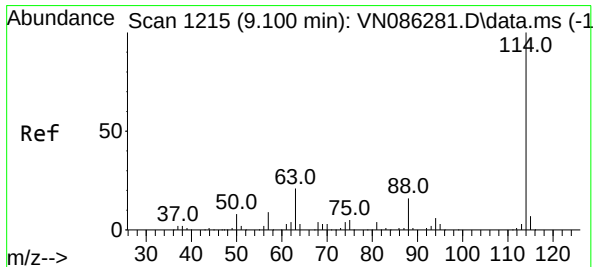
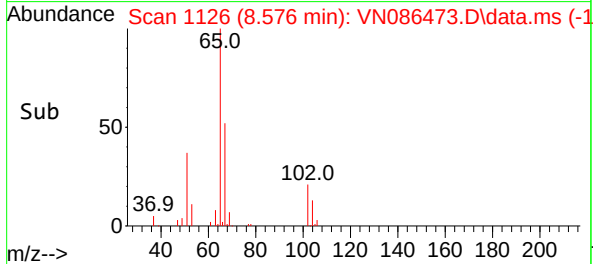
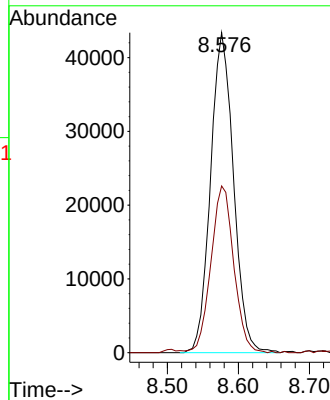
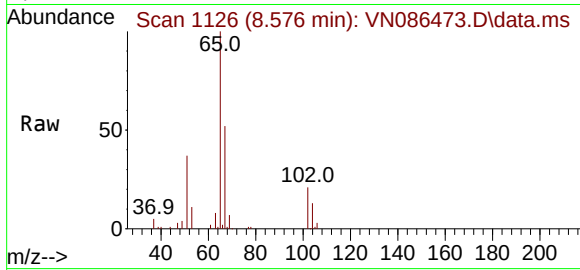
MW-1

Tgt Ion: 65 Resp: 97311

Ion Ratio Lower Upper

65 100

67 51.8 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086473.D

Acq: 02 May 2025 19:07

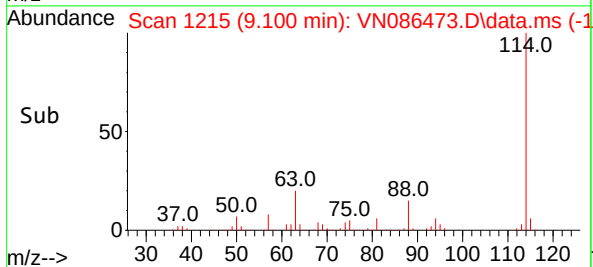
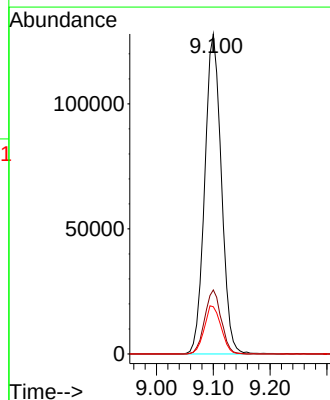
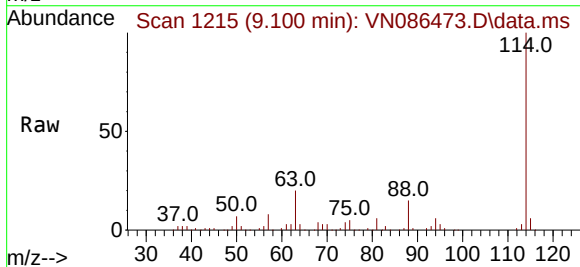
Tgt Ion: 114 Resp: 259020

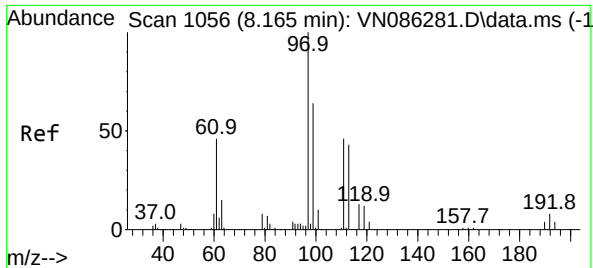
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.6

88 14.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 60.797 ug/l

RT: 8.165 min Scan# 110

Delta R.T. -0.000 min

Lab File: VN086473.D

Acq: 02 May 2025 19:07

Instrument :

MSVOA_N

ClientSampleId :

MW-1

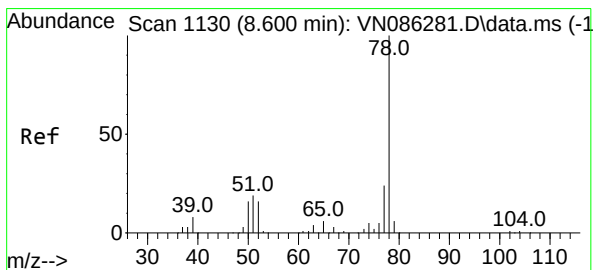
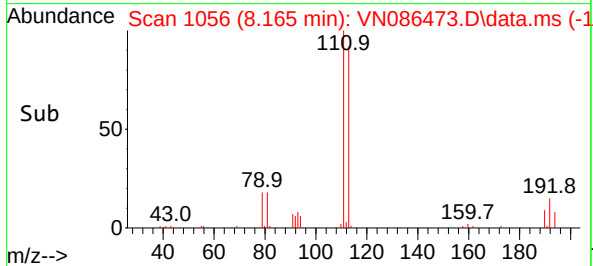
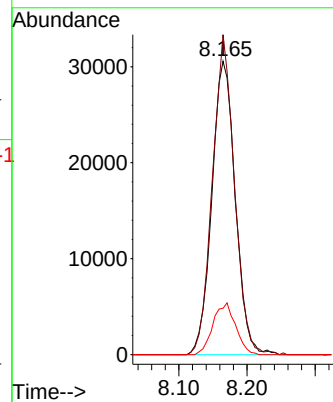
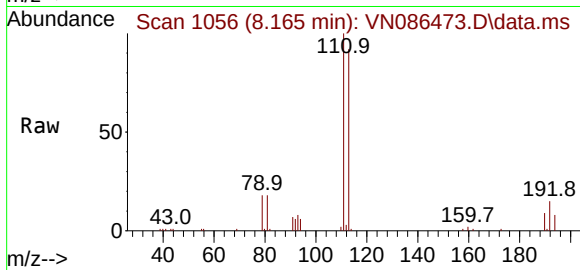
Tgt Ion:113 Resp: 73087

Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.0

192 17.1 13.7 20.5



#40

Benzene

Concen: 0.789 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.012 min

Lab File: VN086473.D

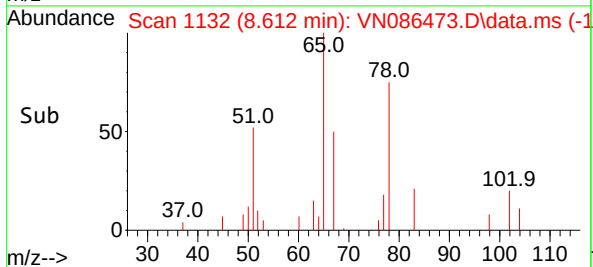
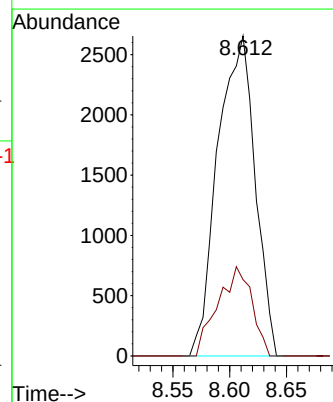
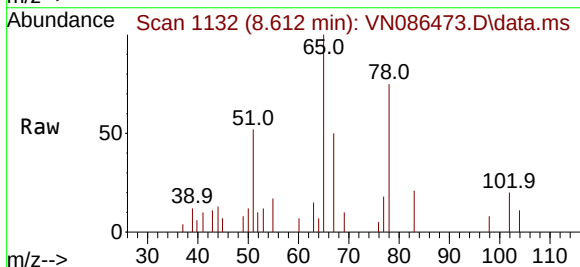
Acq: 02 May 2025 19:07

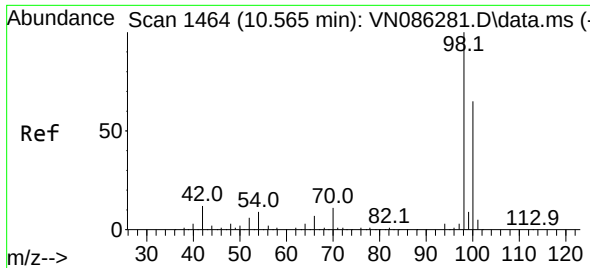
Tgt Ion: 78 Resp: 6072

Ion Ratio Lower Upper

78 100

77 23.8 19.4 29.2

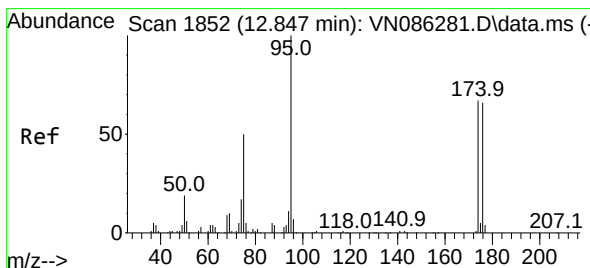
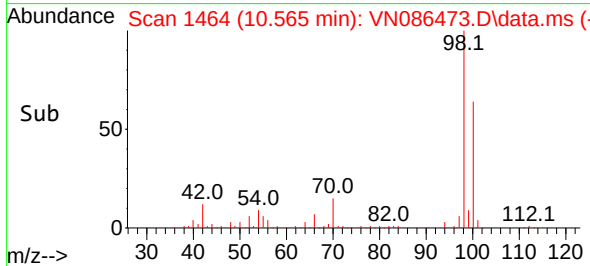
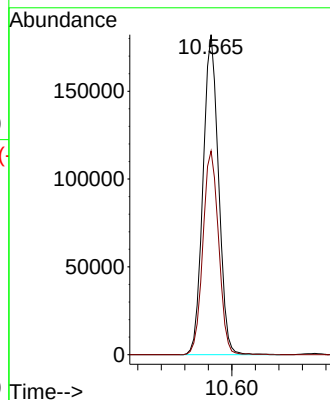
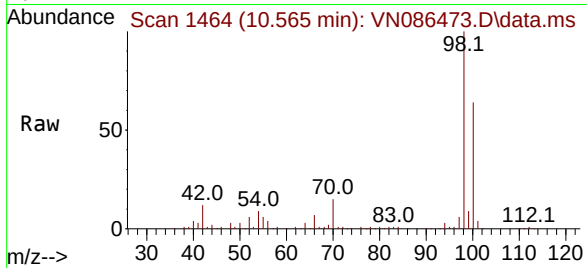




#50
Toluene-d8
Concen: 51.809 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086473.D
Acq: 02 May 2025 19:07

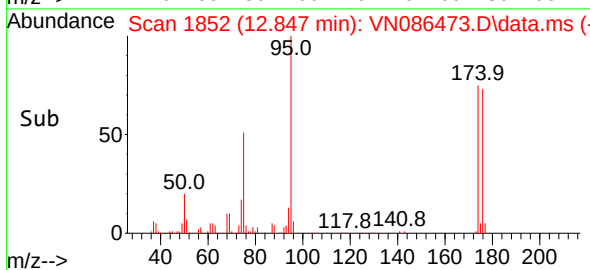
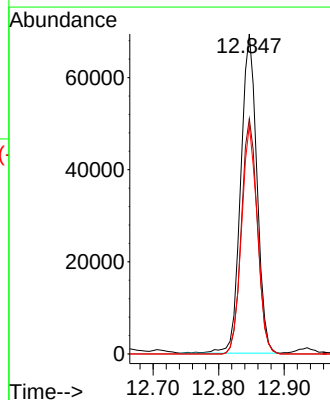
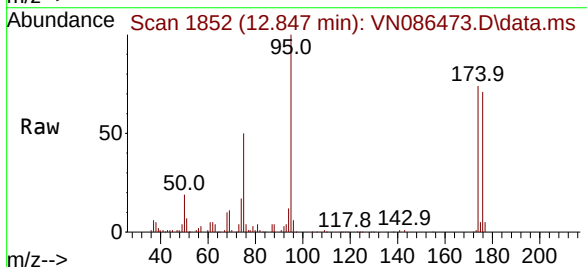
Instrument :
MSVOA_N
ClientSampleId :
MW-1

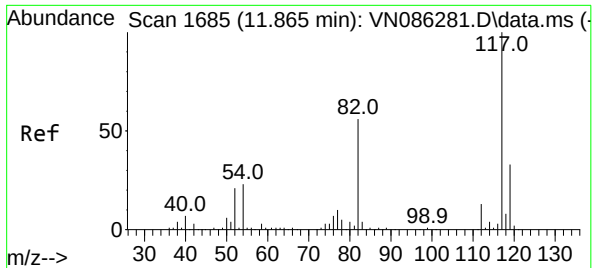
Tgt Ion: 98 Resp: 332868
Ion Ratio Lower Upper
98 100
100 64.5 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 50.718 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086473.D
Acq: 02 May 2025 19:07

Tgt Ion: 95 Resp: 118853
Ion Ratio Lower Upper
95 100
174 72.5 0.0 133.4
176 69.9 0.0 129.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.864 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086473.D

Acq: 02 May 2025 19:07

Instrument :

MSVOA_N

ClientSampleId :

MW-1

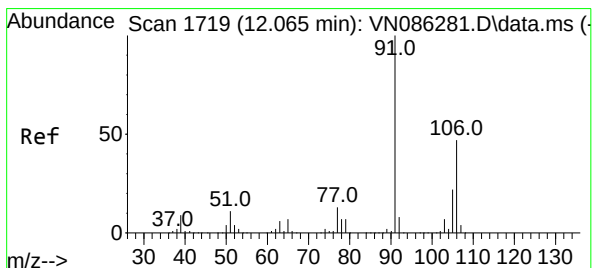
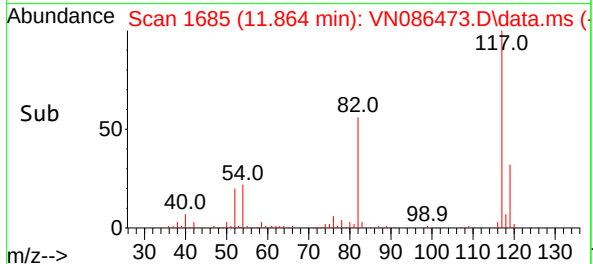
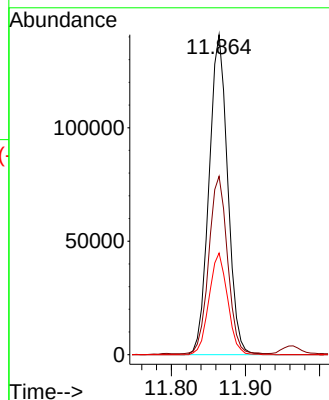
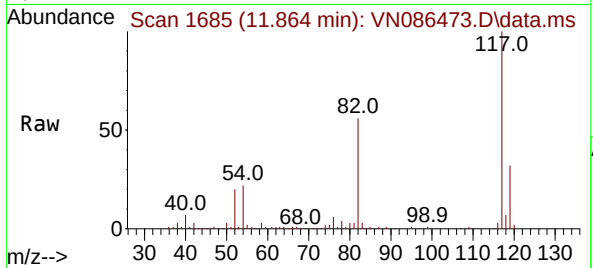
Tgt Ion:117 Resp: 245875

Ion Ratio Lower Upper

117 100

82 55.5 44.7 67.1

119 31.8 26.4 39.6



#68

m/p-Xylenes

Concen: 0.521 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. 0.006 min

Lab File: VN086473.D

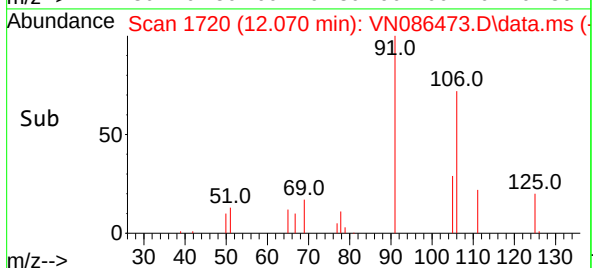
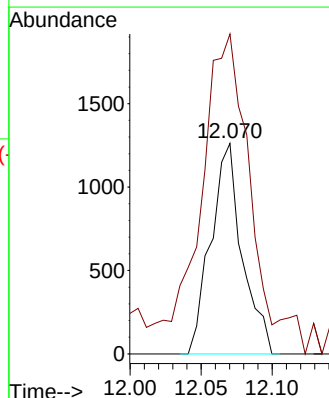
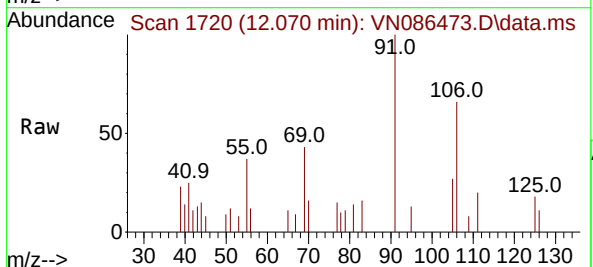
Acq: 02 May 2025 19:07

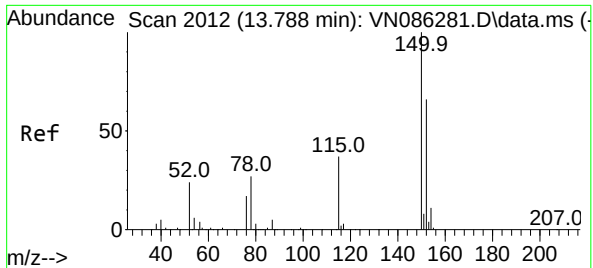
Tgt Ion:106 Resp: 1932

Ion Ratio Lower Upper

106 100

91 241.7 166.5 249.7

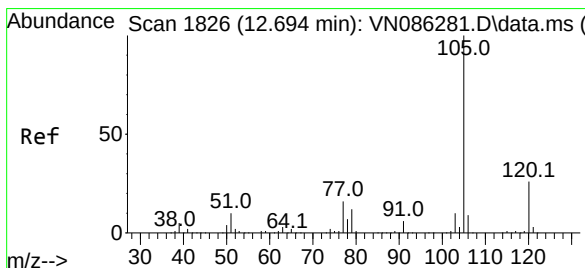
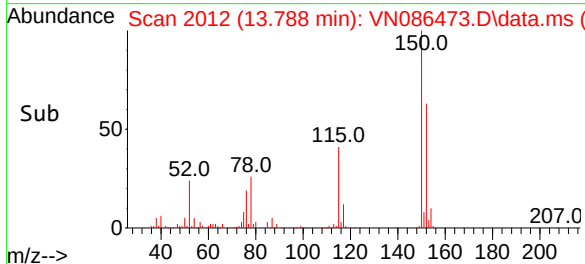
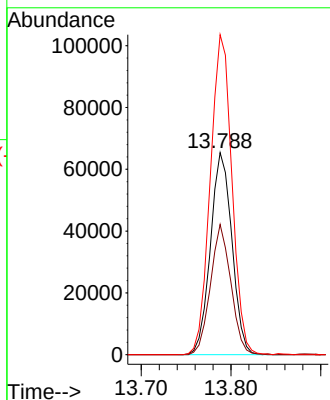
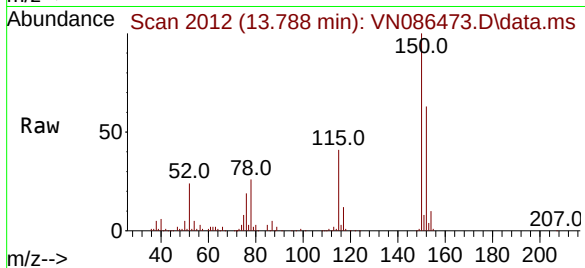




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086473.D
Acq: 02 May 2025 19:07

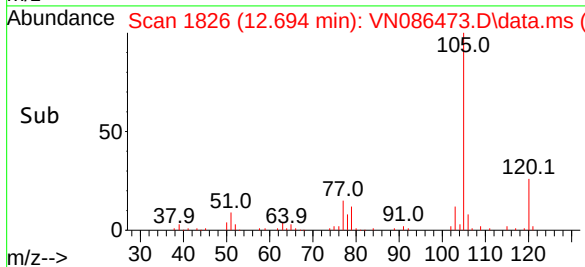
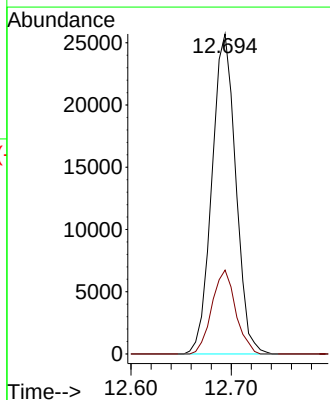
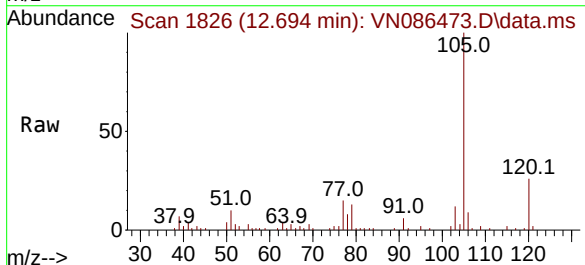
Instrument :
MSVOA_N
ClientSampleId :
MW-1

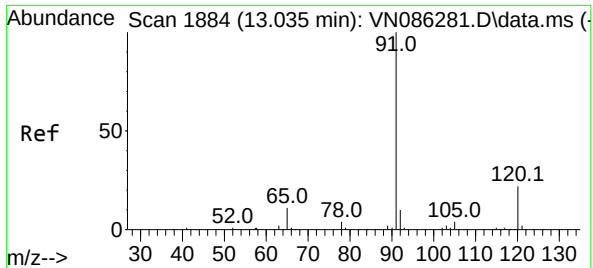
Tgt Ion:152 Resp: 108714
Ion Ratio Lower Upper
152 100
115 61.2 31.9 95.9
150 159.2 0.0 352.0



#73
Isopropylbenzene
Concen: 4.772 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086473.D
Acq: 02 May 2025 19:07

Tgt Ion:105 Resp: 42439
Ion Ratio Lower Upper
105 100
120 26.2 13.1 39.3





#78

n-propylbenzene

Concen: 8.295 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN086473.D

Acq: 02 May 2025 19:07

Instrument :

MSVOA_N

ClientSampleId :

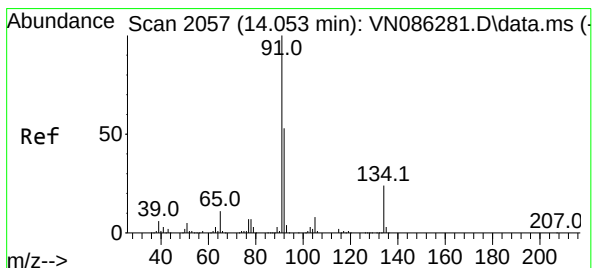
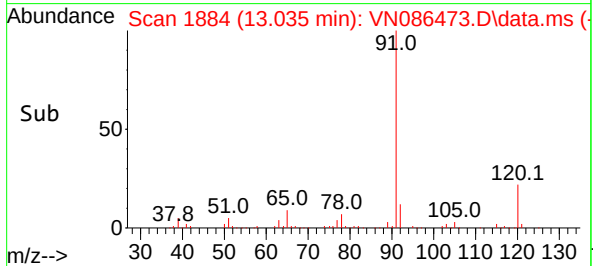
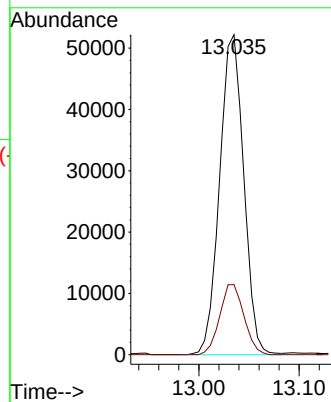
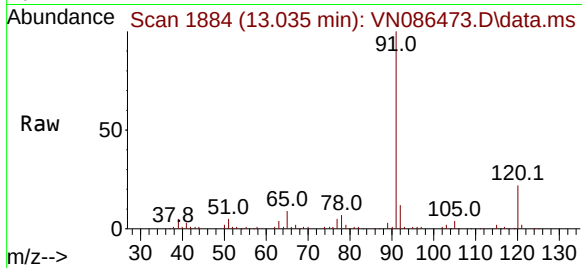
MW-1

Tgt Ion: 91 Resp: 86921

Ion Ratio Lower Upper

91 100

120 22.0 11.1 33.3



#89

n-Butylbenzene

Concen: 1.526 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086473.D

Acq: 02 May 2025 19:07

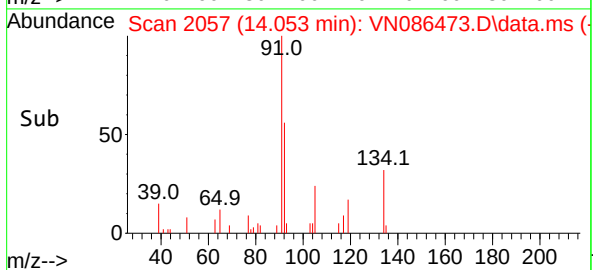
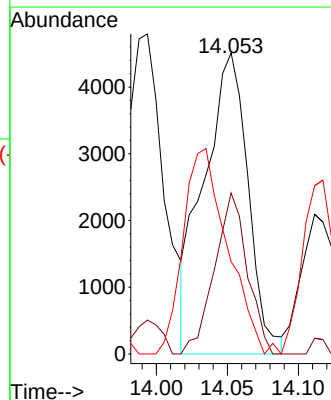
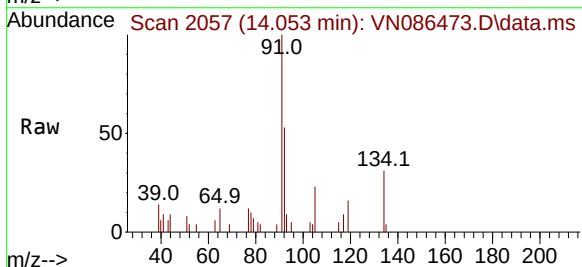
Tgt Ion: 91 Resp: 9756

Ion Ratio Lower Upper

91 100

92 39.7 26.8 80.4

134 67.8 12.2 36.6#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
 Data File : VN086473.D
 Acq On : 02 May 2025 19:07
 Operator : JC\MD
 Sample : Q1940-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Title : SW846 8260

Signal : TIC: VN086473.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.241	212	219	233	rVB3	13285	41040	4.14%	0.404%
2	4.430	406	421	434	rBV6	4875	17631	1.78%	0.174%
3	5.271	552	564	573	rBV3	18594	70337	7.10%	0.693%
4	5.812	643	656	667	rBV	29063	94761	9.56%	0.934%
5	7.065	857	869	879	rBV4	8470	26520	2.68%	0.261%
6	7.224	886	896	905	rBV	23902	66795	6.74%	0.658%
7	7.500	935	943	951	rVB3	3968	12342	1.24%	0.122%
8	8.006	1021	1029	1040	rVB2	13225	35196	3.55%	0.347%
9	8.165	1045	1056	1061	rBV2	102327	245379	24.75%	2.417%
10	8.224	1061	1066	1075	rVV	181740	394568	39.80%	3.887%
11	8.329	1075	1084	1094	rVB	86102	209116	21.09%	2.060%
12	8.441	1095	1103	1108	rBV4	4714	10072	1.02%	0.099%
13	8.506	1108	1114	1119	rBV3	19971	41241	4.16%	0.406%
14	8.576	1119	1126	1137	rVV2	115483	269593	27.20%	2.656%
15	8.706	1139	1148	1152	rVV3	36014	107766	10.87%	1.062%
16	8.759	1152	1157	1168	rVV3	77904	283568	28.60%	2.794%
17	8.847	1168	1172	1181	rVB3	27840	65717	6.63%	0.647%
18	9.100	1207	1215	1226	rBV	298172	626293	63.18%	6.170%
19	9.194	1228	1231	1238	rVB3	10036	16984	1.71%	0.167%
20	9.329	1249	1254	1258	rBV3	11189	21295	2.15%	0.210%
21	9.382	1258	1263	1276	rVB3	13296	33596	3.39%	0.331%
22	9.565	1285	1294	1302	rBV5	66948	192055	19.37%	1.892%
23	9.641	1302	1307	1315	rVV2	38946	81465	8.22%	0.803%
24	9.723	1315	1321	1332	rVB4	8898	22593	2.28%	0.223%
25	9.865	1334	1345	1355	rVV2	60895	147909	14.92%	1.457%
26	10.006	1361	1369	1380	rBV2	86202	180748	18.23%	1.781%
27	10.100	1380	1385	1387	rBV2	25752	43455	4.38%	0.428%
28	10.141	1387	1392	1399	rVB	57504	115368	11.64%	1.137%
29	10.253	1405	1411	1417	rVB3	11242	25341	2.56%	0.250%
30	10.323	1417	1423	1430	rBV3	38883	78980	7.97%	0.778%
31	10.388	1431	1434	1440	rVB4	5830	10563	1.07%	0.104%
32	10.488	1440	1451	1457	rBV4	28063	61488	6.20%	0.606%
33	10.565	1457	1464	1476	rBV	523427	991332	100.00%	9.766%
34	10.741	1482	1494	1505	rVB5	50428	151111	15.24%	1.489%
35	10.847	1505	1512	1517	rBV5	12437	26677	2.69%	0.263%
36	10.912	1517	1523	1529	rVB	68911	118842	11.99%	1.171%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
 Data File : VN086473.D
 Acq On : 02 May 2025 19:07
 Operator : JC\MD
 Sample : Q1940-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Title : SW846 8260

37	10.994	1529	1537	1544	rBV4	77290	223305	22.53%	2.200%
38	11.147	1558	1563	1573	rBV7	7828	24613	2.48%	0.242%
39	11.259	1573	1582	1585	rVV6	25714	64379	6.49%	0.634%
40	11.294	1585	1588	1593	rVV5	21441	41580	4.19%	0.410%
41	11.341	1593	1596	1597	rVV2	11604	15334	1.55%	0.151%
42	11.382	1598	1603	1608	rVV4	37096	75371	7.60%	0.743%
43	11.464	1608	1617	1622	rVV4	35083	92907	9.37%	0.915%
44	11.523	1622	1627	1632	rVV3	27522	55117	5.56%	0.543%
45	11.564	1632	1634	1640	rVB5	13755	22353	2.25%	0.220%
46	11.676	1645	1653	1661	rVB2	31231	68892	6.95%	0.679%
47	11.776	1661	1670	1673	rBV8	8181	20745	2.09%	0.204%
48	11.864	1678	1685	1692	rBV	430014	750427	75.70%	7.393%
49	11.964	1697	1702	1705	rVV2	24704	49423	4.99%	0.487%
50	12.000	1705	1708	1713	rVV2	20969	35609	3.59%	0.351%
51	12.053	1713	1717	1721	rVV6	11623	24027	2.42%	0.237%
52	12.106	1721	1726	1738	rVB10	14630	57564	5.81%	0.567%
53	12.276	1748	1755	1758	rBV5	8080	16431	1.66%	0.162%
54	12.376	1765	1772	1778	rBV6	18903	50370	5.08%	0.496%
55	12.576	1792	1806	1815	rBV7	30093	98850	9.97%	0.974%
56	12.653	1815	1819	1821	rVV2	13253	21023	2.12%	0.207%
57	12.694	1821	1826	1834	rVV	66659	122056	12.31%	1.202%
58	12.847	1845	1852	1860	rVV	330368	564472	56.94%	5.561%
59	12.935	1860	1867	1872	rVB4	13716	24690	2.49%	0.243%
60	13.035	1877	1884	1890	rVB	107440	180356	18.19%	1.777%
61	13.329	1926	1934	1942	rVB7	5331	15892	1.60%	0.157%
62	13.417	1942	1949	1957	rVB4	9899	23570	2.38%	0.232%
63	13.606	1974	1981	1988	rVV3	36180	91734	9.25%	0.904%
64	13.788	2003	2012	2022	rVB	410791	686138	69.21%	6.760%
65	13.876	2022	2027	2031	rBV4	6988	13745	1.39%	0.135%
66	13.947	2033	2039	2043	rVV	75236	123595	12.47%	1.218%
67	13.994	2043	2047	2051	rVV	94948	162183	16.36%	1.598%
68	14.035	2051	2054	2062	rVB3	30589	58663	5.92%	0.578%
69	14.111	2062	2067	2074	rVB3	32606	53314	5.38%	0.525%
70	14.329	2098	2104	2109	rVB2	31558	48782	4.92%	0.481%
71	14.394	2109	2115	2118	rBV	25792	45300	4.57%	0.446%
72	14.441	2118	2123	2129	rVB2	126233	218428	22.03%	2.152%
73	14.511	2129	2135	2137	rBV5	14407	26526	2.68%	0.261%
74	14.576	2143	2146	2150	rVB2	11322	16963	1.71%	0.167%
75	14.653	2150	2159	2165	rVB2	70374	134283	13.55%	1.323%
76	14.729	2168	2172	2176	rBV	14257	21874	2.21%	0.215%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Title : SW846 8260

77	14.770	2176	2179	2187	rVV3	12634	22373	2.26%	0.220%
78	14.876	2187	2197	2201	rVV3	30585	63955	6.45%	0.630%
79	14.929	2201	2206	2216	rVV2	67729	135934	13.71%	1.339%
80	15.047	2217	2226	2233	rVV2	40102	96625	9.75%	0.952%
81	15.117	2233	2238	2250	rVB5	14219	31255	3.15%	0.308%
82	15.317	2260	2272	2276	rBV2	40266	86479	8.72%	0.852%
83	15.429	2285	2291	2301	rVB3	47313	118948	12.00%	1.172%
84	15.594	2312	2319	2328	rVB4	10585	23659	2.39%	0.233%
85	15.694	2330	2336	2342	rBV4	13734	32021	3.23%	0.315%
86	15.747	2342	2345	2348	rBV4	9496	14798	1.49%	0.146%
87	15.941	2369	2378	2386	rBV2	24502	53265	5.37%	0.525%
88	16.117	2402	2408	2422	rVV5	11336	37498	3.78%	0.369%
89	16.252	2425	2431	2437	rBV3	10796	23901	2.41%	0.235%
90	16.329	2437	2444	2456	rVB6	9085	31199	3.15%	0.307%

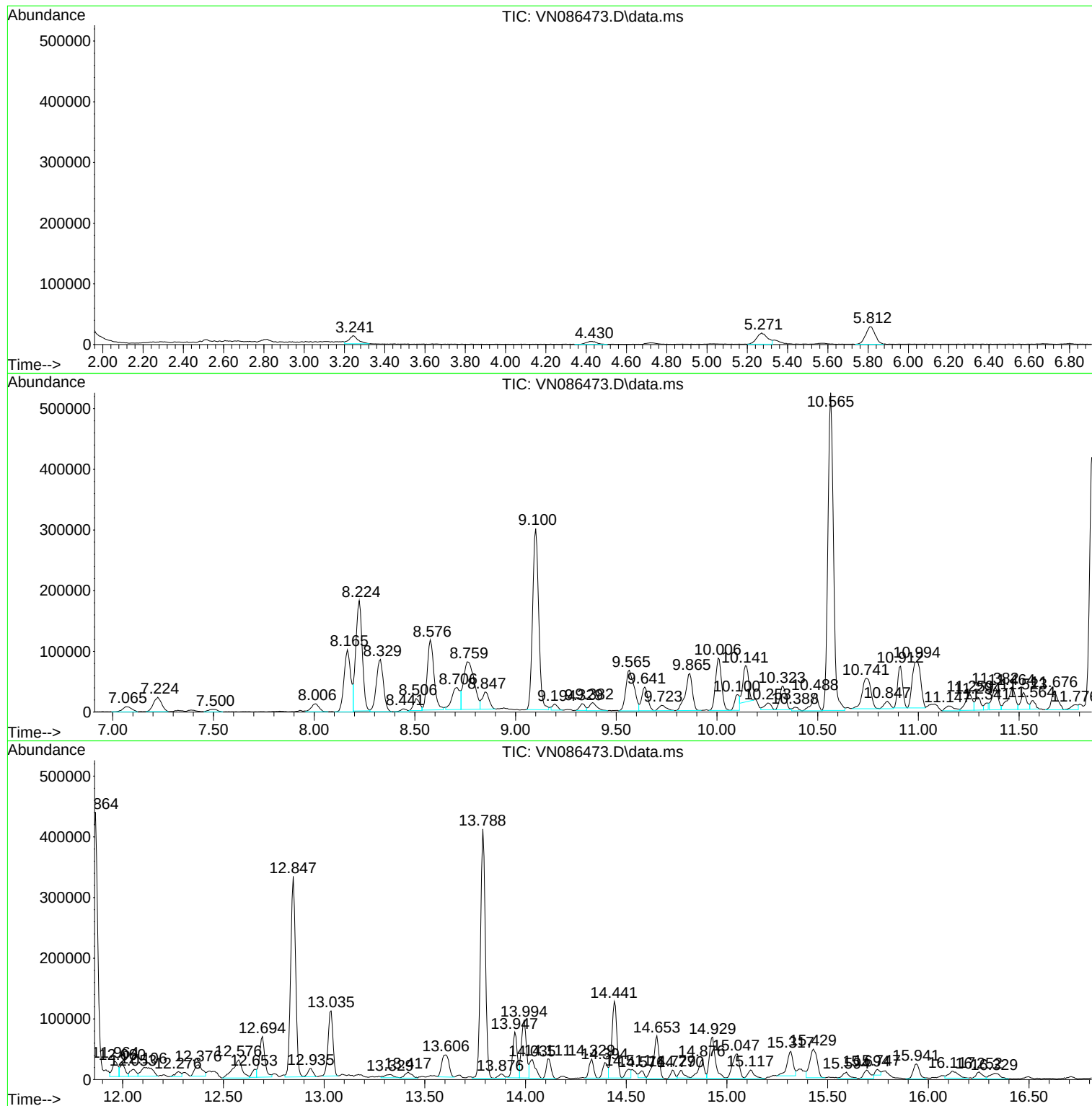
Sum of corrected areas: 10150531

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

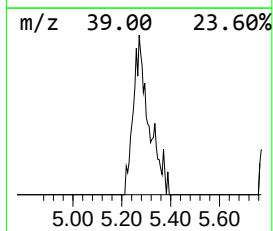
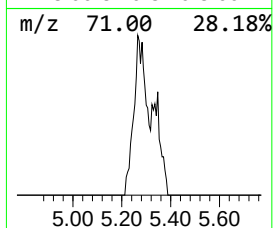
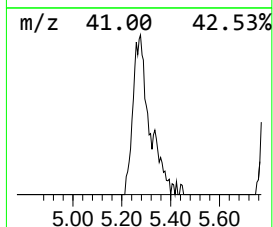
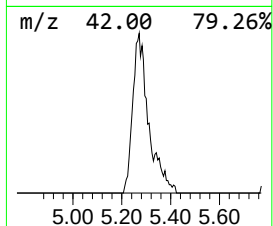
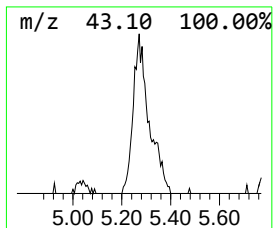
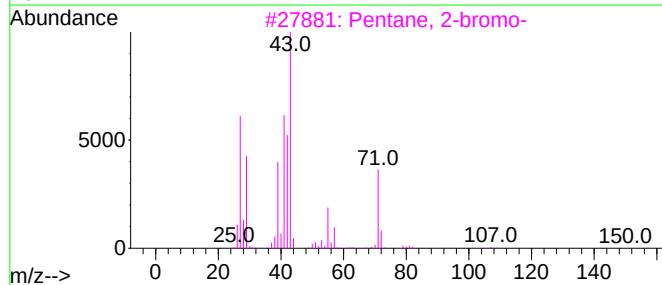
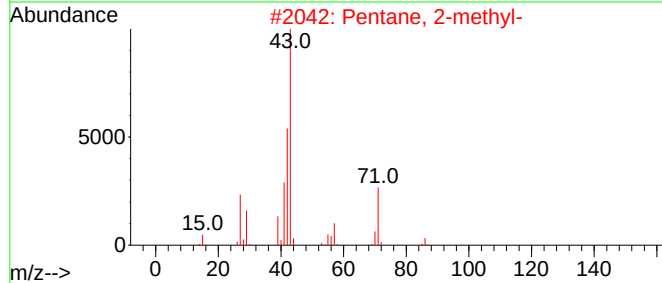
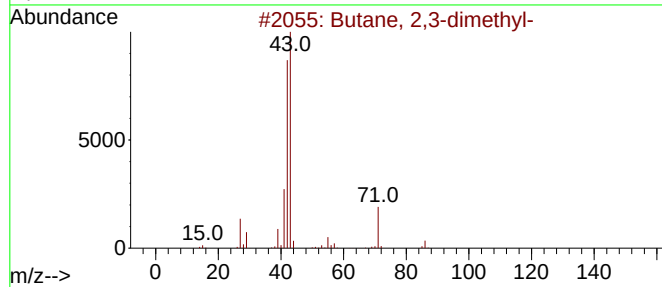
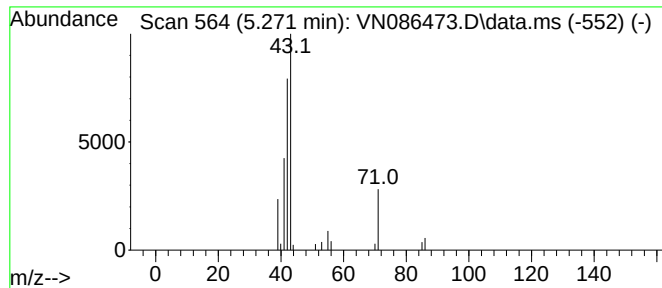
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

Peak Number 1 Butane, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.271	8.91 ug/l	70337	Pentafluorobenzene	8.224

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
2			Pentane, 2-methyl-	86	C6H14	000107-83-5	83
3			Pentane, 2-bromo-	150	C5H11Br	000107-81-3	9
4			2H-Pyran-2-one, tetrahydro-3,6-d...	128	C7H12O2	003720-22-7	9
5			Cyanoic acid, ethyl ester	71	C3H5NO	000627-48-5	5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

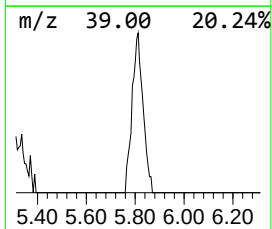
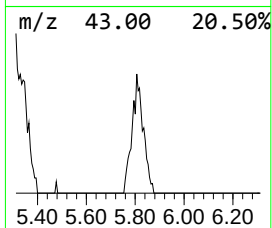
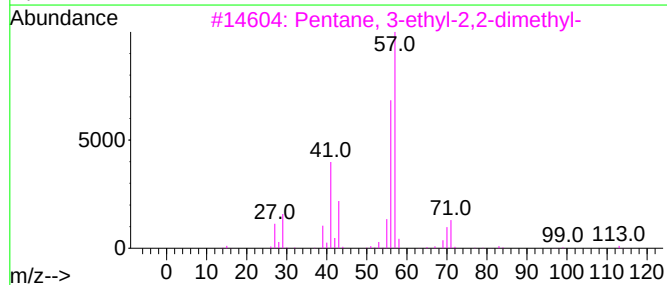
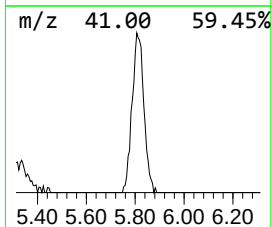
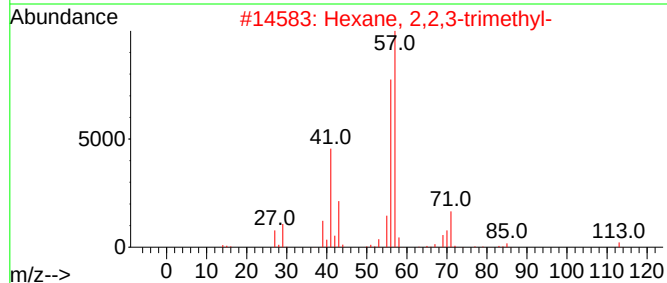
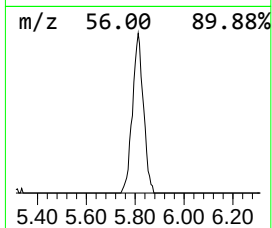
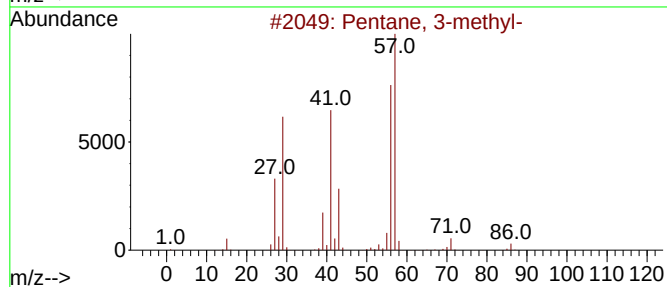
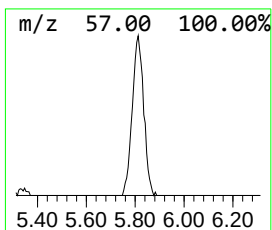
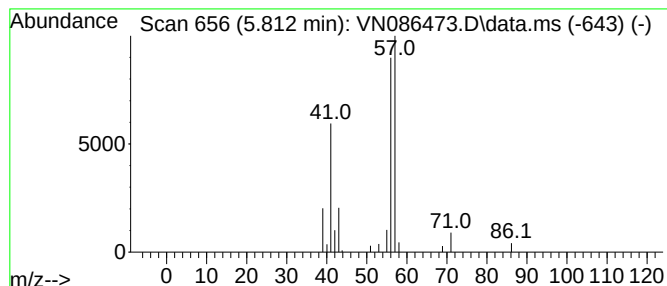
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Quant Title : SW846 8260

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

Peak Number 2 Pentane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.812	12.01 ug/l	94761	Pentafluorobenzene	8.224

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-methyl-	86	C6H14	000096-14-0	90
2			Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	83
3			Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	43
4			Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	39
5			Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	39



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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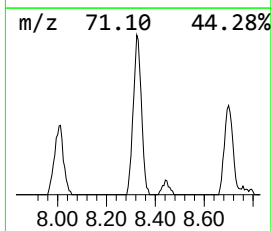
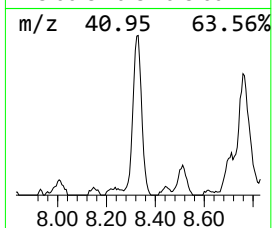
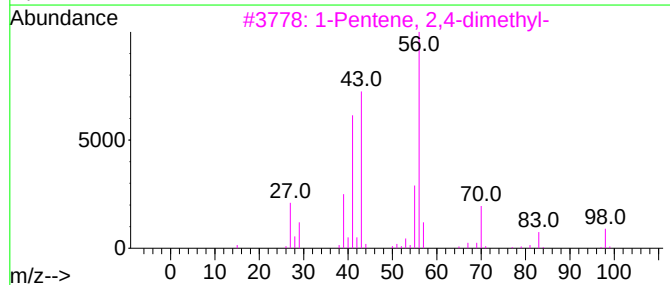
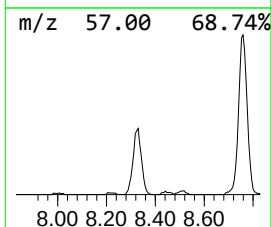
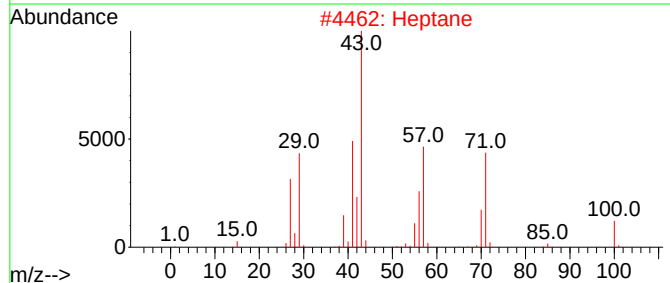
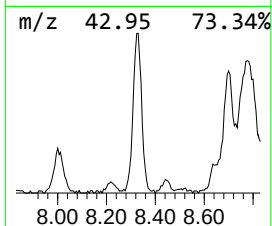
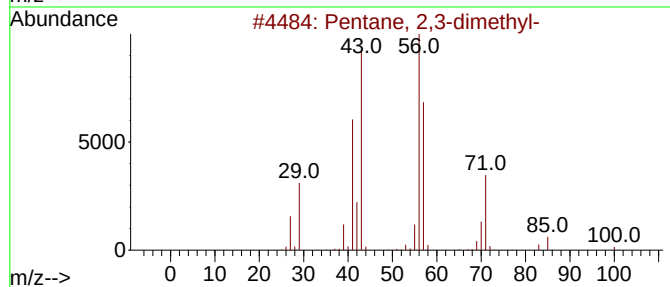
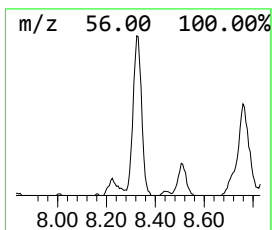
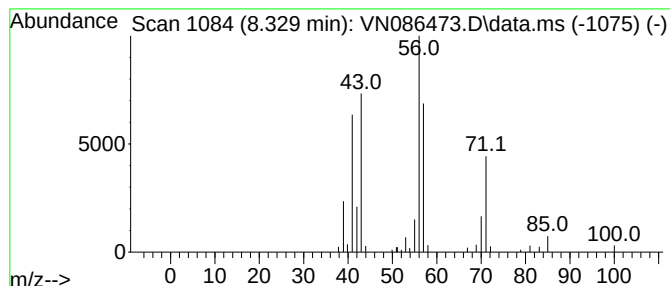
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Quant Title : SW846 8260

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

Peak Number 3 Pentane, 2,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.329	26.50 ug/l	209116	Pentafluorobenzene	8.224

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2			Heptane	100	C7H16	000142-82-5	50
3			1-Pentene, 2,4-dimethyl-	98	C7H14	002213-32-3	50
4			Hexane, 3-methyl-	100	C7H16	000589-34-4	43
5			Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

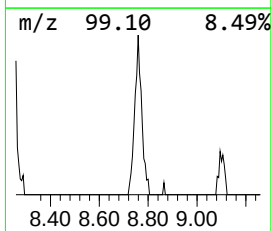
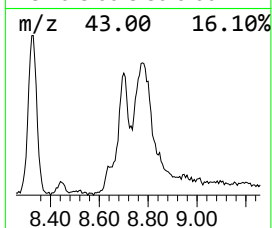
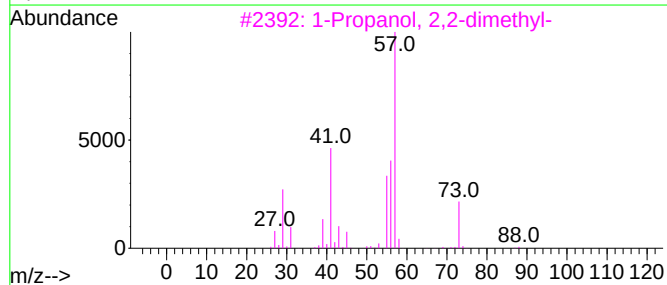
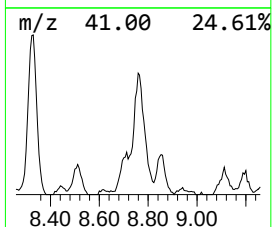
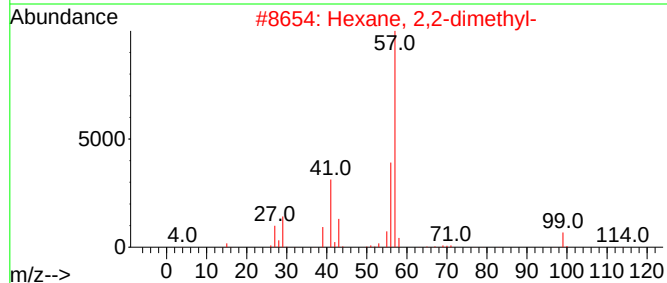
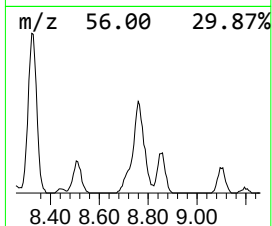
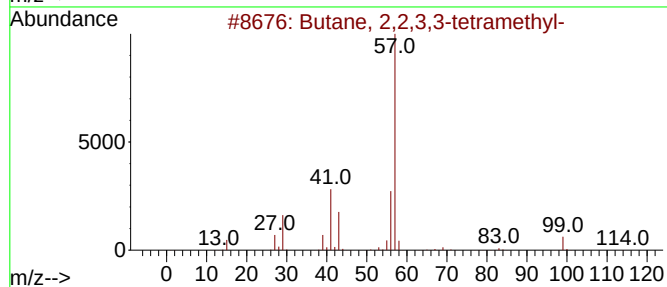
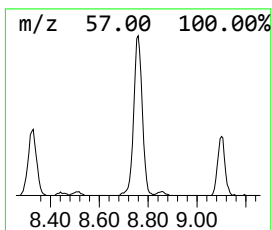
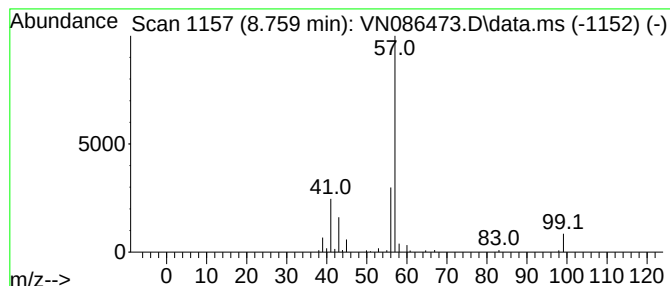
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Quant Title : SW846 8260

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

Peak Number 4 Butane, 2,2,3,3-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.759	22.64 ug/l	283568	1,4-Difluorobenzene	9.100

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	64
2			Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64
3			1-Propanol, 2,2-dimethyl-	88	C5H12O	000075-84-3	64
4			Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	64
5			Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

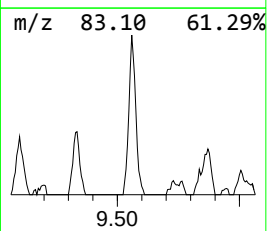
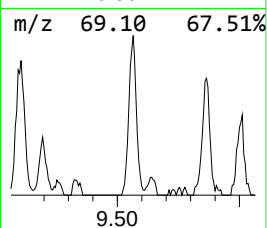
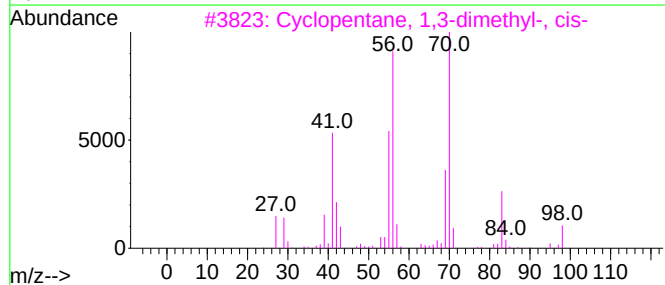
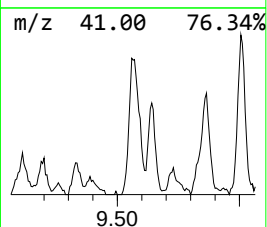
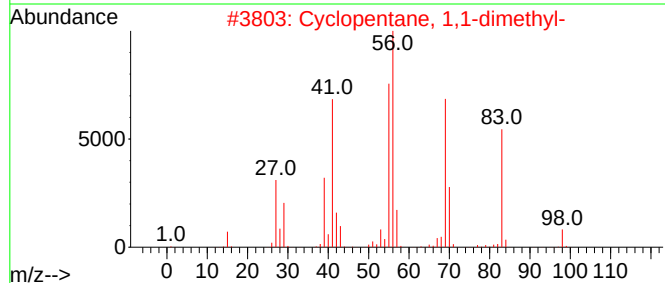
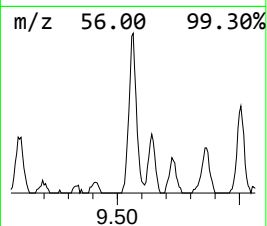
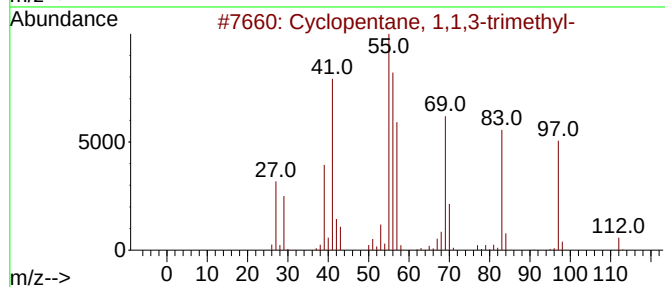
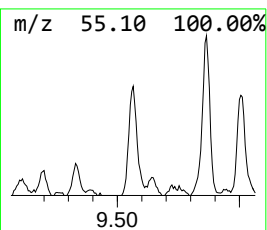
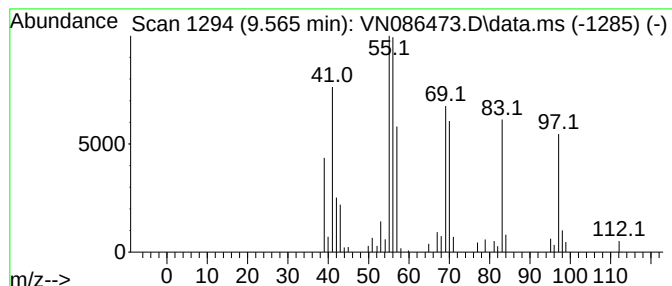
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Quant Title : SW846 8260

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

Peak Number 5 Cyclopentane, 1,1,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.565	15.33 ug/l	192055	1,4-Difluorobenzene	9.100

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	93
2			Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	53
3			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	46
4			Isopropylcyclobutane	98	C7H14	000872-56-0	46
5			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

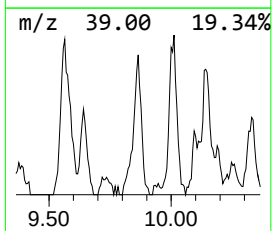
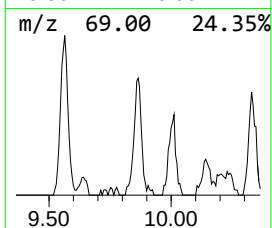
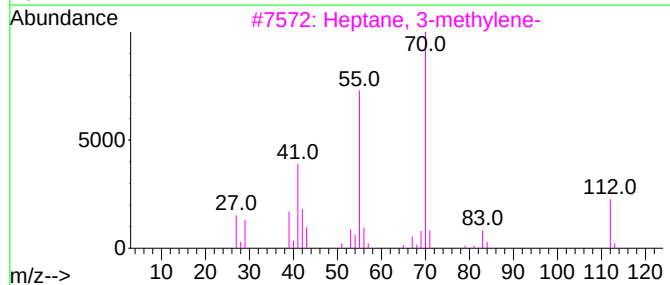
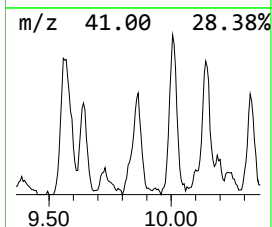
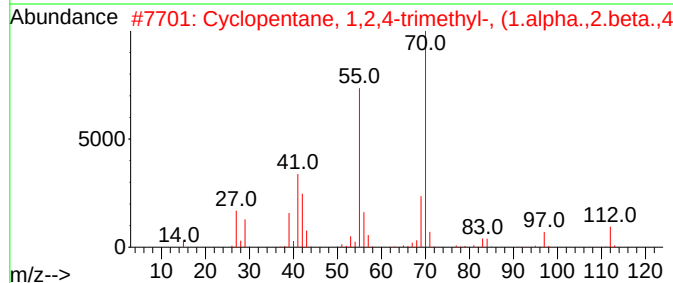
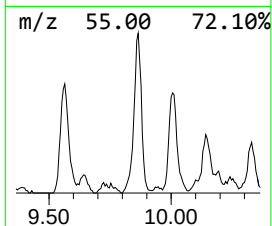
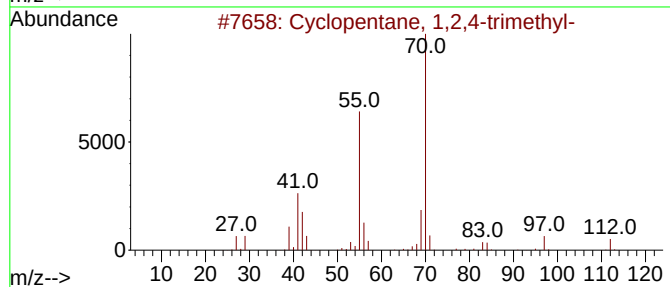
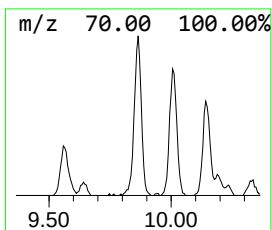
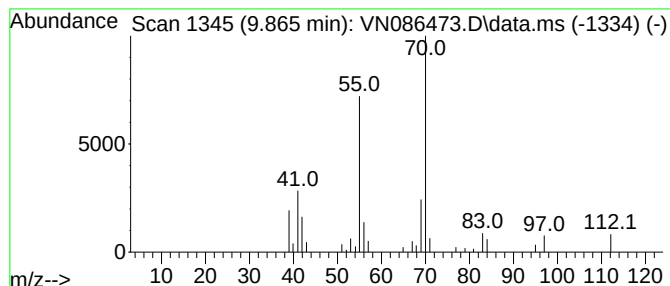
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Quant Title : SW846 8260

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

Peak Number 6 Cyclopentane, 1,2,4-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.865	11.81 ug/l	147909	1,4-Difluorobenzene	9.100

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
2			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	90
3			Heptane, 3-methylene-	112	C8H16	001632-16-2	78
4			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	72
5			2-Heptene, 3-methyl-	112	C8H16	003404-75-9	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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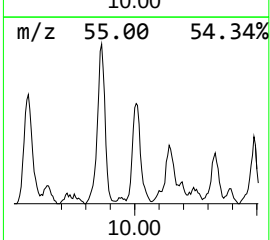
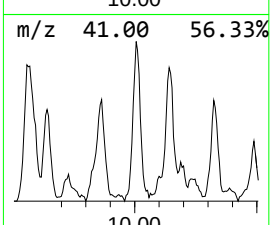
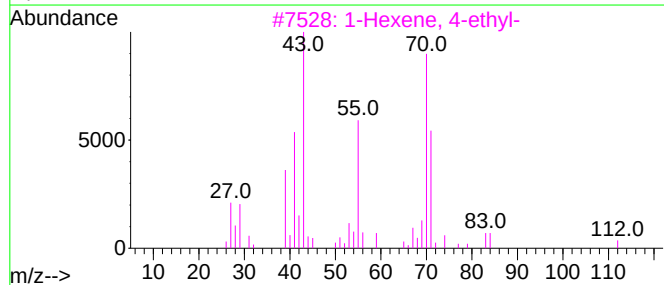
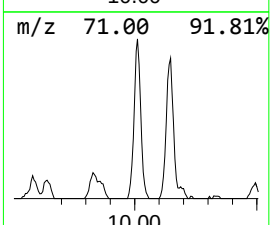
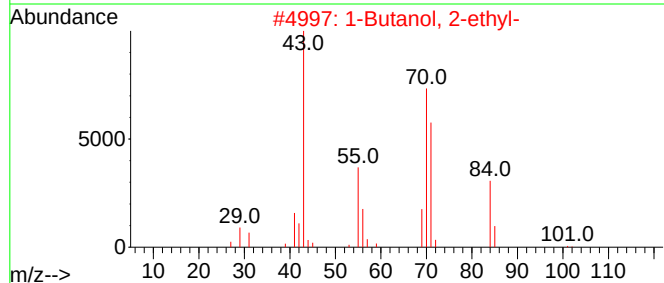
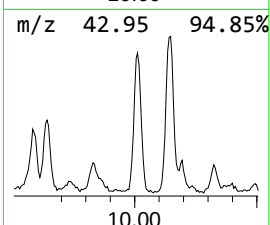
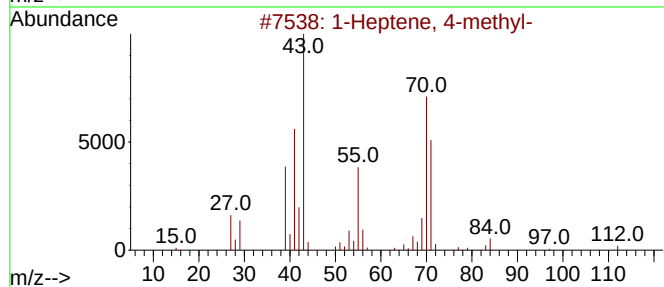
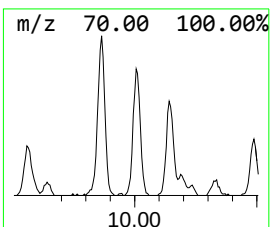
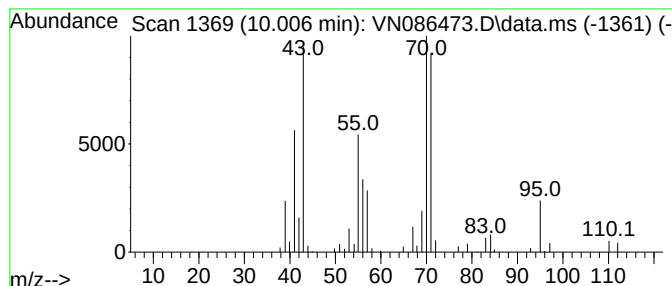
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Quant Title : SW846 8260

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

Peak Number 7 1-Heptene, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.006	14.43 ug/l	180748	1,4-Difluorobenzene	9.100

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Heptene, 4-methyl-	112	C8H16	013151-05-8	72
2			1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	50
3			1-Hexene, 4-ethyl-	112	C8H16	016746-85-3	49
4			2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	47
5			1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

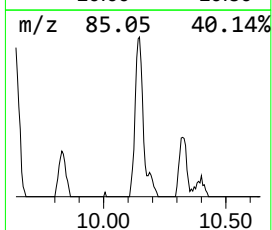
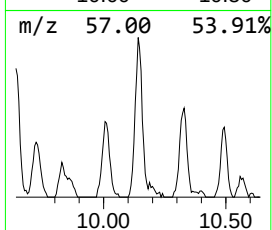
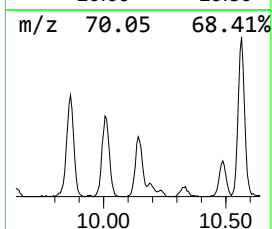
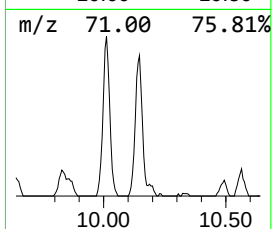
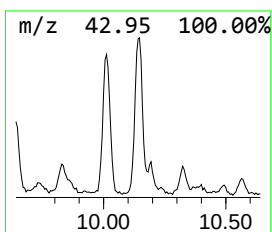
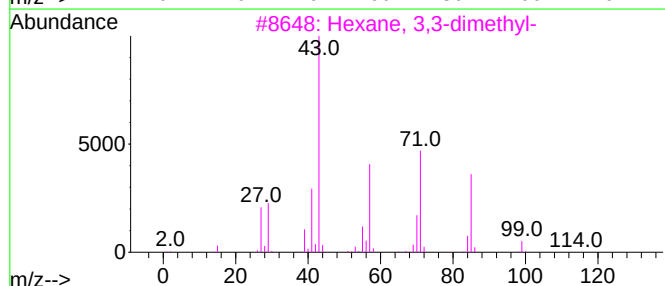
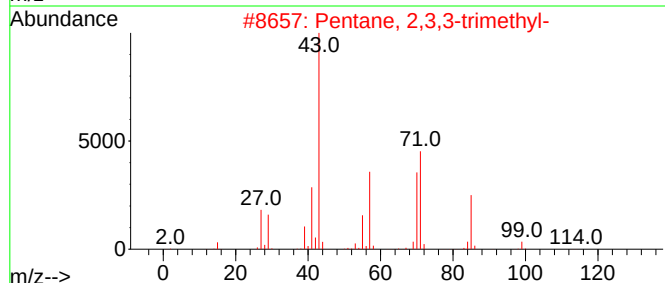
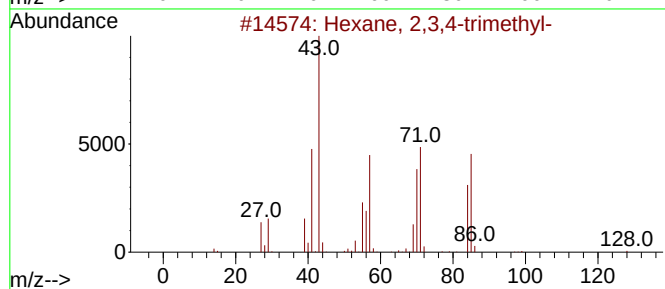
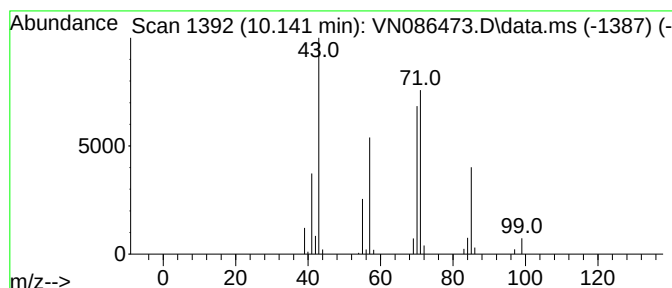
Instrument :
MSVOA_N
ClientSampleId :
MW-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

Peak Number 8 Hexane, 2,3,4-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.141	9.21 ug/l	115368	1,4-Difluorobenzene	9.100	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	83
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	78
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	72
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53
5	Hexadecane	226	C16H34	000544-76-3	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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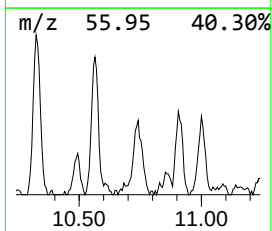
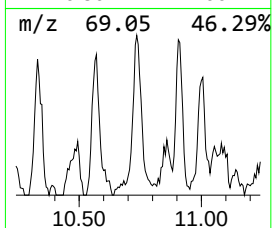
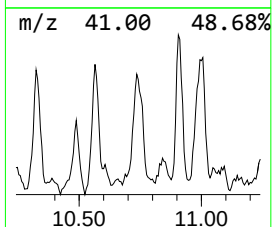
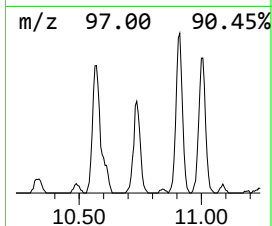
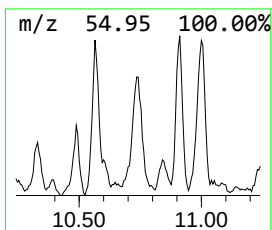
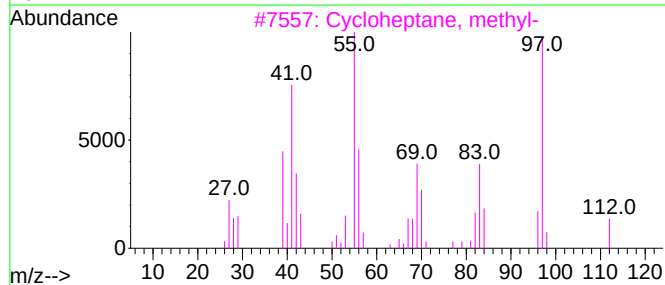
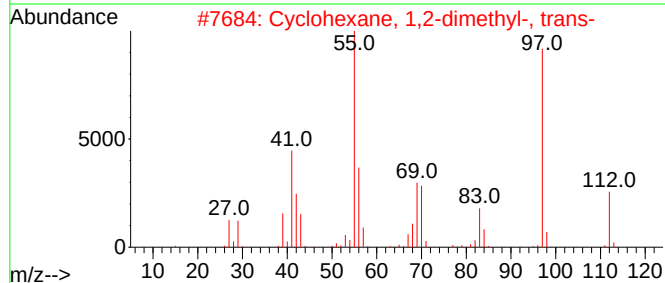
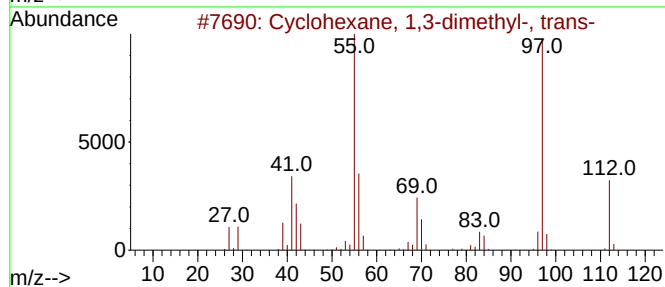
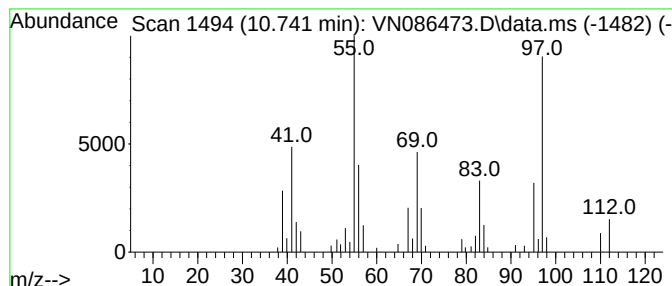
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Quant Title : SW846 8260

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

Peak Number 9 Cyclohexane, 1,3-dimethyl-,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.741	10.07 ug/l	151111	Chlorobenzene-d5	11.865

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	74
2		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	64
3		Cycloheptane, methyl-	112	C8H16	004126-78-7	64
4		Cyclohexane, 1,2-dimethyl-, (cis/...	112	C8H16	000583-57-3	58
5		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
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ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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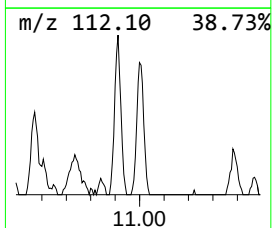
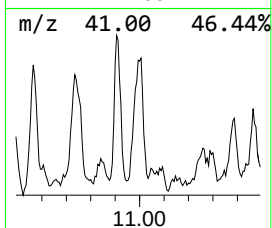
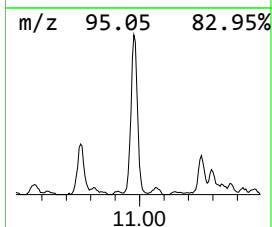
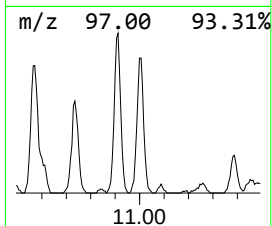
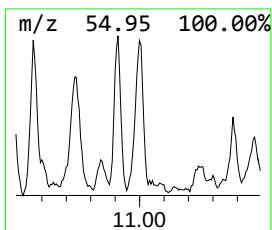
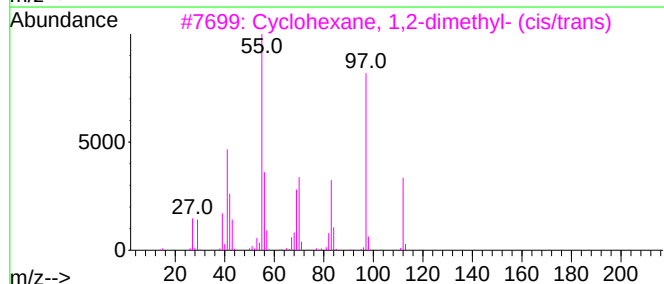
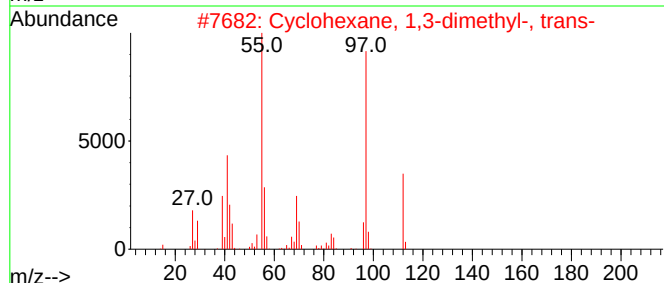
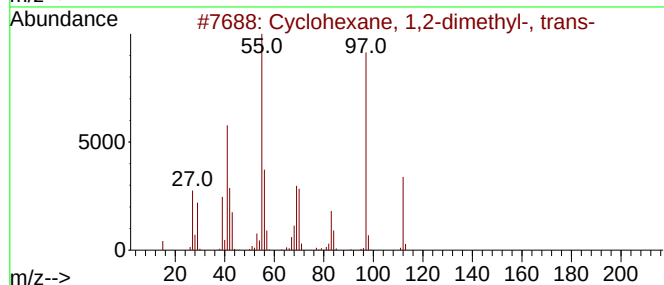
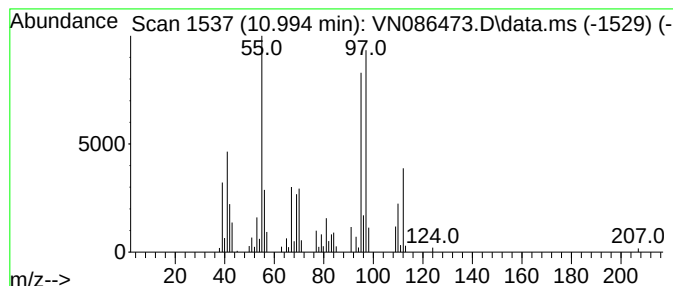
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Quant Title : SW846 8260

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

Peak Number 10 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.994	14.88 ug/l	223305	Chlorobenzene-d5	11.865

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	64
2		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	55
3		Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	55
4		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	55
5		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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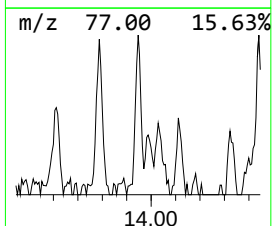
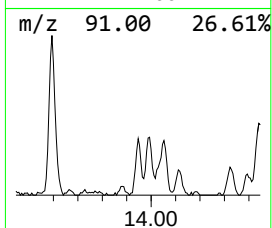
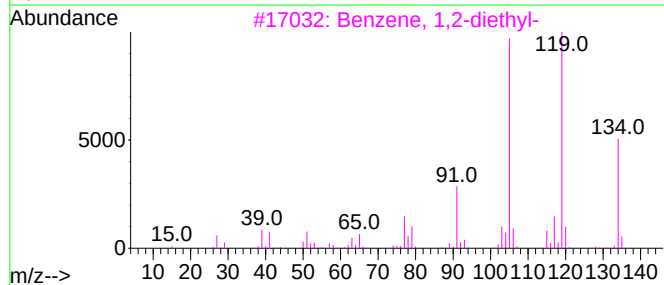
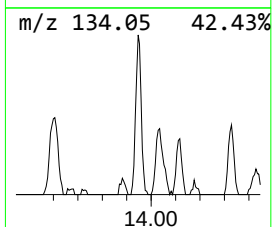
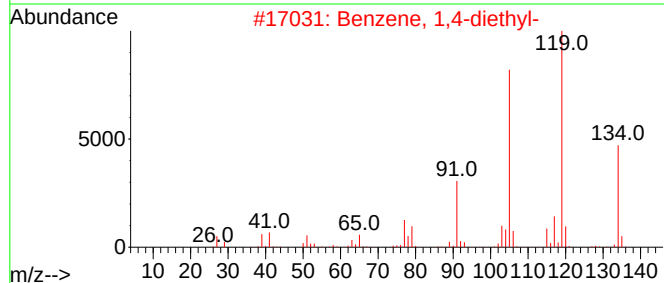
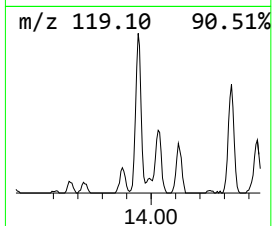
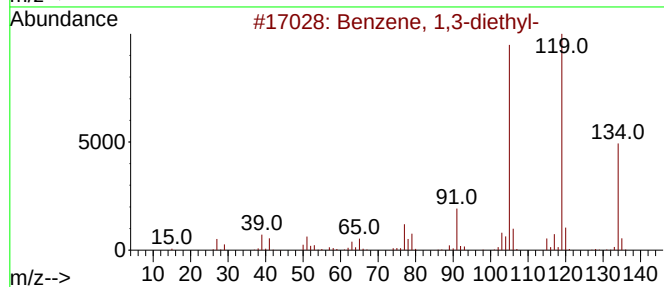
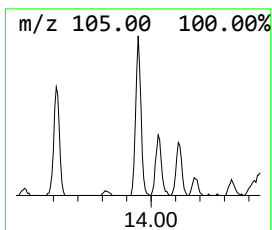
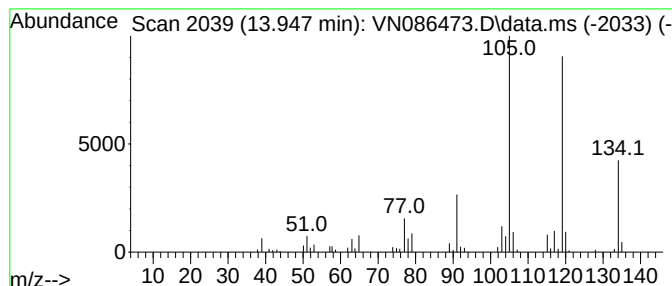
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Quant Title : SW846 8260

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

Peak Number 11 Benzene, 1,3-diethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.947	9.01 ug/l	123595	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
3			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	92
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5			o-Cymene	134	C10H14	000527-84-4	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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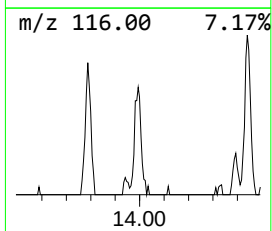
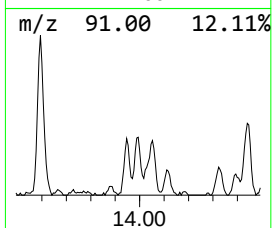
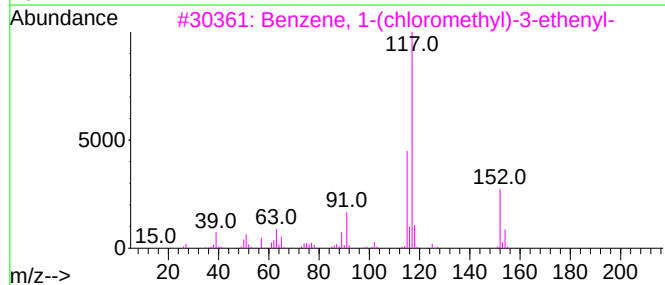
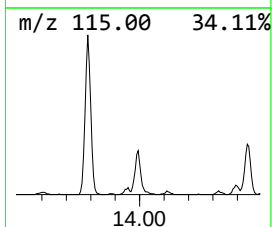
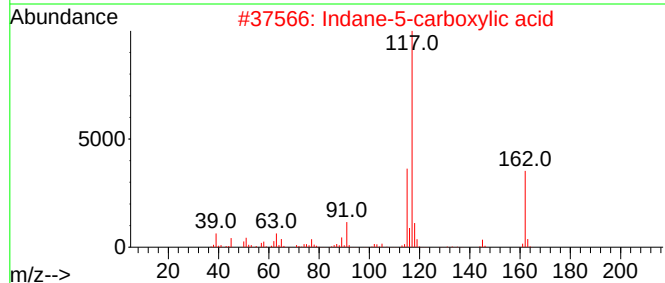
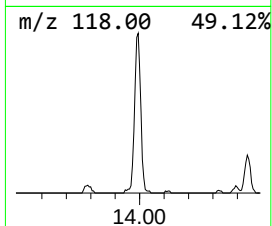
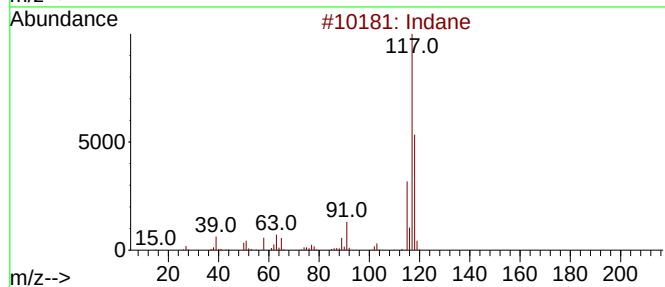
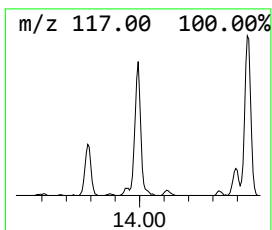
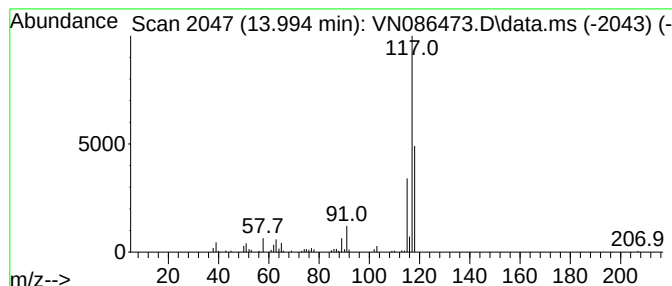
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Quant Title : SW846 8260

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

Peak Number 12 Indane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.994	11.82 ug/l	162183	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indane	118	C9H10	000496-11-7	94
2			Indane-5-carboxylic acid	162	C10H10O2	065898-38-6	59
3			Benzene, 1-(chloromethyl)-3-ethe...	152	C9H9Cl	039833-65-3	59
4			Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	59
5			Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
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ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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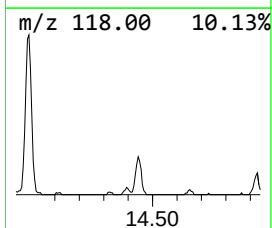
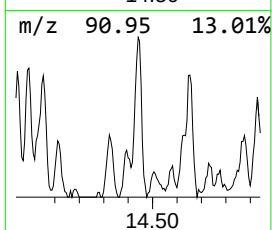
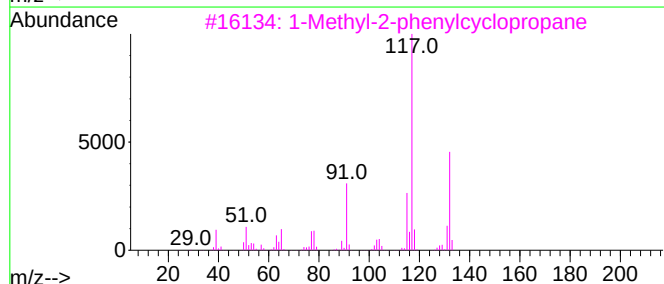
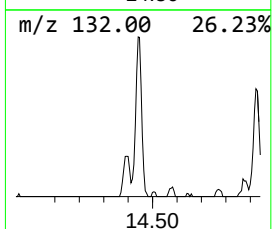
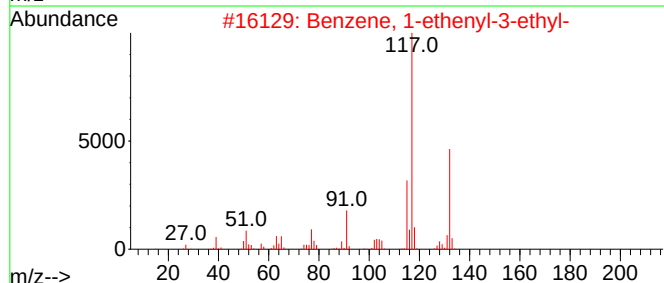
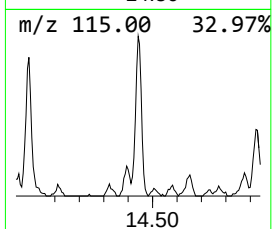
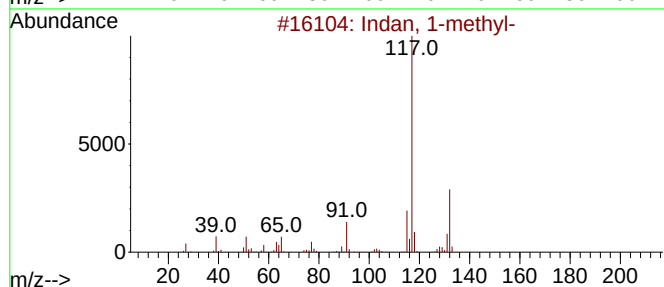
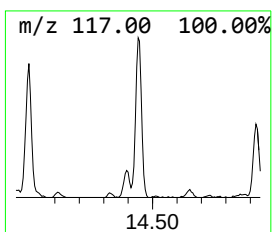
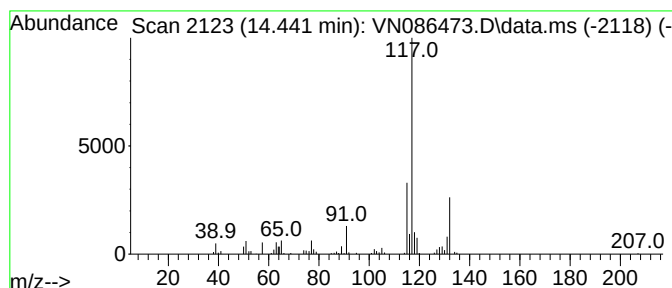
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Quant Title : SW846 8260

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

Peak Number 13 Indan, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.441	15.92 ug/l	218428	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indan, 1-methyl-	132	C10H12	000767-58-8	90
2			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
3			1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	83
4			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	80
5			Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
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ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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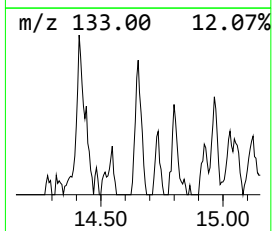
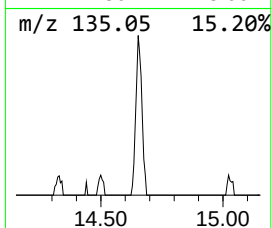
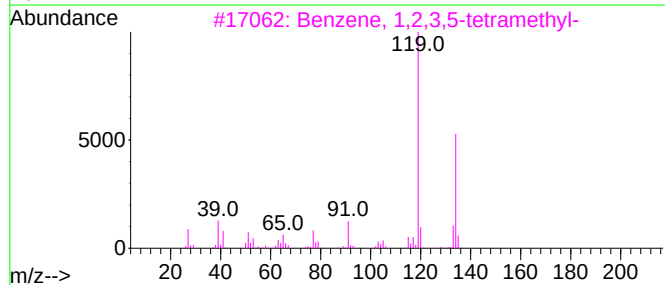
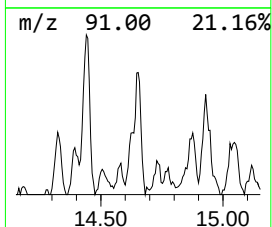
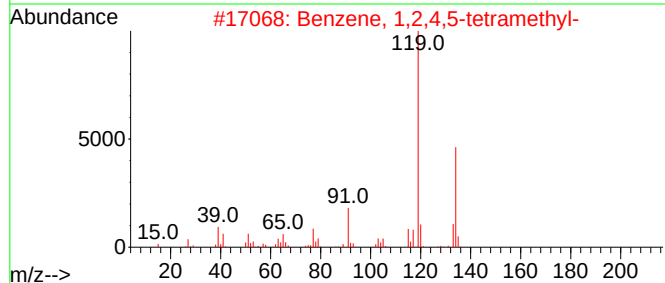
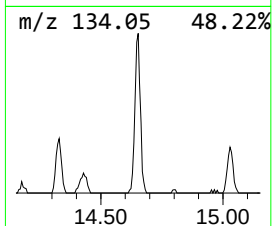
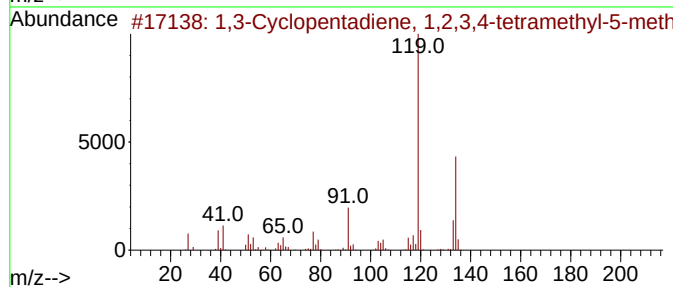
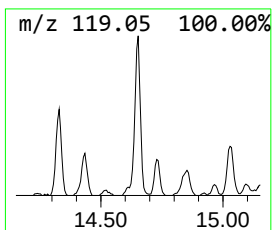
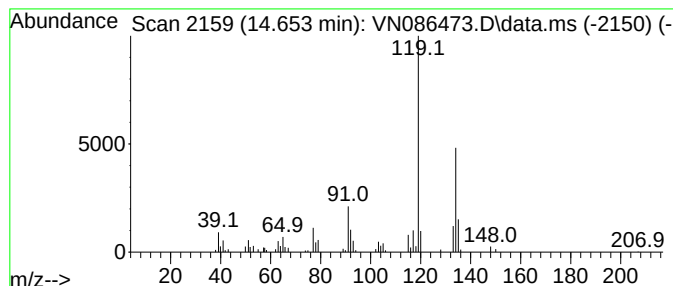
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Quant Title : SW846 8260

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

Peak Number 14 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.653	9.79 ug/l	134283	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
2			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
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ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MW-1

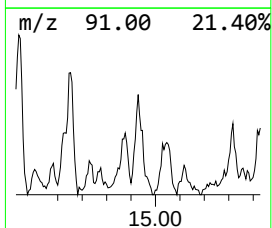
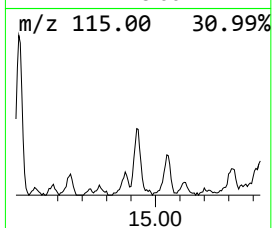
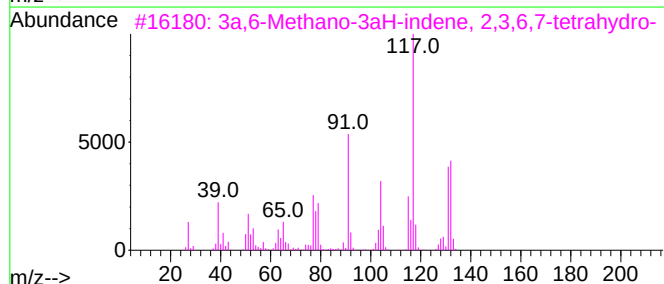
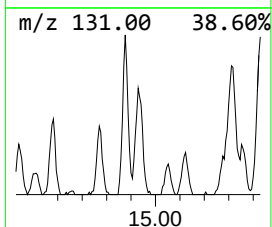
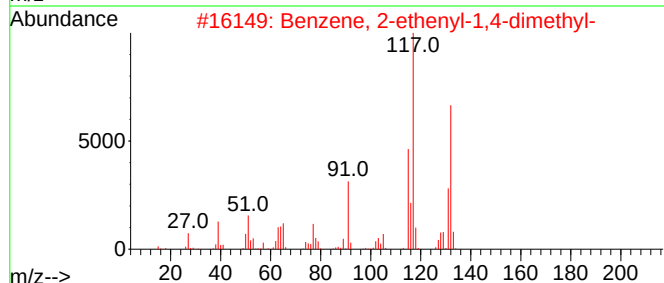
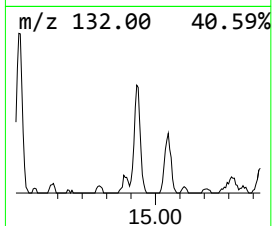
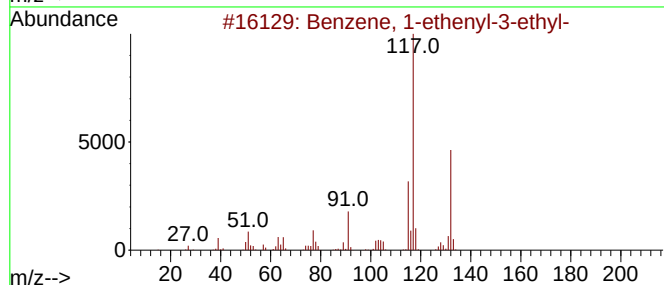
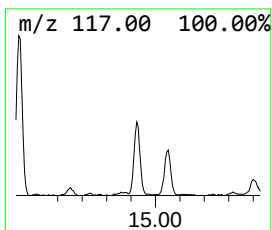
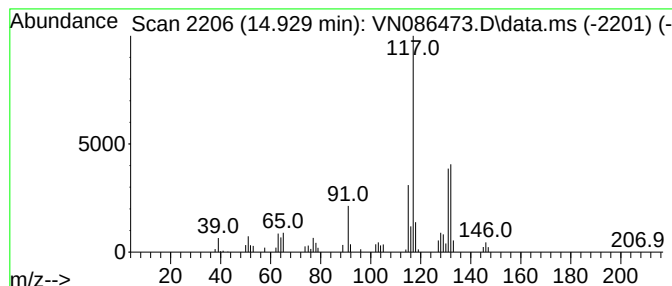
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

Peak Number 15 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.929	9.91 ug/l	135934	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	93
2			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
3			3a,6-Methano-3aH-indene, 2,3,6,7...	132	C10H12	098640-29-0	90
4			Cyclopropane, 1-methyl-1-phenyl-	132	C10H12	002214-14-4	87
5			3-Phenylbut-1-ene	132	C10H12	000934-10-1	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2,3-dim...	5.271	8.9	ug/l	70337	1	8.224	394568	50.0
Pentane, 3-methyl-	5.812	12.0	ug/l	94761	1	8.224	394568	50.0
Pentane, 2,3-di...	8.329	26.5	ug/l	209116	1	8.224	394568	50.0
Butane, 2,2,3,3...	8.759	22.6	ug/l	283568	2	9.100	626293	50.0
Cyclopentane, 1...	9.565	15.3	ug/l	192055	2	9.100	626293	50.0
Cyclopentane, 1...	9.865	11.8	ug/l	147909	2	9.100	626293	50.0
1-Heptene, 4-me...	10.006	14.4	ug/l	180748	2	9.100	626293	50.0
Hexane, 2,3,4-t...	10.141	9.2	ug/l	115368	2	9.100	626293	50.0
Cyclohexane, 1,...	10.741	10.1	ug/l	151111	3	11.865	750427	50.0
Cyclohexane, 1,...	10.994	14.9	ug/l	223305	3	11.865	750427	50.0
Benzene, 1,3-di...	13.947	9.0	ug/l	123595	4	13.788	686138	50.0
Indane	13.994	11.8	ug/l	162183	4	13.788	686138	50.0
Indan, 1-methyl-	14.441	15.9	ug/l	218428	4	13.788	686138	50.0
1,3-Cyclopentad...	14.653	9.8	ug/l	134283	4	13.788	686138	50.0
Benzene, 1-ethe...	14.929	9.9	ug/l	135934	4	13.788	686138	50.0

Report of Analysis

Client:	G Environmental	Date Collected:	04/30/25
Project:	Dover	Date Received:	05/01/25
Client Sample ID:	MW-2	SDG No.:	Q1940
Lab Sample ID:	Q1940-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOCMS Group1

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086474.D	1		05/02/25 19:31	VN050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-65-0	Tert butyl alcohol	5.50	U	5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L

Report of Analysis

Client:	G Environmental	Date Collected:	04/30/25
Project:	Dover	Date Received:	05/01/25
Client Sample ID:	MW-2	SDG No.:	Q1940
Lab Sample ID:	Q1940-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086474.D	1		05/02/25 19:31	VN050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.9		74 - 125	98%	SPK: 50
1868-53-7	Dibromofluoromethane	60.1		75 - 124	120%	SPK: 50
2037-26-5	Toluene-d8	51.7		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		77 - 121	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	152000	8.224			
540-36-3	1,4-Difluorobenzene	288000	9.1			
3114-55-4	Chlorobenzene-d5	274000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	114000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
 Data File : VN086474.D
 Acq On : 02 May 2025 19:31
 Operator : JC\MD
 Sample : Q1940-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Quant Time: May 02 23:18:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

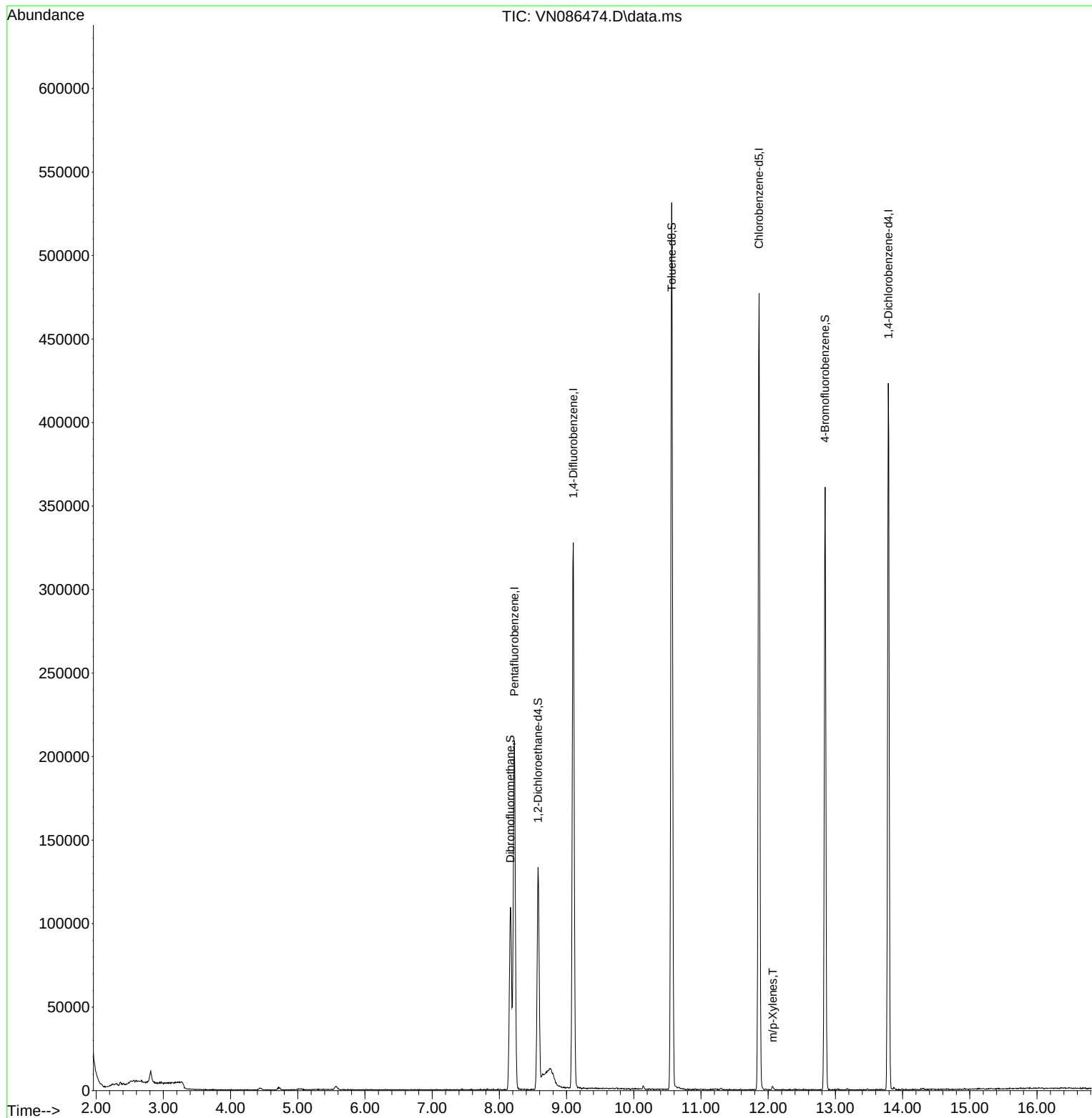
Internal Standards						
1) Pentafluorobenzene	8.224	168	151630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	288383	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	274301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	107467	48.876	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.760%
35) Dibromofluoromethane	8.165	113	80434	60.096	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	120.200%
50) Toluene-d8	10.565	98	369568	51.665	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.320%
62) 4-Bromofluorobenzene	12.847	95	127316	48.798	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.600%
Target Compounds						
68) m/p-Xylenes	12.070	106	874	0.211	ug/l	96

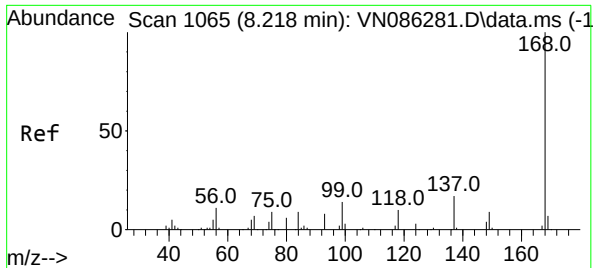
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086474.D
Acq On : 02 May 2025 19:31
Operator : JC\MD
Sample : Q1940-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-2

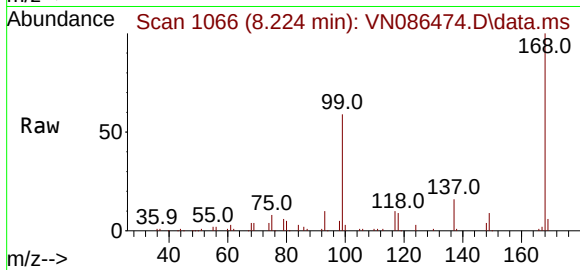
Quant Time: May 02 23:18:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



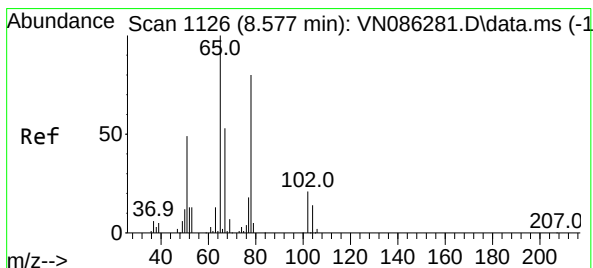
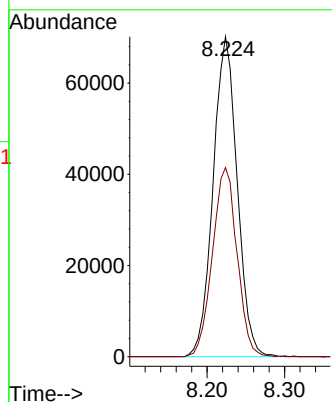
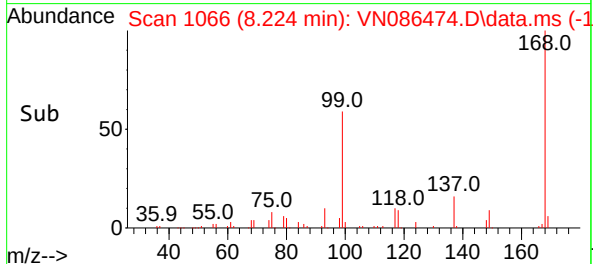


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086474.D
Acq: 02 May 2025 19:31

Instrument :
MSVOA_N
ClientSampleId :
MW-2

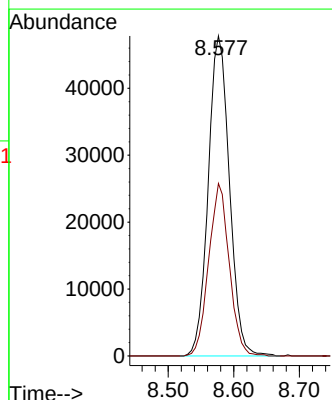
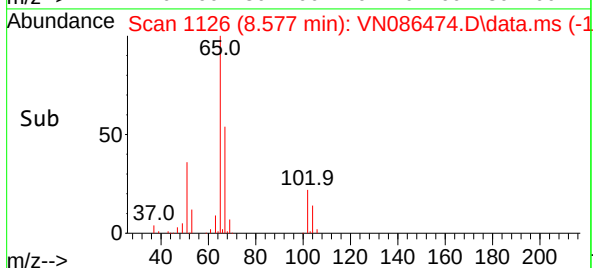
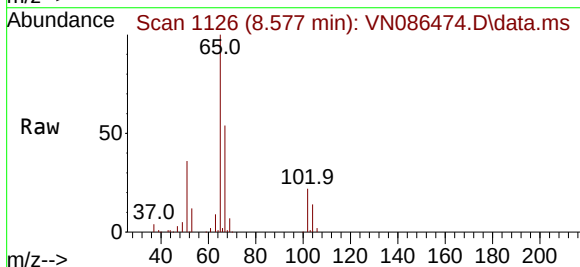


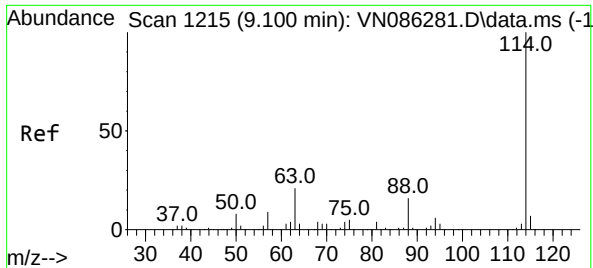
Tgt Ion:168 Resp: 151630
Ion Ratio Lower Upper
168 100
99 59.1 52.5 78.7



#33
1,2-Dichloroethane-d4
Concen: 48.876 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086474.D
Acq: 02 May 2025 19:31

Tgt Ion: 65 Resp: 107467
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086474.D

Acq: 02 May 2025 19:31

Instrument :

MSVOA_N

ClientSampleId :

MW-2

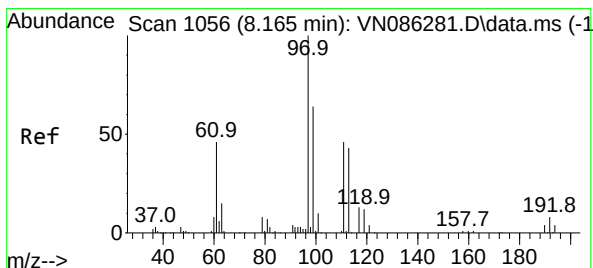
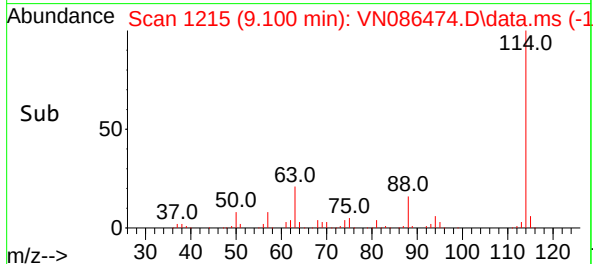
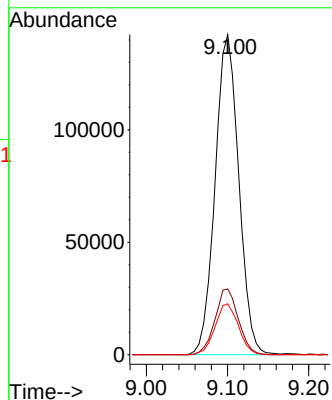
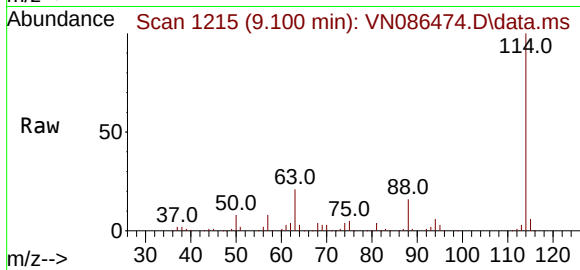
Tgt Ion:114 Resp: 288383

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.6

88 15.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 60.096 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086474.D

Acq: 02 May 2025 19:31

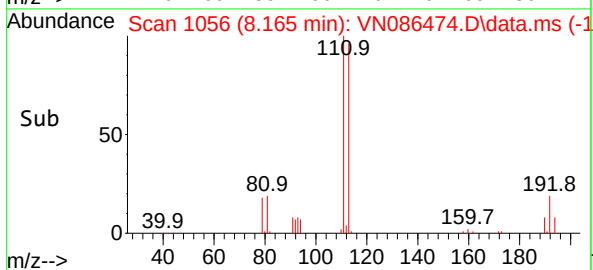
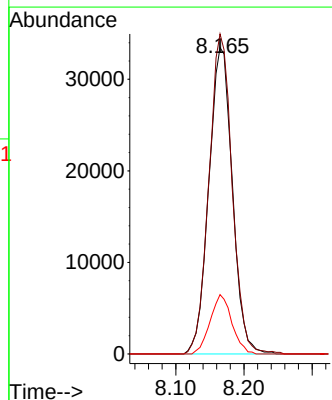
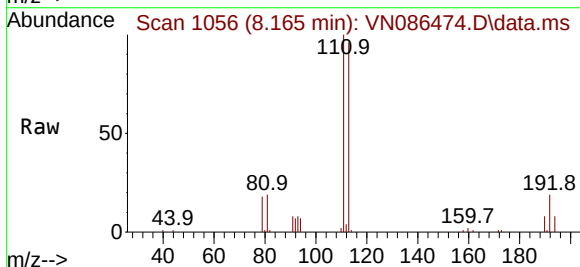
Tgt Ion:113 Resp: 80434

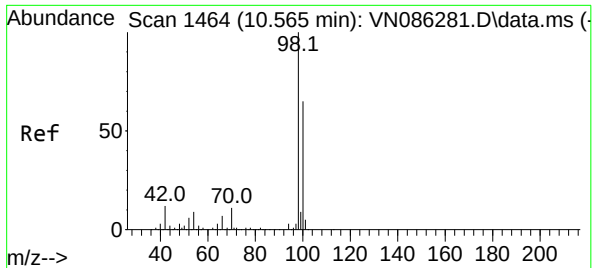
Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.0

192 17.9 13.7 20.5

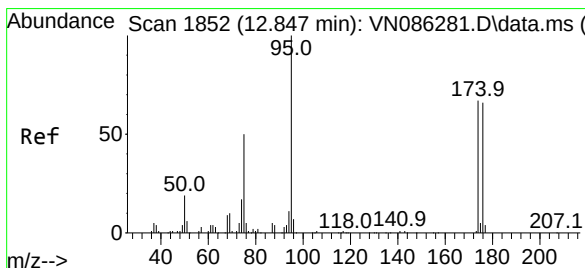
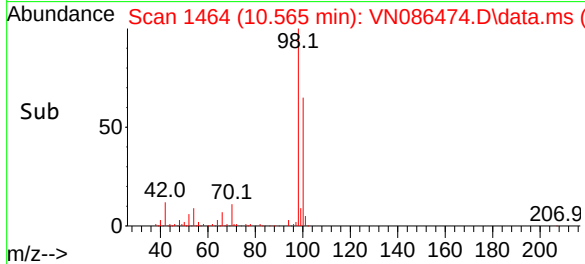
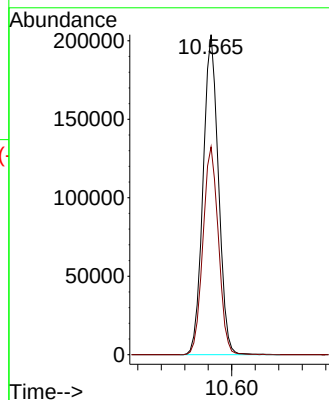
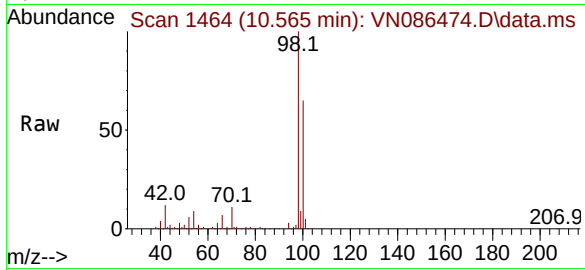




#50
Toluene-d8
Concen: 51.665 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086474.D
Acq: 02 May 2025 19:31

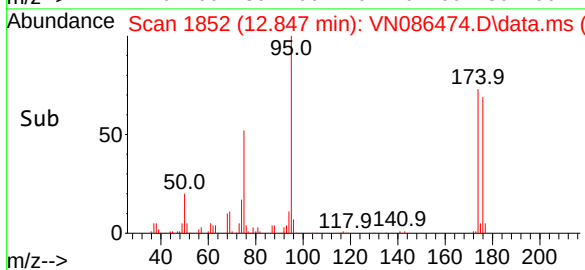
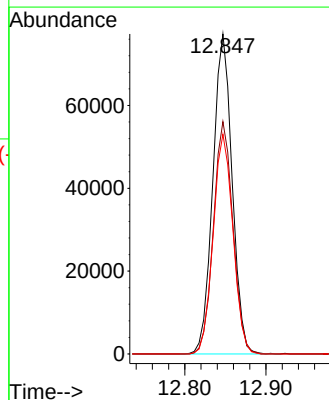
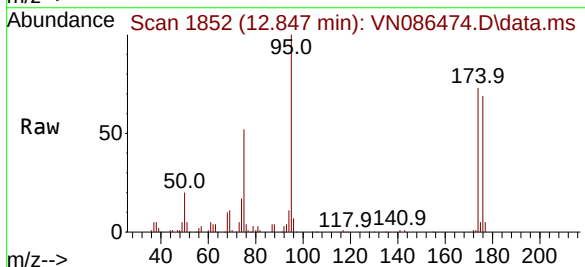
Instrument :
MSVOA_N
ClientSampleId :
MW-2

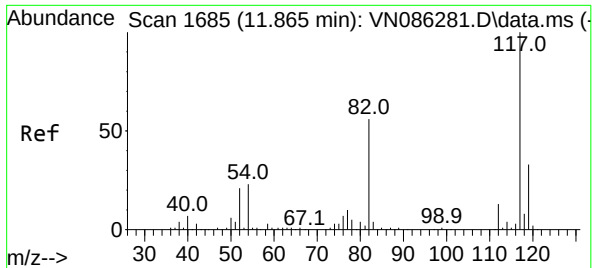
Tgt Ion: 98 Resp: 369568
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 48.798 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086474.D
Acq: 02 May 2025 19:31

Tgt Ion: 95 Resp: 127316
Ion Ratio Lower Upper
95 100
174 73.6 0.0 133.4
176 70.3 0.0 129.2

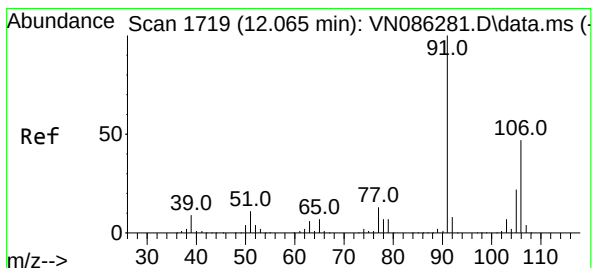
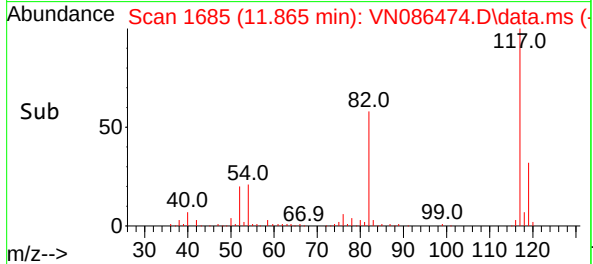
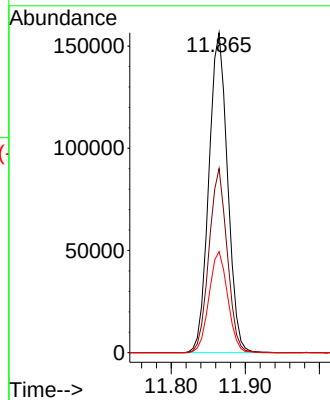
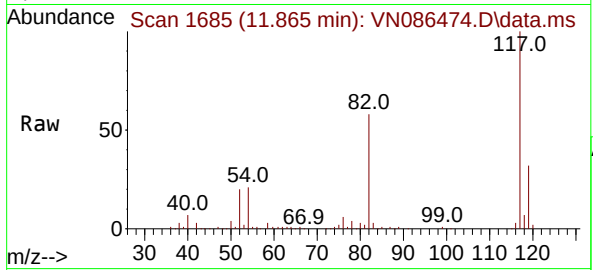




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086474.D
Acq: 02 May 2025 19:31

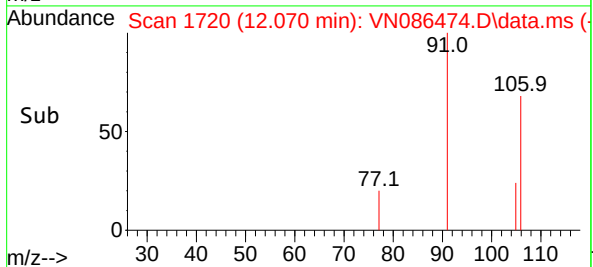
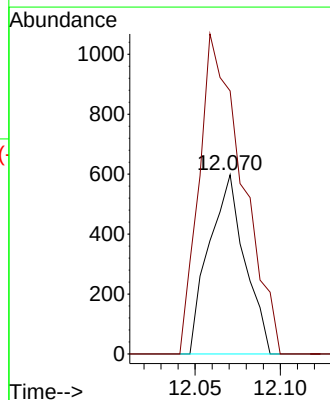
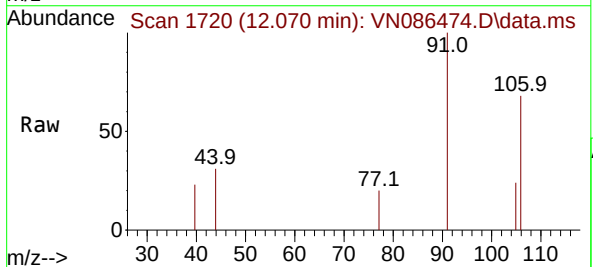
Instrument :
MSVOA_N
ClientSampleId :
MW-2

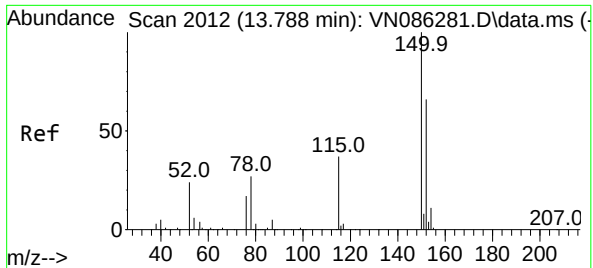
Tgt Ion:117 Resp: 274301
Ion Ratio Lower Upper
117 100
82 57.5 44.7 67.1
119 31.6 26.4 39.6



#68
m/p-Xylenes
Concen: 0.211 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN086474.D
Acq: 02 May 2025 19:31

Tgt Ion:106 Resp: 874
Ion Ratio Lower Upper
106 100
91 214.6 166.5 249.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN086474.D

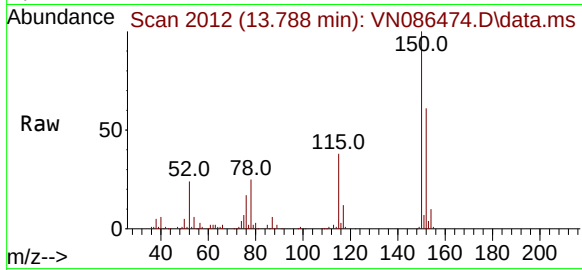
Acq: 02 May 2025 19:31

Instrument :

MSVOA_N

ClientSampleId :

MW-2



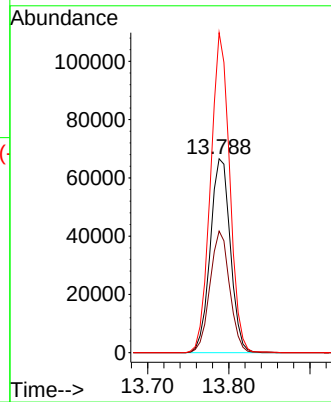
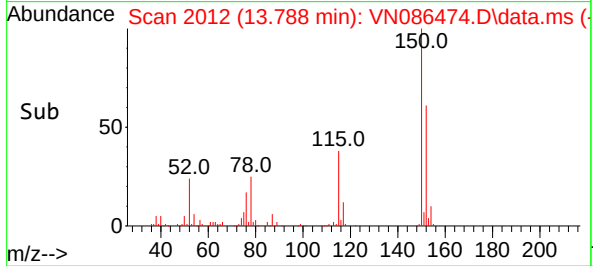
Tgt Ion:152 Resp: 114473

Ion Ratio Lower Upper

152 100

115 61.2 31.9 95.9

150 156.9 0.0 352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086474.D
Acq On : 02 May 2025 19:31
Operator : JC\MD
Sample : Q1940-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M

Title : SW846 8260

Signal : TIC: VN086474.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.812	140	146	155	rVB	7075	15386	1.59%	0.321%
2	8.165	1047	1056	1060	rBV	109263	250029	25.92%	5.224%
3	8.224	1060	1066	1078	rVB	208935	461012	47.78%	9.632%
4	8.577	1116	1126	1133	rBV	133331	294299	30.50%	6.149%
5	9.100	1206	1215	1226	rBV	326473	660182	68.43%	13.793%
6	10.565	1455	1464	1473	rBV	531017	964780	100.00%	20.157%
7	11.865	1676	1685	1698	rBV	476817	836361	86.69%	17.474%
8	12.847	1844	1852	1861	rVB	360952	599922	62.18%	12.534%
9	13.788	2003	2012	2020	rBV	423145	704421	73.01%	14.717%

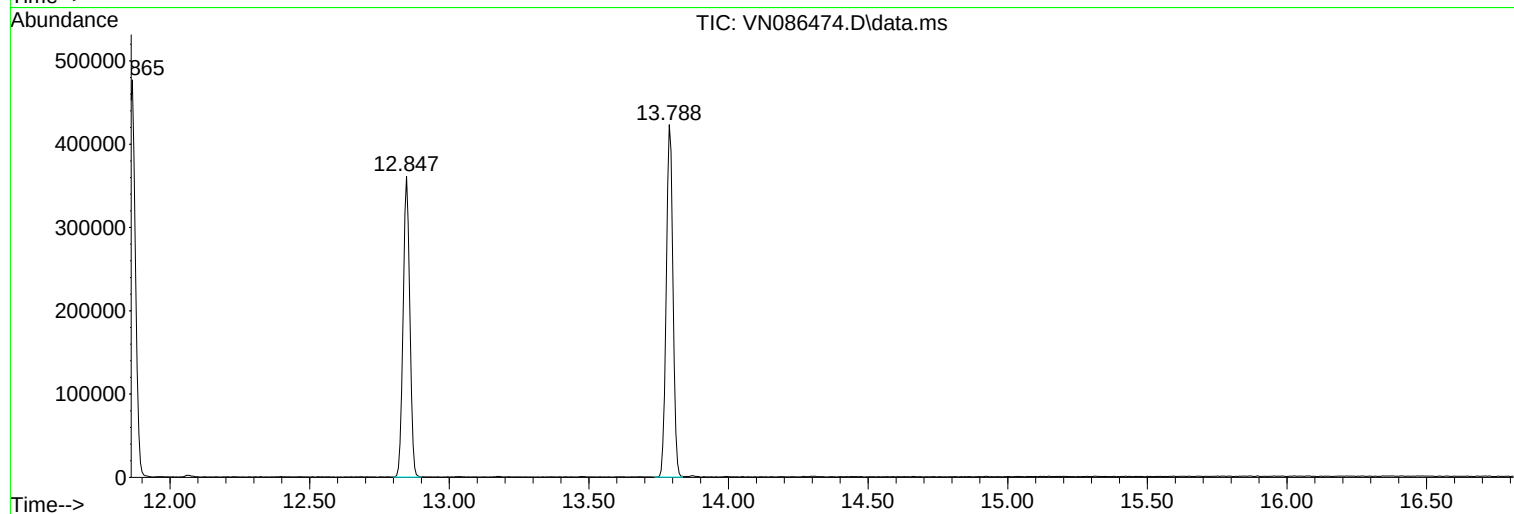
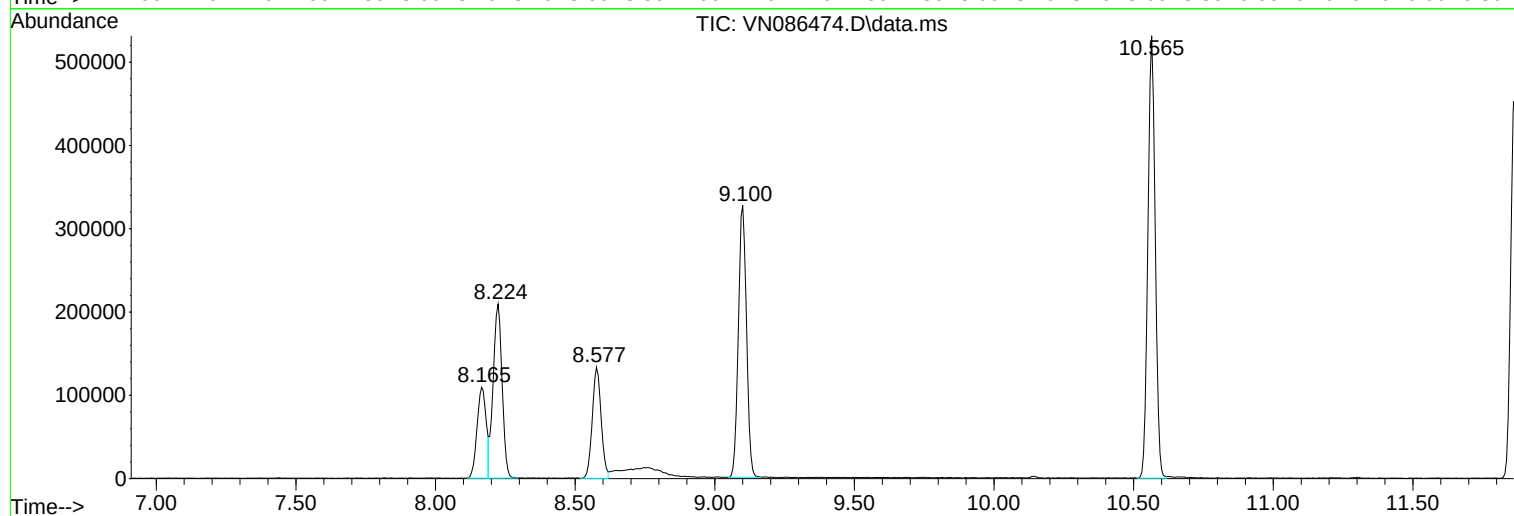
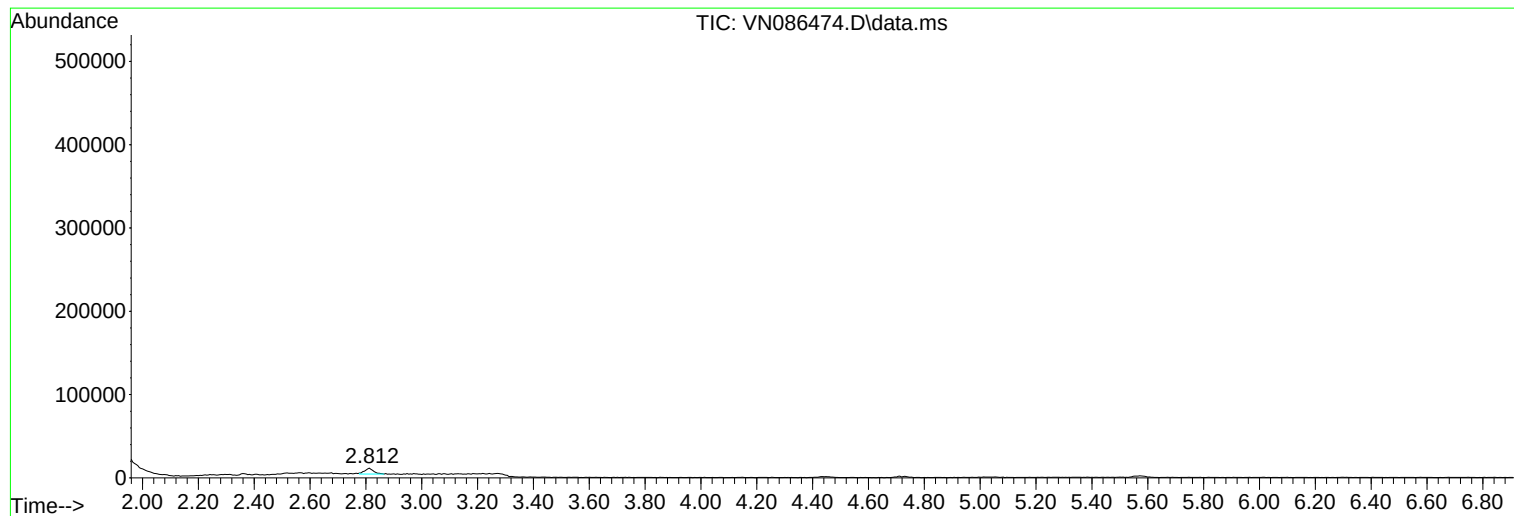
Sum of corrected areas: 4786392

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086474.D
Acq On : 02 May 2025 19:31
Operator : JC\MD
Sample : Q1940-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086474.D
Acq On : 02 May 2025 19:31
Operator : JC\MD
Sample : Q1940-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086474.D
Acq On : 02 May 2025 19:31
Operator : JC\MD
Sample : Q1940-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	G Environmental	Date Collected:	04/30/25
Project:	Dover	Date Received:	05/01/25
Client Sample ID:	MW-3	SDG No.:	Q1940
Lab Sample ID:	Q1940-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOCMS Group1

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086475.D	1		05/02/25 19:56	VN050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-65-0	Tert butyl alcohol	5.50	U	5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L

Report of Analysis

Client:	G Environmental	Date Collected:	04/30/25
Project:	Dover	Date Received:	05/01/25
Client Sample ID:	MW-3	SDG No.:	Q1940
Lab Sample ID:	Q1940-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOCMS Group1

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086475.D	1		05/02/25 19:56	VN050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.6		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	60.0		75 - 124	120%	SPK: 50
2037-26-5	Toluene-d8	51.4		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		77 - 121	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	141000	8.224			
540-36-3	1,4-Difluorobenzene	273000	9.1			
3114-55-4	Chlorobenzene-d5	264000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	115000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
 Data File : VN086475.D
 Acq On : 02 May 2025 19:56
 Operator : JC\MD
 Sample : Q1940-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Quant Time: May 02 23:18:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	141230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	272575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	263663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115290	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	101597	49.609	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.220%
35) Dibromofluoromethane	8.165	113	75911	60.006	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	120.020%
50) Toluene-d8	10.565	98	347241	51.359	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.720%
62) 4-Bromofluorobenzene	12.847	95	123073	49.907	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.820%

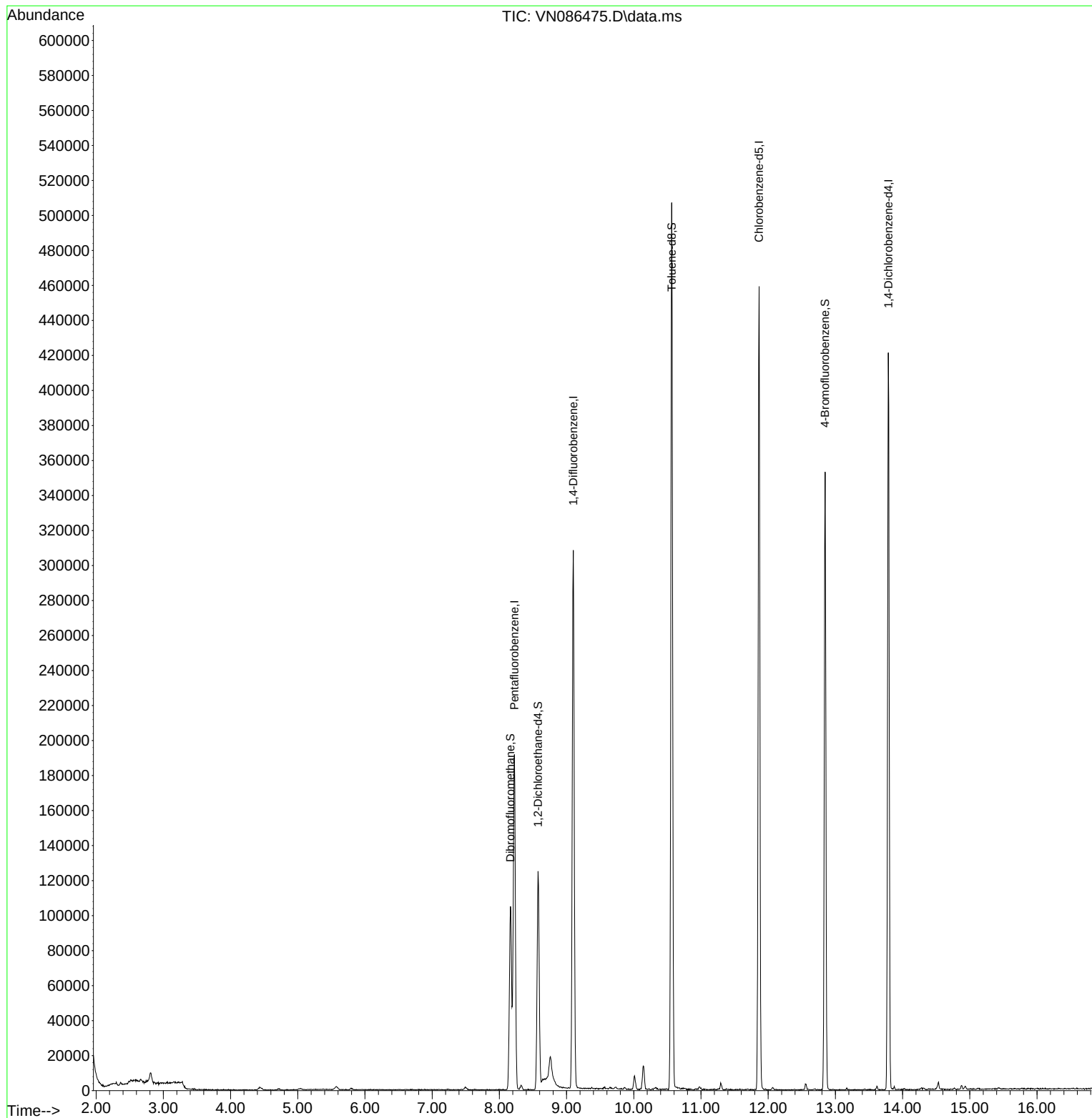
Target Compounds	Qvalue

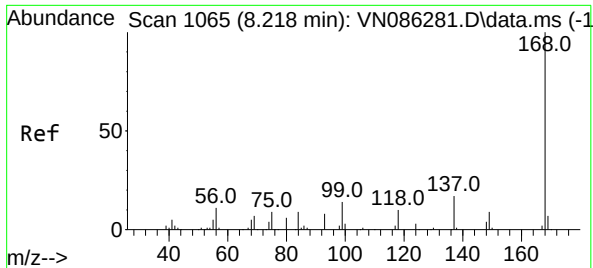
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086475.D
Acq On : 02 May 2025 19:56
Operator : JC\MD
Sample : Q1940-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Quant Time: May 02 23:18:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

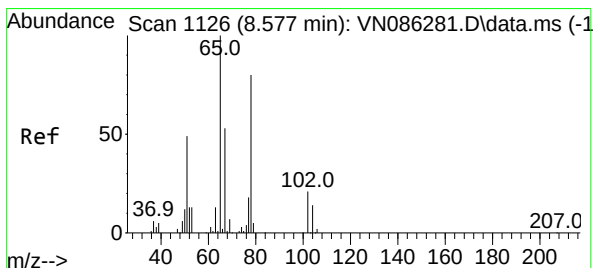
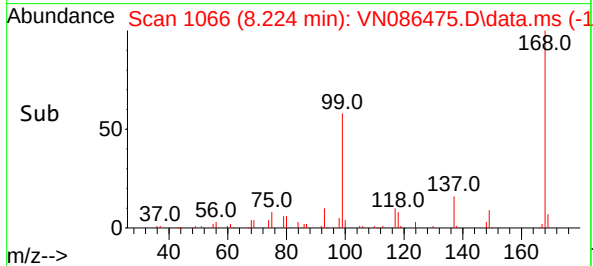
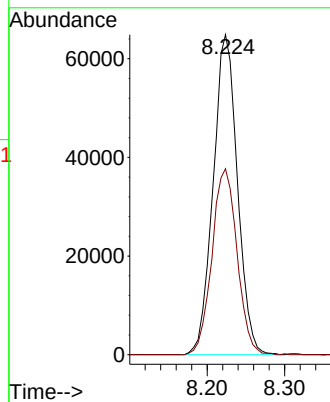
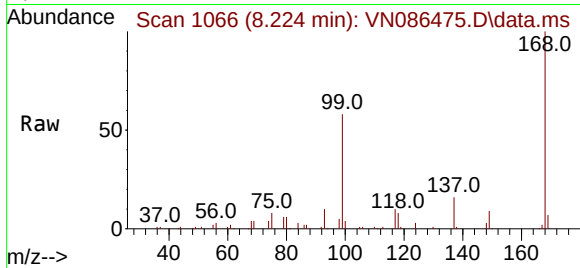




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086475.D
Acq: 02 May 2025 19:56

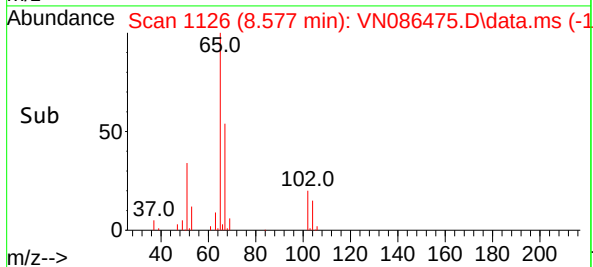
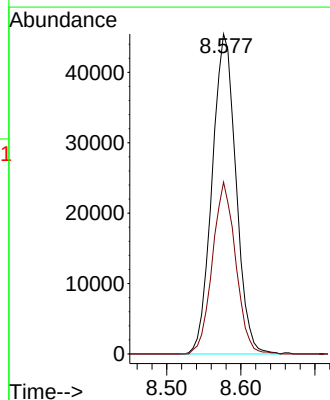
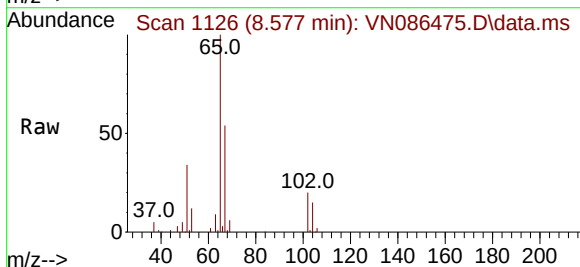
Instrument :
MSVOA_N
ClientSampleId :
MW-3

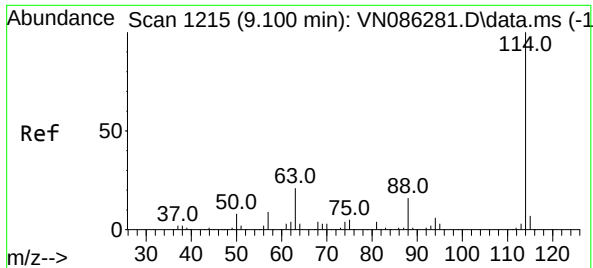
Tgt Ion:168 Resp: 141230
Ion Ratio Lower Upper
168 100
99 58.1 52.5 78.7



#33
1,2-Dichloroethane-d4
Concen: 49.609 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086475.D
Acq: 02 May 2025 19:56

Tgt Ion: 65 Resp: 101597
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086475.D

Acq: 02 May 2025 19:56

Instrument :

MSVOA_N

ClientSampleId :

MW-3

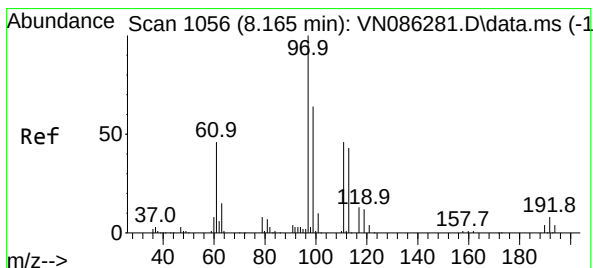
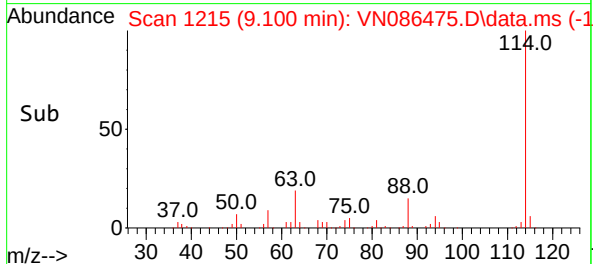
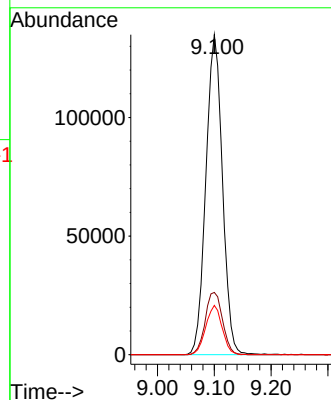
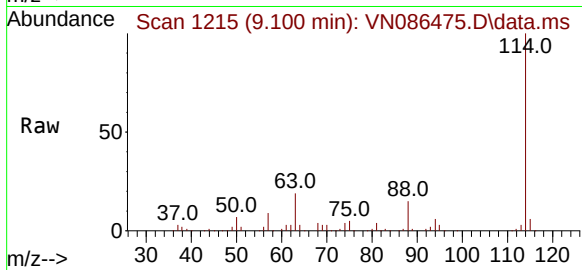
Tgt Ion:114 Resp: 272575

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

88 15.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 60.006 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086475.D

Acq: 02 May 2025 19:56

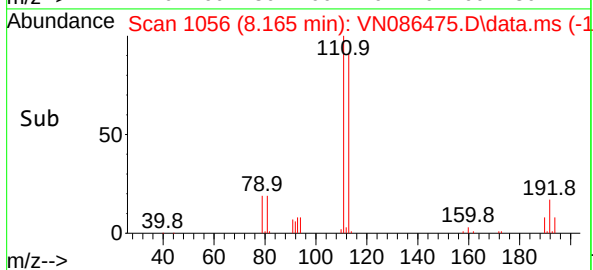
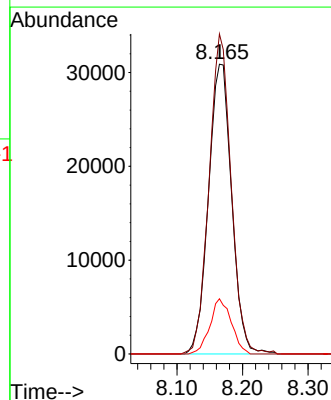
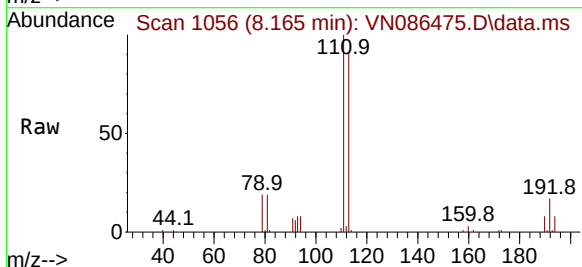
Tgt Ion:113 Resp: 75911

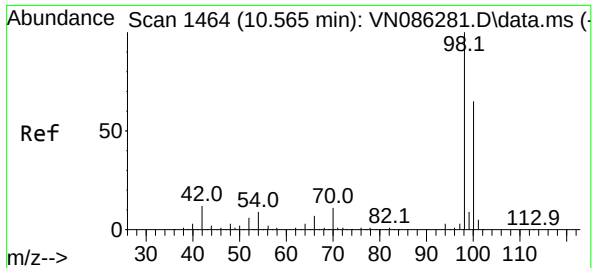
Ion Ratio Lower Upper

113 100

111 104.7 83.4 125.0

192 17.6 13.7 20.5

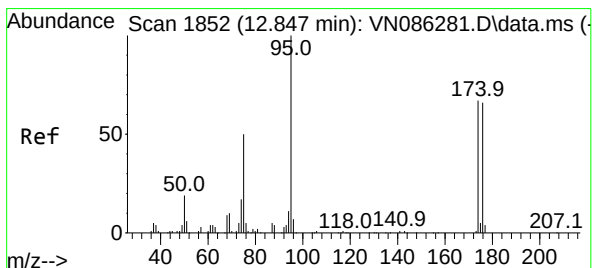
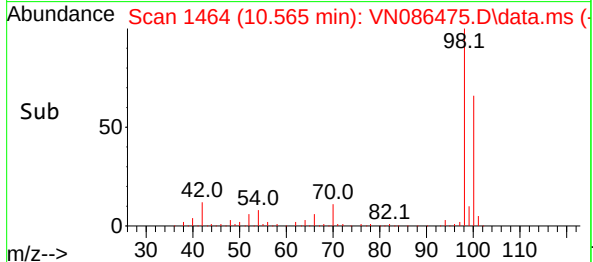
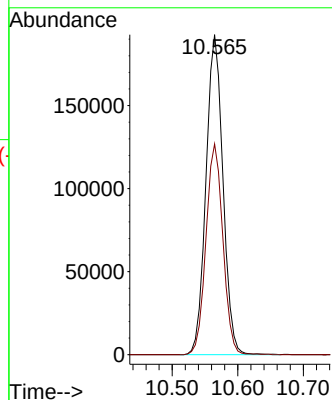
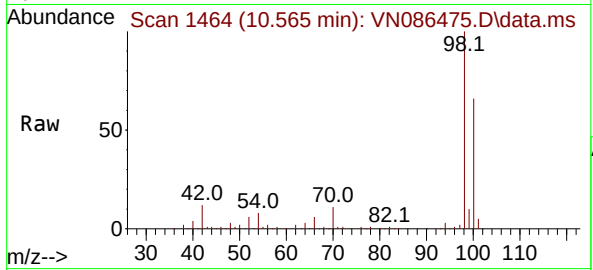




#50
Toluene-d8
Concen: 51.359 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086475.D
Acq: 02 May 2025 19:56

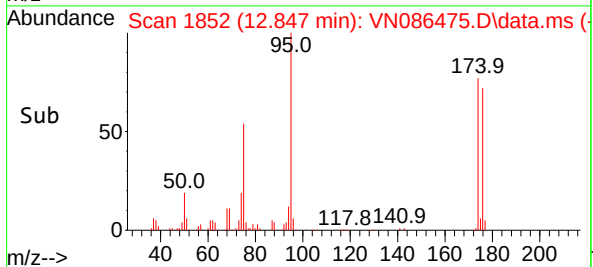
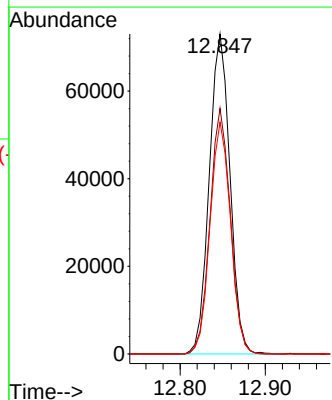
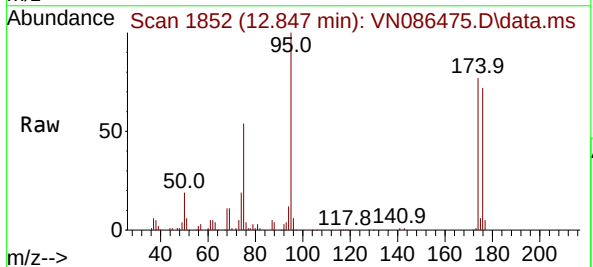
Instrument :
MSVOA_N
ClientSampleId :
MW-3

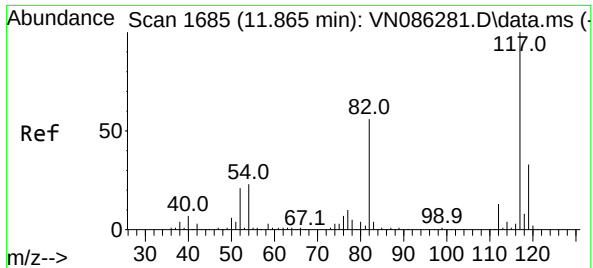
Tgt Ion: 98 Resp: 347241
Ion Ratio Lower Upper
98 100
100 65.7 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 49.907 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086475.D
Acq: 02 May 2025 19:56

Tgt Ion: 95 Resp: 123073
Ion Ratio Lower Upper
95 100
174 75.7 0.0 133.4
176 71.9 0.0 129.2

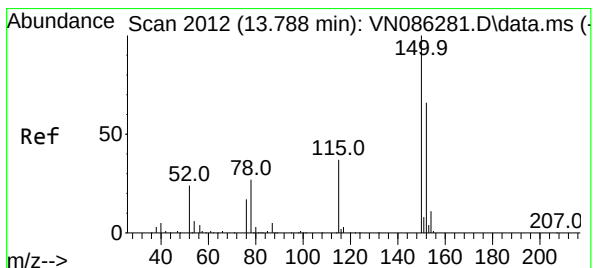
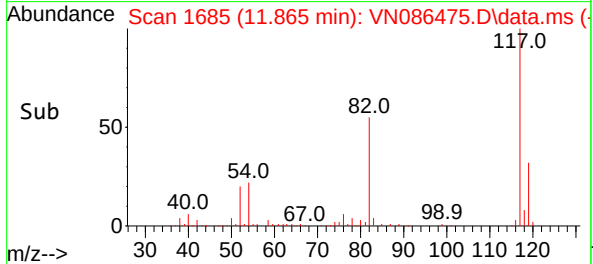
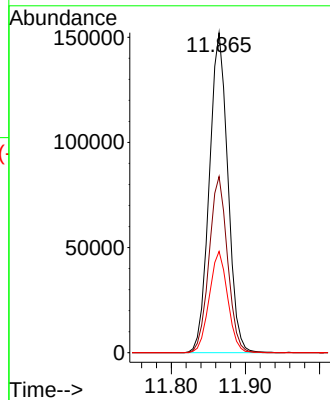
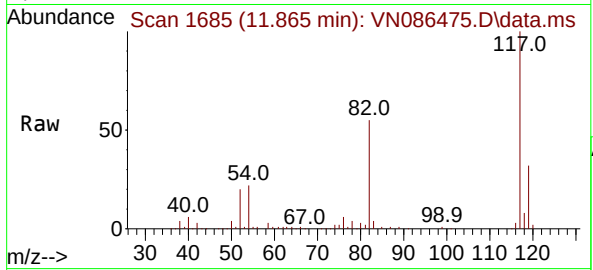




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086475.D
Acq: 02 May 2025 19:56

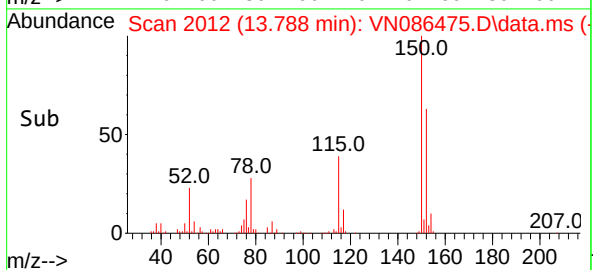
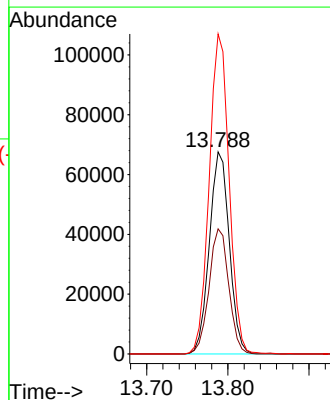
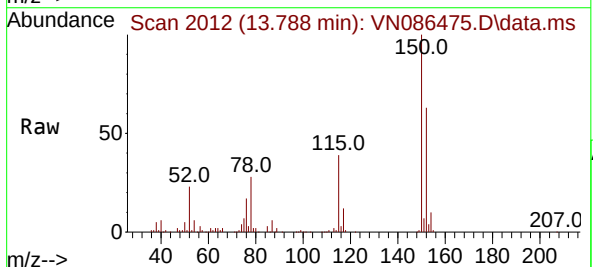
Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion:117 Resp: 263663
Ion Ratio Lower Upper
117 100
82 55.1 44.7 67.1
119 31.6 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086475.D
Acq: 02 May 2025 19:56

Tgt Ion:152 Resp: 115290
Ion Ratio Lower Upper
152 100
115 61.2 31.9 95.9
150 157.8 0.0 352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
 Data File : VN086475.D
 Acq On : 02 May 2025 19:56
 Operator : JC\MD
 Sample : Q1940-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M

Title : SW846 8260

Signal : TIC: VN086475.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.812	141	146	153	rVB2	6270	14881	1.63%	0.317%
2	8.165	1043	1056	1060	rBV	104805	237285	26.05%	5.058%
3	8.224	1060	1066	1078	rVV	191584	431177	47.34%	9.191%
4	8.577	1117	1126	1134	rBV	124720	276738	30.38%	5.899%
5	8.759	1150	1157	1176	rVB3	16708	60379	6.63%	1.287%
6	9.100	1206	1215	1225	rBV	307364	622397	68.33%	13.266%
7	10.012	1365	1370	1378	rVB4	7878	15166	1.67%	0.323%
8	10.141	1387	1392	1400	rVB2	13345	26889	2.95%	0.573%
9	10.565	1456	1464	1473	rBV	506867	910866	100.00%	19.415%
10	11.865	1677	1685	1696	rBV	458879	798055	87.61%	17.011%
11	12.847	1845	1852	1863	rVB	353021	589086	64.67%	12.556%
12	13.788	2003	2012	2021	rBV	421103	708600	77.79%	15.104%

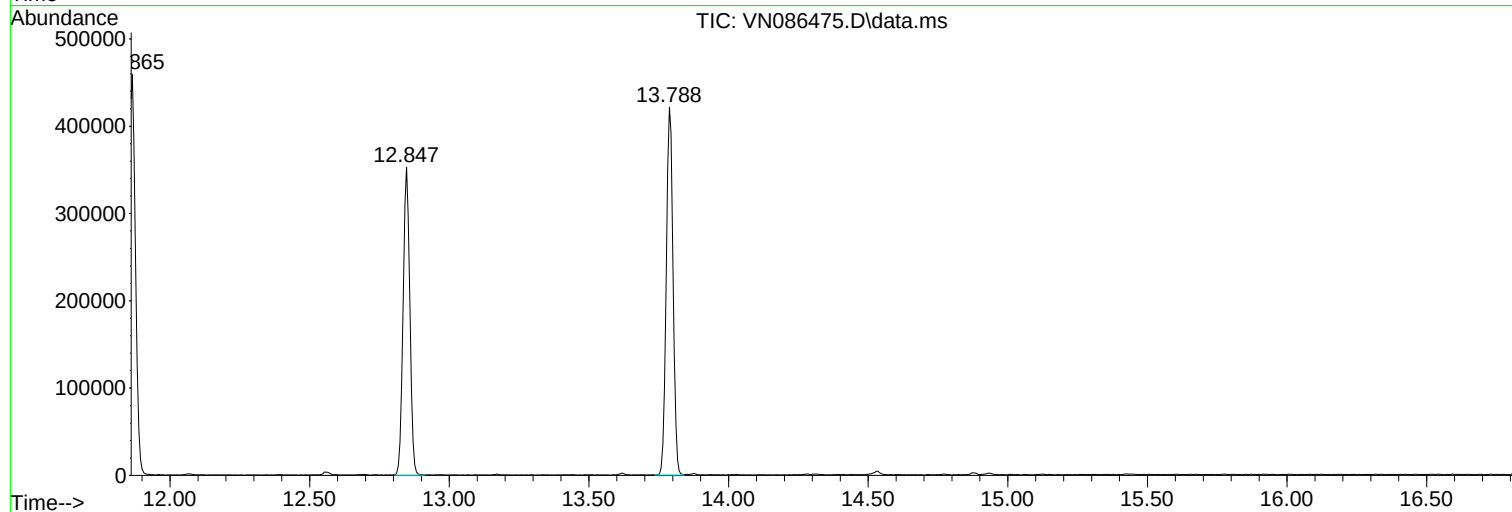
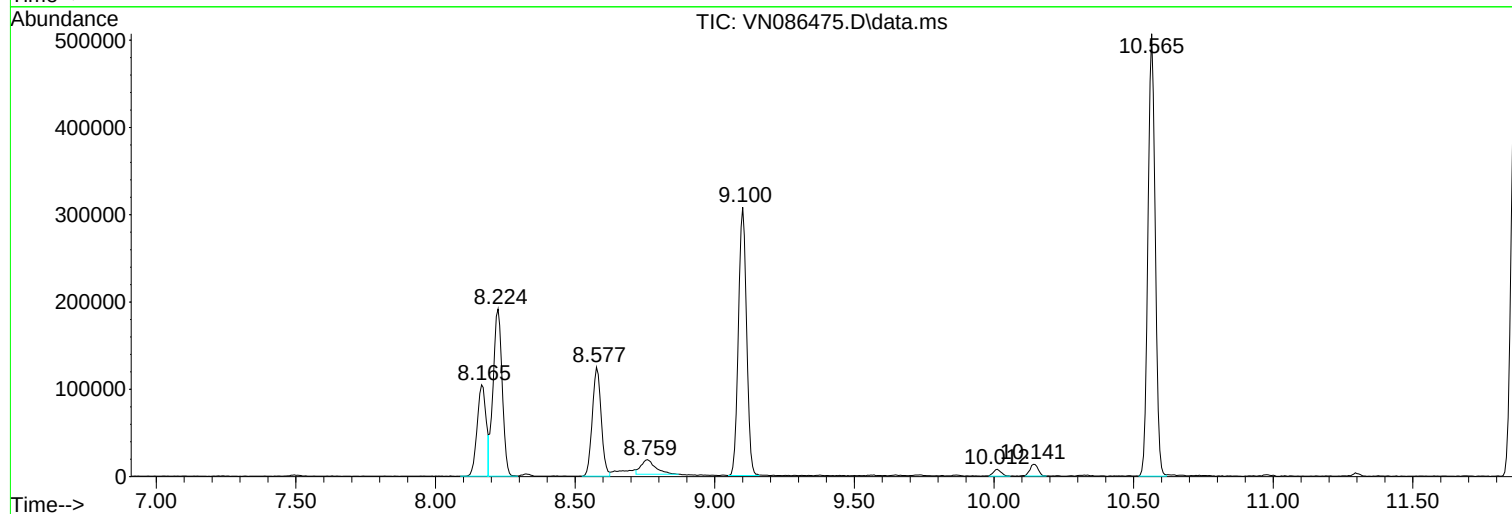
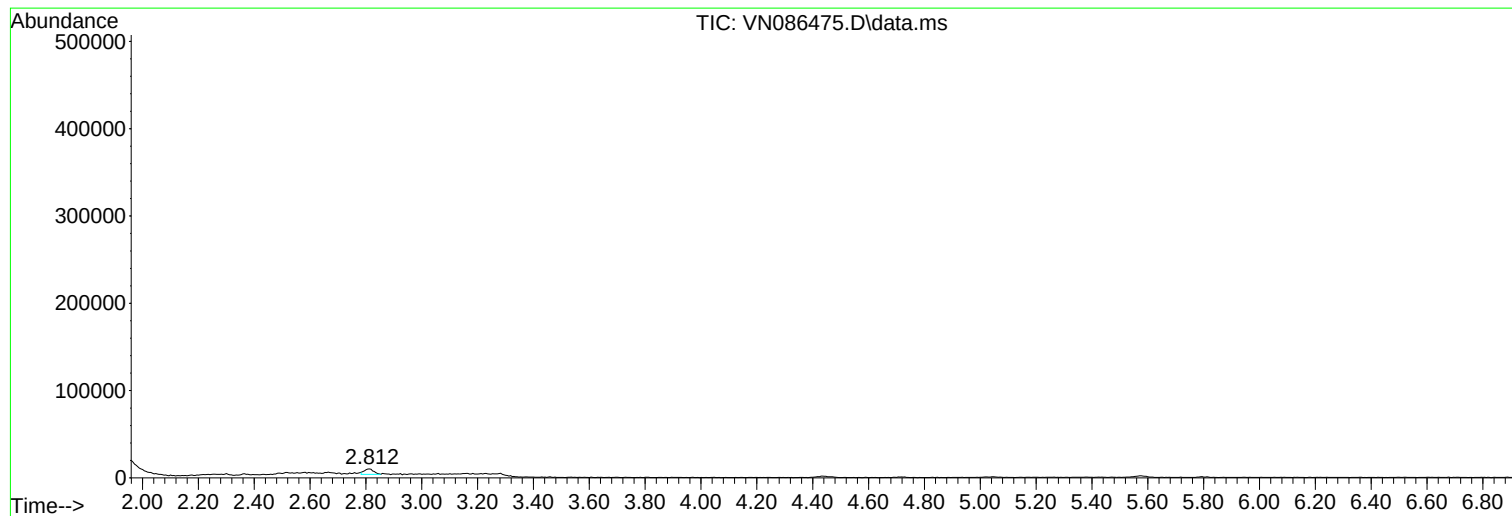
Sum of corrected areas: 4691519

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086475.D
Acq On : 02 May 2025 19:56
Operator : JC\MD
Sample : Q1940-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086475.D
Acq On : 02 May 2025 19:56
Operator : JC\MD
Sample : Q1940-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086475.D
Acq On : 02 May 2025 19:56
Operator : JC\MD
Sample : Q1940-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

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



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: GENV01
 Lab Code: CHEM Case No.: Q1940 SAS No.: Q1940 SDG No.: Q1940
 Instrument ID: MSVOA_N Calibration Date(s): 04/15/2025 04/15/2025
 Heated Purge: (Y/N) N Calibration Time(s): 11:29 14:29
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF001 = VN086277.D		RRF005 = VN086278.D		RRF010 = VN086279.D			
		RRF020 = VN086280.D		RRF050 = VN086281.D		RRF100 = VN086282.D			
COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	RRF	% RSD	
Chloromethane	1.113	0.904	0.783	0.819	0.754	0.795	0.861	15.5	
Vinyl Chloride	0.897	0.825	0.785	0.846	0.791	0.788	0.822	5.4	
Bromomethane		0.383	0.370	0.395	0.356	0.344	0.370	5.5	
Chloroethane	0.650	0.580	0.519	0.543	0.500	0.509	0.550	10.3	
Tert butyl alcohol		0.145	0.135	0.142	0.124	0.115	0.132	9.4	
1,1-Dichloroethene	0.660	0.622	0.553	0.588	0.551	0.557	0.588	7.6	
Acetone	0.423	0.284	0.252	0.283	0.251	0.247	0.290	23.2	
Carbon Disulfide	2.325	1.864	1.602	1.721	1.558	1.503	1.762	17.3	
Methyl tert-butyl Ether	2.478	2.266	2.013	2.199	2.010	2.014	2.163	8.8	
Methylene Chloride	0.782	0.707	0.616	0.670	0.619	0.629	0.670	9.7	
trans-1,2-Dichloroethene	0.703	0.656	0.557	0.620	0.575	0.580	0.615	9.1	
1,1-Dichloroethane	1.315	1.274	1.122	1.206	1.136	1.152	1.201	6.6	
2-Butanone	0.504	0.473	0.420	0.466	0.425	0.420	0.451	7.7	
Carbon Tetrachloride	0.470	0.471	0.409	0.449	0.423	0.426	0.441	5.9	
cis-1,2-Dichloroethene	0.882	0.810	0.694	0.764	0.714	0.720	0.764	9.3	
Chloroform	1.318	1.233	1.122	1.196	1.105	1.104	1.180	7.3	
1,1,1-Trichloroethane	1.095	1.083	0.953	1.026	0.949	0.949	1.009	6.8	
Benzene	1.648	1.545	1.389	1.508	1.409	1.411	1.485	6.8	
1,2-Dichloroethane	0.526	0.496	0.448	0.482	0.444	0.446	0.474	7.1	
Trichloroethene	0.390	0.357	0.334	0.352	0.338	0.341	0.352	5.8	
1,2-Dichloropropane	0.378	0.383	0.355	0.368	0.349	0.347	0.364	4.2	
Bromodichloromethane	0.531	0.530	0.477	0.510	0.475	0.477	0.500	5.4	
4-Methyl-2-Pentanone	0.522	0.522	0.479	0.521	0.484	0.471	0.500	4.9	
Toluene	1.003	0.963	0.865	0.941	0.892	0.895	0.927	5.6	
t-1,3-Dichloropropene	0.576	0.574	0.528	0.572	0.547	0.554	0.558	3.4	
cis-1,3-Dichloropropene	0.679	0.636	0.580	0.621	0.577	0.587	0.613	6.5	
1,1,2-Trichloroethane	0.367	0.357	0.315	0.332	0.318	0.313	0.333	6.9	
2-Hexanone	0.394	0.387	0.355	0.383	0.355	0.349	0.371	5.3	
Dibromochloromethane	0.377	0.381	0.354	0.375	0.353	0.356	0.366	3.5	
Tetrachloroethene	0.419	0.399	0.358	0.390	0.371	0.370	0.385	5.8	

* 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.



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01
 Lab Code: CHEM Case No.: Q1940 SAS No.: Q1940 SDG No.: Q1940
 Instrument ID: MSVOA_N Calibration Date(s): 04/15/2025 04/15/2025
 Heated Purge: (Y/N) N Calibration Time(s): 11:29 14:29
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF001 = VN086277.D		RRF005 = VN086278.D		RRF010 = VN086279.D			
		RRF020 = VN086280.D		RRF050 = VN086281.D		RRF100 = VN086282.D			
COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	RRF	% RSD	
Chlorobenzene	1.235	1.175	1.058	1.117	1.050	1.059	1.116	6.8	
Ethyl Benzene	2.210	2.112	1.873	2.028	1.918	1.941	2.014	6.4	
m/p-Xylenes	0.809	0.795	0.705	0.757	0.727	0.734	0.754	5.4	
o-Xylene	0.791	0.792	0.709	0.753	0.713	0.718	0.746	5.2	
Styrene	1.306	1.288	1.156	1.245	1.218	1.246	1.243	4.3	
Bromoform	0.306	0.294	0.258	0.279	0.261	0.264	0.277	7	
1,1,2,2-Tetrachloroethane	1.347	1.294	1.181	1.212	1.035	0.985	1.176	12.1	
1,2-Dichloroethane-d4		0.746	0.745	0.707	0.719	0.708	0.725	2.6	
Dibromofluoromethane		0.267	0.255	0.230	0.215	0.194	0.232	12.8	
Toluene-d8		1.247	1.281	1.185	1.251	1.237	1.240	2.8	
4-Bromofluorobenzene		0.459	0.456	0.421	0.459	0.467	0.452	4	

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N041525W.M
 Title : SW846 8260
 Last Update : Wed Apr 16 04:19:23 2025
 Response Via : Initial Calibration

Calibration Files

1 =VN086277.D 5 =VN086278.D 10 =VN086279.D 20 =VN086280.D 50 =VN086281.D 100 =VN086282.D

	Compound	1	5	10	20	50	100	Avg	%RSD

1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.606	0.561	0.582	0.624	0.591	0.593	0.593	3.56
3) P	Chloromethane	1.113	0.904	0.783	0.819	0.754	0.795	0.861	15.46
4) C	Vinyl Chloride	0.897	0.825	0.785	0.846	0.791	0.788	0.822	5.36#
5) T	Bromomethane		0.383	0.370	0.395	0.356	0.344	0.370	5.53
6) T	Chloroethane	0.650	0.580	0.519	0.543	0.500	0.509	0.550	10.31
7) T	Trichlorofluor...	0.988	0.951	0.859	0.927	0.863	0.875	0.911	5.87
8) T	Diethyl Ether	0.423	0.421	0.375	0.415	0.374	0.377	0.398	6.12
9) T	1,1,2-Trichlor...	0.577	0.581	0.522	0.567	0.526	0.532	0.551	4.93
10) T	Methyl Iodide		0.598	0.564	0.636	0.599	0.631	0.606	4.84
11) T	Tert butyl alc...		0.145	0.135	0.142	0.124	0.115	0.132	9.44
12) CM	1,1-Dichloroet...	0.660	0.622	0.553	0.588	0.551	0.557	0.588	7.59#
13) T	Acrolein		0.121	0.070	0.065	0.061	0.060	0.075	34.06
14) T	Allyl chloride	1.330	1.082	0.957	1.025	0.929	0.954	1.046	14.33
15) T	Acrylonitrile	0.332	0.349	0.308	0.343	0.317	0.313	0.327	5.13
16) T	Acetone	0.423	0.284	0.252	0.283	0.251	0.247	0.290	23.22
17) T	Carbon Disulfide	2.325	1.864	1.602	1.721	1.558	1.503	1.762	17.28
18) T	Methyl Acetate	1.024	0.912	0.819	0.864	0.781	0.822	0.870	10.04
19) T	Methyl tert-bu...	2.478	2.266	2.013	2.199	2.010	2.014	2.163	8.76
20) T	Methylene Chlo...	0.782	0.707	0.616	0.670	0.619	0.629	0.670	9.71
21) T	trans-1,2-Dich...	0.703	0.656	0.557	0.620	0.575	0.580	0.615	9.11
22) T	Diisopropyl ether	2.660	2.385	2.107	2.266	2.109	2.128	2.276	9.58
23) T	Vinyl Acetate	1.743	1.757	1.524	1.643	1.483	1.396	1.591	9.21
24) P	1,1-Dichloroet...	1.315	1.274	1.122	1.206	1.136	1.152	1.201	6.57
25) T	2-Butanone	0.504	0.473	0.420	0.466	0.425	0.420	0.451	7.73
26) T	2,2-Dichloropr...	1.174	1.154	1.024	1.084	0.983	1.032	1.075	7.07
27) T	cis-1,2-Dichlo...	0.882	0.810	0.694	0.764	0.714	0.720	0.764	9.32
28) T	Bromochloromet...	0.545	0.608	0.436	0.465	0.495	0.506	0.509	11.96
29) T	Tetrahydrofuran	0.337	0.319	0.286	0.314	0.281	0.273	0.302	8.30
30) C	Chloroform	1.318	1.233	1.122	1.196	1.105	1.104	1.180	7.29#
31) T	Cyclohexane		1.439	1.140	1.169	1.066	1.062	1.175	13.14
32) T	1,1,1-Trichlor...	1.095	1.083	0.953	1.026	0.949	0.949	1.009	6.79
33) S	1,2-Dichloroet...		0.746	0.745	0.707	0.719	0.708	0.725	2.63
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.267	0.255	0.230	0.215	0.194	0.232	12.85
36) T	1,1-Dichloropr...	0.509	0.488	0.426	0.466	0.443	0.448	0.463	6.68
37) T	Ethyl Acetate	0.585	0.509	0.458	0.491	0.446	0.439	0.488	11.15
38) T	Carbon Tetrach...	0.470	0.471	0.409	0.449	0.423	0.426	0.441	5.93
39) T	Methylcyclohexane	0.611	0.579	0.513	0.549	0.524	0.531	0.551	6.83
40) TM	Benzene	1.648	1.545	1.389	1.508	1.409	1.411	1.485	6.81
41) T	Methacrylonitrile	0.327	0.285	0.278	0.283	0.264	0.259	0.283	8.57
42) TM	1,2-Dichloroet...	0.526	0.496	0.448	0.482	0.444	0.446	0.474	7.09
43) T	Isopropyl Acetate	2.155	1.263	0.969	0.975	0.866	0.833	1.177	42.71
44) TM	Trichloroethene	0.390	0.357	0.334	0.352	0.338	0.341	0.352	5.83
45) C	1,2-Dichloropr...	0.378	0.383	0.355	0.368	0.349	0.347	0.364	4.24#
46) T	Dibromomethane	0.234	0.244	0.220	0.239	0.227	0.226	0.232	3.74
47) T	Bromodichlorom...	0.531	0.530	0.477	0.510	0.475	0.477	0.500	5.39
48) T	Methyl methacr...	0.517	0.436	0.404	0.433	0.395	0.386	0.429	11.14
49) T	1,4-Dioxane	0.009	0.008	0.007	0.008	0.007	0.006	0.007	15.51
50) S	Toluene-d8		1.247	1.281	1.185	1.251	1.237	1.240	2.81
51) T	4-Methyl-2-Pen...	0.522	0.522	0.479	0.521	0.484	0.471	0.500	4.90
52) CM	Toluene	1.003	0.963	0.865	0.941	0.892	0.895	0.927	5.60#
53) T	t-1,3-Dichloro...	0.576	0.574	0.528	0.572	0.547	0.554	0.558	3.38
54) T	cis-1,3-Dichlo...	0.679	0.636	0.580	0.621	0.577	0.587	0.613	6.52
55) T	1,1,2-Trichlor...	0.367	0.357	0.315	0.332	0.318	0.313	0.333	6.91
56) T	Ethyl methacry...	0.668	0.644	0.578	0.623	0.579	0.585	0.613	6.23

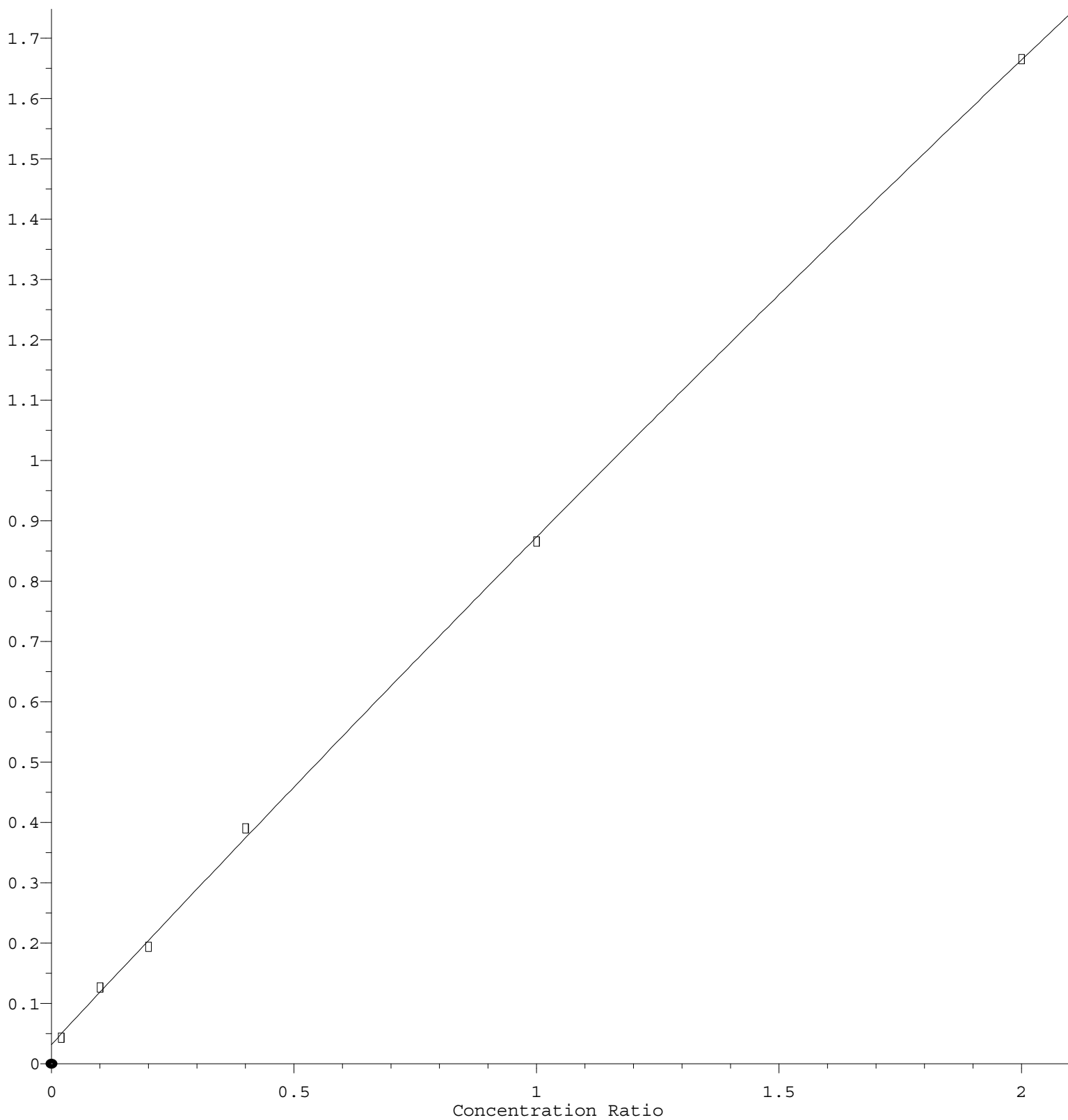
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N041525W.M

57)	T	1,3-Dichloropr...	0.629	0.617	0.567	0.602	0.564	0.571	0.592	4.75
58)	T	2-Chloroethyl ...	0.294	0.354	0.242	0.275	0.287	0.294	0.291	12.51
59)	T	2-Hexanone	0.394	0.387	0.355	0.383	0.355	0.349	0.371	5.28
60)	T	Dibromochlorom...	0.377	0.381	0.354	0.375	0.353	0.356	0.366	3.48
61)	T	1,2-Dibromoethane	0.359	0.342	0.319	0.350	0.324	0.323	0.336	4.94
62)	S	4-Bromofluorob...	0.459	0.456	0.421	0.459	0.467	0.452		4.02
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.419	0.399	0.358	0.390	0.371	0.370	0.385	5.83
65)	PM	Chlorobenzene	1.235	1.175	1.058	1.117	1.050	1.059	1.116	6.78
66)	T	1,1,1,2-Tetrac...	0.400	0.396	0.349	0.368	0.347	0.348	0.368	6.70
67)	C	Ethyl Benzene	2.210	2.112	1.873	2.028	1.918	1.941	2.014	6.39#
68)	T	m/p-Xylenes	0.809	0.795	0.705	0.757	0.727	0.734	0.754	5.38
69)	T	o-Xylene	0.791	0.792	0.709	0.753	0.713	0.718	0.746	5.16
70)	T	Styrene	1.306	1.288	1.156	1.245	1.218	1.246	1.243	4.28
71)	P	Bromoform	0.306	0.294	0.258	0.279	0.261	0.264	0.277	7.03
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.666	4.271	3.991	4.181	3.728	3.706	4.090	8.89
74)	T	N-amyl acetate	2.690	2.110	1.879	2.000	1.778	1.760	2.036	17.03
75)	P	1,1,2,2-Tetrac...	1.347	1.294	1.181	1.212	1.035	0.985	1.176	12.07
76)	T	1,2,3-Trichlor...	1.518	1.144	1.153	1.182	1.042	1.040	1.180	14.93
77)	T	Bromobenzene	0.968	0.935	0.905	0.946	0.850	0.833	0.906	5.99
78)	T	n-propylbenzene	5.366	5.072	4.629	4.862	4.488	4.501	4.820	7.26
79)	T	2-Chlorotoluene	3.378	3.247	2.908	3.058	2.759	2.745	3.016	8.61
80)	T	1,3,5-Trimethy...	3.800	3.518	3.178	3.418	3.083	3.088	3.348	8.50
81)	T	trans-1,4-Dich...	0.526	0.493	0.494	0.461	0.482	0.491		4.81
82)	T	4-Chlorotoluene	3.304	3.152	2.851	3.047	2.810	2.812	2.996	6.86
83)	T	tert-Butylbenzene	3.382	3.057	2.795	2.886	2.608	2.675	2.901	9.80
84)	T	1,2,4-Trimethy...	3.782	3.644	3.262	3.431	3.171	3.156	3.408	7.62
85)	T	sec-Butylbenzene	4.451	4.309	3.897	3.991	3.763	3.729	4.023	7.34
86)	T	p-Isopropyltol...	3.603	3.487	3.174	3.290	3.158	3.185	3.316	5.63
87)	T	1,3-Dichlorobe...	1.866	1.822	1.618	1.698	1.610	1.608	1.704	6.72
88)	T	1,4-Dichlorobe...	1.942	1.815	1.615	1.713	1.614	1.597	1.716	8.05
89)	T	n-Butylbenzene	3.209	3.013	2.746	2.921	2.838	2.910	2.939	5.43
90)	T	Hexachloroethane	0.617	0.586	0.530	0.557	0.518	0.538	0.558	6.74
91)	T	1,2-Dichlorobe...	1.819	1.820	1.565	1.646	1.559	1.502	1.652	8.35
92)	T	1,2-Dibromo-3-...	0.234	0.274	0.229	0.251	0.222	0.213	0.237	9.21
93)	T	1,2,4-Trichlor...	0.822	0.865	0.730	0.793	0.765	0.771	0.791	5.99
94)	T	Hexachlorobuta...	0.308	0.339	0.286	0.301	0.280	0.278	0.299	7.61
95)	T	Naphthalene	3.012	2.955	2.601	2.904	2.675	2.674	2.804	6.20
96)	T	1,2,3-Trichlor...	0.819	0.810	0.697	0.749	0.708	0.709	0.749	7.25

(#) = Out of Range

Isopropyl Acetate

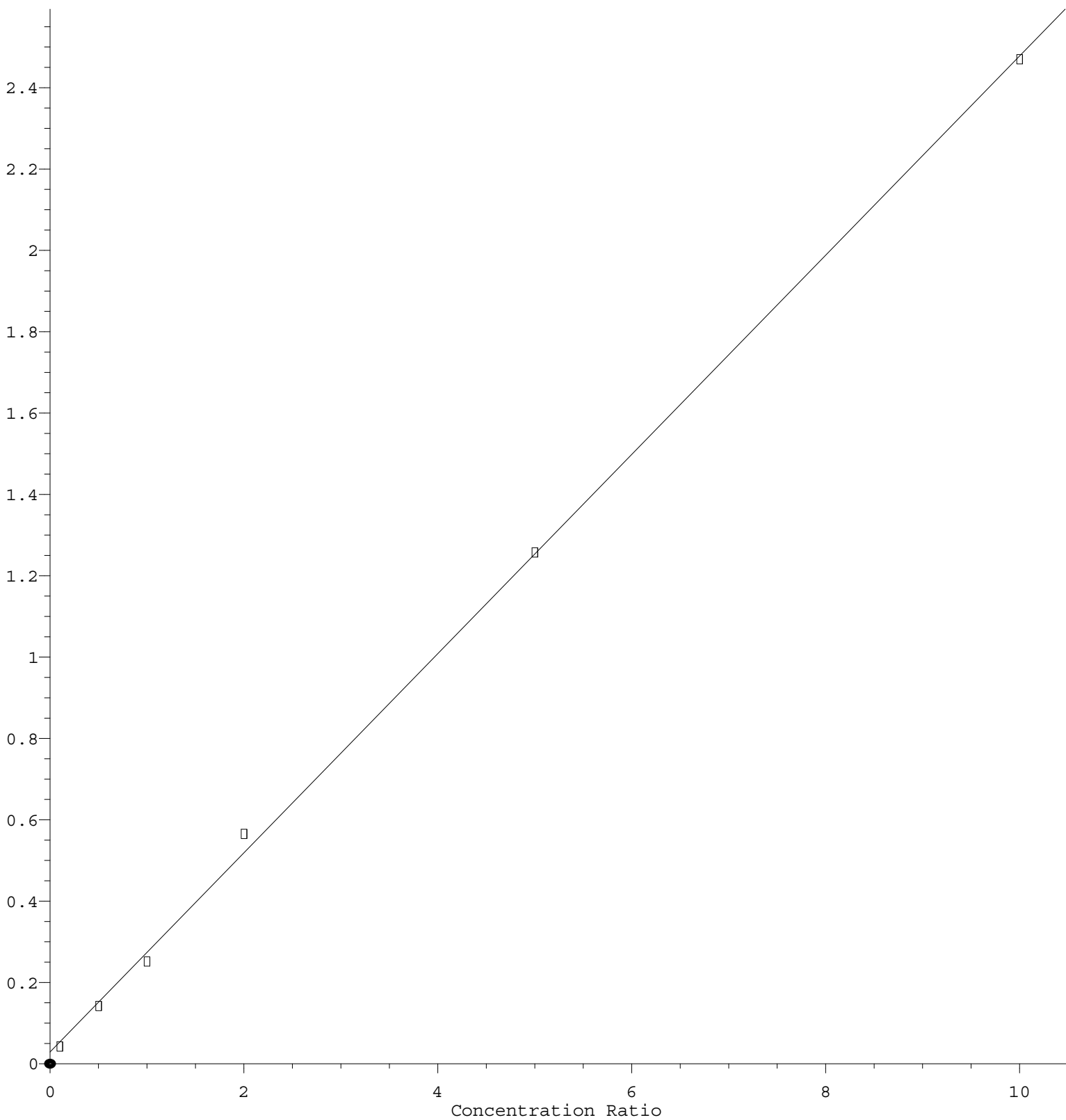
Response Ratio



$R = -2.483e-002 A^2 + 8.654e-001 A + 3.238e-002$
Coef of Det (r^2) = 0.999735 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N041525W.M
Calibration Table Last Updated: Wed Apr 16 04:19:23 2025

Acetone

Response Ratio



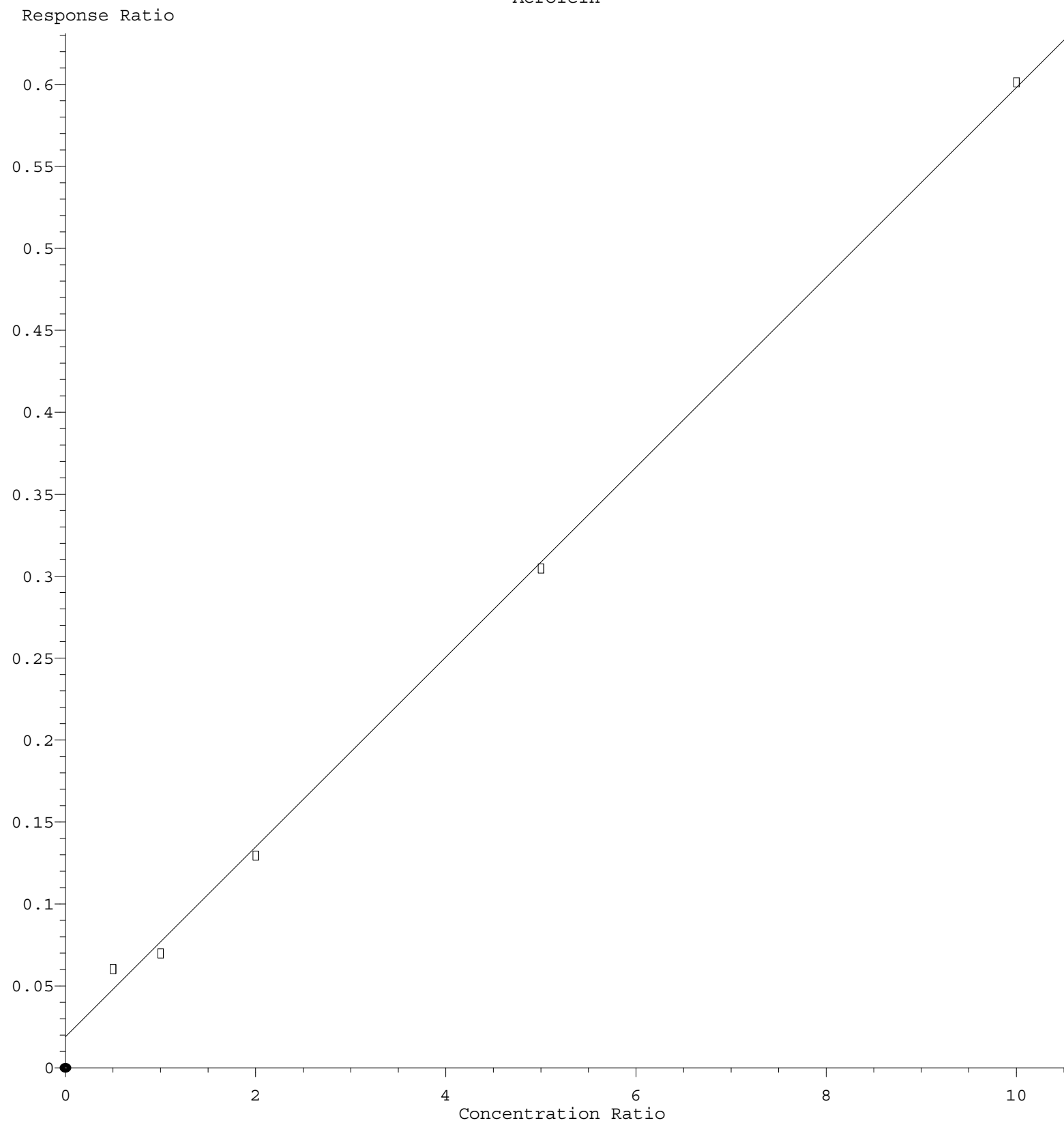
$$\text{Response} = 2.450\text{e-}001 * \text{Amt} + 2.861\text{e-}002$$

Coef of Det (r^2) = 0.999327 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N041525W.M

Calibration Table Last Updated: Wed Apr 16 04:19:23 2025

Acrolein



Response = 5.796e-002 * Amt + 1.861e-002
 Coef of Det (r^2) = 0.998771 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N041525W.M
 Calibration Table Last Updated: Wed Apr 16 04:19:23 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086277.D
 Acq On : 15 Apr 2025 11:29
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:54:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	218868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	404752	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	341637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	145129	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	2651	1.022	ug/l	95
3) Chloromethane	2.360	50	4871	1.292	ug/l	93
4) Vinyl Chloride	2.518	62	3928	1.092	ug/l	94
6) Chloroethane	3.124	64	2846	1.182	ug/l #	86
7) Trichlorofluoromethane	3.495	101	4327	1.086	ug/l #	79
8) Diethyl Ether	3.965	74	1853	1.065	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.365	101	2525	1.047	ug/l #	84
12) 1,1-Dichloroethene	4.342	96	2890	1.122	ug/l	97
14) Allyl chloride	5.018	41	5821	1.272	ug/l	94
15) Acrylonitrile	5.730	53	7256	5.069	ug/l	100
16) Acetone	4.430	43	9264m	2.774	ug/l	
17) Carbon Disulfide	4.706	76	10177	1.319	ug/l	97
18) Methyl Acetate	5.024	43	4481	1.176	ug/l	92
19) Methyl tert-butyl Ether	5.789	73	10847	1.145	ug/l #	91
20) Methylene Chloride	5.271	84	3423	1.167	ug/l #	94
21) trans-1,2-Dichloroethene	5.783	96	3079	1.143	ug/l #	84
22) Diisopropyl ether	6.665	45	11644	1.169	ug/l	98
23) Vinyl Acetate	6.606	43	38143	5.479	ug/l	96
24) 1,1-Dichloroethane	6.565	63	5756	1.095	ug/l #	85
25) 2-Butanone	7.489	43	11026	5.581	ug/l	99
26) 2,2-Dichloropropane	7.494	77	5139	1.092	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	3859	1.154	ug/l	90
28) Bromochloromethane	7.800	49	2387	1.071	ug/l #	92
29) Tetrahydrofuran	7.841	42	7367	5.577	ug/l	93
30) Chloroform	7.959	83	5771	1.118	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	4792	1.085	ug/l #	51
36) 1,1-Dichloropropene	8.371	75	4123	1.099	ug/l	94
37) Ethyl Acetate	7.559	43	4732	1.198	ug/l #	91
38) Carbon Tetrachloride	8.359	117	3808	1.066	ug/l	100
39) Methylcyclohexane	9.594	83	4950	1.110	ug/l	96
40) Benzene	8.606	78	13340	1.110	ug/l	97
41) Methacrylonitrile	7.765	41	2651	1.158	ug/l #	94
42) 1,2-Dichloroethane	8.665	62	4258	1.111	ug/l	96
43) Isopropyl Acetate	8.683	43	17444	0.619	ug/l #	75
44) Trichloroethene	9.353	130	3157	1.108	ug/l	87
45) 1,2-Dichloropropane	9.612	63	3063	1.041	ug/l #	86

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086277.D
 Acq On : 15 Apr 2025 11:29
 Operator : JC\MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:54:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

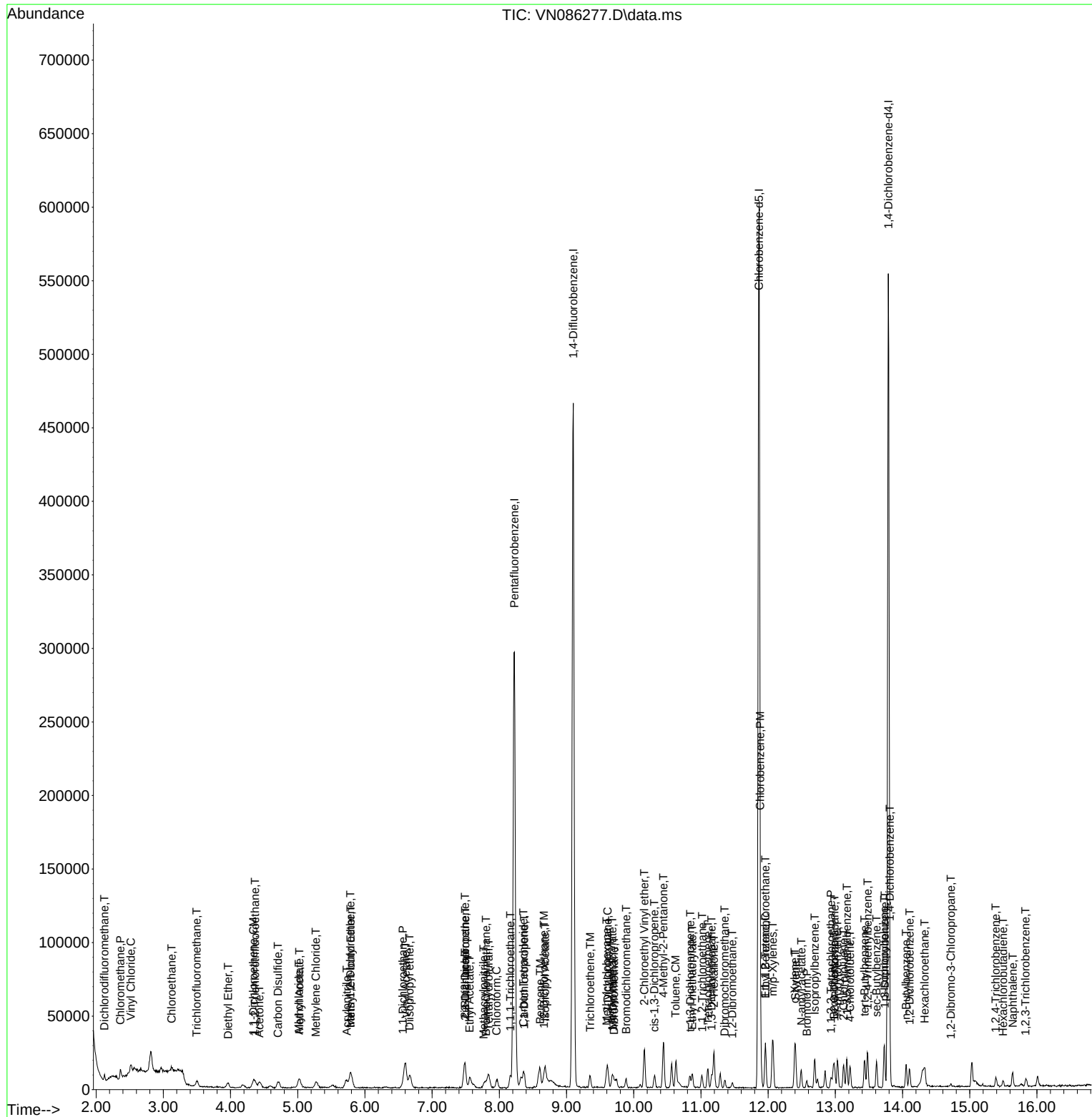
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.706	93	1891	1.009	ug/l	91
47) Bromodichloromethane	9.888	83	4302	1.062	ug/l #	97
48) Methyl methacrylate	9.683	41	4185	1.206	ug/l	94
49) 1,4-Dioxane	9.688	88	1477	25.032	ug/l #	76
51) 4-Methyl-2-Pentanone	10.441	43	21143	5.227	ug/l	98
52) Toluene	10.624	92	8120	1.083	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	4663	1.032	ug/l	93
54) cis-1,3-Dichloropropene	10.306	75	5497	1.107	ug/l	89
55) 1,1,2-Trichloroethane	11.018	97	2967	1.099	ug/l	93
56) Ethyl methacrylate	10.871	69	5409	1.090	ug/l	90
57) 1,3-Dichloropropane	11.159	76	5091	1.063	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	11885	5.048	ug/l	97
59) 2-Hexanone	11.194	43	15945	5.315	ug/l	98
60) Dibromochloromethane	11.353	129	3054	1.031	ug/l	96
61) 1,2-Dibromoethane	11.465	107	2908	1.068	ug/l	90
64) Tetrachloroethene	11.106	164	2864	1.090	ug/l	95
65) Chlorobenzene	11.882	112	8440	1.107	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.959	131	2734	1.087	ug/l #	62
67) Ethyl Benzene	11.959	91	15099	1.097	ug/l	96
68) m/p-Xylenes	12.071	106	11055	2.144	ug/l	98
69) o-Xylene	12.394	106	5408	1.061	ug/l	97
70) Styrene	12.406	104	8925	1.051	ug/l	96
71) Bromoform	12.576	173	2089	1.103	ug/l #	80
73) Isopropylbenzene	12.694	105	13542	1.141	ug/l	98
74) N-amyl acetate	12.494	43	7807	1.321	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.935	83	3910	1.145	ug/l	94
76) 1,2,3-Trichloropropane	12.988	75	4407m	1.293	ug/l	
77) Bromobenzene	12.982	156	2811	1.069	ug/l	90
78) n-propylbenzene	13.029	91	15576	1.113	ug/l	98
79) 2-Chlorotoluene	13.124	91	9804	1.120	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	11029	1.135	ug/l	99
82) 4-Chlorotoluene	13.218	91	9589	1.103	ug/l	98
83) tert-Butylbenzene	13.435	119	9817	1.166	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	10977	1.110	ug/l	96
85) sec-Butylbenzene	13.612	105	12920	1.106	ug/l	98
86) p-Isopropyltoluene	13.729	119	10458	1.086	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	5415	1.095	ug/l	94
88) 1,4-Dichlorobenzene	13.812	146	5636m	1.132	ug/l	
89) n-Butylbenzene	14.053	91	9315	1.092	ug/l	99
90) Hexachloroethane	14.329	117	1792	1.107	ug/l	86
91) 1,2-Dichlorobenzene	14.106	146	5279	1.101	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.718	75	679	0.987	ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	2387	1.040	ug/l	93
94) Hexachlorobutadiene	15.494	225	893	1.030	ug/l	78
95) Naphthalene	15.641	128	8743	1.074	ug/l	97
96) 1,2,3-Trichlorobenzene	15.829	180	2378	1.094	ug/l	91

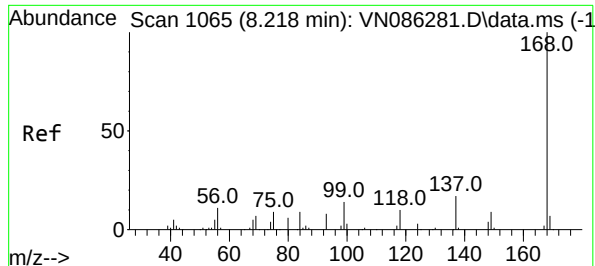
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations

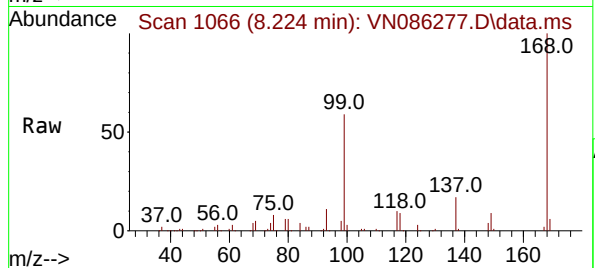
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

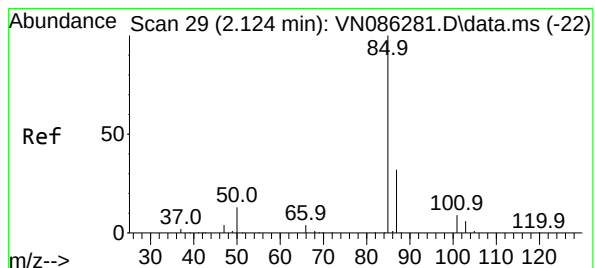
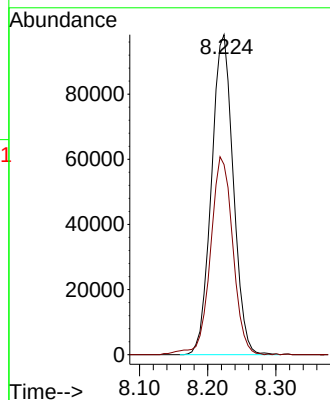
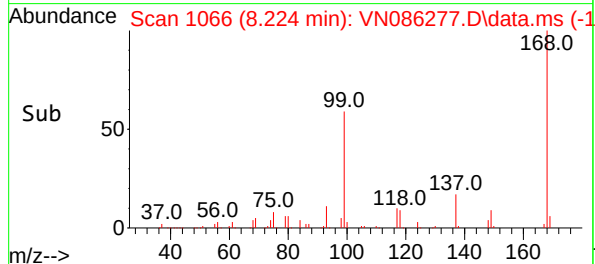
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion:168 Resp: 21886
Ion Ratio Lower Upper
168 100
99 59.4 52.5 78.7

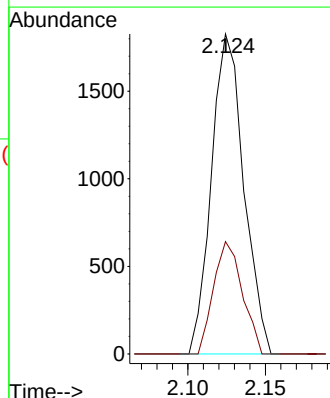
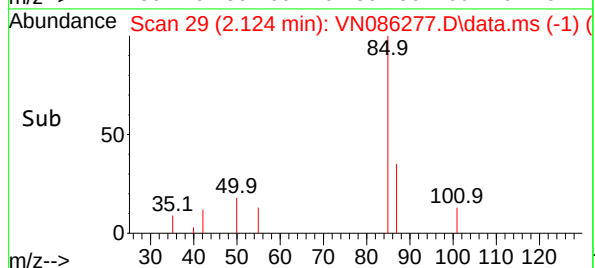
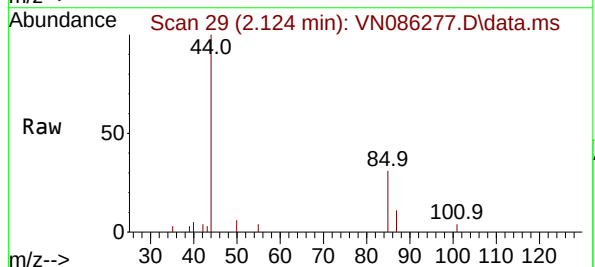
Manual Integrations
APPROVED

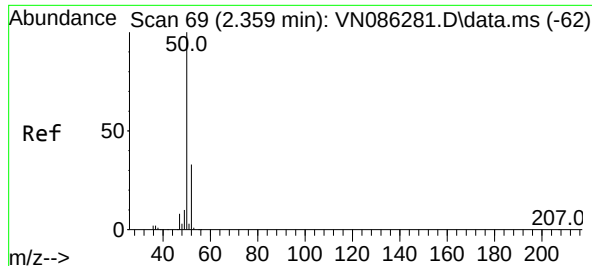
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#2
Dichlorodifluoromethane
Concen: 1.022 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

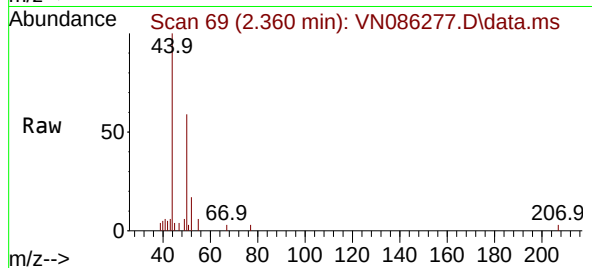
Tgt Ion: 85 Resp: 2651
Ion Ratio Lower Upper
85 100
87 35.1 16.3 48.8





#3
Chloromethane
Concen: 1.292 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

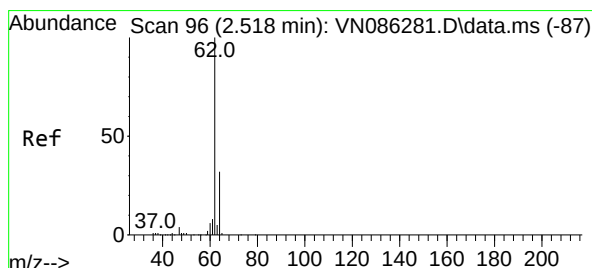
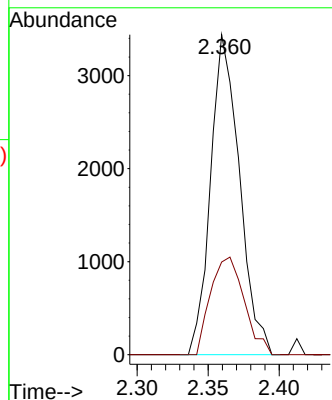
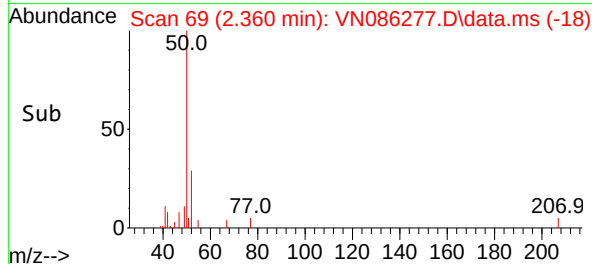
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion: 50 Resp: 487
Ion Ratio Lower Upper
50 100
52 29.0 26.5 39.7

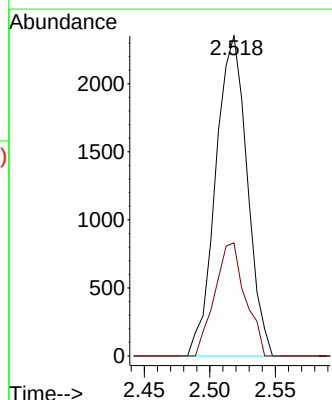
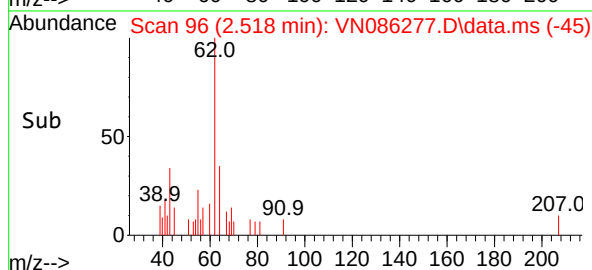
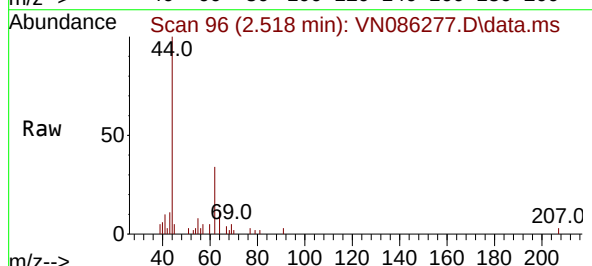
Manual Integrations
APPROVED

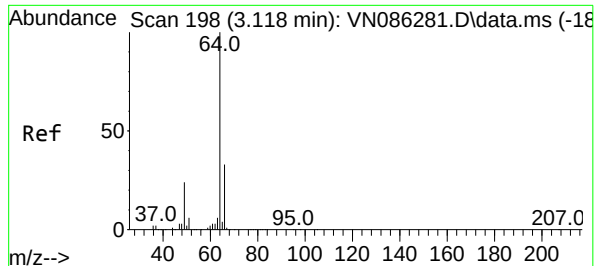
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#4
Vinyl Chloride
Concen: 1.092 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

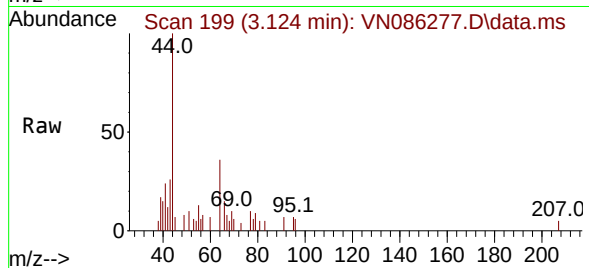
Tgt Ion: 62 Resp: 3928
Ion Ratio Lower Upper
62 100
64 35.3 25.6 38.4





#6
Chloroethane
Concen: 1.182 ug/l
RT: 3.124 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

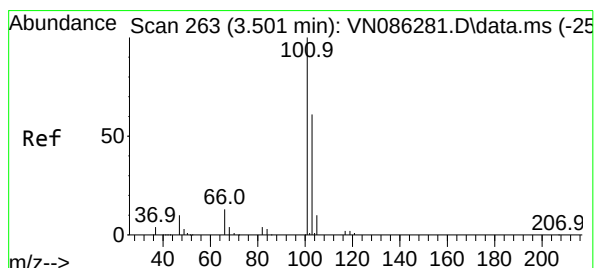
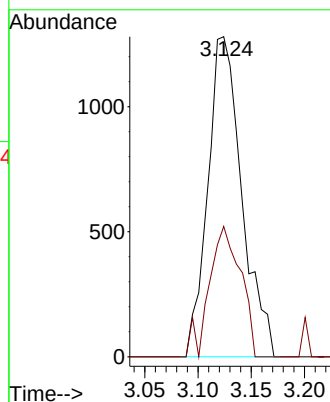
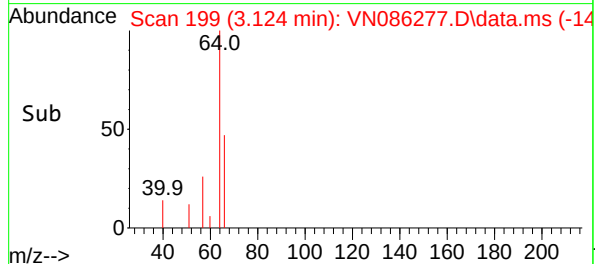
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion: 64 Resp: 2840
Ion Ratio Lower Upper
64 100
66 40.7 26.2 39.2

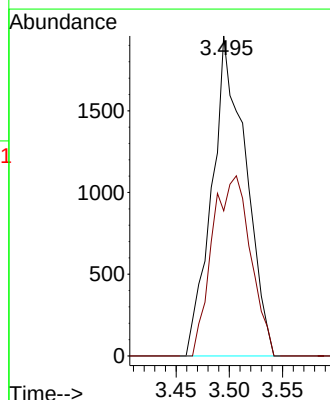
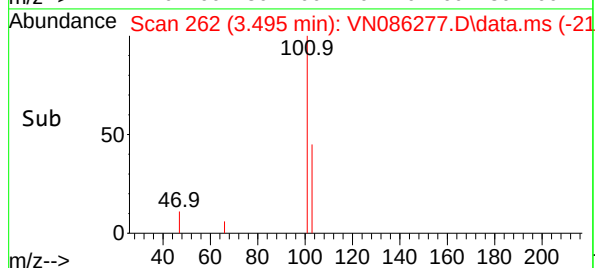
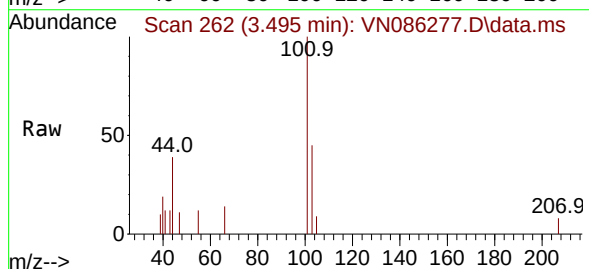
Manual Integrations
APPROVED

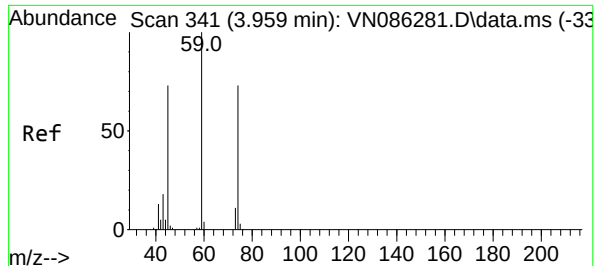
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#7
Trichlorofluoromethane
Concen: 1.086 ug/l
RT: 3.495 min Scan# 262
Delta R.T. -0.006 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

Tgt Ion:101 Resp: 4327
Ion Ratio Lower Upper
101 100
103 45.4 49.2 73.8



#8
Diethyl Ether

Concen: 1.065 ug/l

RT: 3.965 min Scan# 341

Delta R.T. 0.006 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 74 Resp: 185

Ion Ratio Lower Upper

74 100

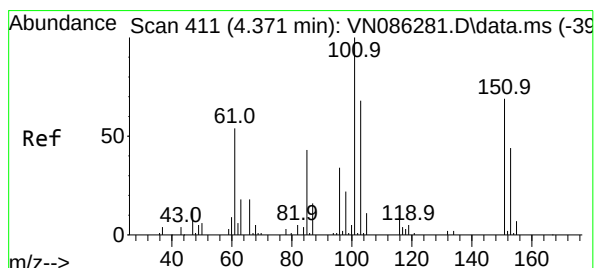
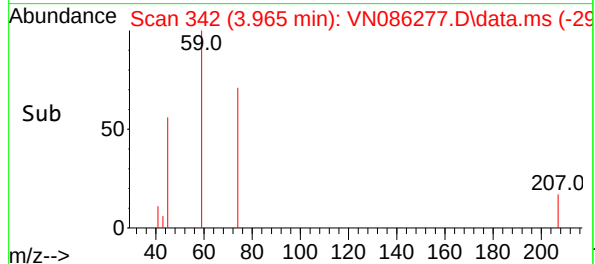
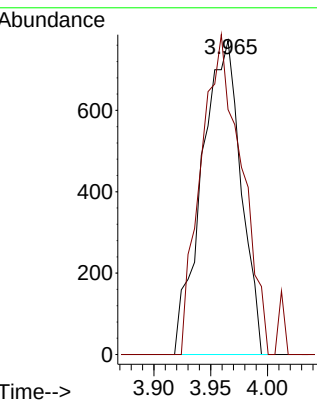
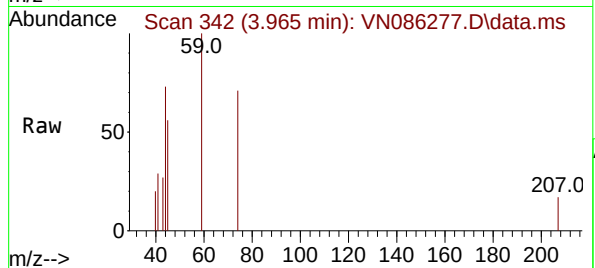
45 105.3 48.0 144.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.047 ug/l

RT: 4.365 min Scan# 410

Delta R.T. -0.006 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

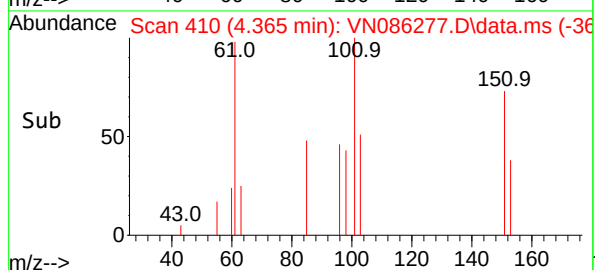
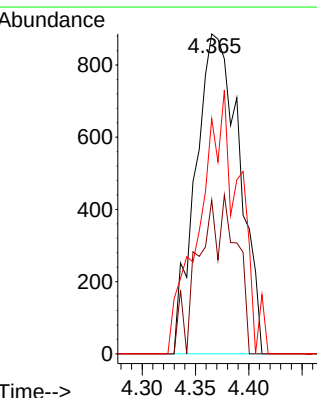
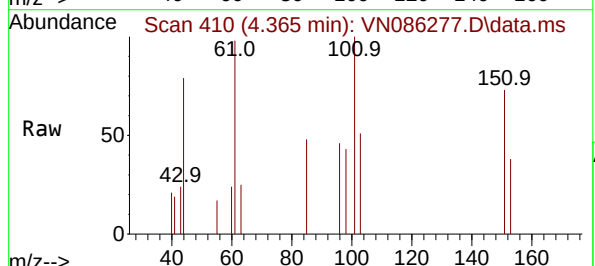
Tgt Ion:101 Resp: 2525

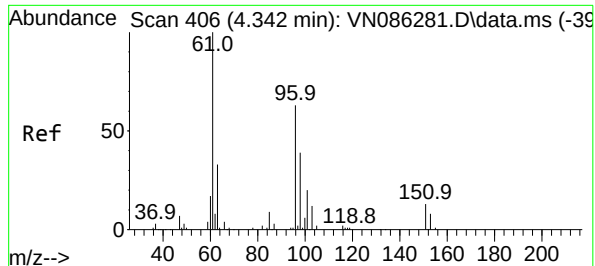
Ion Ratio Lower Upper

101 100

85 23.9 34.7 52.1#

151 75.8 56.1 84.1





#12

1,1-Dichloroethene

Concen: 1.122 ug/l

RT: 4.342 min Scan# 406

Delta R.T. 0.000 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

Tgt Ion: 96 Resp: 2890

Ion Ratio Lower Upper

96 100

61 159.6 126.6 189.8

98 68.1 49.6 74.4

Instrument :

MSVOA_N

ClientSampleId :

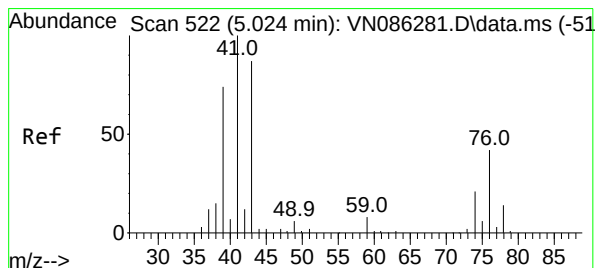
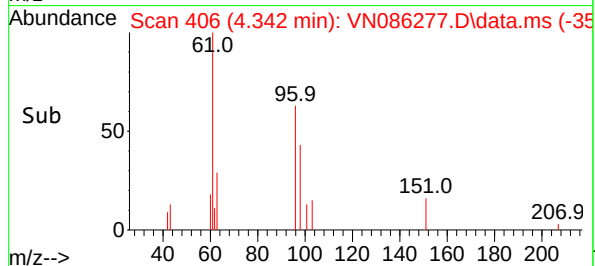
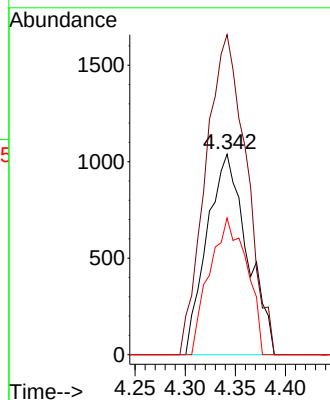
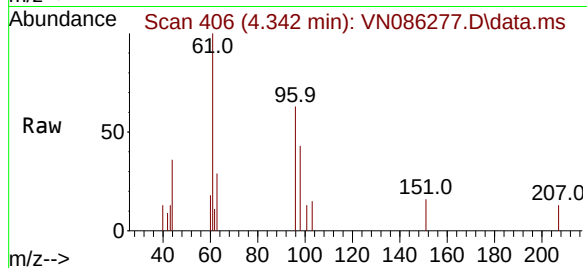
VSTDIC001

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#14

Allyl chloride

Concen: 1.272 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.006 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

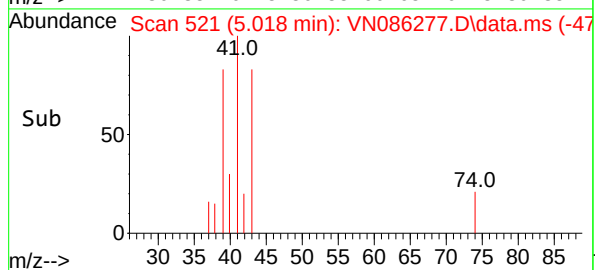
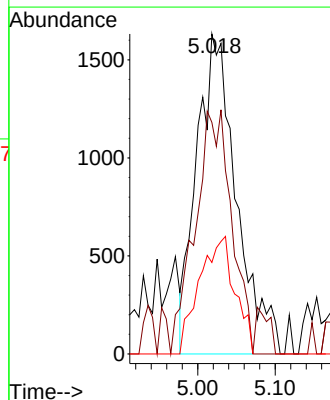
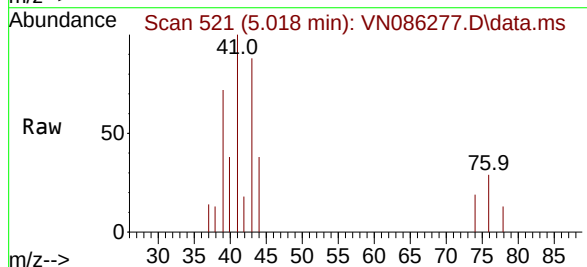
Tgt Ion: 41 Resp: 5821

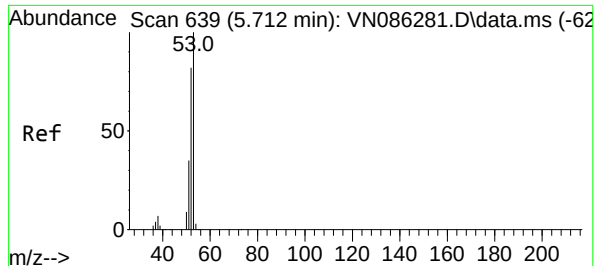
Ion Ratio Lower Upper

41 100

39 70.2 59.2 88.8

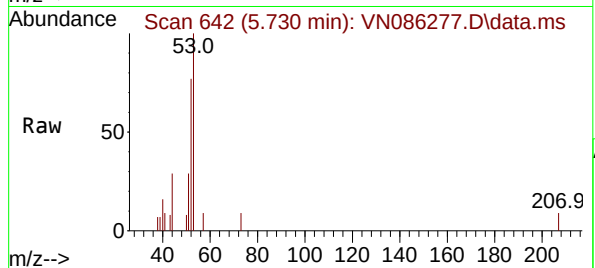
76 32.9 31.2 46.8





#15
Acrylonitrile
Concen: 5.069 ug/l
RT: 5.730 min Scan# 642
Delta R.T. 0.018 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

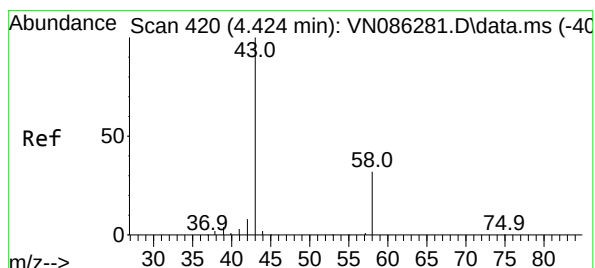
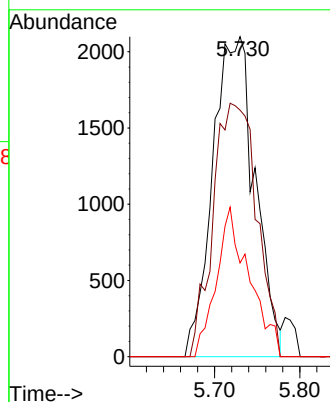
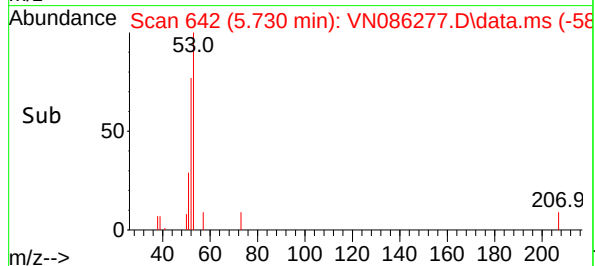
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion: 53 Resp: 7250
Ion Ratio Lower Upper
53 100
52 81.7 65.5 98.3
51 36.3 28.6 42.8

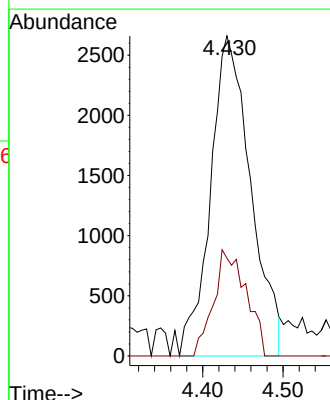
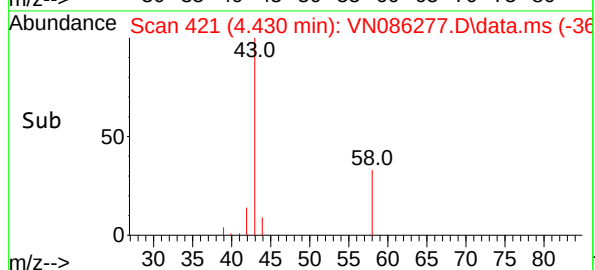
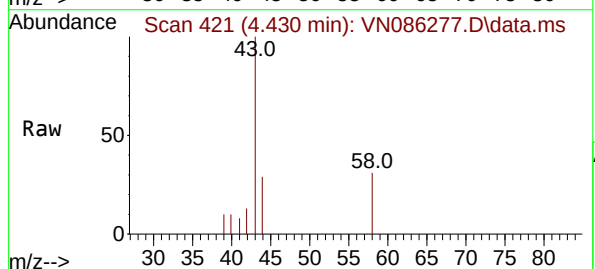
Manual Integrations
APPROVED

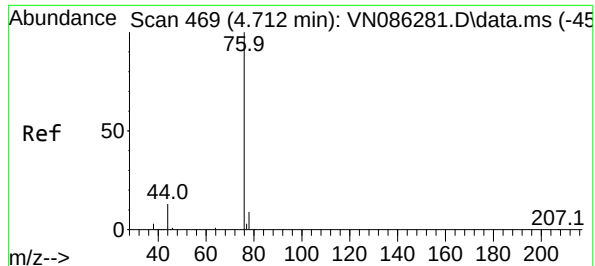
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#16
Acetone
Concen: 2.774 ug/l m
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

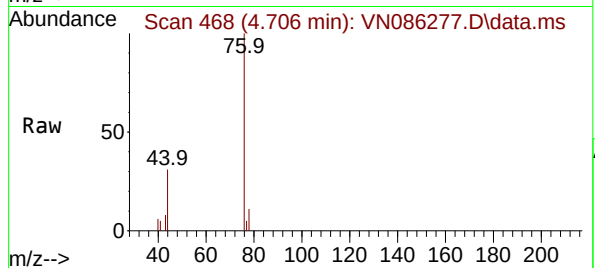
Tgt Ion: 43 Resp: 9264
Ion Ratio Lower Upper
43 100
58 30.5 25.3 37.9





#17
Carbon Disulfide
Concen: 1.319 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

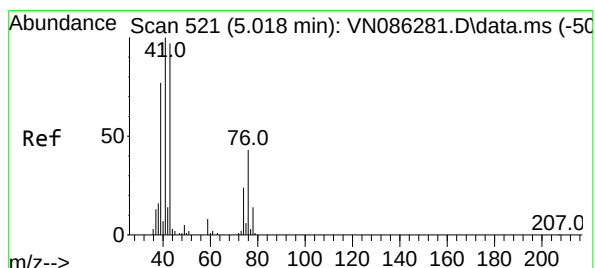
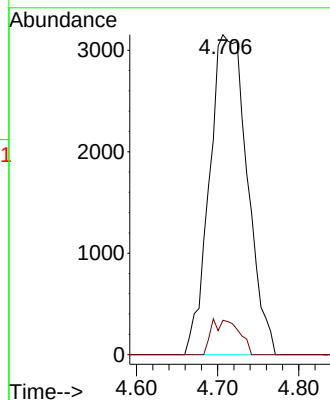
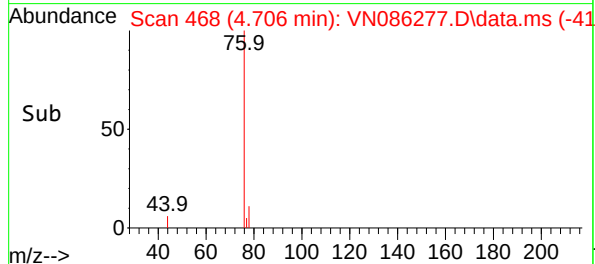
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion: 76 Resp: 1017
Ion Ratio Lower Upper
76 100
78 10.7 7.6 11.4

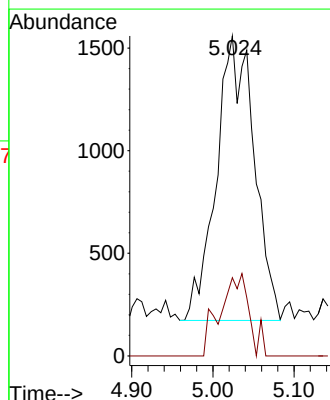
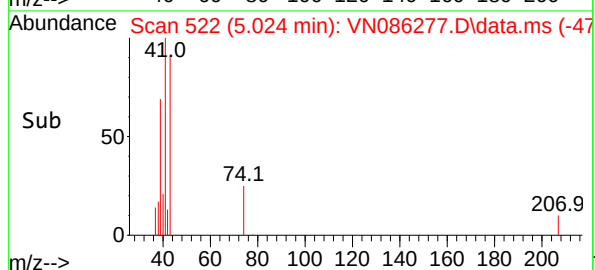
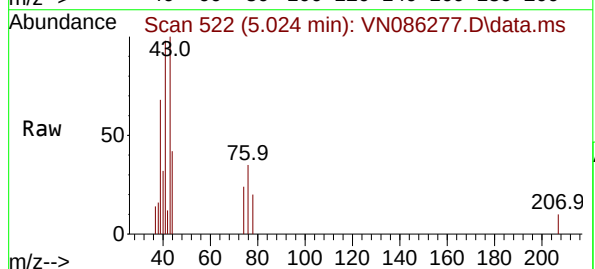
Manual Integrations
APPROVED

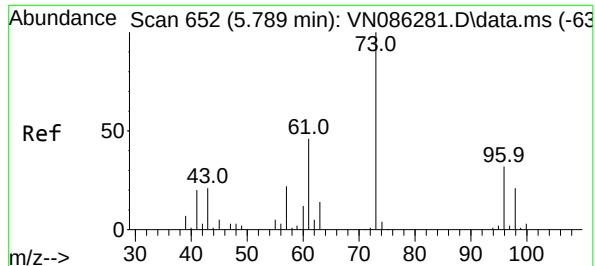
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#18
Methyl Acetate
Concen: 1.176 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

Tgt Ion: 43 Resp: 4481
Ion Ratio Lower Upper
43 100
74 20.9 19.8 29.6





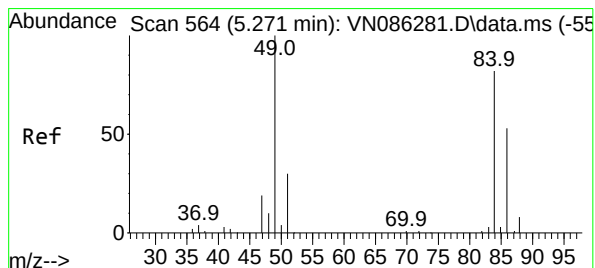
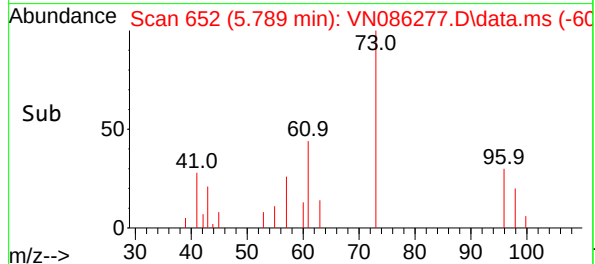
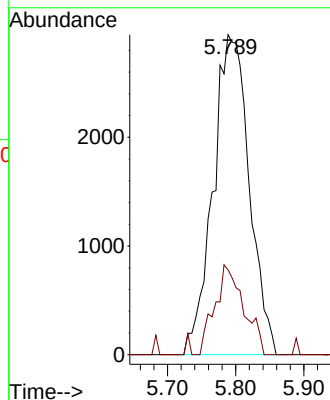
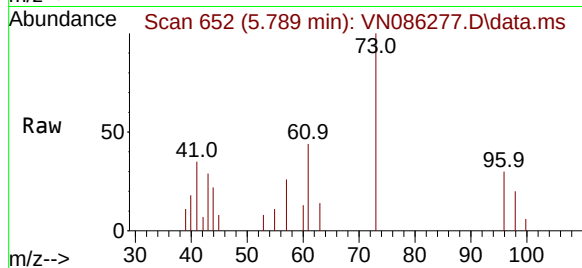
#19
Methyl tert-butyl Ether
Concen: 1.145 ug/l
RT: 5.789 min Scan# 652
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 73 Resp: 1084
Ion Ratio Lower Upper
73 100
57 26.5 17.6 26.4

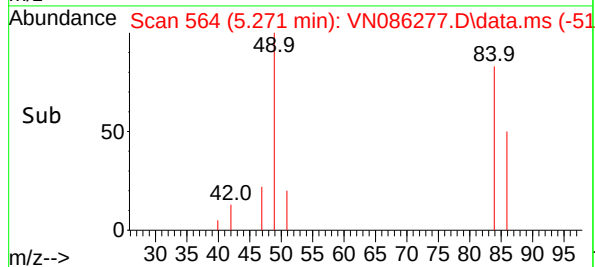
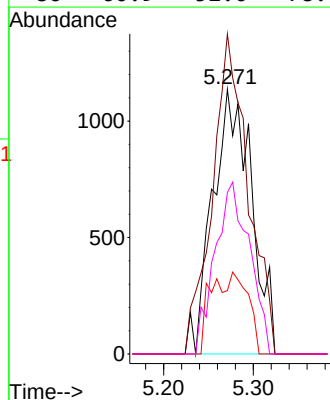
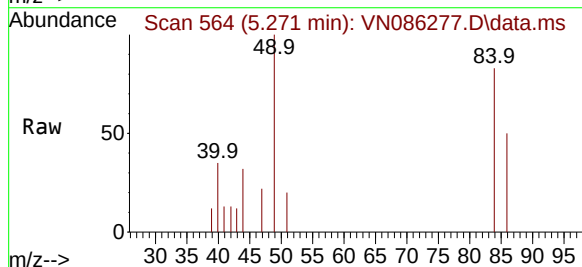
Manual Integrations
APPROVED

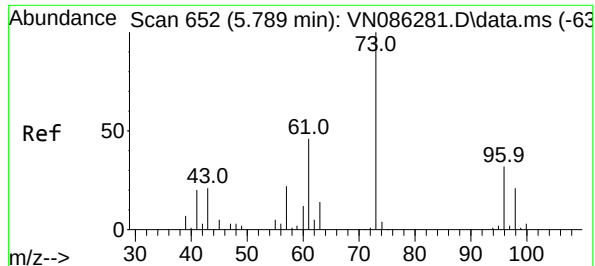
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#20
Methylene Chloride
Concen: 1.167 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

Tgt Ion: 84 Resp: 3423
Ion Ratio Lower Upper
84 100
49 120.8 98.2 147.2
51 23.9 29.8 44.6
86 60.9 52.0 78.0





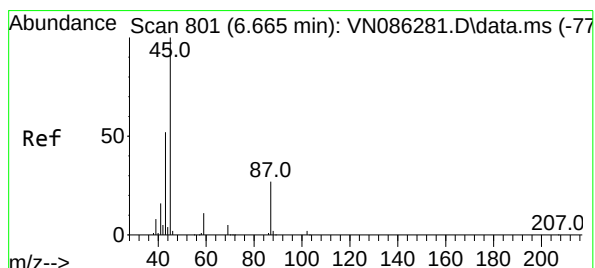
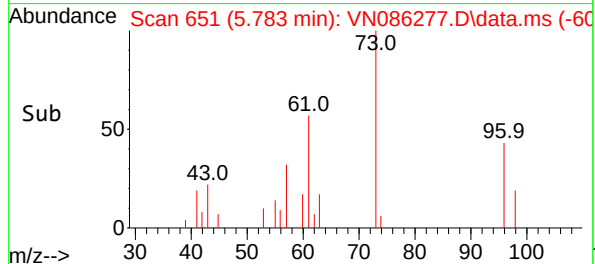
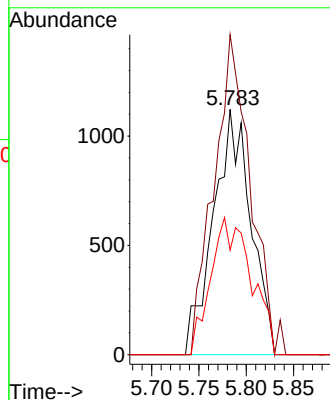
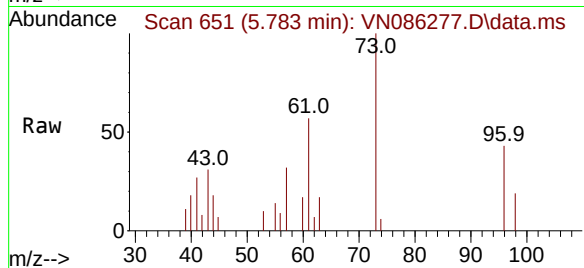
#21
trans-1,2-Dichloroethene
Concen: 1.143 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.006 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 96 Resp: 3079
Ion Ratio Lower Upper
96 100
61 130.5 114.6 171.8
98 42.7 51.2 76.8

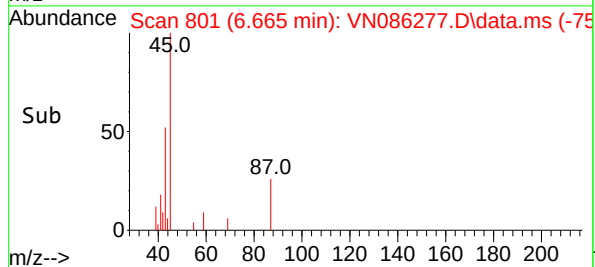
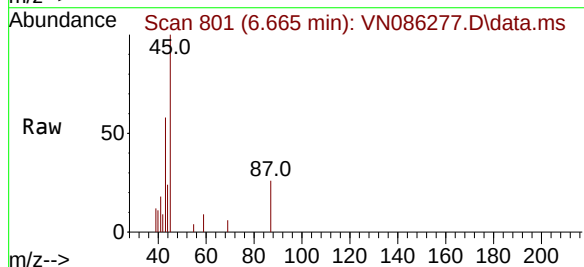
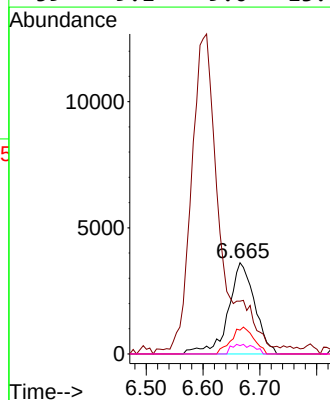
Manual Integrations
APPROVED

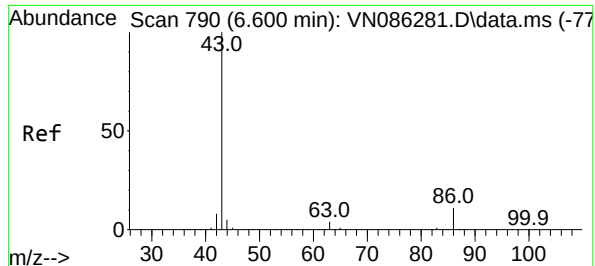
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#22
Diisopropyl ether
Concen: 1.169 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

Tgt Ion: 45 Resp: 11644
Ion Ratio Lower Upper
45 100
43 51.1 41.8 62.8
87 26.2 21.6 32.4
59 9.1 9.0 13.4





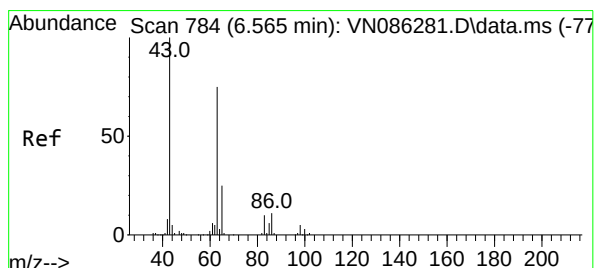
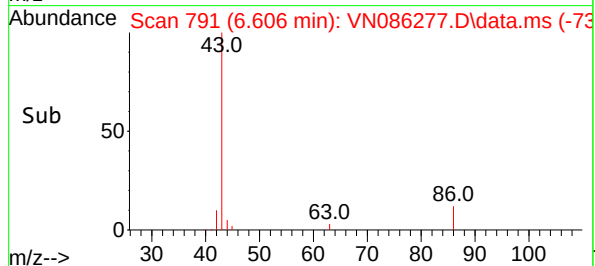
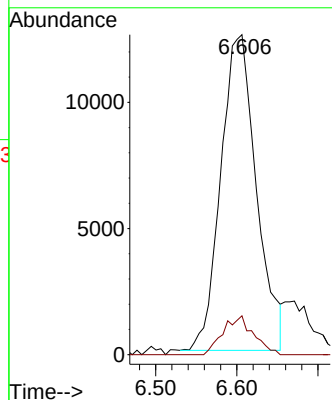
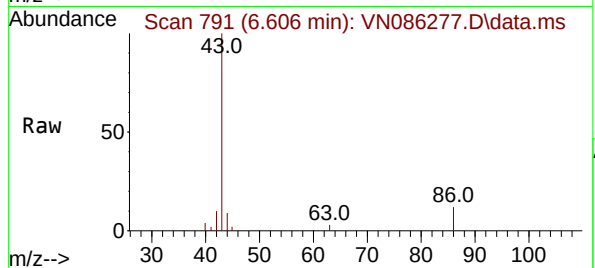
#23
Vinyl Acetate
Concen: 5.479 ug/l
RT: 6.606 min Scan# 790
Delta R.T. 0.006 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

Instrument :
MSVOA_N
Client Sample Id :
VSTDICC001

Tgt Ion: 43 Resp: 3814
Ion Ratio Lower Upper
43 100
86 12.3 8.6 13.0

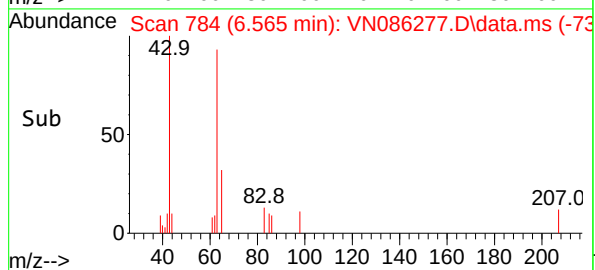
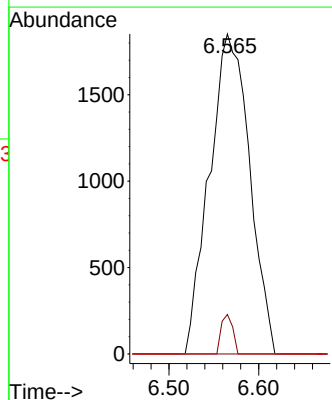
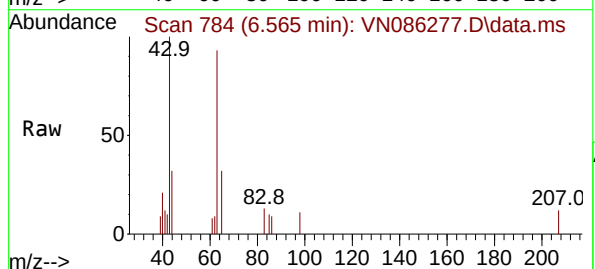
Manual Integrations
APPROVED

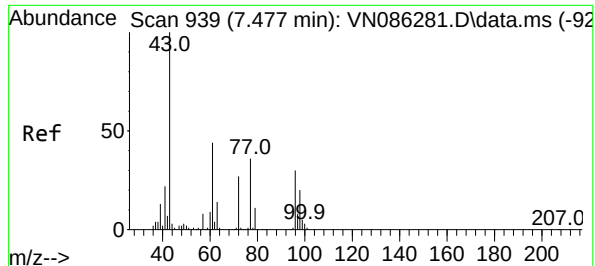
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#24
1,1-Dichloroethane
Concen: 1.095 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

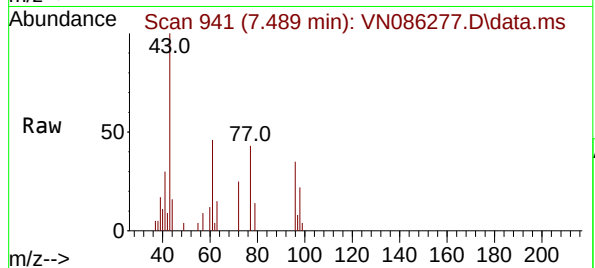
Tgt Ion: 63 Resp: 5756
Ion Ratio Lower Upper
63 100
98 12.3 3.4 10.2#
100 0.0 2.1 6.5#





#25
2-Butanone
Concen: 5.581 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

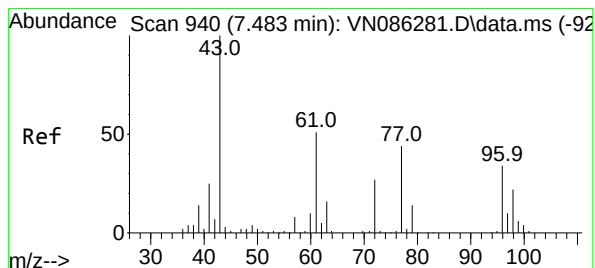
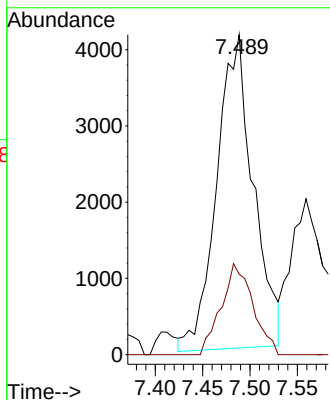
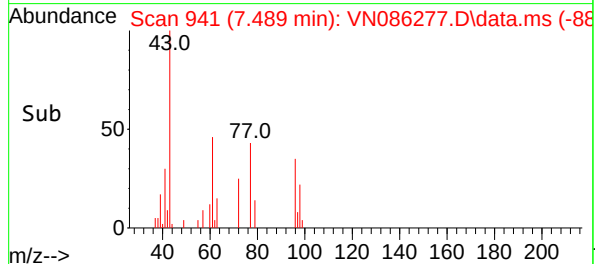
Instrument :
MSVOA_N
Client Sample Id :
VSTDIC001



Tgt Ion: 43 Resp: 1102
Ion Ratio Lower Upper
43 100
72 26.5 21.7 32.5

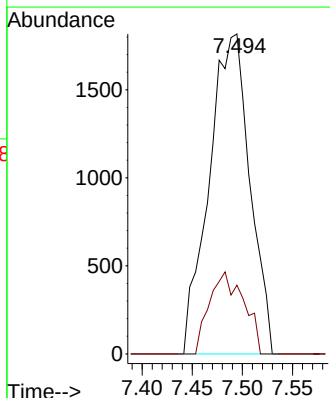
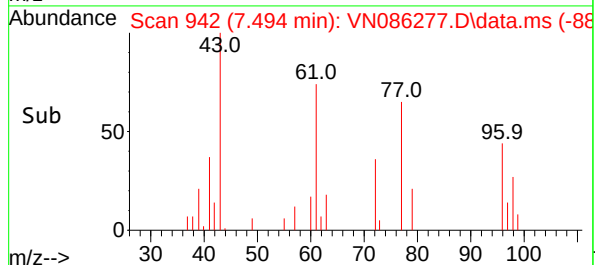
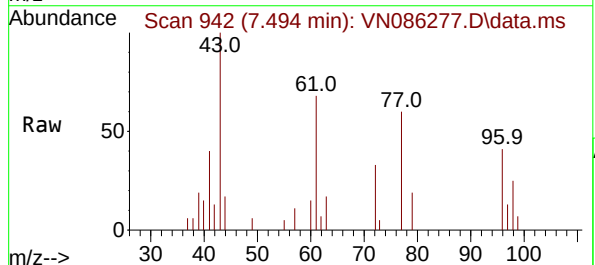
Manual Integrations
APPROVED

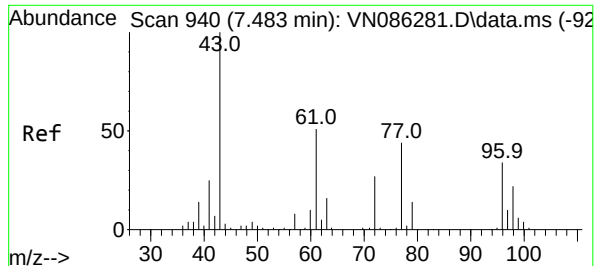
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#26
2,2-Dichloropropane
Concen: 1.092 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

Tgt Ion: 77 Resp: 5139
Ion Ratio Lower Upper
77 100
97 21.7 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 1.154 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 3859

Ion Ratio Lower Upper

96 100

61 133.8 0.0 299.0

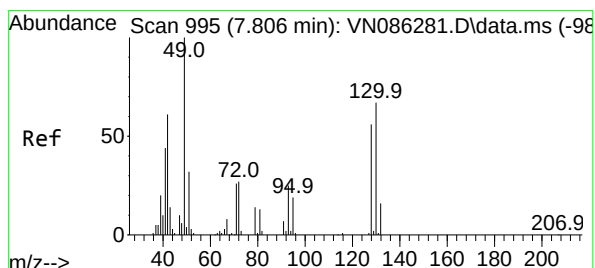
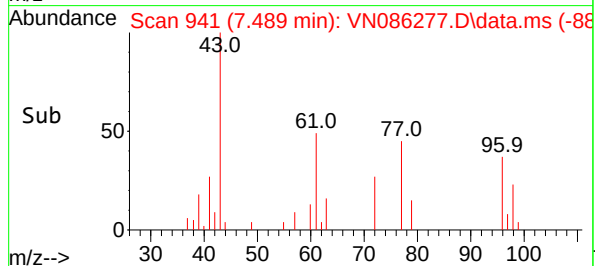
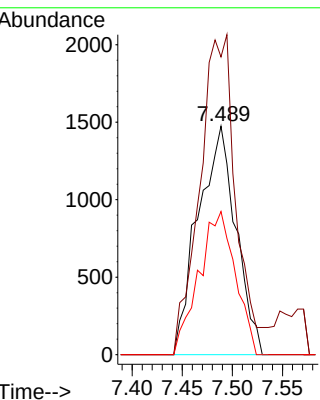
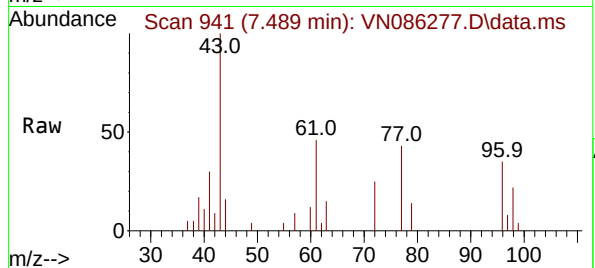
98 60.5 0.0 129.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#28

Bromochloromethane

Concen: 1.071 ug/l

RT: 7.800 min Scan# 994

Delta R.T. -0.006 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

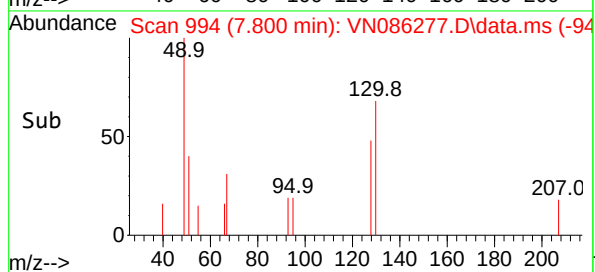
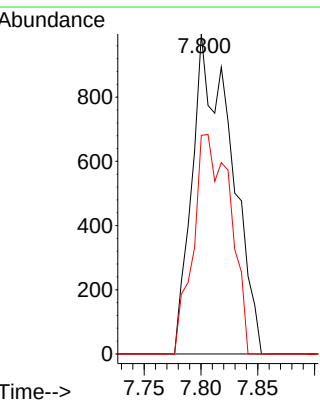
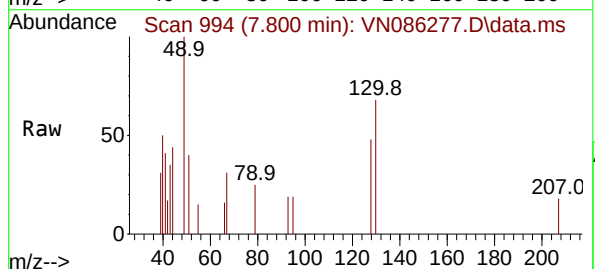
Tgt Ion: 49 Resp: 2387

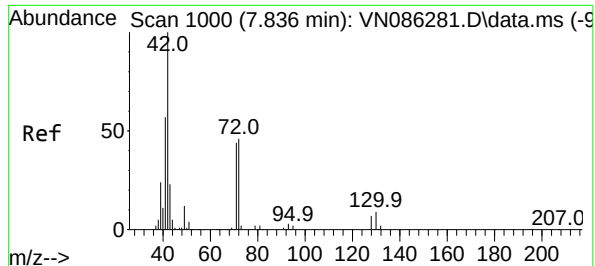
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.4

130 64.9 57.1 85.7





#29

Tetrahydrofuran

Concen: 5.577 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

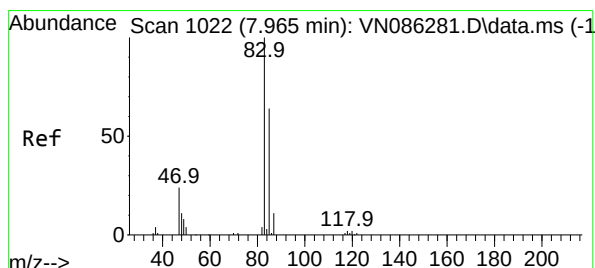
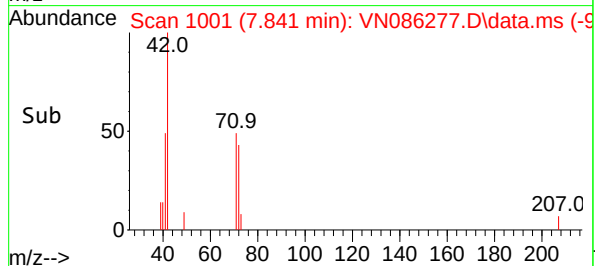
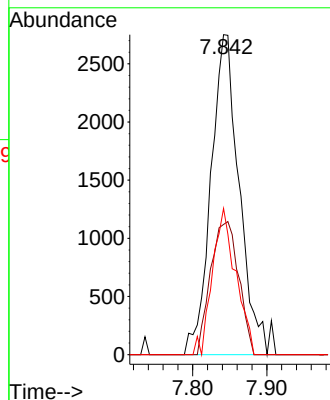
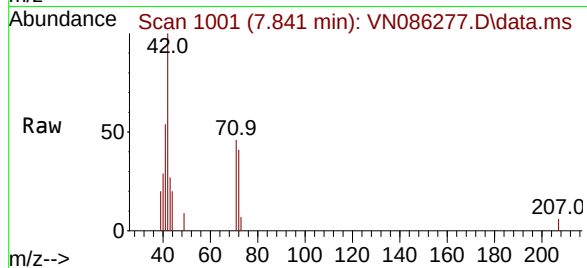
Tgt Ion:	42	Resp:	736
Ion	Ratio	Lower	Upper
42	100		
72	40.8	36.2	54.4
71	37.4	34.0	51.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#30

Chloroform

Concen: 1.118 ug/l

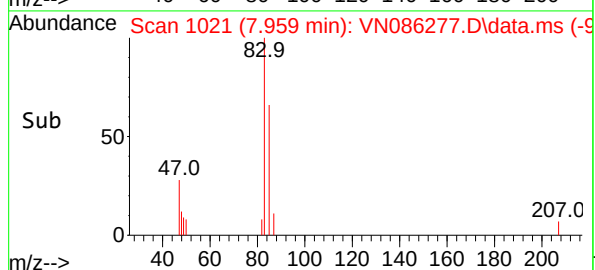
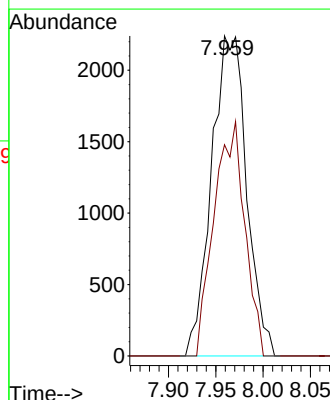
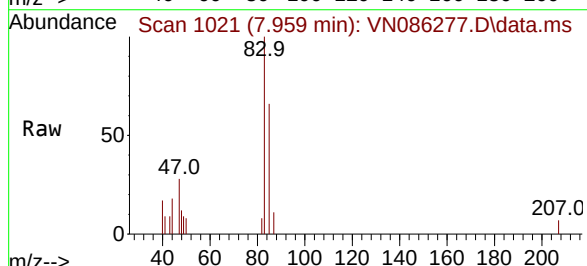
RT: 7.959 min Scan# 1021

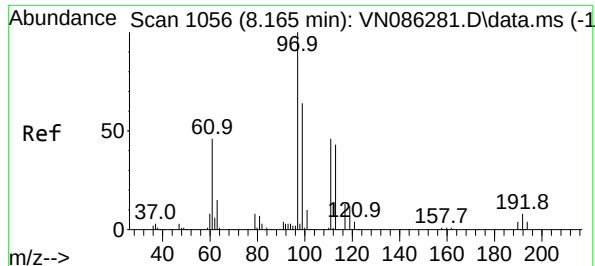
Delta R.T. -0.006 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

Tgt Ion:	83	Resp:	5771
Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.5	77.3





#32

1,1,1-Trichloroethane

Concen: 1.085 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Tgt Ion: 97 Resp: 4792

Ion Ratio Lower Upper

97 100

99 0.0 52.7 79.1

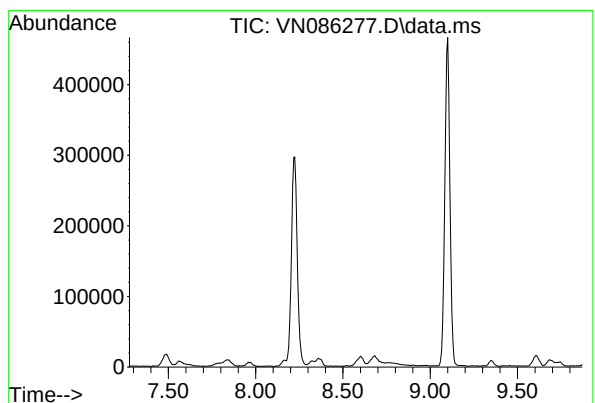
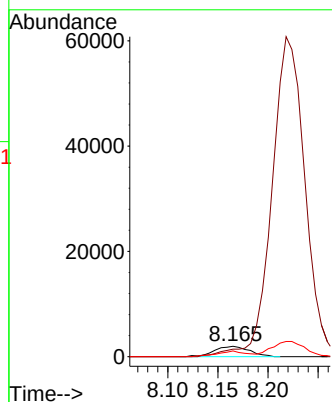
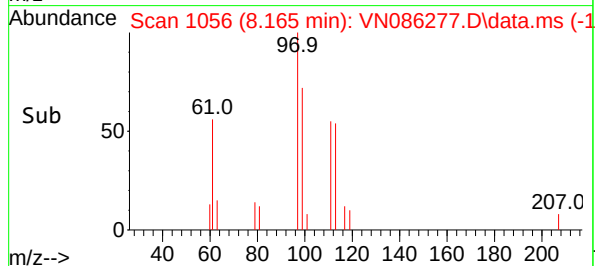
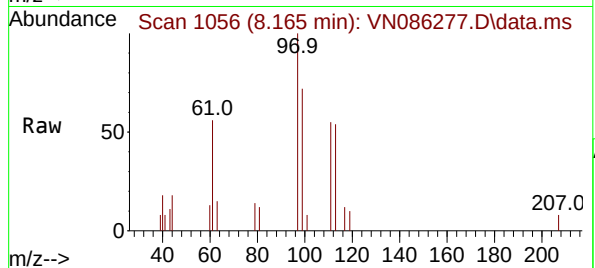
61 46.6 39.5 59.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.58 min

Lab File: VN086277.D

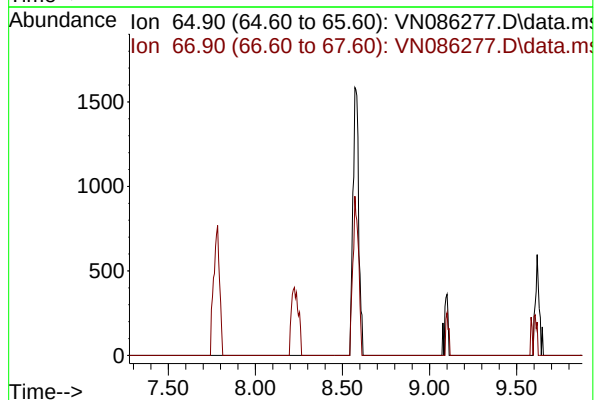
Acq: 15 Apr 2025 11:29

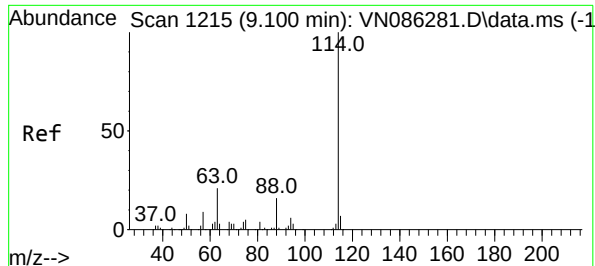
Tgt Ion: 65

Sig Exp Ratio

65 100

67 53.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:114 Resp: 404752

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

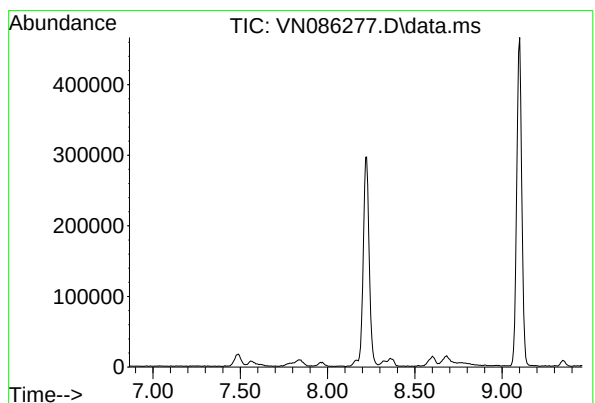
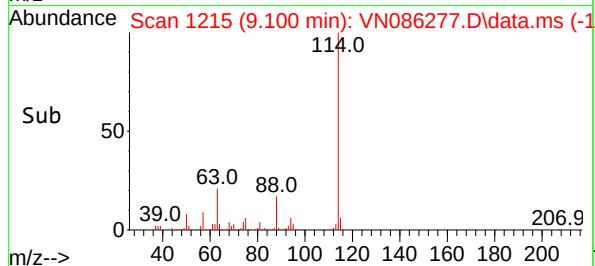
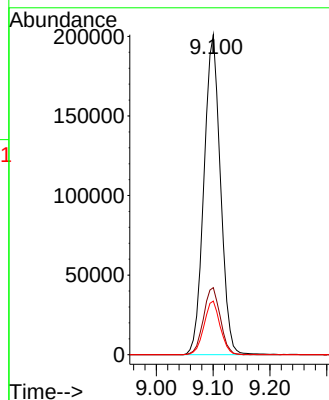
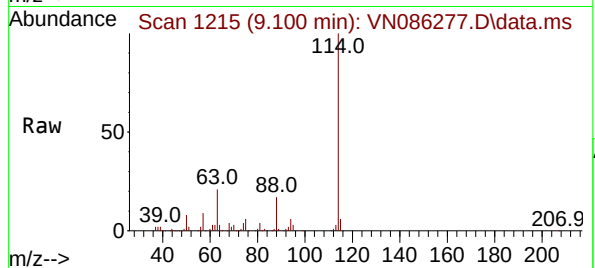
88 16.7 0.0 31.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 8.16 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

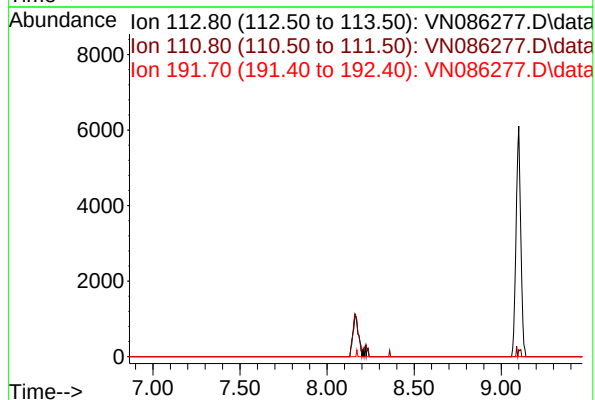
Tgt Ion: 113

Sig Exp Ratio

113 100

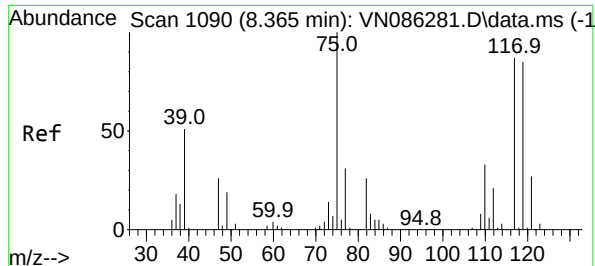
111 104.2

192 17.1



Ion 110.80 (110.50 to 111.50): VN086277.D\data.ms

Ion 191.70 (191.40 to 192.40): VN086277.D\data.ms



#36

1,1-Dichloropropene

Concen: 1.099 ug/l

RT: 8.371 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

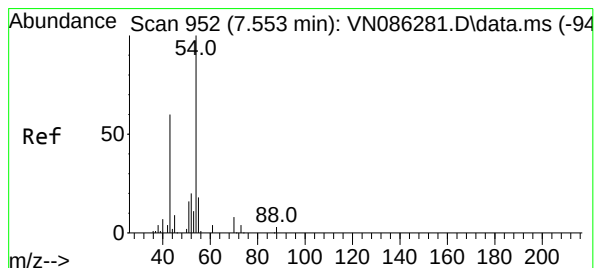
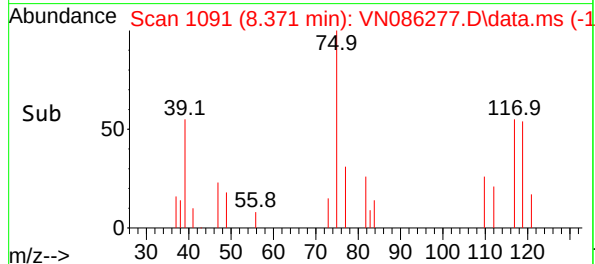
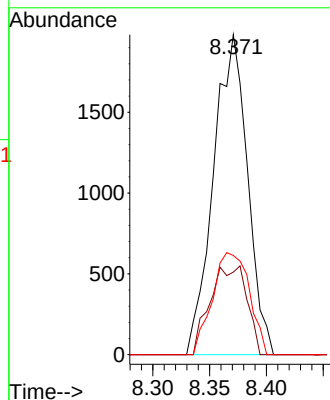
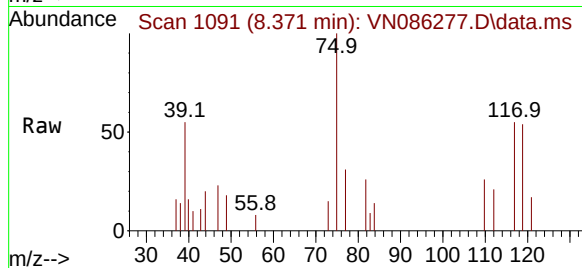
Tgt Ion:	75	Resp:	412
Ion	Ratio	Lower	Upper
75	100		
110	30.0	16.8	50.4
77	34.7	24.9	37.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#37

Ethyl Acetate

Concen: 1.198 ug/l

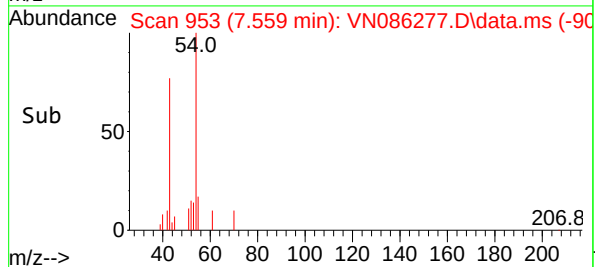
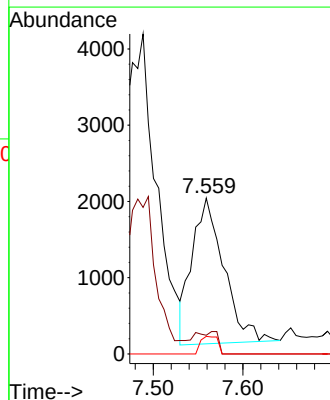
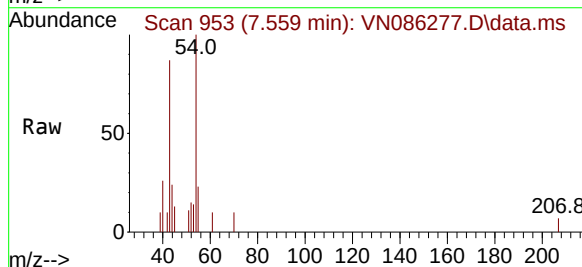
RT: 7.559 min Scan# 953

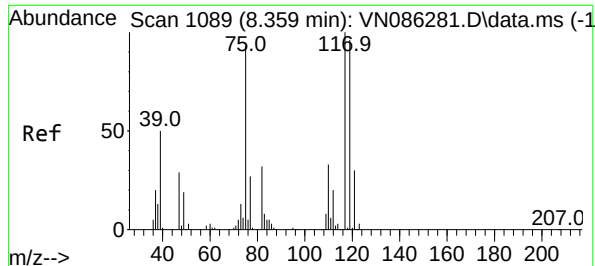
Delta R.T. 0.006 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

Tgt Ion:	43	Resp:	4732
Ion	Ratio	Lower	Upper
43	100		
61	11.6	11.1	16.7
70	6.4	9.2	13.8





#38

Carbon Tetrachloride

Concen: 1.066 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

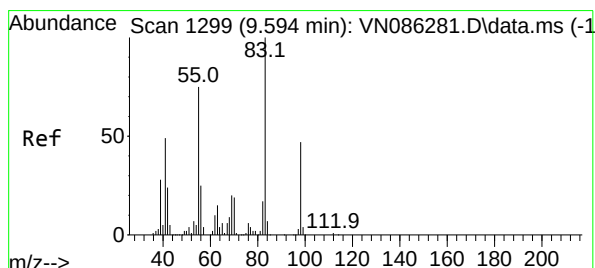
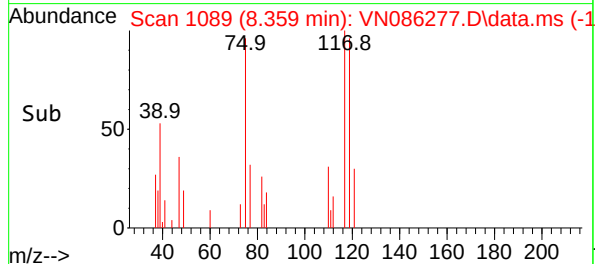
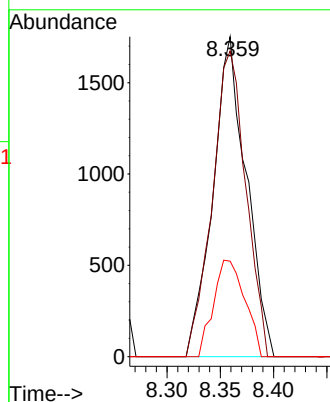
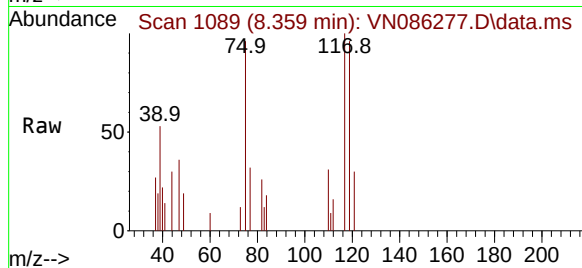
Tgt Ion:	117	Resp:	380
Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.8	115.2
121	29.9	23.8	35.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#39

Methylcyclohexane

Concen: 1.110 ug/l

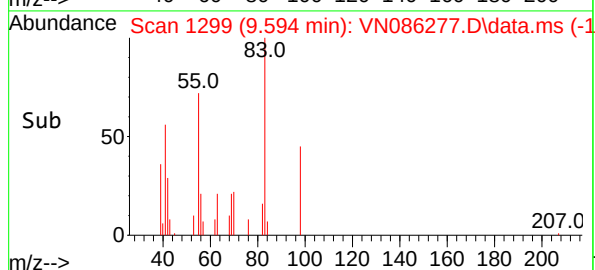
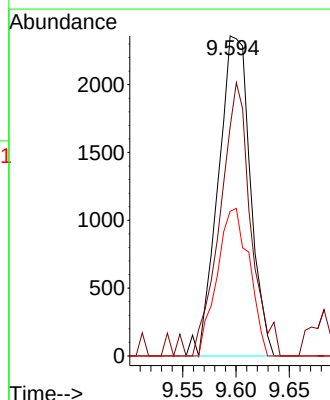
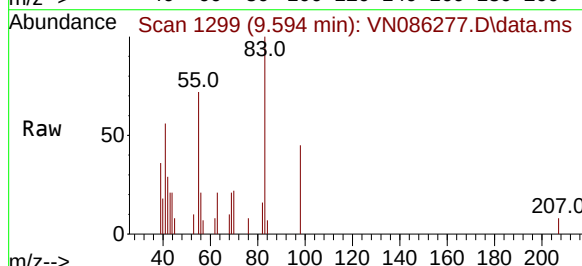
RT: 9.594 min Scan# 1299

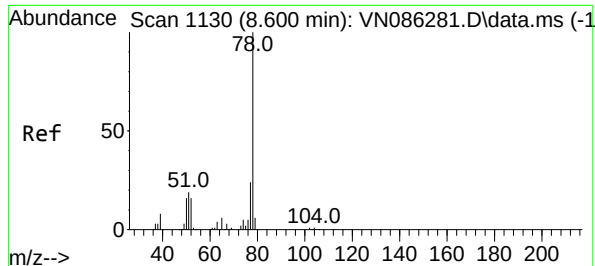
Delta R.T. 0.000 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

Tgt Ion:	83	Resp:	4950
Ion	Ratio	Lower	Upper
83	100		
55	71.5	59.8	89.8
98	45.2	37.9	56.9





#40

Benzene

Concen: 1.110 ug/l

RT: 8.606 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 78 Resp: 13340

Ion Ratio Lower Upper

78 100

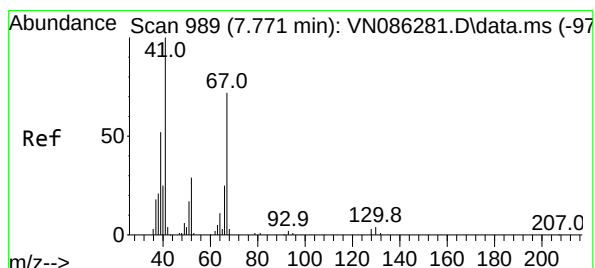
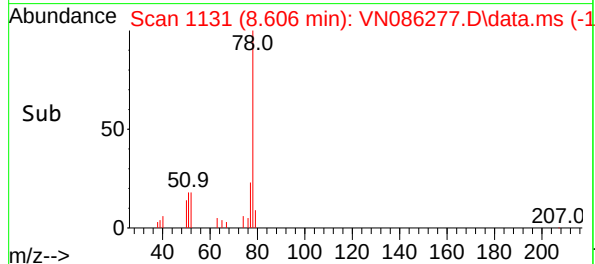
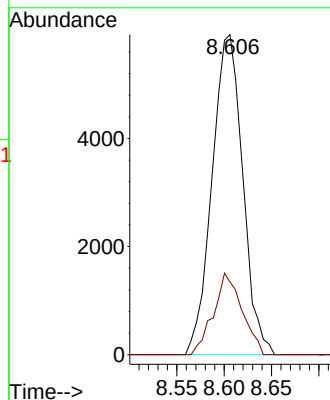
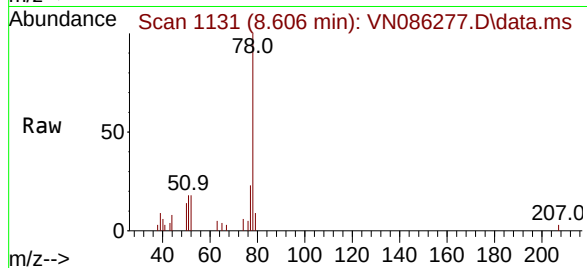
77 22.8 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#41

Methacrylonitrile

Concen: 1.158 ug/l

RT: 7.765 min Scan# 988

Delta R.T. -0.006 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

Tgt Ion: 41 Resp: 2651

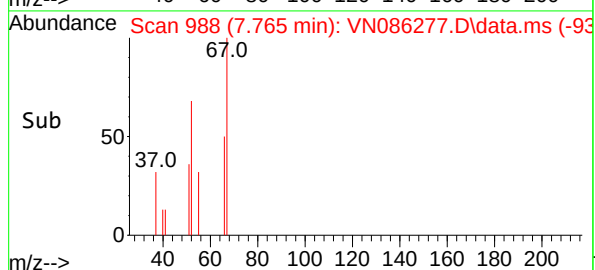
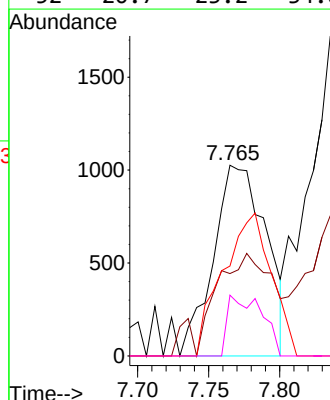
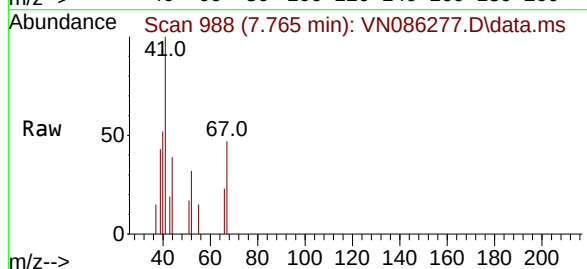
Ion Ratio Lower Upper

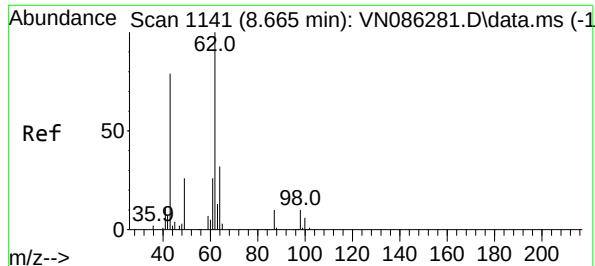
41 100

39 55.5 43.0 64.4

67 68.9 58.8 88.2

52 20.7 23.2 34.8#





#42

1,2-Dichloroethane

Concen: 1.111 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.000 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 62 Resp: 4258

Ion Ratio Lower Upper

62 100

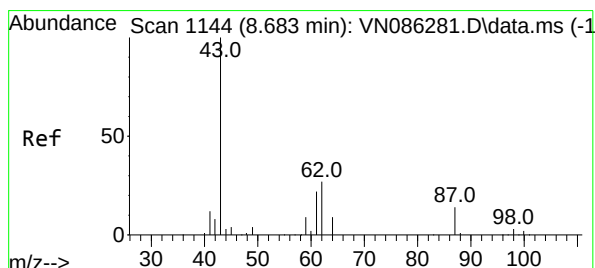
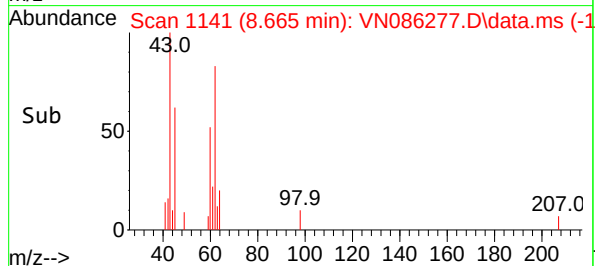
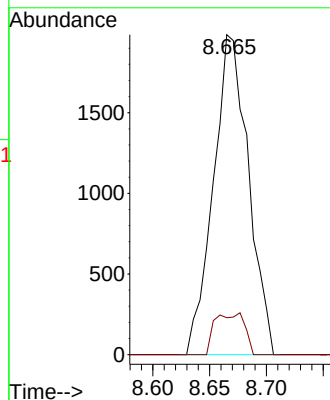
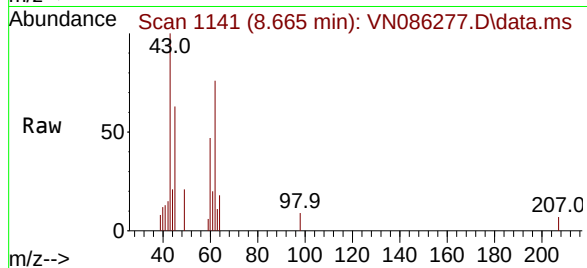
98 11.0 0.0 19.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#43

Isopropyl Acetate

Concen: 0.619 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

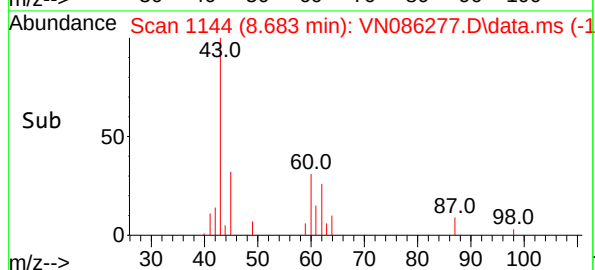
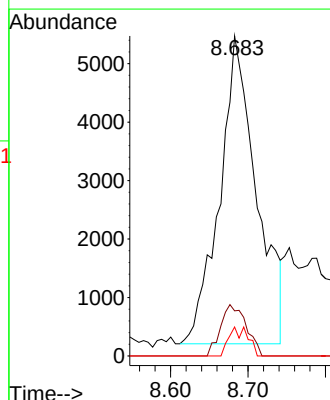
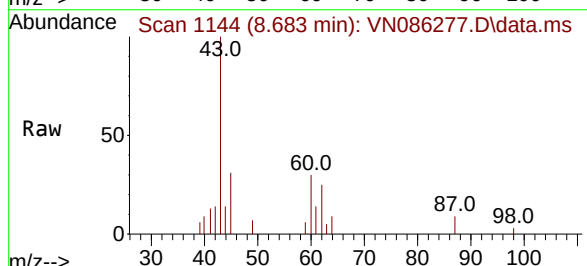
Tgt Ion: 43 Resp: 17444

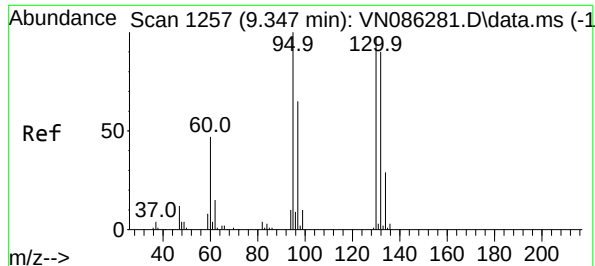
Ion Ratio Lower Upper

43 100

61 11.6 20.5 30.7#

87 4.9 10.5 15.7#





#44

Trichloroethene

Concen: 1.108 ug/l

RT: 9.353 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Tgt Ion:130 Resp: 315

Ion Ratio Lower Upper

130 100

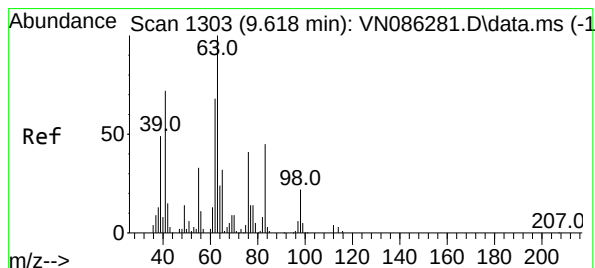
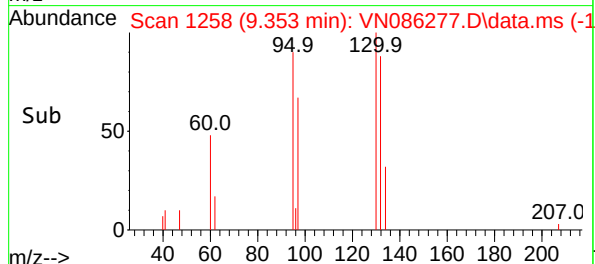
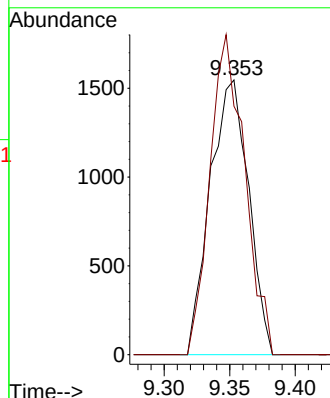
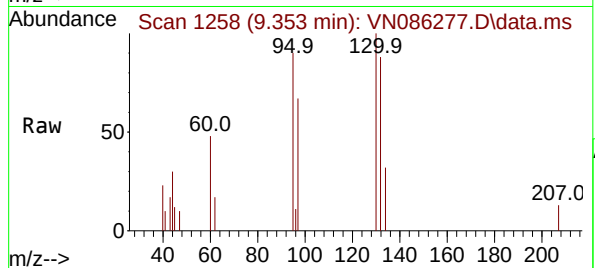
95 90.4 0.0 207.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#45

1,2-Dichloropropane

Concen: 1.041 ug/l

RT: 9.612 min Scan# 1302

Delta R.T. -0.006 min

Lab File: VN086277.D

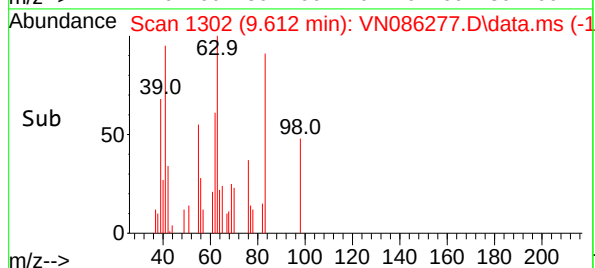
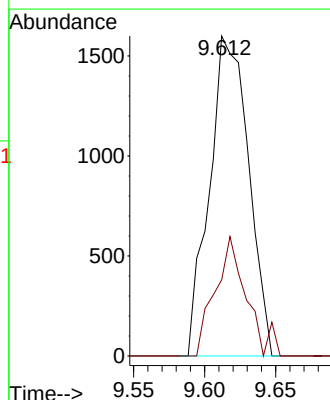
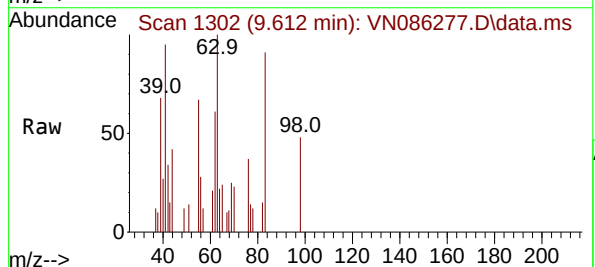
Acq: 15 Apr 2025 11:29

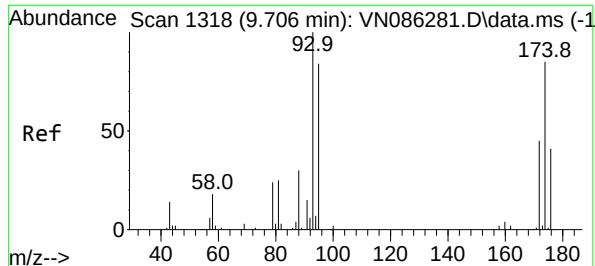
Tgt Ion: 63 Resp: 3063

Ion Ratio Lower Upper

63 100

65 23.8 25.4 38.2#





#46

Dibromomethane

Concen: 1.009 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 93 Resp: 189

Ion Ratio Lower Upper

93 100

95 92.9 66.2 99.4

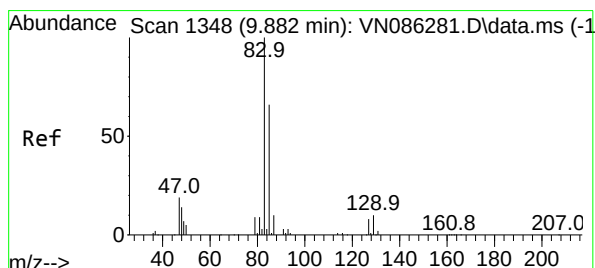
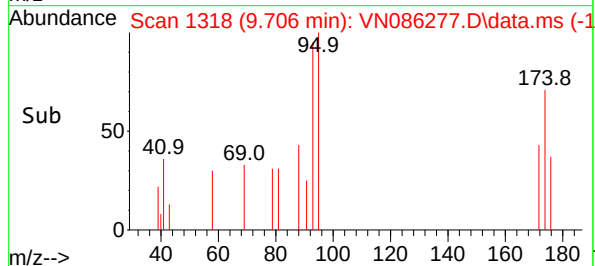
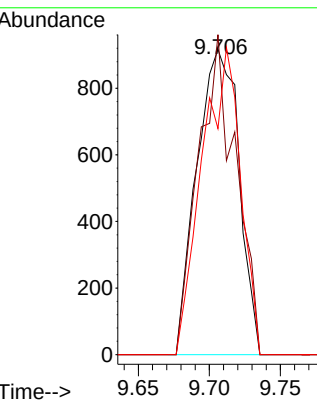
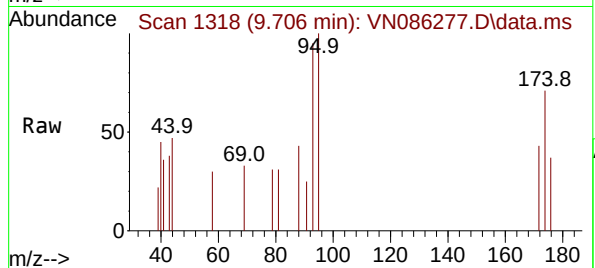
174 91.8 67.8 101.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#47

Bromodichloromethane

Concen: 1.062 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.006 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

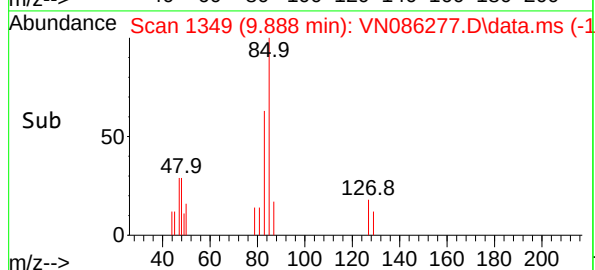
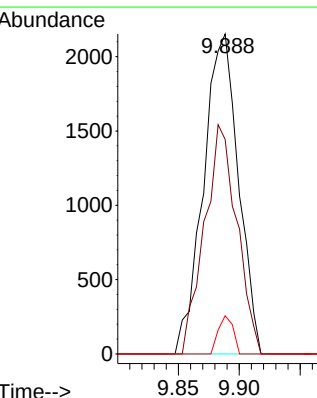
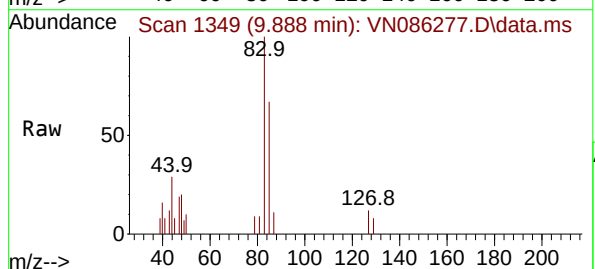
Tgt Ion: 83 Resp: 4302

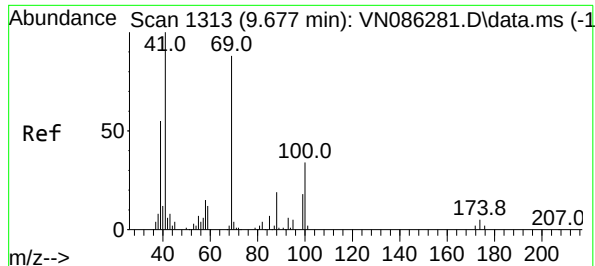
Ion Ratio Lower Upper

83 100

85 67.1 52.6 78.8

127 11.9 6.1 9.1#





#48

Methyl methacrylate

Concen: 1.206 ug/l

RT: 9.683 min Scan# 1313

Delta R.T. 0.006 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

Instrument :

MSVOA_N

ClientSampleId :

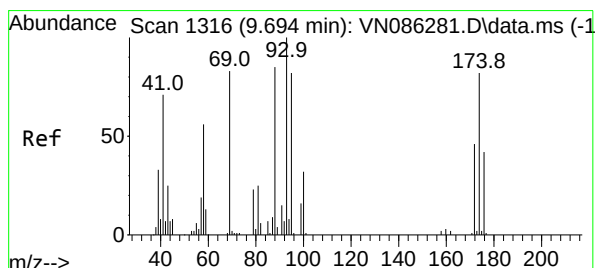
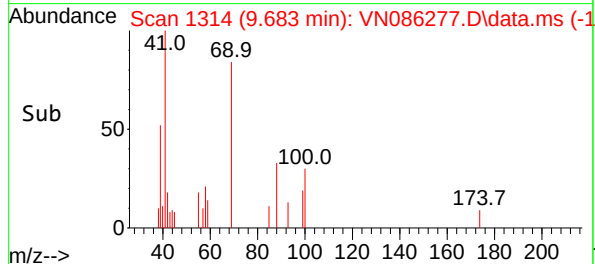
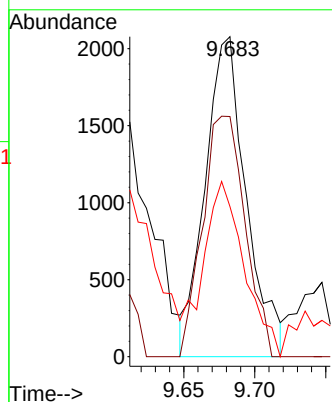
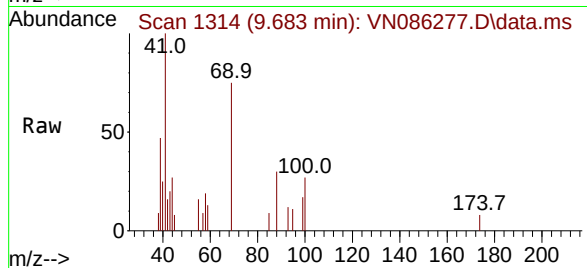
VSTDIC001

Tgt Ion:	41	Resp:	418
Ion	Ratio	Lower	Upper
41	100		
69	77.7	68.2	102.2
39	54.6	45.2	67.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#49

1,4-Dioxane

Concen: 25.032 ug/l

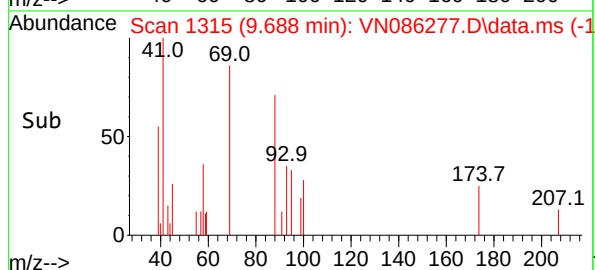
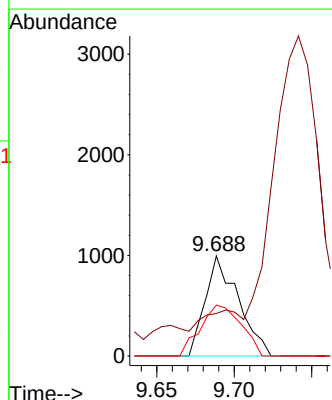
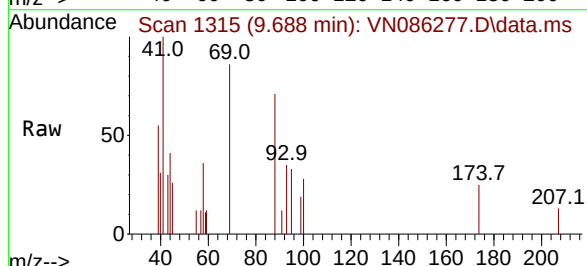
RT: 9.688 min Scan# 1315

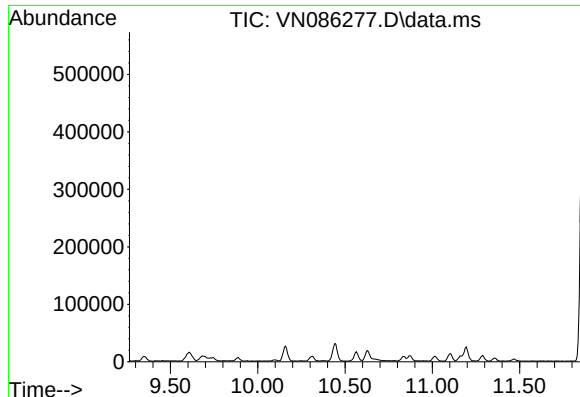
Delta R.T. -0.006 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

Tgt Ion:	88	Resp:	1477
Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.8	35.8
58	62.7	57.4	86.2





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.56 min

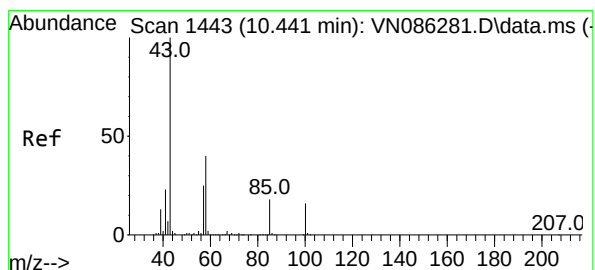
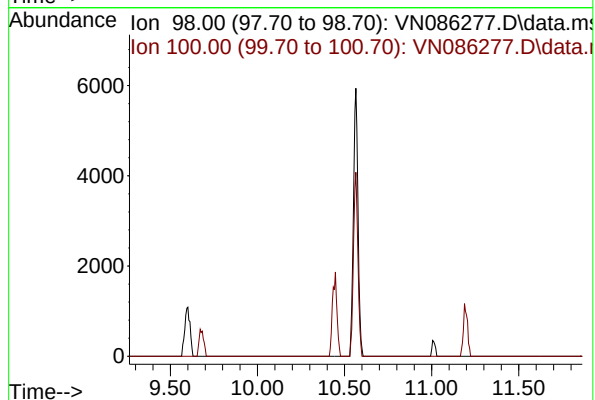
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 98
Sig Exp Ratio
98 100
100 65.6

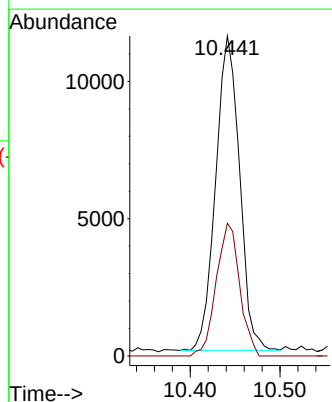
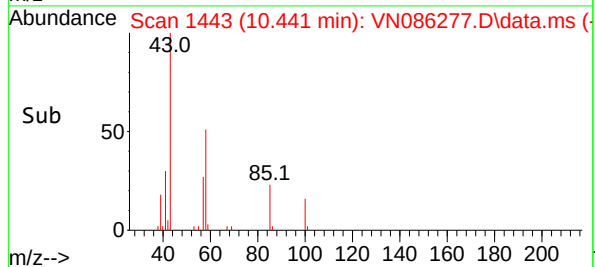
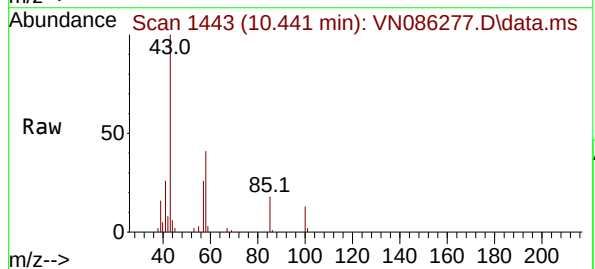
Manual Integrations
APPROVED

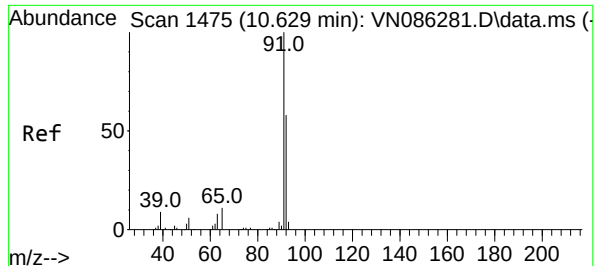
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#51
4-Methyl-2-Pentanone
Concen: 5.227 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

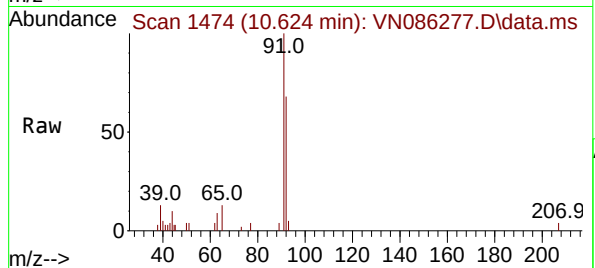
Tgt Ion: 43 Resp: 21143
Ion Ratio Lower Upper
43 100
58 41.3 32.2 48.4





#52
Toluene
Concen: 1.083 ug/l
RT: 10.624 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

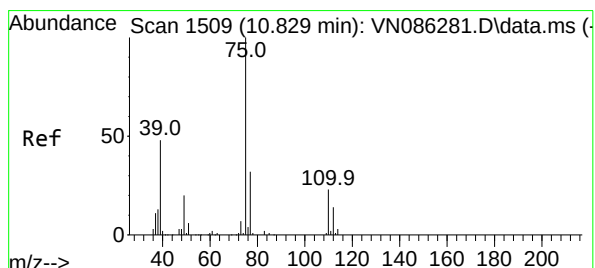
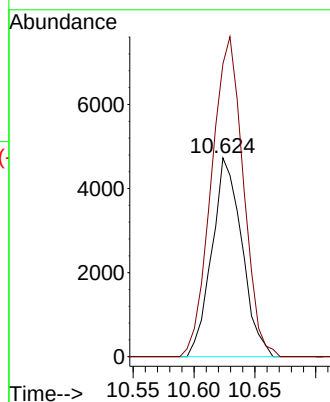
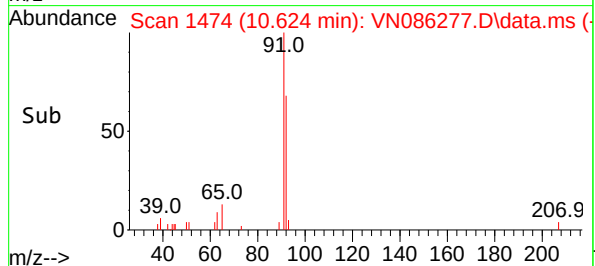
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



Tgt Ion: 92 Resp: 8120
Ion Ratio Lower Upper
92 100
91 170.7 137.3 205.9

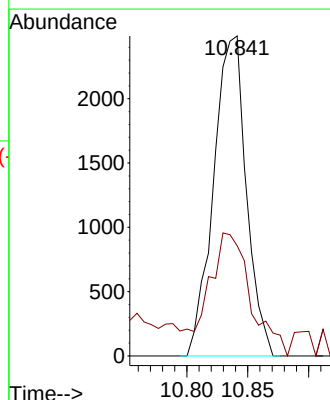
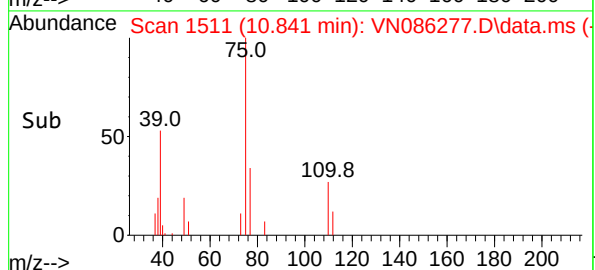
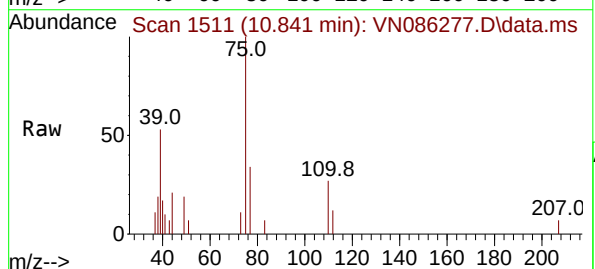
Manual Integrations
APPROVED

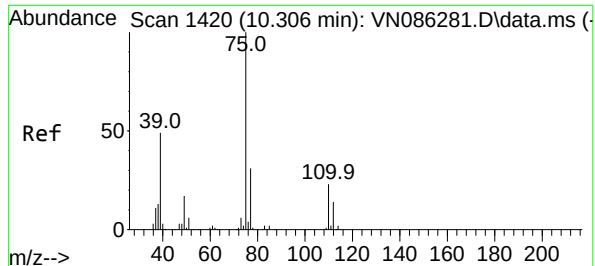
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#53
t-1,3-Dichloropropene
Concen: 1.032 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.012 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

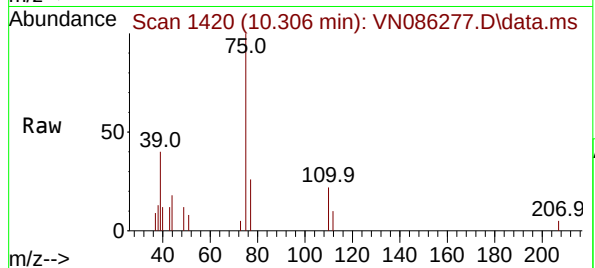
Tgt Ion: 75 Resp: 4663
Ion Ratio Lower Upper
75 100
77 28.0 25.4 38.0





#54
cis-1,3-Dichloropropene
Concen: 1.107 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

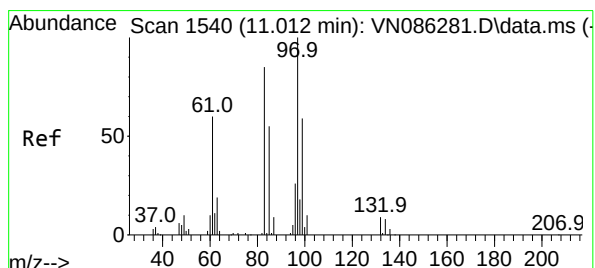
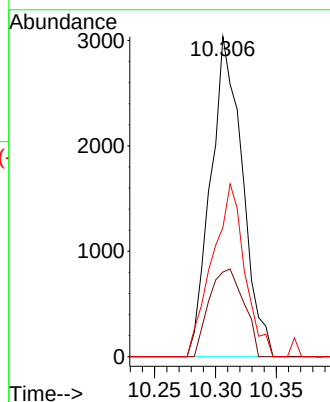
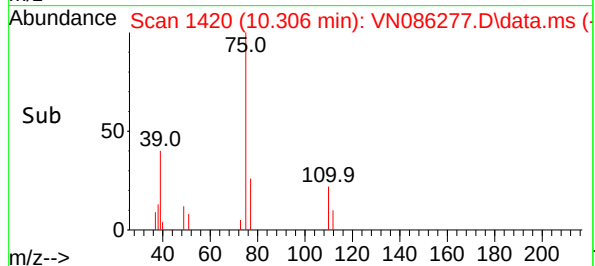
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion: 75 Resp: 549
Ion Ratio Lower Upper
75 100
77 26.4 25.2 37.8
39 40.4 39.3 58.9

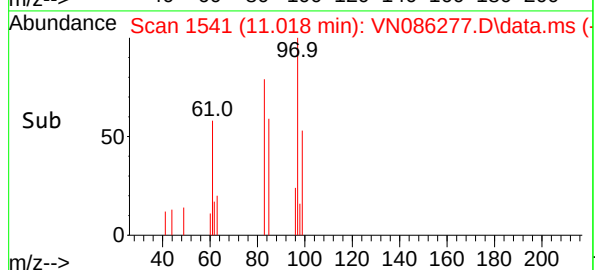
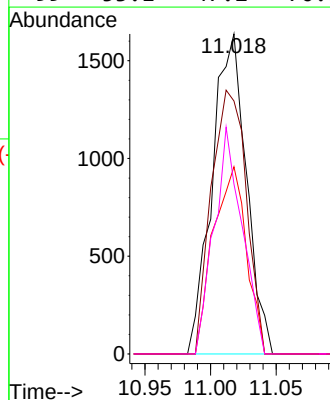
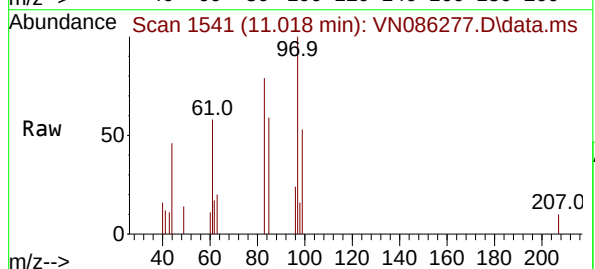
Manual Integrations
APPROVED

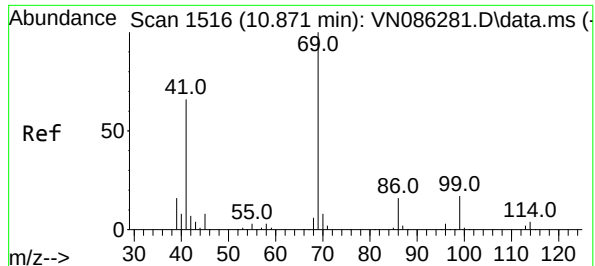
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#55
1,1,2-Trichloroethane
Concen: 1.099 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

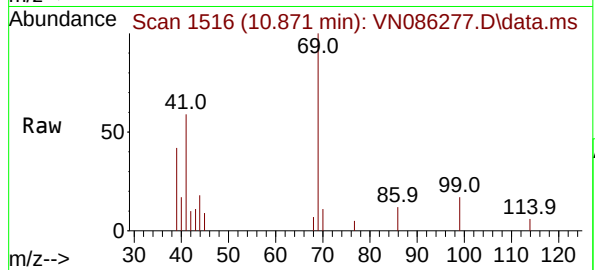
Tgt Ion: 97 Resp: 2967
Ion Ratio Lower Upper
97 100
83 79.0 68.4 102.6
85 58.5 43.9 65.9
99 53.1 47.2 70.8





#56
Ethyl methacrylate
Concen: 1.090 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

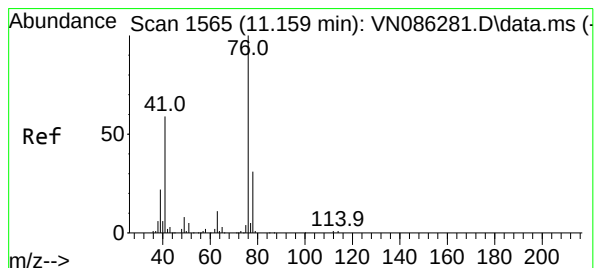
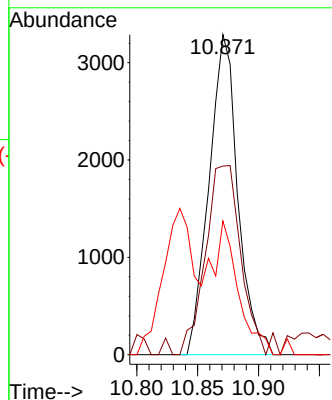
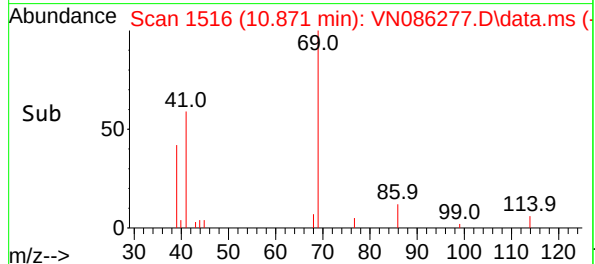
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion: 69 Resp: 5409
Ion Ratio Lower Upper
69 100
41 72.0 51.7 77.5
39 38.9 26.3 39.5

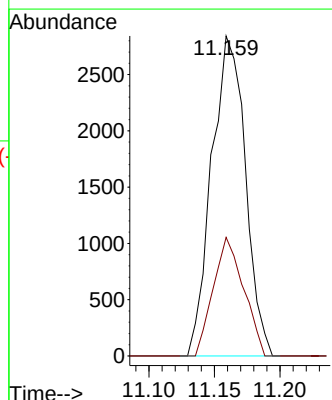
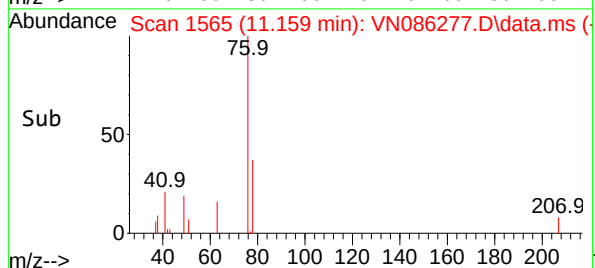
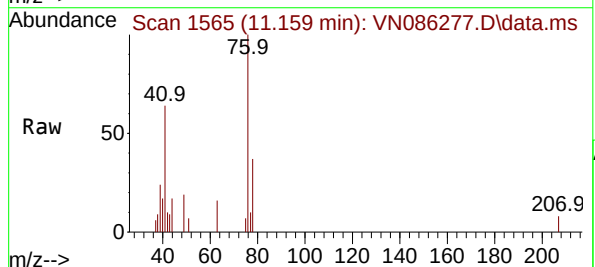
Manual Integrations
APPROVED

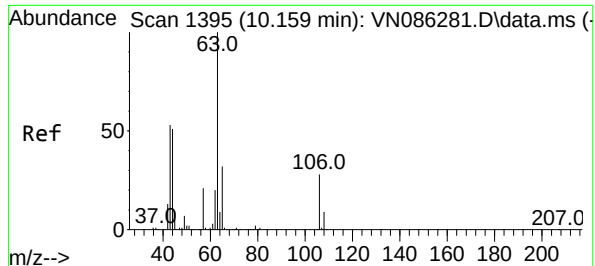
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#57
1,3-Dichloropropane
Concen: 1.063 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

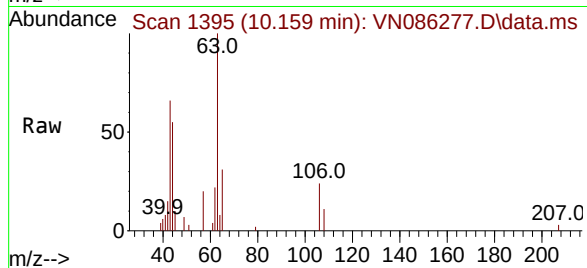
Tgt Ion: 76 Resp: 5091
Ion Ratio Lower Upper
76 100
78 33.3 25.6 38.4





#58
2-Chloroethyl Vinyl ether
Concen: 5.048 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

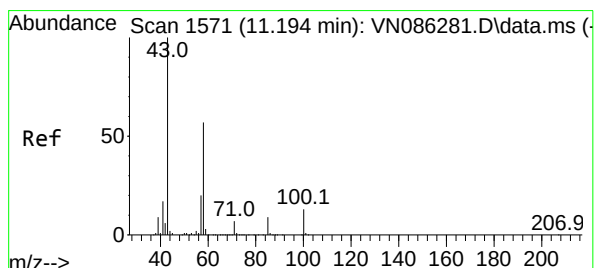
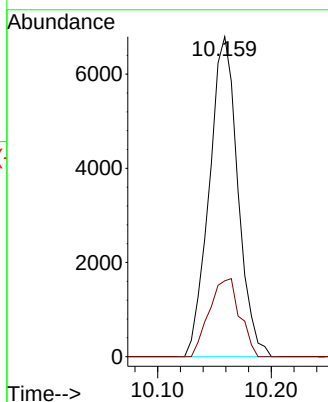
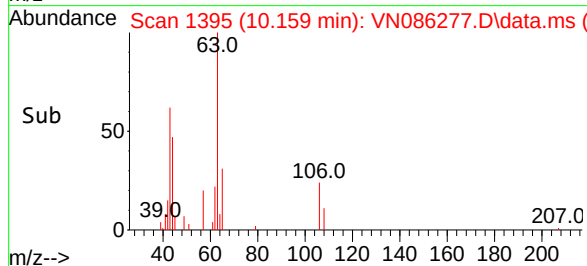
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion: 63 Resp: 1188
Ion Ratio Lower Upper
63 100
106 26.0 22.2 33.2

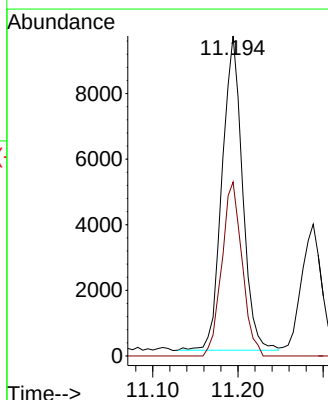
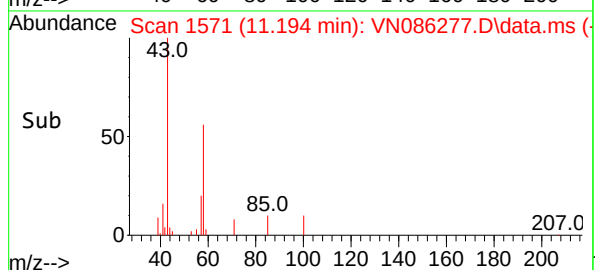
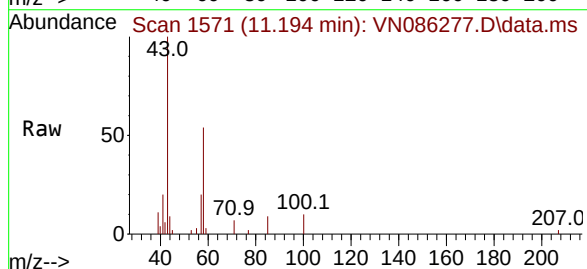
Manual Integrations
APPROVED

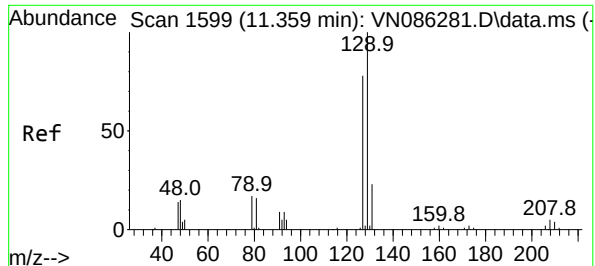
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#59
2-Hexanone
Concen: 5.315 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

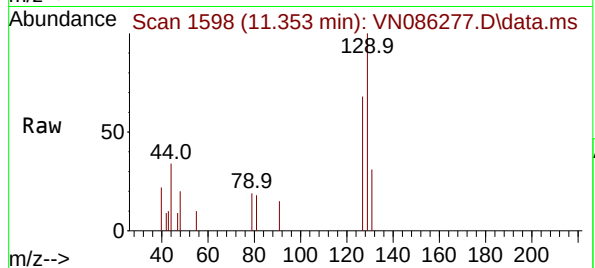
Tgt Ion: 43 Resp: 15945
Ion Ratio Lower Upper
43 100
58 54.9 28.3 85.0





#60
Dibromochloromethane
Concen: 1.031 ug/l
RT: 11.353 min Scan# 1135
Delta R.T. -0.006 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

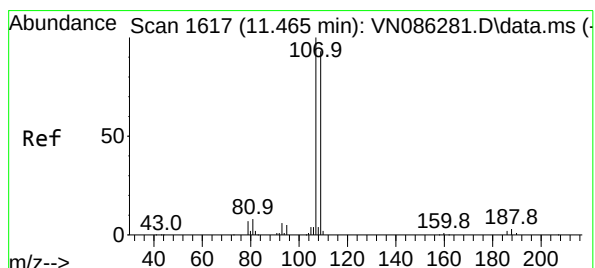
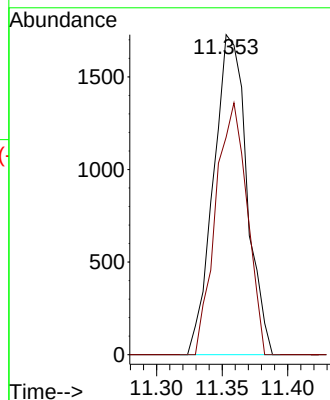
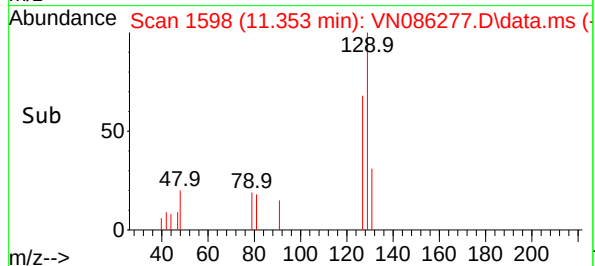
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



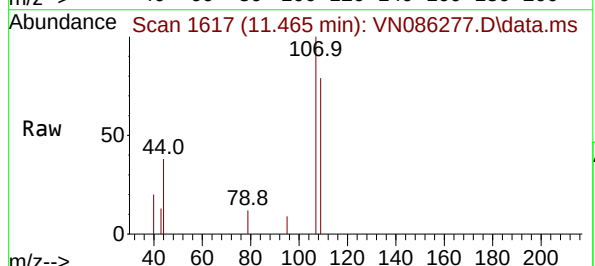
Tgt Ion:129 Resp: 3054
Ion Ratio Lower Upper
129 100
127 74.0 38.7 116.1

Manual Integrations
APPROVED

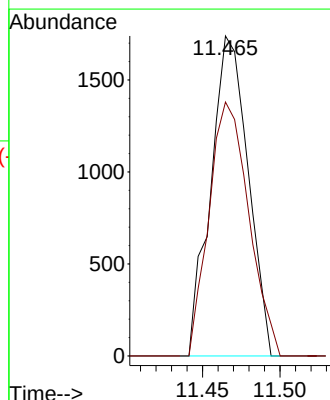
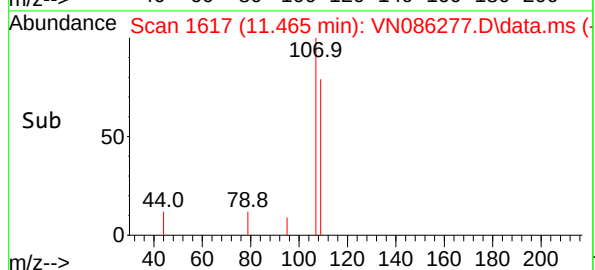
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

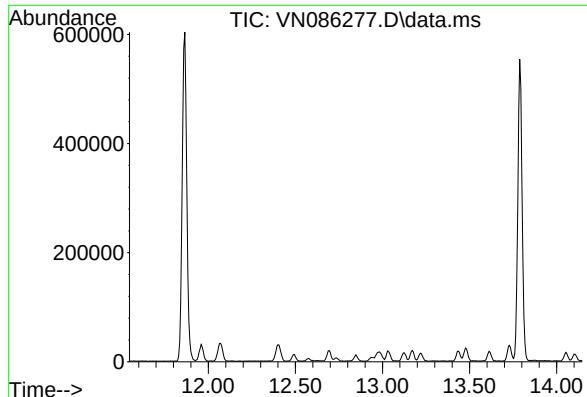


#61
1,2-Dibromoethane
Concen: 1.068 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29



Tgt Ion:107 Resp: 2908
Ion Ratio Lower Upper
107 100
109 84.7 75.4 113.0





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

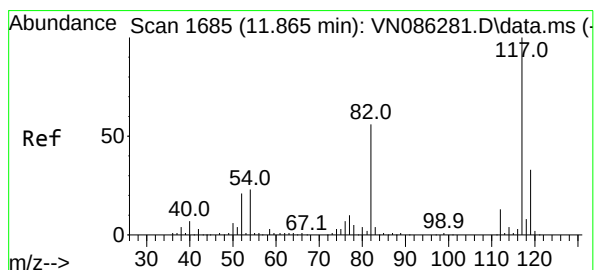
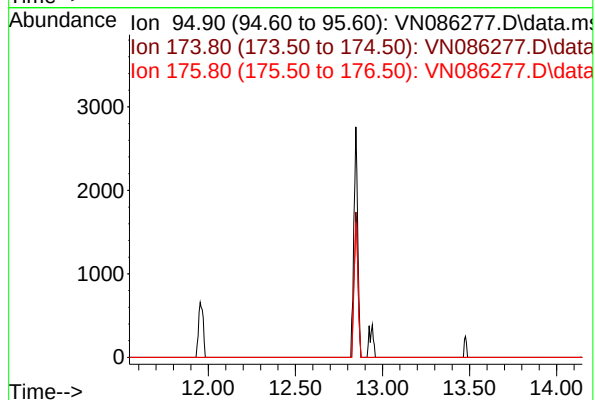
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

Tgt Ion: 95
Sig Exp Ratio
95 100
174 66.7
176 64.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

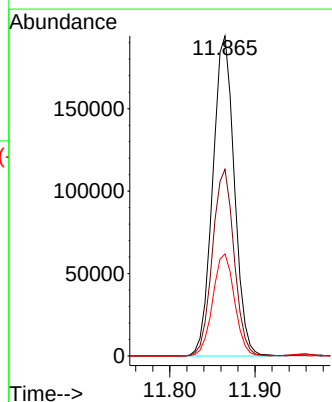
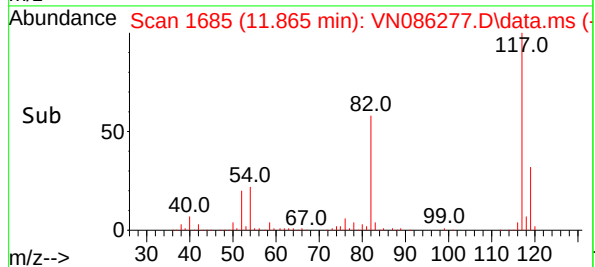
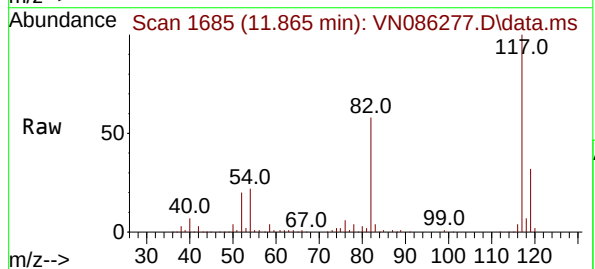
Manual Integrations
APPROVED

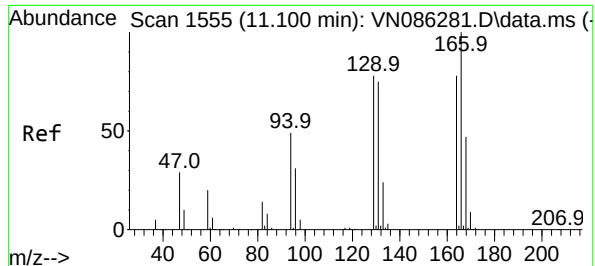
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

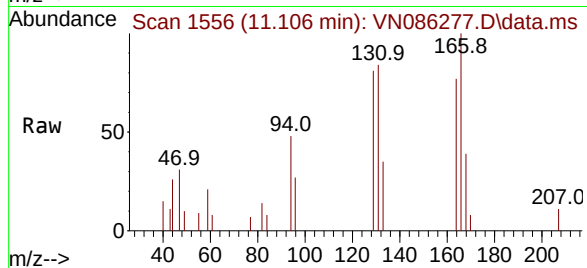
Tgt Ion:117 Resp: 341637
Ion Ratio Lower Upper
117 100
82 58.3 44.7 67.1
119 31.9 26.4 39.6





#64
Tetrachloroethene
Concen: 1.090 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

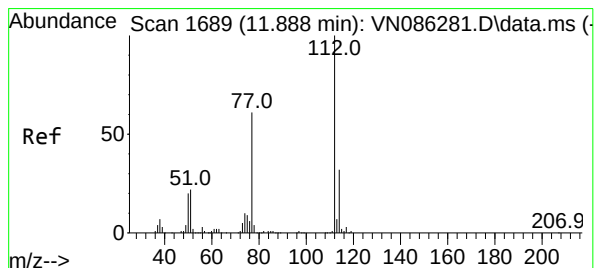
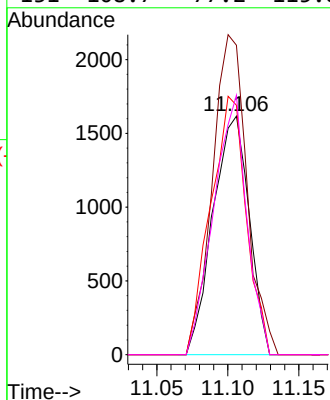
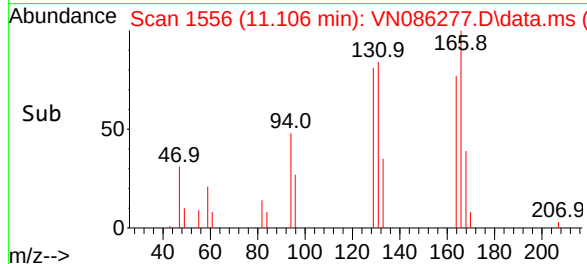
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



Tgt Ion:164 Resp: 2864
Ion Ratio Lower Upper
164 100
166 129.7 103.0 154.4
129 104.6 80.1 120.1
131 108.7 77.2 115.8

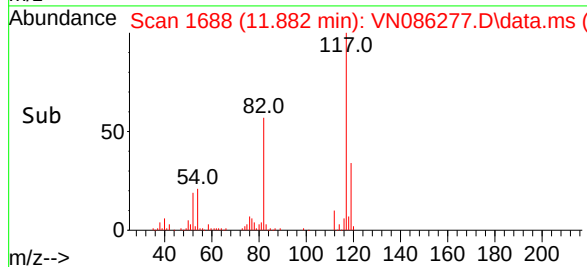
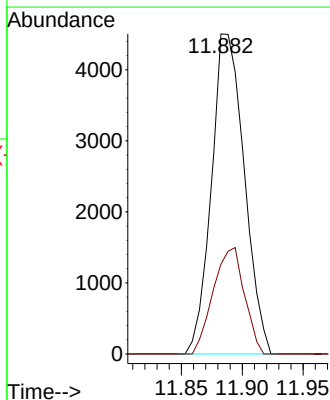
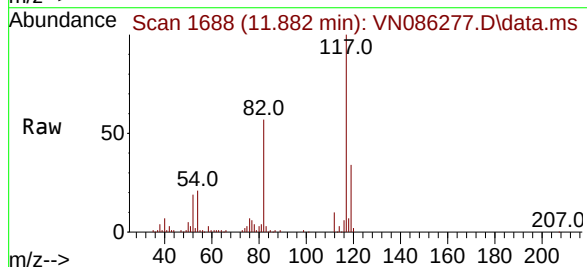
Manual Integrations
APPROVED

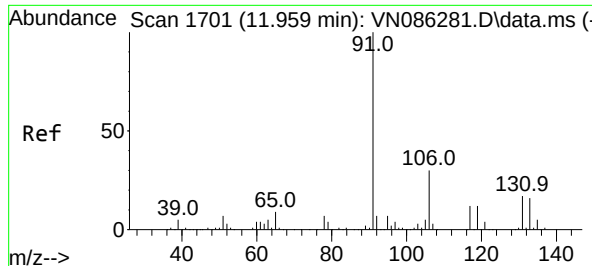
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#65
Chlorobenzene
Concen: 1.107 ug/l
RT: 11.882 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

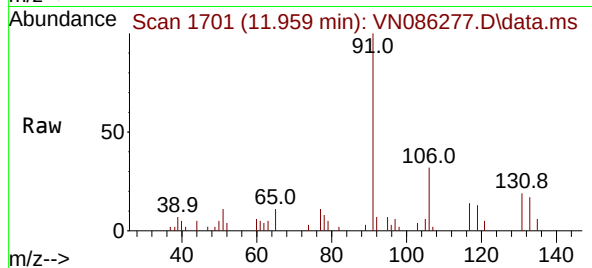
Tgt Ion:112 Resp: 8440
Ion Ratio Lower Upper
112 100
114 28.1 25.4 38.0





#66
1,1,1,2-Tetrachloroethane
Concen: 1.087 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

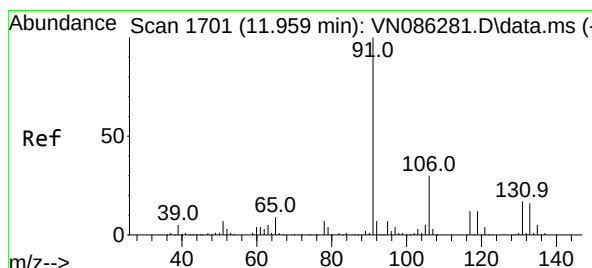
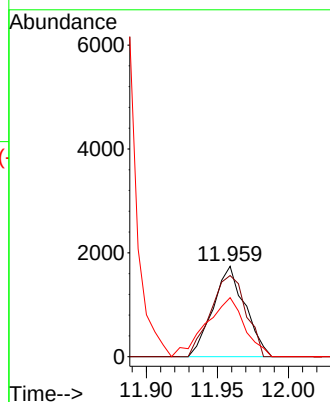
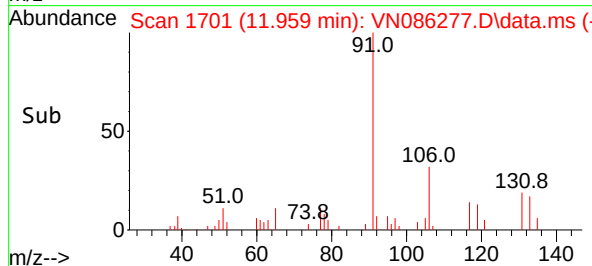
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion:131 Resp: 2734
Ion Ratio Lower Upper
131 100
133 98.6 47.1 141.3
119 0.0 33.8 101.4

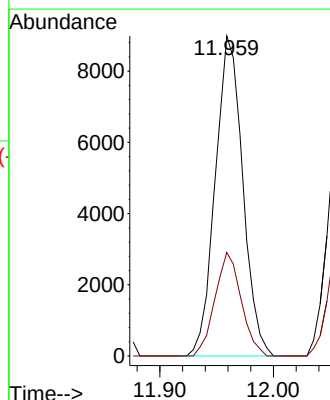
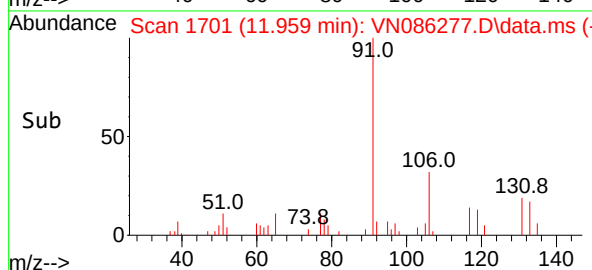
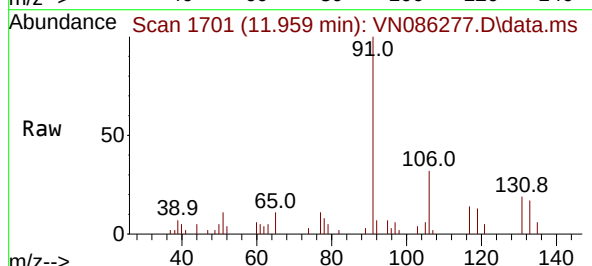
Manual Integrations
APPROVED

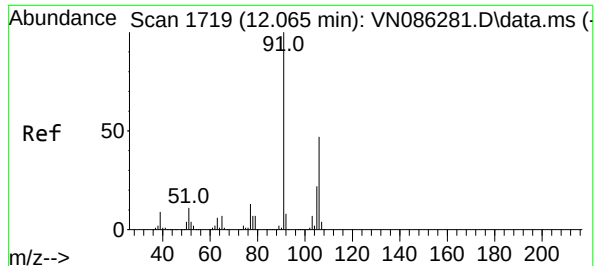
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#67
Ethyl Benzene
Concen: 1.097 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

Tgt Ion: 91 Resp: 15099
Ion Ratio Lower Upper
91 100
106 32.3 24.3 36.5





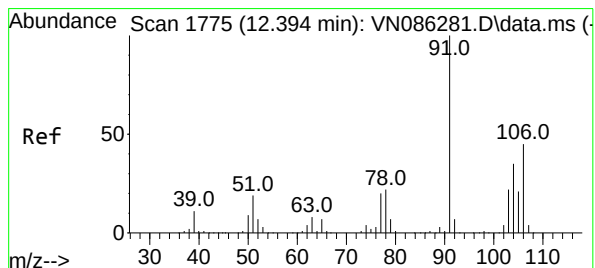
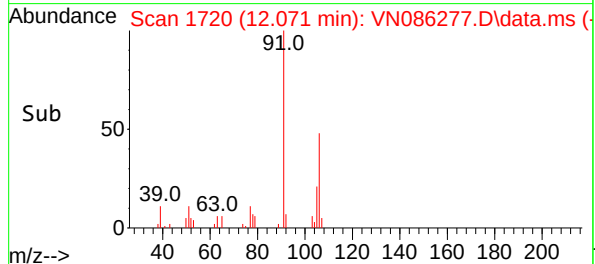
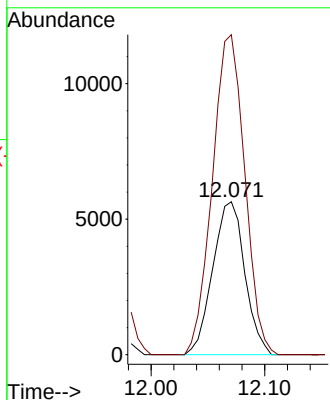
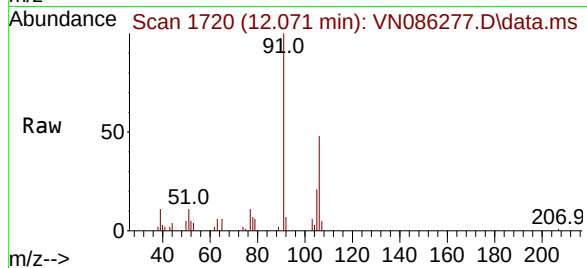
#68
m/p-Xylenes
Concen: 2.144 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 1105
Ion Ratio Lower Upper
106 100
91 211.7 166.5 249.7

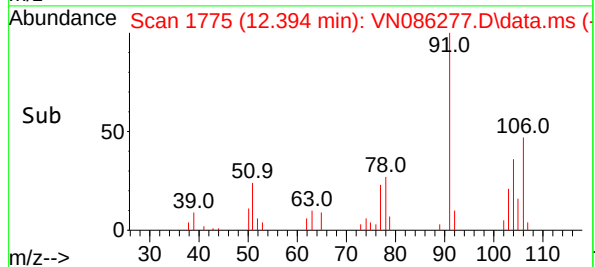
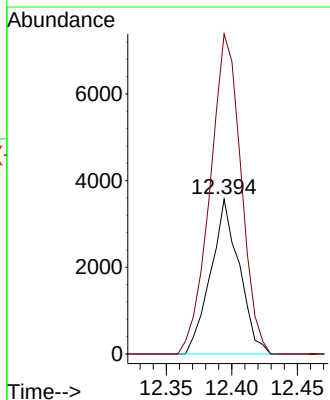
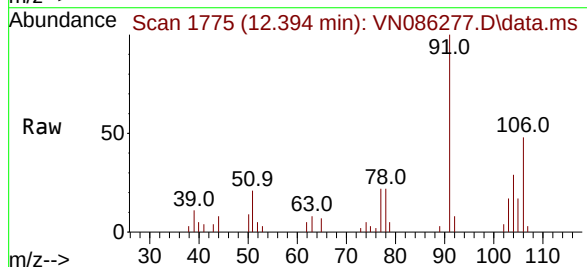
Manual Integrations
APPROVED

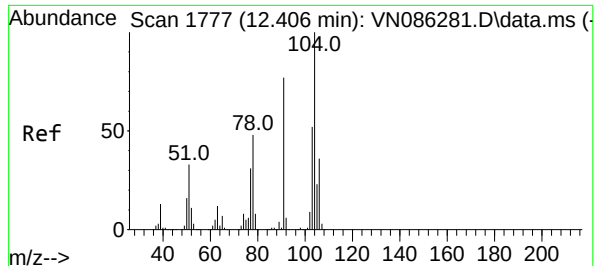
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#69
o-Xylene
Concen: 1.061 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

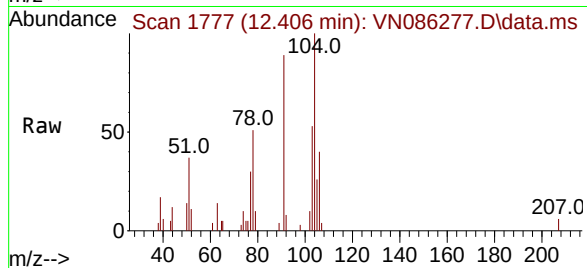
Tgt Ion:106 Resp: 5408
Ion Ratio Lower Upper
106 100
91 224.6 109.7 329.0





#70
Styrene
Concen: 1.051 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

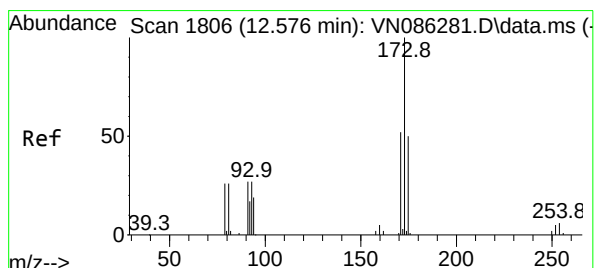
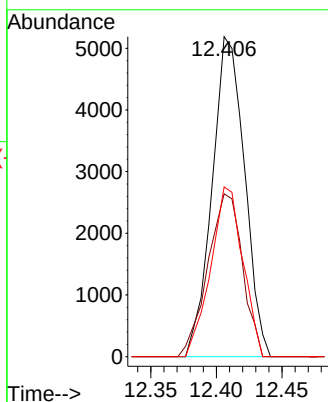
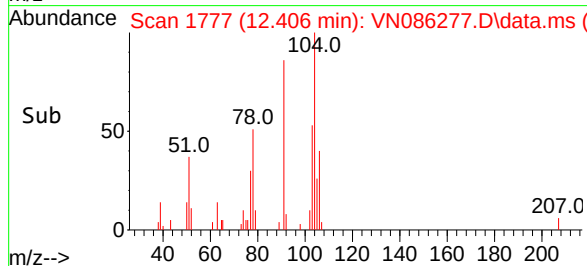
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.2	40.6	61.0
103	52.4	43.6	65.4

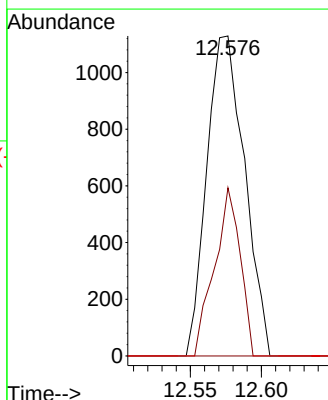
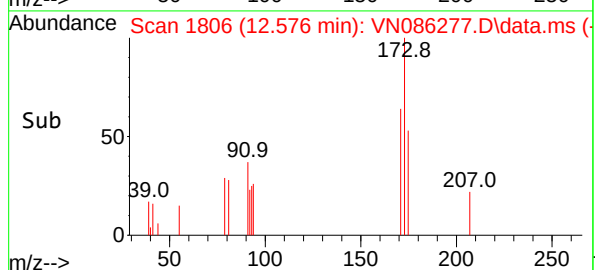
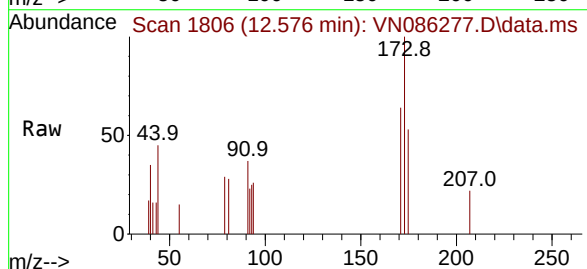
Manual Integrations
APPROVED

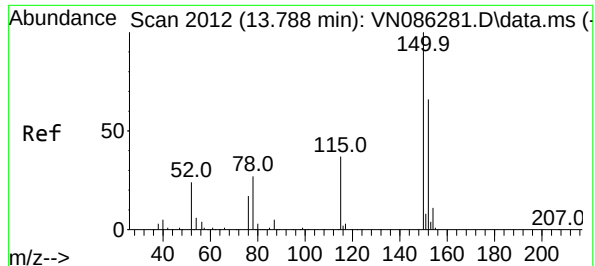
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#71
Bromoform
Concen: 1.103 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

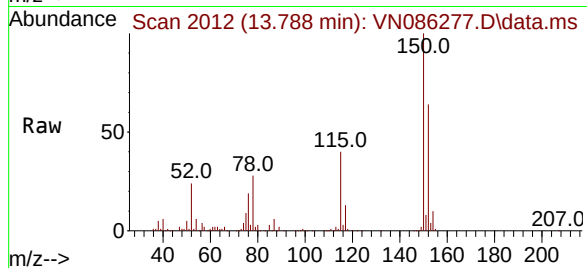
Tgt Ion	Ratio	Lower	Upper
173	100		
175	35.7	24.6	73.6
254	0.0	0.0	0.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

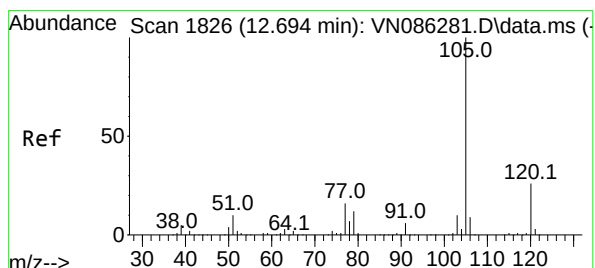
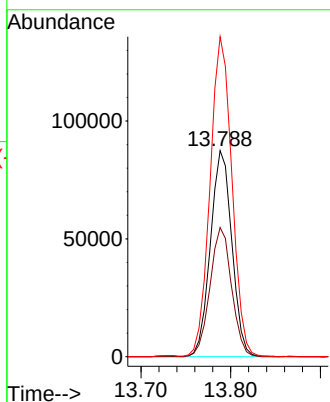
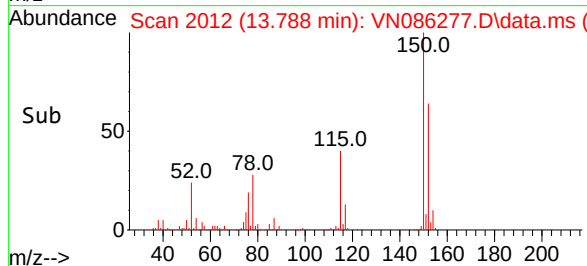
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



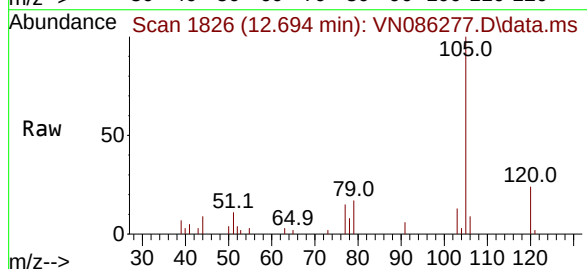
Tgt Ion:152 Resp: 145129
Ion Ratio Lower Upper
152 100
115 63.1 31.9 95.9
150 158.0 0.0 352.0

Manual Integrations
APPROVED

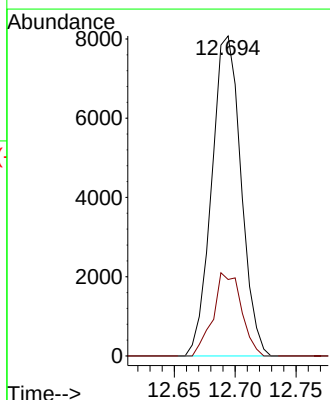
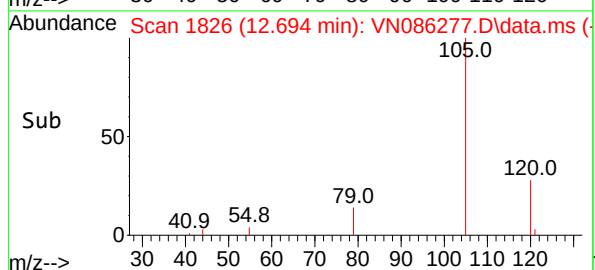
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

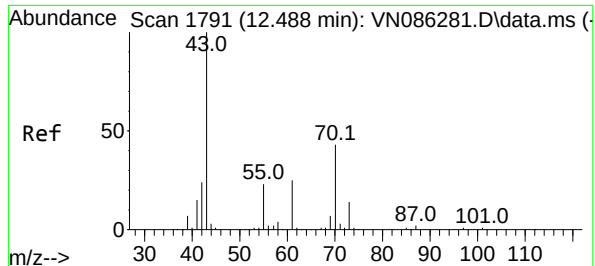


#73
Isopropylbenzene
Concen: 1.141 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29



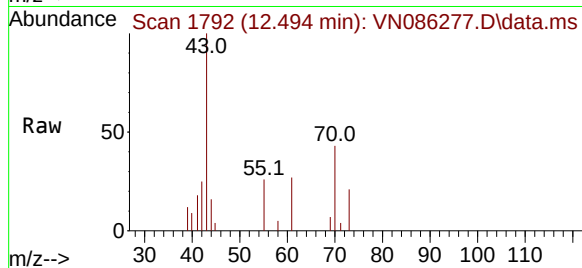
Tgt Ion:105 Resp: 13542
Ion Ratio Lower Upper
105 100
120 25.0 13.1 39.3





#74
N-amy1 acetate
Concen: 1.321 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

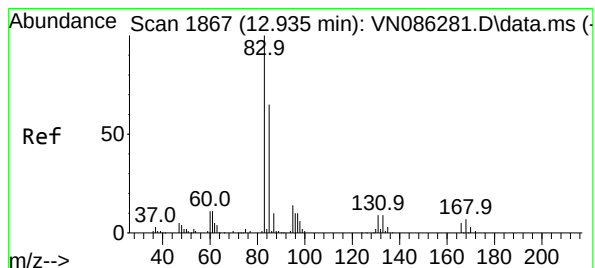
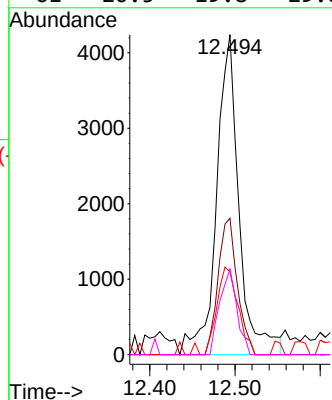
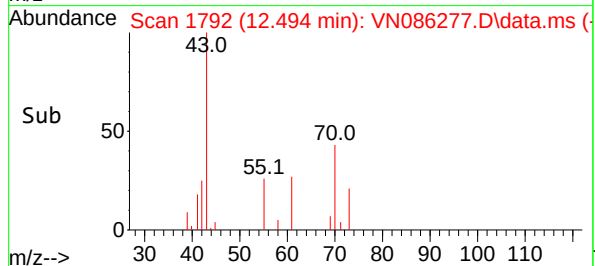
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.5	35.0	52.4
55	25.5	19.0	28.4
61	20.5	19.8	29.8

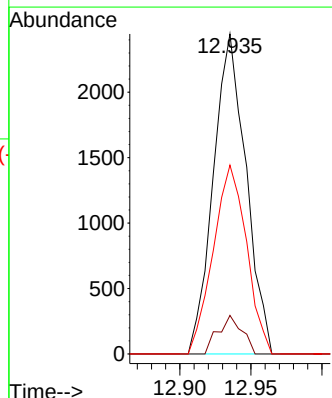
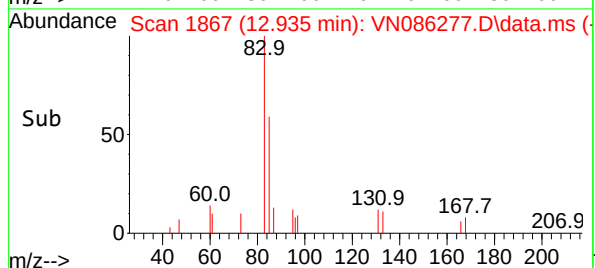
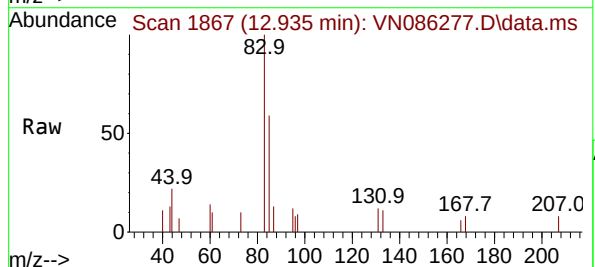
Manual Integrations
APPROVED

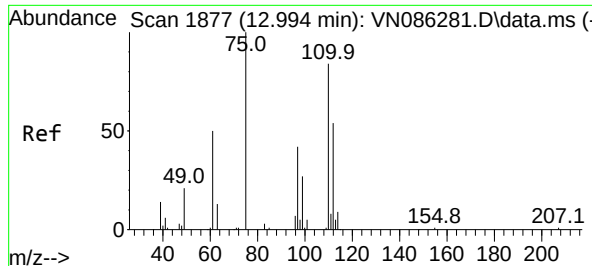
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#75
1,1,2,2-Tetrachloroethane
Concen: 1.145 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

Tgt Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.7	14.1
85	60.2	32.7	98.1





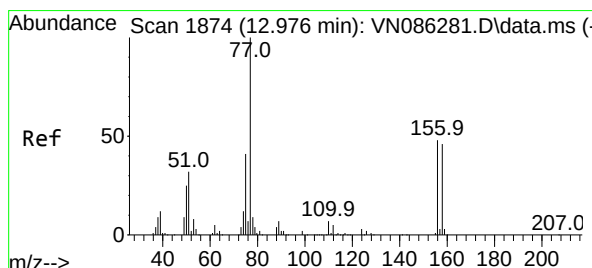
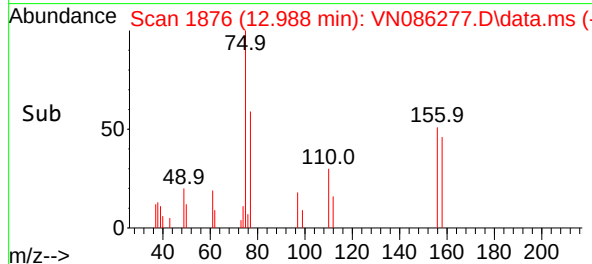
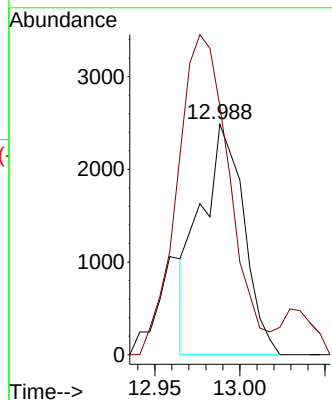
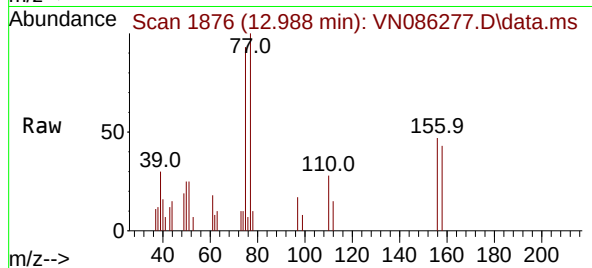
#76
1,2,3-Trichloropropane
Concen: 1.293 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 75 Resp: 440
Ion Ratio Lower Upper
75 100
77 166.9 98.8 296.4

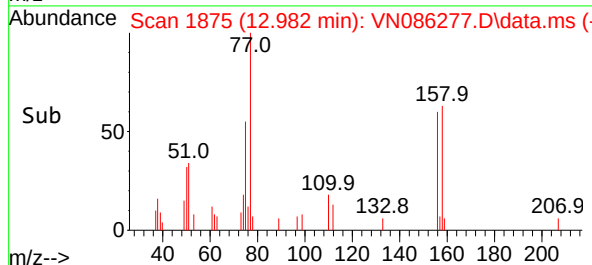
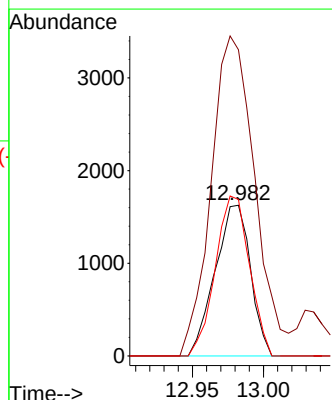
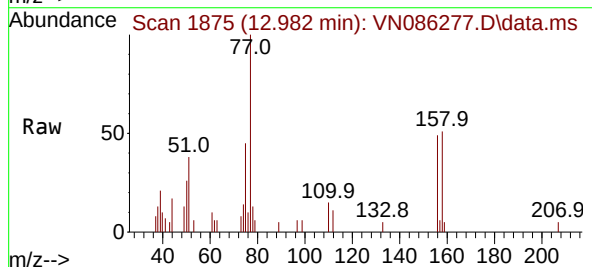
Manual Integrations
APPROVED

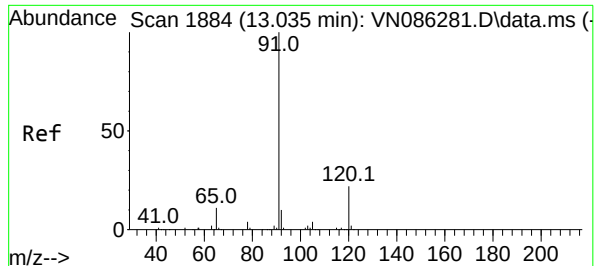
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#77
Bromobenzene
Concen: 1.069 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.006 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

Tgt Ion:156 Resp: 2811
Ion Ratio Lower Upper
156 100
77 261.7 121.1 363.1
158 102.7 47.9 143.6





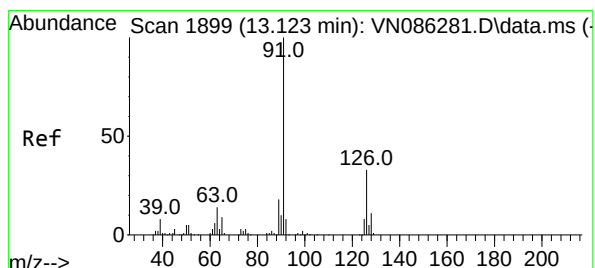
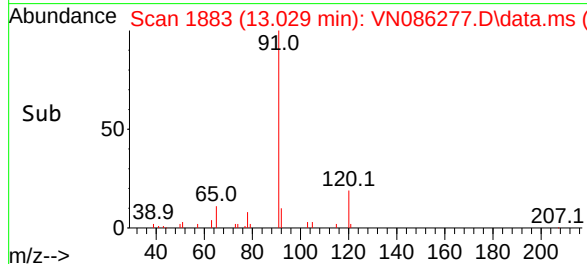
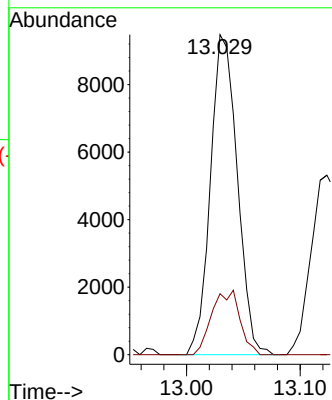
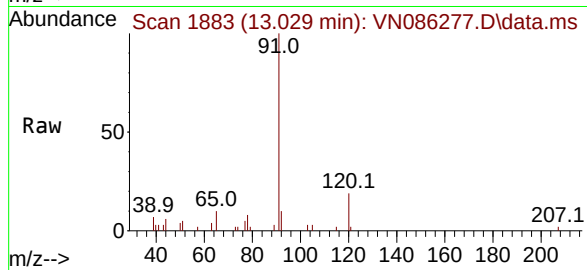
#78
n-propylbenzene
Concen: 1.113 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 15570
Ion Ratio Lower Upper
91 100
120 21.1 11.1 33.3

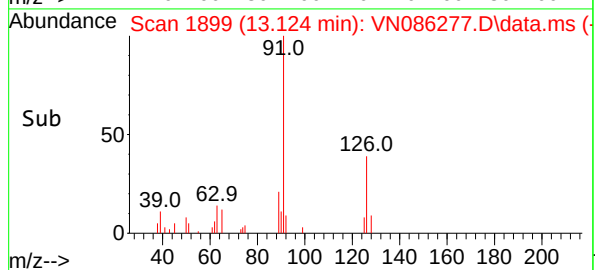
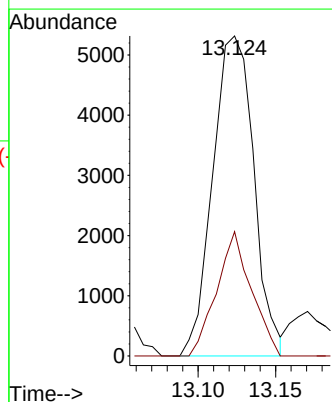
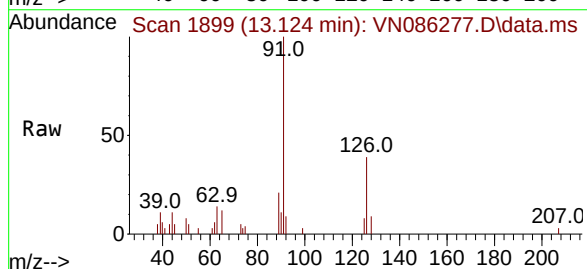
Manual Integrations
APPROVED

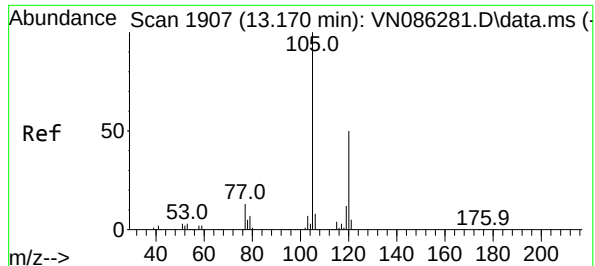
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#79
2-Chlorotoluene
Concen: 1.120 ug/l
RT: 13.124 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

Tgt Ion: 91 Resp: 9804
Ion Ratio Lower Upper
91 100
126 32.8 16.1 48.2





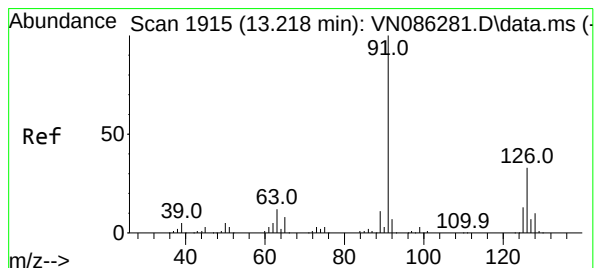
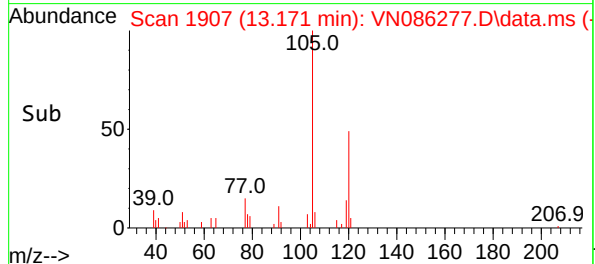
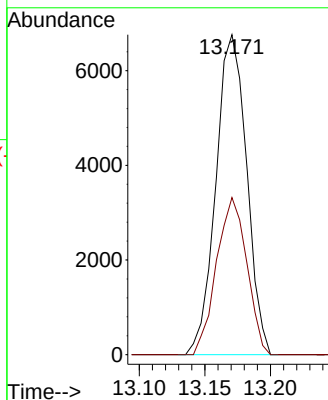
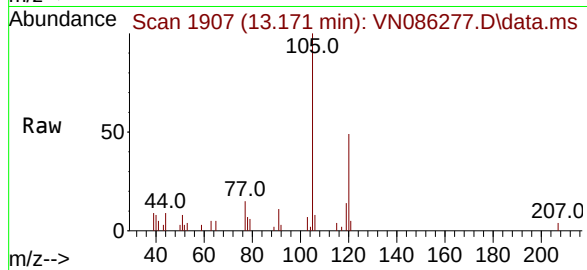
#80
1,3,5-Trimethylbenzene
Concen: 1.135 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 11029
Ion Ratio Lower Upper
105 100
120 48.3 24.5 73.5

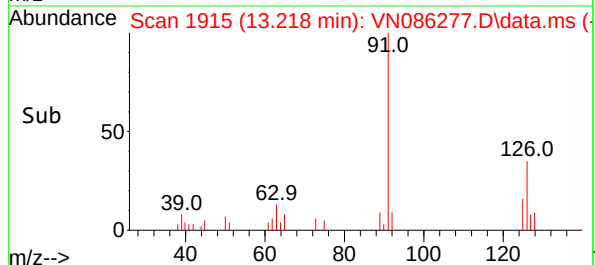
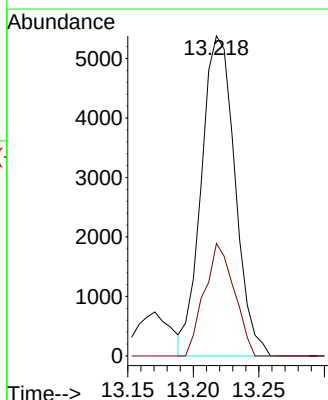
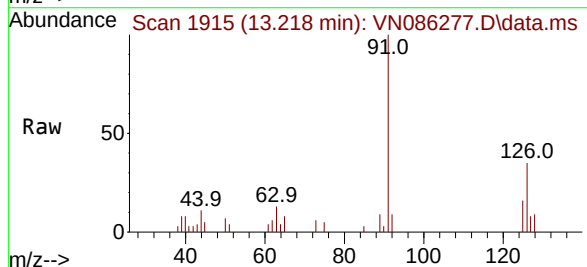
Manual Integrations
APPROVED

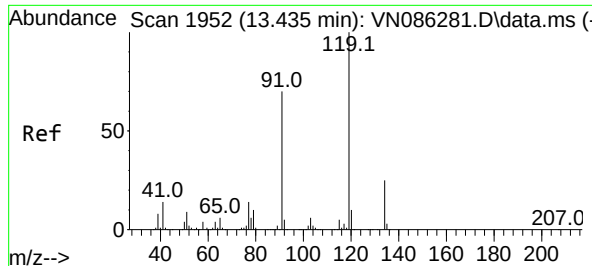
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#82
4-Chlorotoluene
Concen: 1.103 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

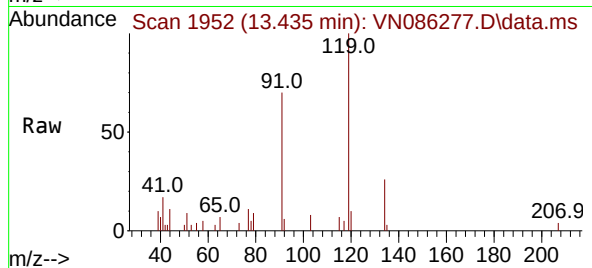
Tgt Ion: 91 Resp: 9589
Ion Ratio Lower Upper
91 100
126 31.2 16.2 48.6





#83
tert-Butylbenzene
Concen: 1.166 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

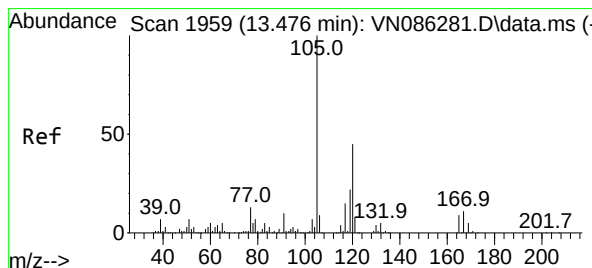
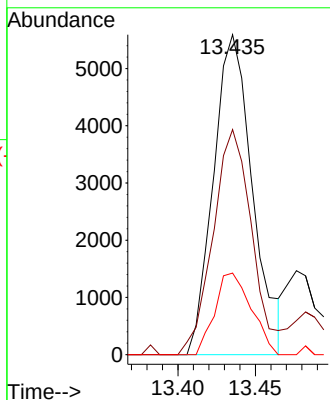
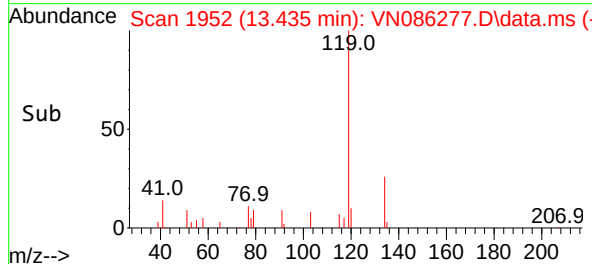
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



Tgt Ion:119 Resp: 981
Ion Ratio Lower Upper
119 100
91 69.5 34.4 103.3
134 23.7 13.0 39.0

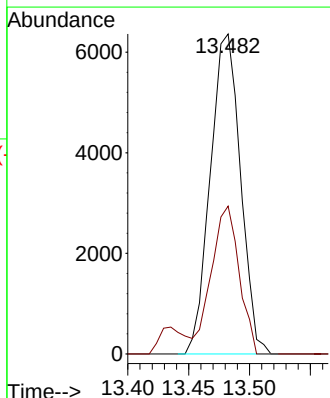
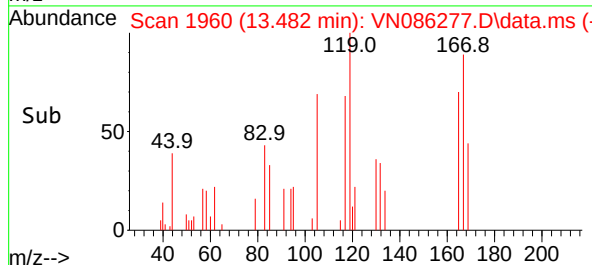
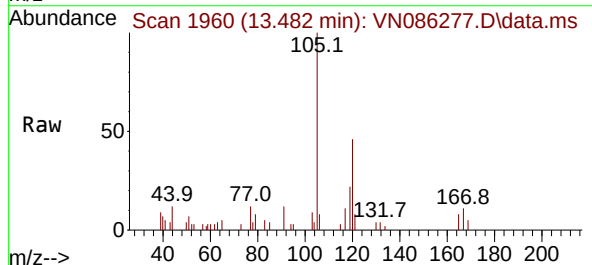
Manual Integrations
APPROVED

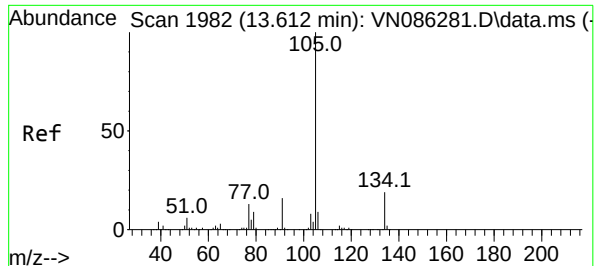
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#84
1,2,4-Trimethylbenzene
Concen: 1.110 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

Tgt Ion:105 Resp: 10977
Ion Ratio Lower Upper
105 100
120 42.5 22.4 67.3





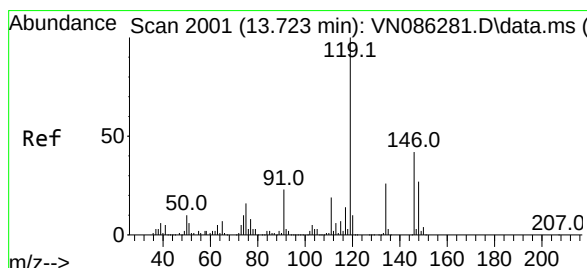
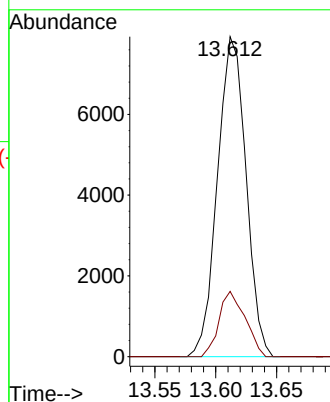
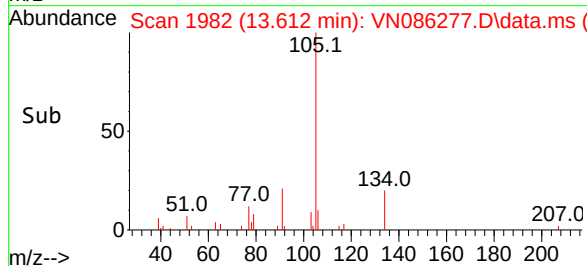
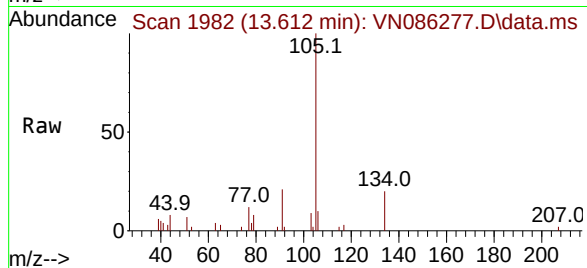
#85
sec-Butylbenzene
Concen: 1.106 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 12920
Ion Ratio Lower Upper
105 100
134 18.7 9.7 29.1

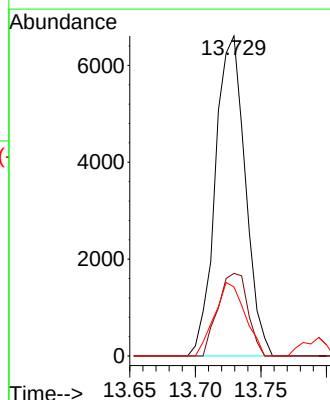
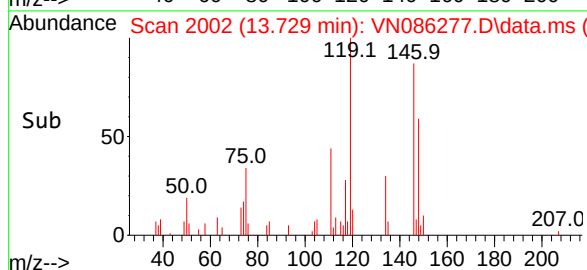
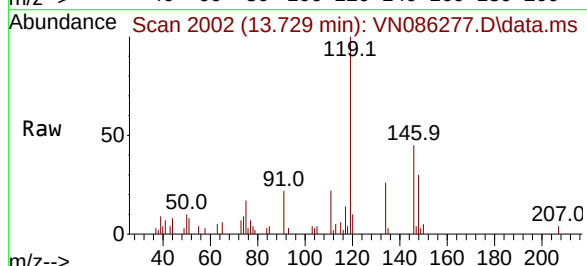
Manual Integrations
APPROVED

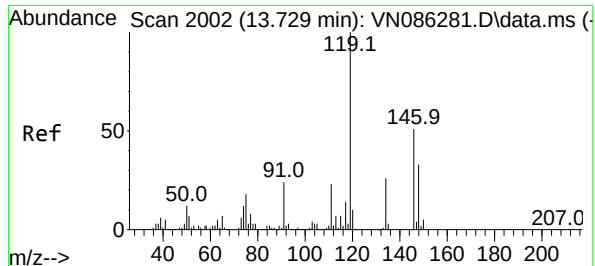
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#86
p-Isopropyltoluene
Concen: 1.086 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

Tgt Ion:119 Resp: 10458
Ion Ratio Lower Upper
119 100
134 25.8 13.1 39.1
91 23.4 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 1.095 ug/l

RT: 13.735 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

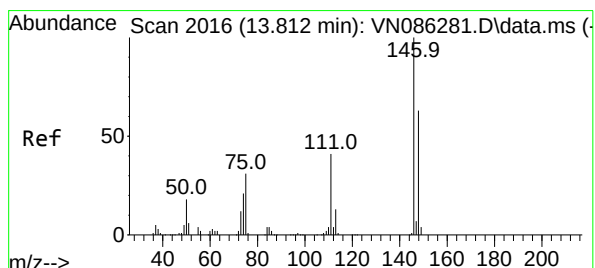
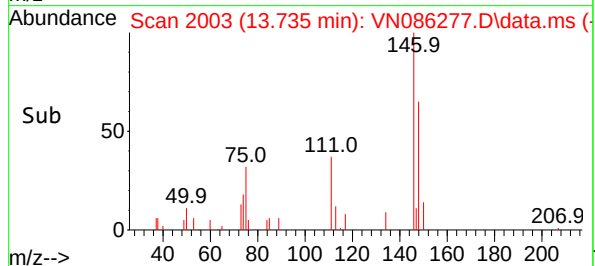
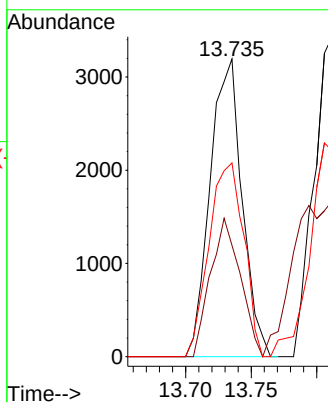
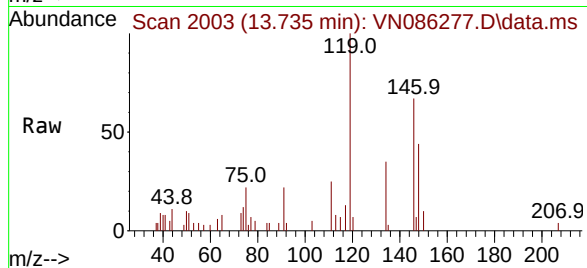
Tgt Ion:	146	Resp:	541
Ion Ratio	Lower	Upper	
146	100		
111	43.5	21.9	65.7
148	71.0	31.9	95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#88

1,4-Dichlorobenzene

Concen: 1.132 ug/l m

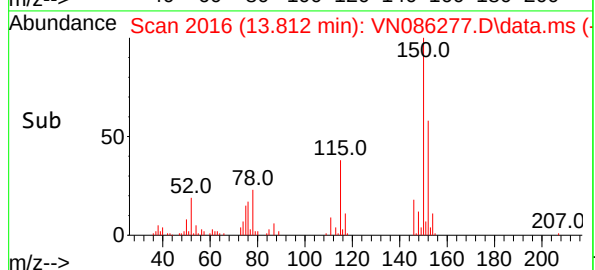
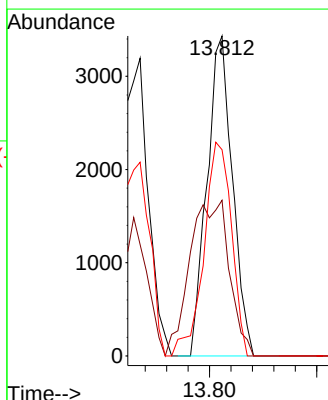
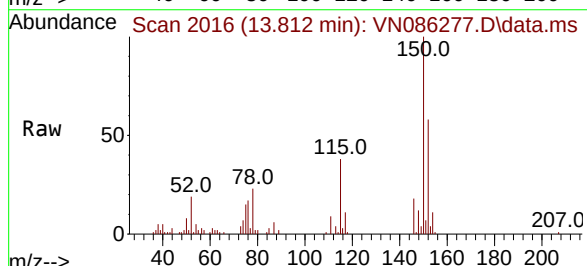
RT: 13.812 min Scan# 2016

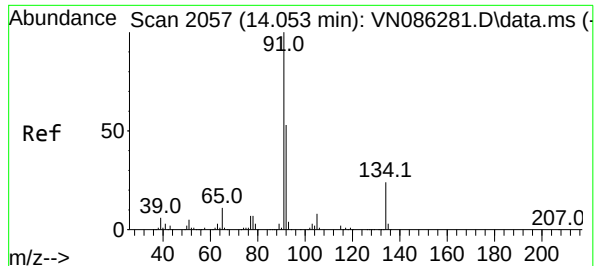
Delta R.T. 0.000 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

Tgt Ion:	146	Resp:	5636
Ion Ratio	Lower	Upper	
146	100		
111	41.8	21.3	63.9
148	68.2	31.9	95.9





#89

n-Butylbenzene

Concen: 1.092 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

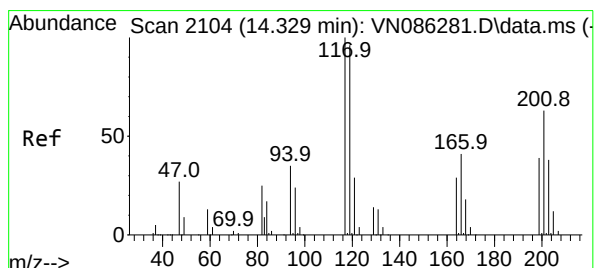
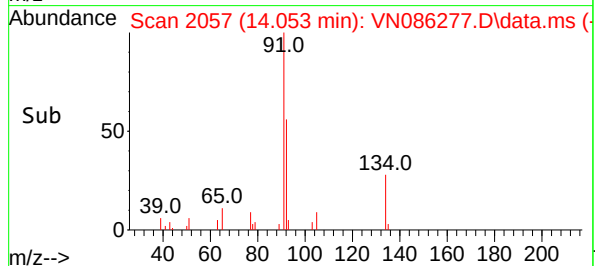
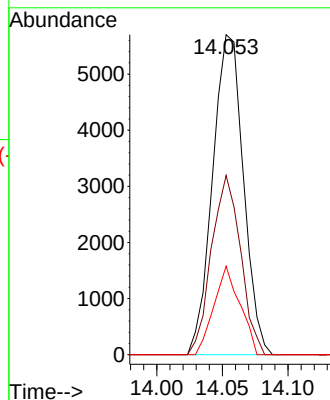
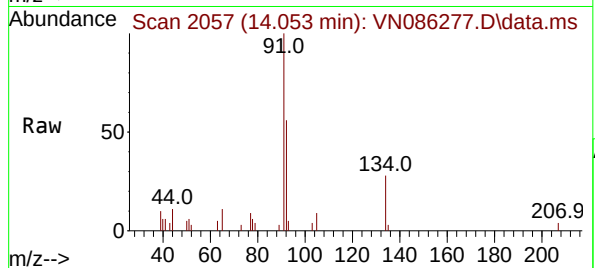
Tgt Ion:	91	Resp:	931
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.8	80.4
134	23.3	12.2	36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#90

Hexachloroethane

Concen: 1.107 ug/l

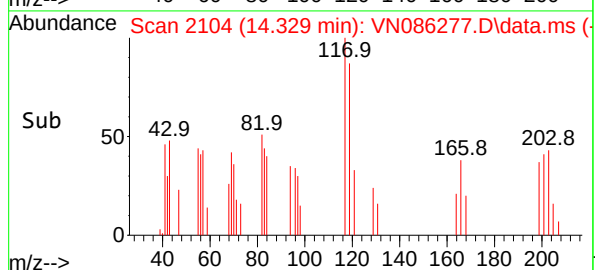
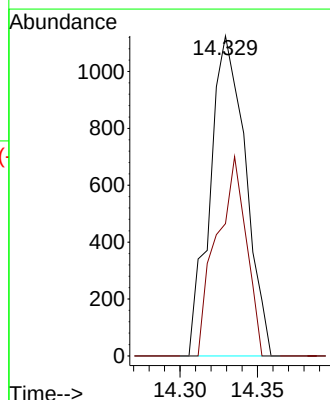
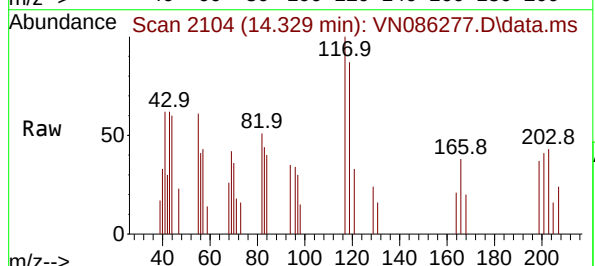
RT: 14.329 min Scan# 2104

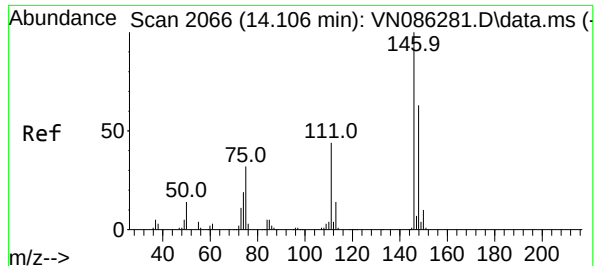
Delta R.T. 0.000 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

Tgt Ion:	117	Resp:	1792
Ion	Ratio	Lower	Upper
117	100		
201	52.0	31.4	94.2





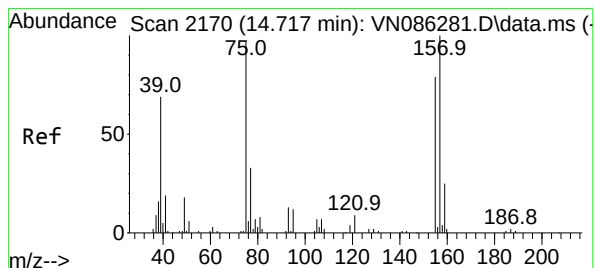
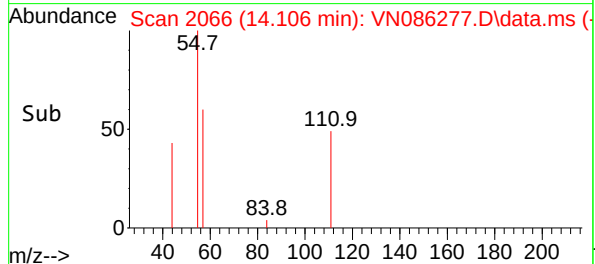
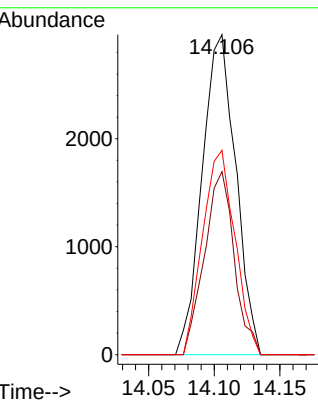
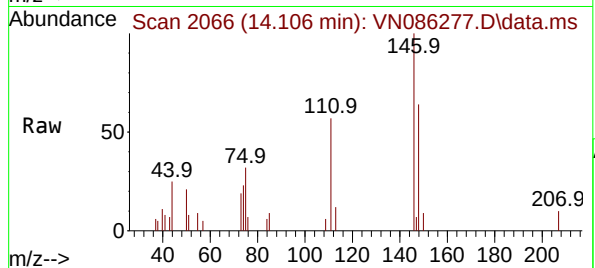
#91
1,2-Dichlorobenzene
Concen: 1.101 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 5279
Ion Ratio Lower Upper
146 100
111 50.7 22.4 67.0
148 61.5 31.8 95.4

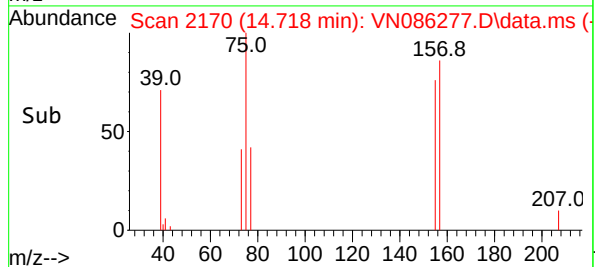
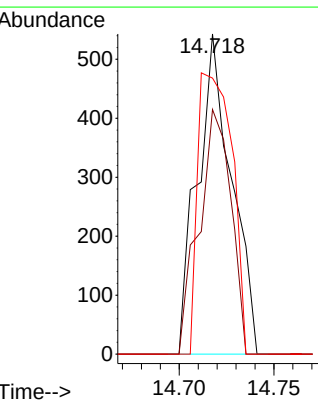
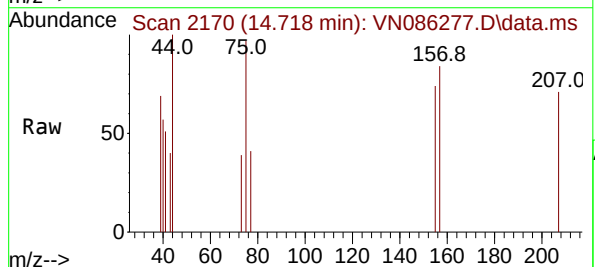
Manual Integrations
APPROVED

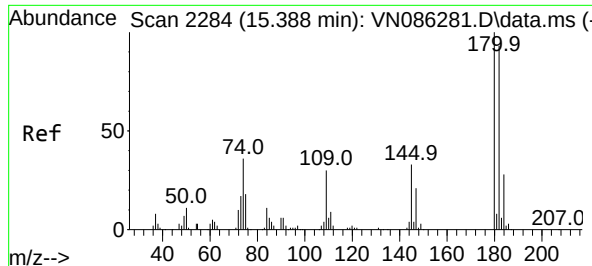
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.987 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN086277.D
Acq: 15 Apr 2025 11:29

Tgt Ion: 75 Resp: 679
Ion Ratio Lower Upper
75 100
155 71.9 40.3 120.9
157 88.7 49.0 147.2





#93

1,2,4-Trichlorobenzene

Concen: 1.040 ug/l

RT: 15.388 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:180 Resp: 238

Ion Ratio Lower Upper

180 100

182 86.6 47.0 141.0

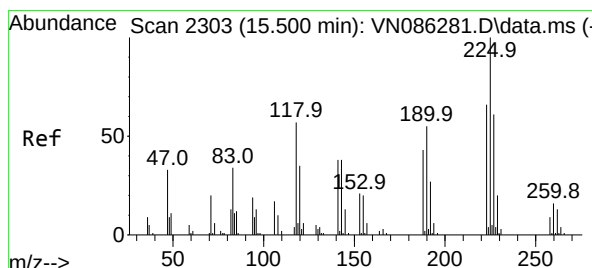
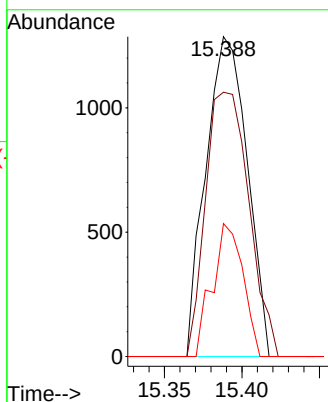
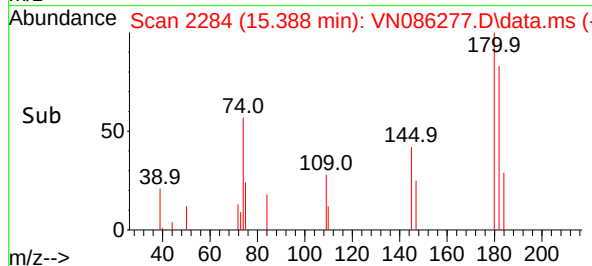
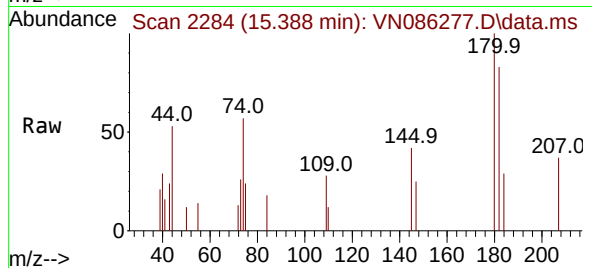
145 30.7 16.4 49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#94

Hexachlorobutadiene

Concen: 1.030 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.006 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

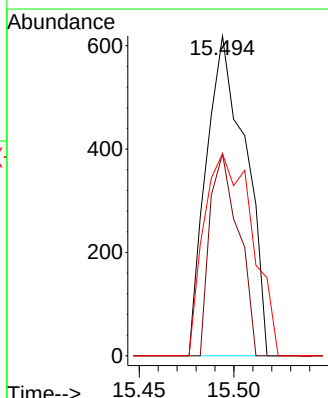
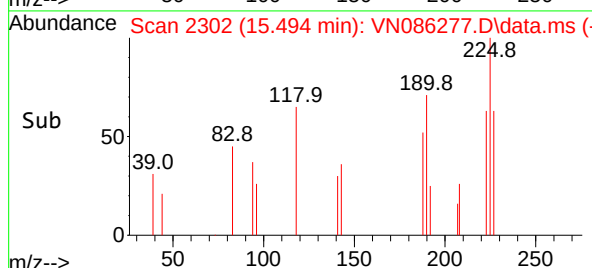
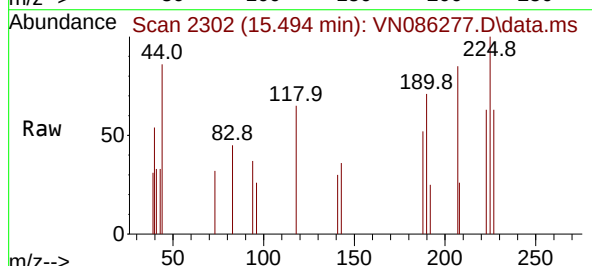
Tgt Ion:225 Resp: 893

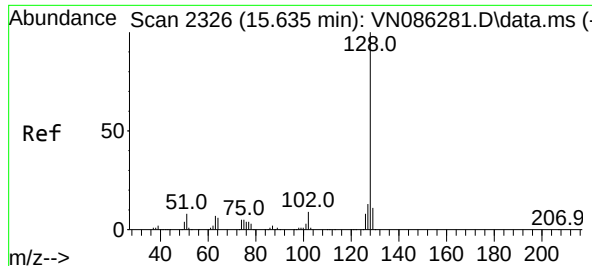
Ion Ratio Lower Upper

225 100

223 46.5 32.8 98.3

227 77.6 31.4 94.0





#95

Naphthalene

Concen: 1.074 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.006 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

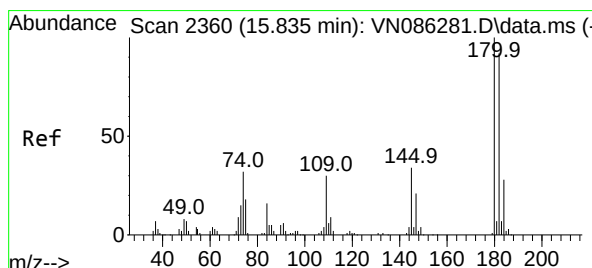
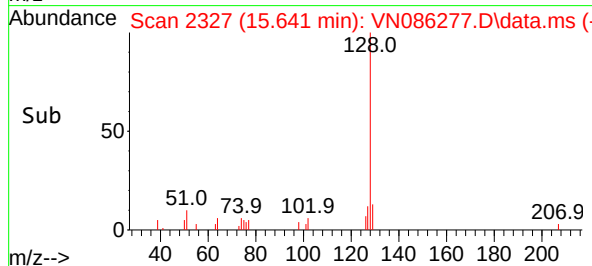
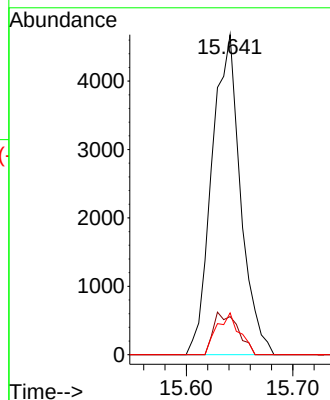
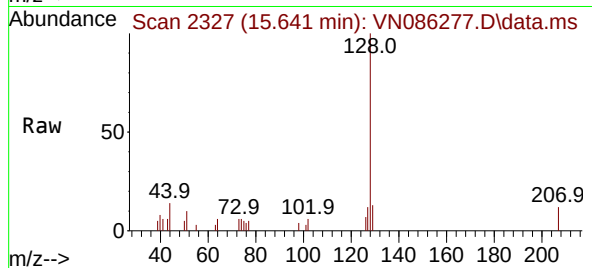
Tgt Ion:128	Resp:	874
Ion Ratio	Lower	Upper
128	100	
127	11.3	10.2 15.4
129	10.4	8.6 13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#96

1,2,3-Trichlorobenzene

Concen: 1.094 ug/l

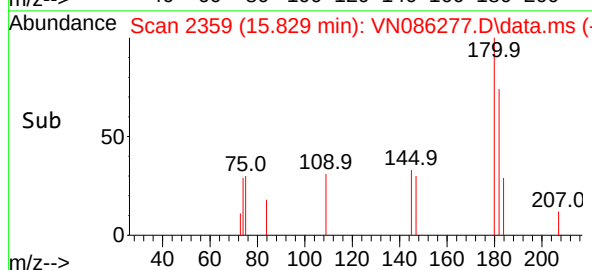
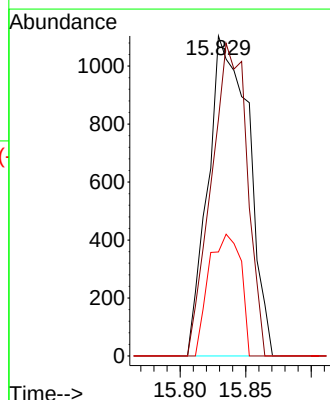
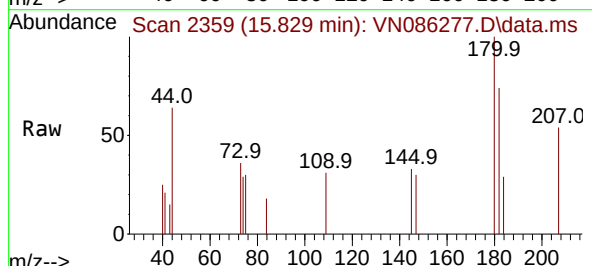
RT: 15.829 min Scan# 2359

Delta R.T. -0.006 min

Lab File: VN086277.D

Acq: 15 Apr 2025 11:29

Tgt Ion:180	Resp:	2378
Ion Ratio	Lower	Upper
180	100	
182	86.0	47.3 142.0
145	29.9	17.2 51.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086278.D
 Acq On : 15 Apr 2025 12:21
 Operator : JC\MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:55:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	234470	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	436245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	375851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	167796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	17487	5.143	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.280%#		
35) Dibromofluoromethane	8.171	113	11660	5.759	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	11.520%#		
50) Toluene-d8	10.565	98	54403	5.028	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.060%#		
62) 4-Bromofluorobenzene	12.847	95	20034	5.076	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.160%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	13162	4.735	ug/l	95
3) Chloromethane	2.359	50	21191	5.246	ug/l	96
4) Vinyl Chloride	2.512	62	19342	5.018	ug/l	99
5) Bromomethane	2.948	94	8981	5.180	ug/l	91
6) Chloroethane	3.112	64	13592	5.268	ug/l	98
7) Trichlorofluoromethane	3.495	101	22304	5.223	ug/l	92
8) Diethyl Ether	3.959	74	9862	5.291	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	13633	5.278	ug/l	99
10) Methyl Iodide	4.589	142	14033	4.941	ug/l	94
11) Tert butyl alcohol	5.518	59	16966	27.348	ug/l #	88
12) 1,1-Dichloroethene	4.342	96	14583	5.284	ug/l	94
13) Acrolein	4.177	56	14133	35.938	ug/l	91
14) Allyl chloride	5.018	41	25369	5.174	ug/l	98
15) Acrylonitrile	5.712	53	40960	26.709	ug/l	99
16) Acetone	4.430	43	33298	23.124	ug/l	100
17) Carbon Disulfide	4.712	76	43706	5.289	ug/l	98
18) Methyl Acetate	5.024	43	21384	5.239	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	53138	5.238	ug/l	92
20) Methylene Chloride	5.277	84	16566	5.270	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	15380	5.331	ug/l	98
22) Diisopropyl ether	6.665	45	55913	5.239	ug/l #	98
23) Vinyl Acetate	6.600	43	205955m	27.614	ug/l	
24) 1,1-Dichloroethane	6.559	63	29865	5.304	ug/l	99
25) 2-Butanone	7.483	43	55470	26.210	ug/l	100
26) 2,2-Dichloropropane	7.488	77	27048	5.365	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	18982	5.301	ug/l	97
28) Bromochloromethane	7.806	49	14246	5.967	ug/l	95
29) Tetrahydrofuran	7.841	42	37437	26.453	ug/l	99
30) Chloroform	7.965	83	28901	5.225	ug/l	98
31) Cyclohexane	8.253	56	33730	6.122	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	25387	5.365	ug/l	89
36) 1,1-Dichloropropene	8.371	75	21310	5.270	ug/l	100
37) Ethyl Acetate	7.559	43	22206	5.216	ug/l	99
38) Carbon Tetrachloride	8.359	117	20544	5.335	ug/l	92
39) Methylcyclohexane	9.594	83	25242	5.251	ug/l	99
40) Benzene	8.600	78	67406	5.202	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086278.D
 Acq On : 15 Apr 2025 12:21
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:55:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	12454	5.047	ug/l	95
42) 1,2-Dichloroethane	8.671	62	21638	5.237	ug/l	100
43) Isopropyl Acetate	8.682	43	55105	5.444	ug/l #	90
44) Trichloroethene	9.353	130	15562	5.067	ug/l	95
45) 1,2-Dichloropropane	9.618	63	16719	5.272	ug/l	94
46) Dibromomethane	9.706	93	10633	5.262	ug/l	97
47) Bromodichloromethane	9.888	83	23118	5.297	ug/l	95
48) Methyl methacrylate	9.682	41	19018	5.087	ug/l	98
49) 1,4-Dioxane	9.688	88	6722	105.699	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	113773	26.097	ug/l	100
52) Toluene	10.624	92	42032	5.199	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	25020	5.136	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	27737	5.183	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	15559	5.349	ug/l	98
56) Ethyl methacrylate	10.871	69	28102	5.256	ug/l	97
57) 1,3-Dichloropropane	11.159	76	26905	5.213	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	77113	30.387	ug/l	100
59) 2-Hexanone	11.194	43	84443	26.113	ug/l	99
60) Dibromochloromethane	11.359	129	16611	5.201	ug/l	100
61) 1,2-Dibromoethane	11.471	107	14929	5.087	ug/l	97
64) Tetrachloroethene	11.100	164	14998	5.188	ug/l	96
65) Chlorobenzene	11.888	112	44164	5.265	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	14896	5.383	ug/l	98
67) Ethyl Benzene	11.959	91	79376	5.244	ug/l	97
68) m/p-Xylenes	12.071	106	59758	10.537	ug/l	99
69) o-Xylene	12.394	106	29751	5.305	ug/l	98
70) Styrene	12.406	104	48407	5.180	ug/l	99
71) Bromoform	12.576	173	11065	5.311	ug/l #	97
73) Isopropylbenzene	12.694	105	71658	5.221	ug/l	100
74) N-amyl acetate	12.488	43	35409	5.182	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	21720	5.503	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	19196m	4.870	ug/l	
77) Bromobenzene	12.976	156	15681	5.156	ug/l	93
78) n-propylbenzene	13.035	91	85101	5.261	ug/l	99
79) 2-Chlorotoluene	13.123	91	54490	5.384	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	59035	5.255	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	8832m	5.357	ug/l	
82) 4-Chlorotoluene	13.217	91	52887	5.260	ug/l	99
83) tert-Butylbenzene	13.435	119	51302	5.270	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	61145	5.347	ug/l	98
85) sec-Butylbenzene	13.612	105	72305	5.355	ug/l	99
86) p-Isopropyltoluene	13.723	119	58514	5.258	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	30570	5.347	ug/l	100
88) 1,4-Dichlorobenzene	13.806	146	30447	5.287	ug/l	94
89) n-Butylbenzene	14.053	91	50562	5.126	ug/l	99
90) Hexachloroethane	14.329	117	9832	5.252	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	30546	5.511	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	4593	5.772	ug/l	93
93) 1,2,4-Trichlorobenzene	15.388	180	14506	5.465	ug/l	99
94) Hexachlorobutadiene	15.500	225	5680	5.669	ug/l	97
95) Naphthalene	15.641	128	49586	5.270	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	13599	5.412	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086278.D
Acq On : 15 Apr 2025 12:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:55:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

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

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

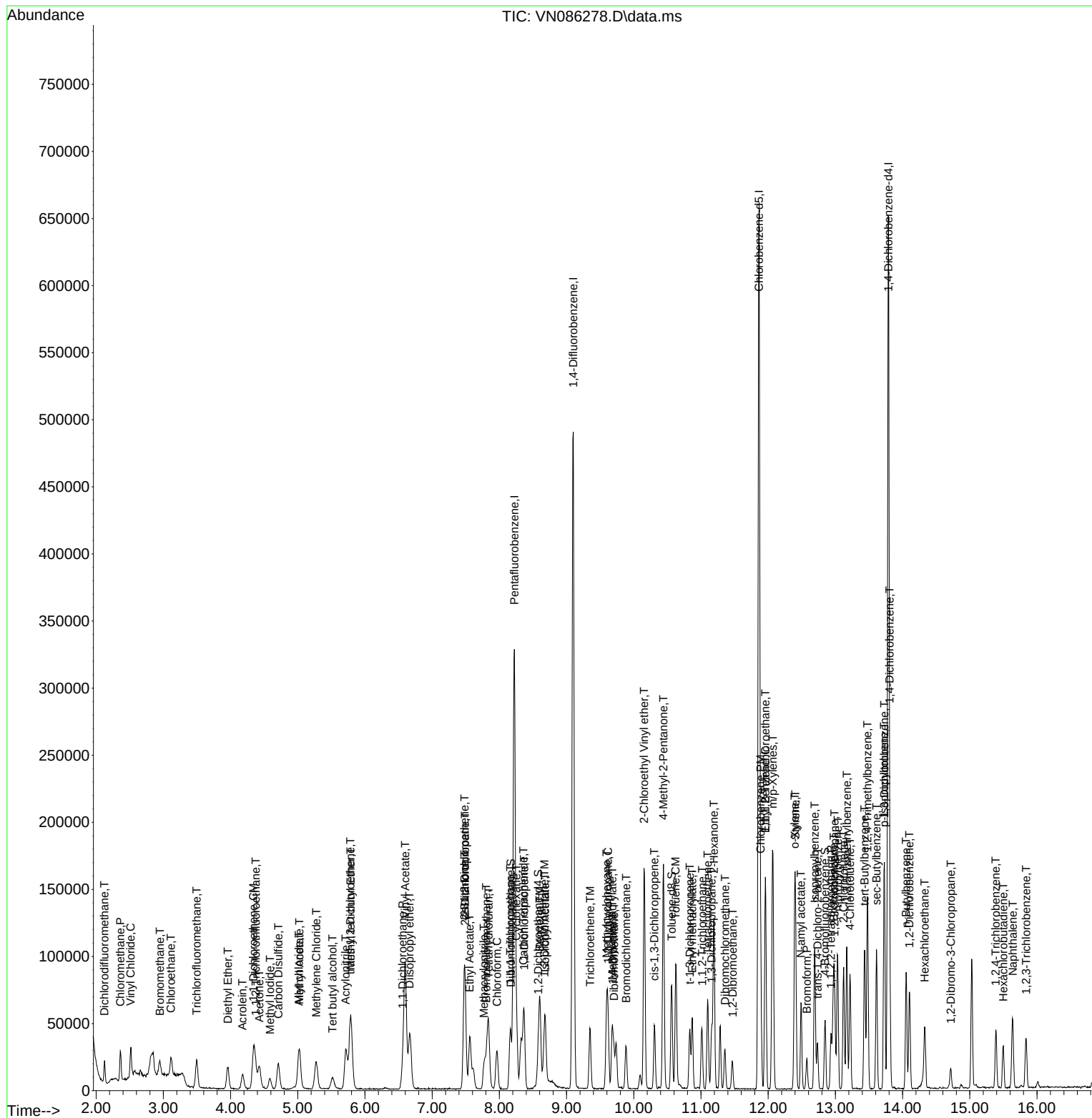
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Data File : VN086278.D
Acq On : 15 Apr 2025 12:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

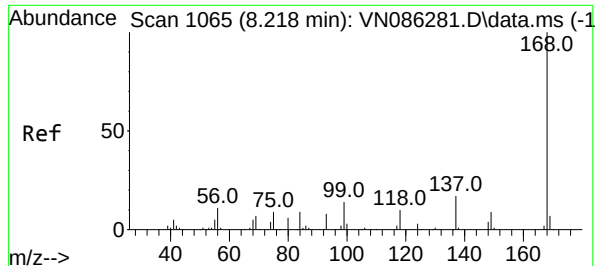
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

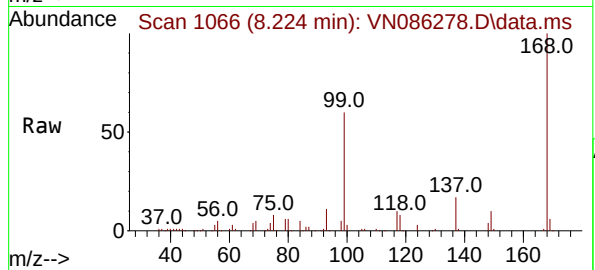
Quant Time: Apr 16 03:55:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

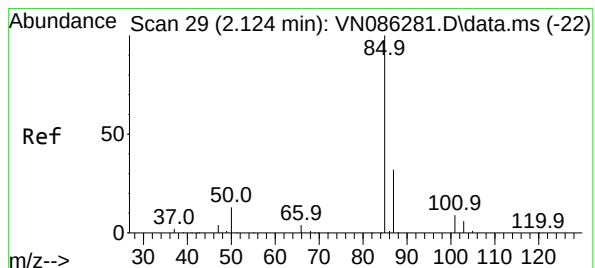
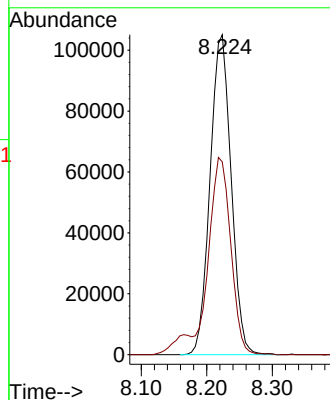
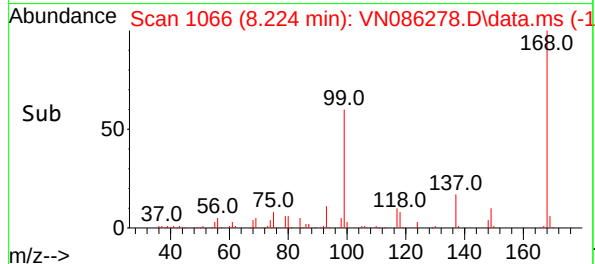
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:168 Resp: 234470
Ion Ratio Lower Upper
168 100
99 60.2 52.5 78.7

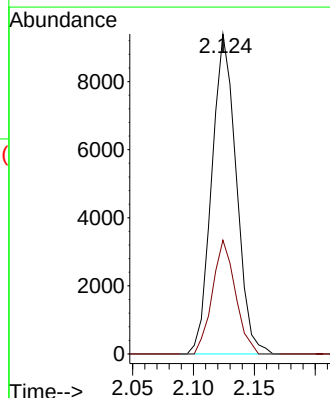
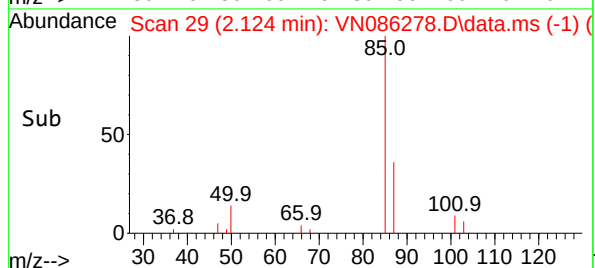
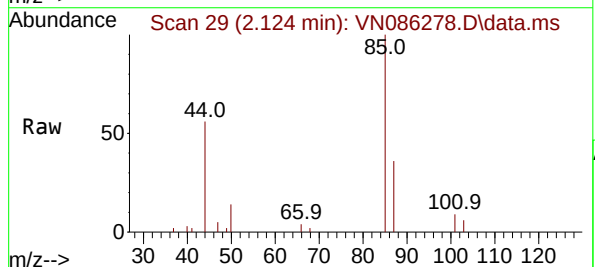
Manual Integrations
APPROVED

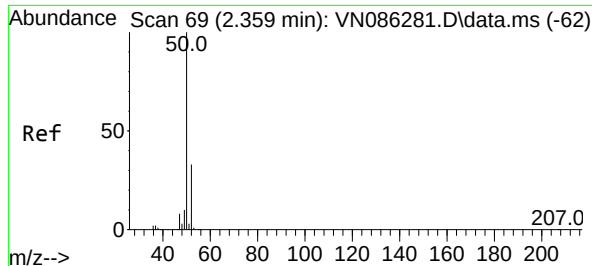
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#2
Dichlorodifluoromethane
Concen: 4.735 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

Tgt Ion: 85 Resp: 13162
Ion Ratio Lower Upper
85 100
87 35.6 16.3 48.8





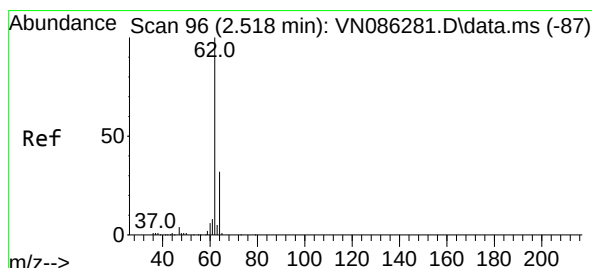
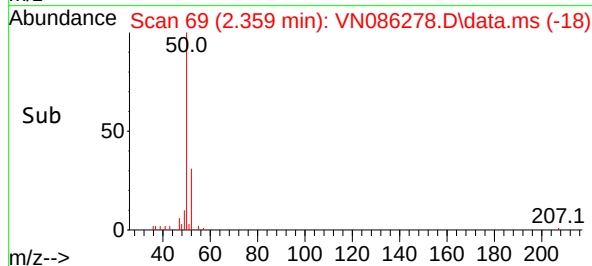
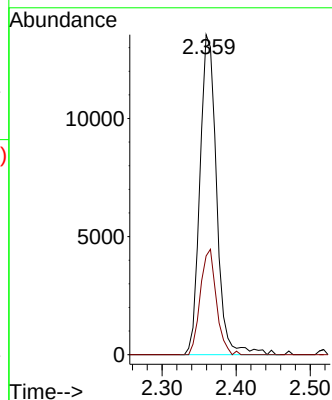
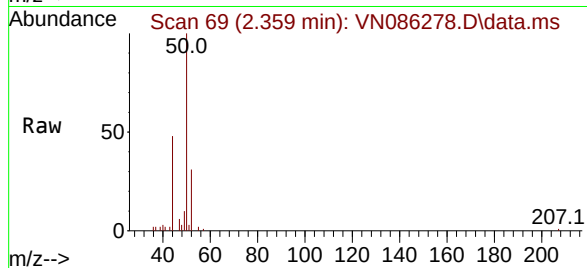
#3
Chloromethane
Concen: 5.246 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 2119
Ion Ratio Lower Upper
50 100
52 30.8 26.5 39.7

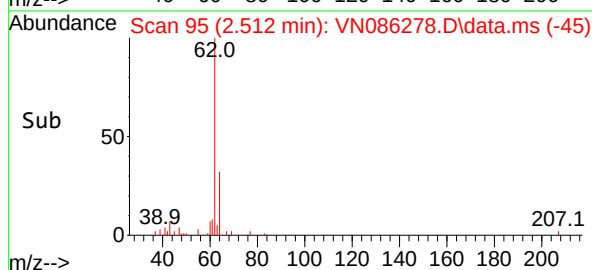
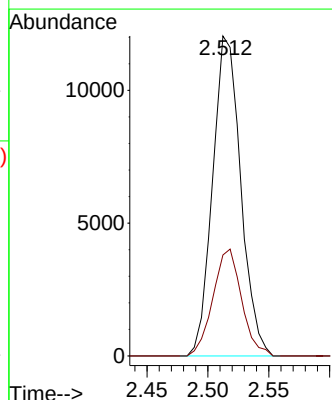
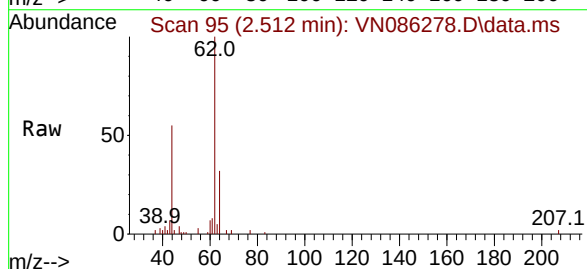
Manual Integrations
APPROVED

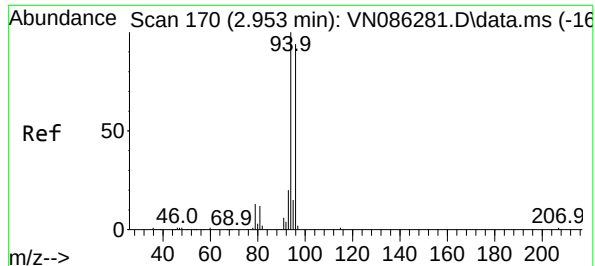
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#4
Vinyl Chloride
Concen: 5.018 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

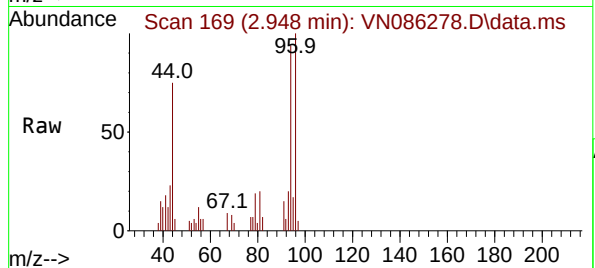
Tgt Ion: 62 Resp: 19342
Ion Ratio Lower Upper
62 100
64 31.5 25.6 38.4





#5
Bromomethane
Concen: 5.180 ug/l
RT: 2.948 min Scan# 110
Delta R.T. -0.006 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

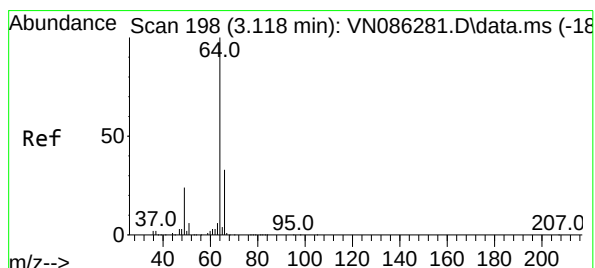
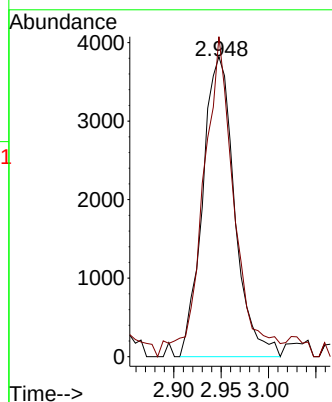
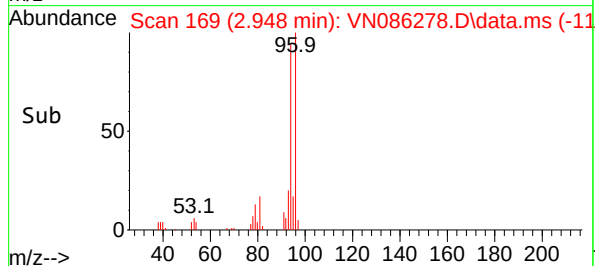
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 94 Resp: 898
Ion Ratio Lower Upper
94 100
96 102.3 75.2 112.8

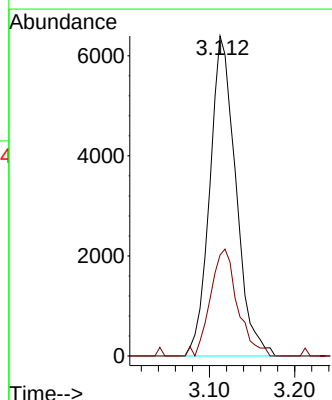
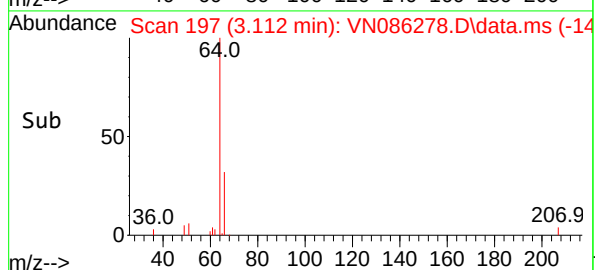
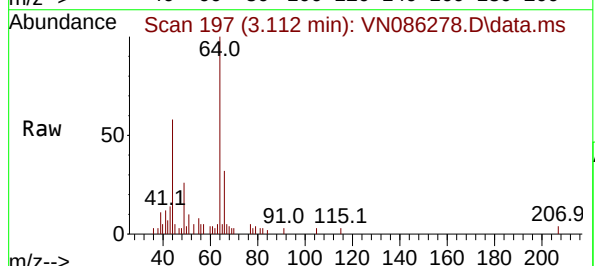
Manual Integrations
APPROVED

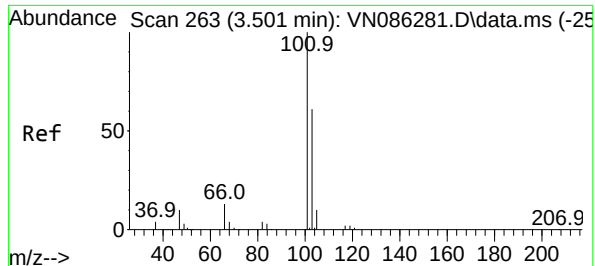
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#6
Chloroethane
Concen: 5.268 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

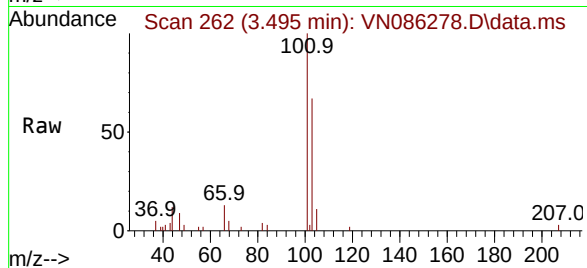
Tgt Ion: 64 Resp: 13592
Ion Ratio Lower Upper
64 100
66 31.6 26.2 39.2





#7
Trichlorofluoromethane
Concen: 5.223 ug/l
RT: 3.495 min Scan# 263
Delta R.T. -0.006 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

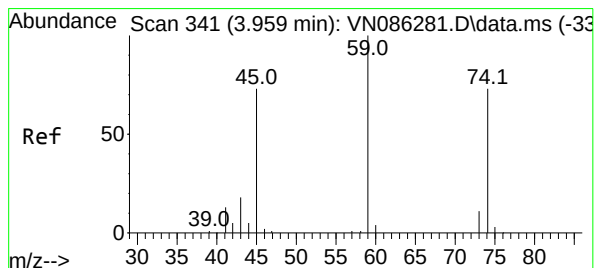
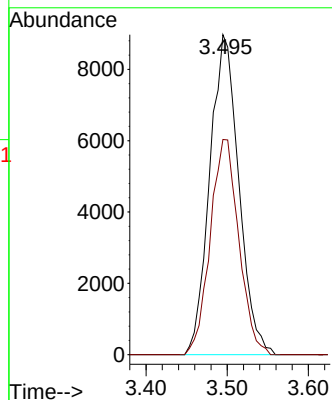
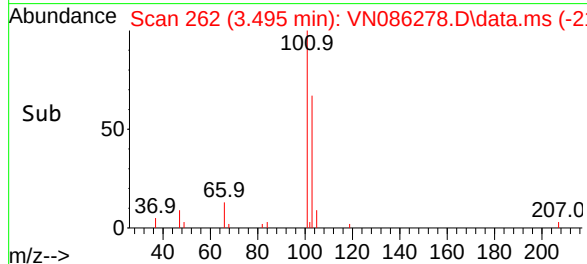
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 101 Resp: 22304
Ion Ratio Lower Upper
101 100
103 67.3 49.2 73.8

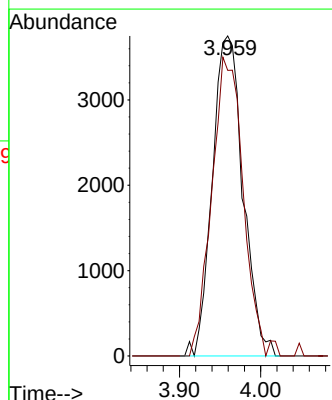
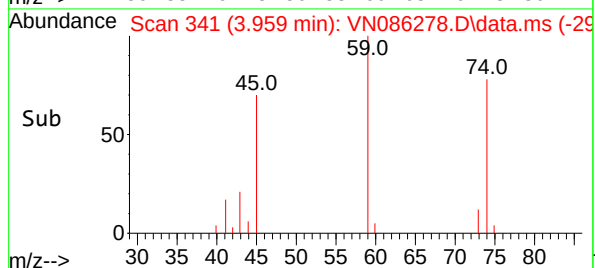
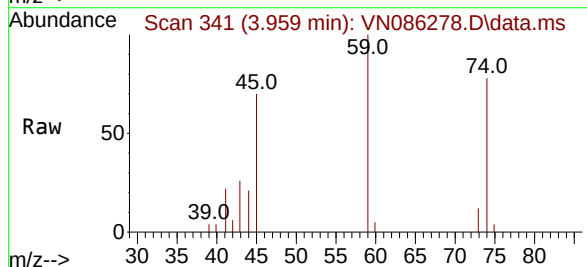
Manual Integrations
APPROVED

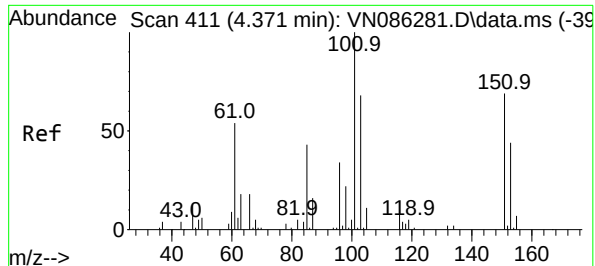
Reviewed By : John Carlone 04/16/2025
Supervised By : Semsettin Yesilyurt 04/16/2025



#8
Diethyl Ether
Concen: 5.291 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

Tgt Ion: 74 Resp: 9862
Ion Ratio Lower Upper
74 100
45 94.4 48.0 144.2





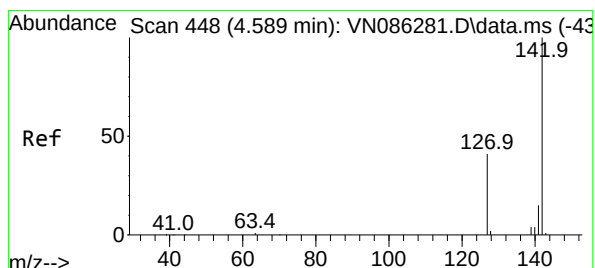
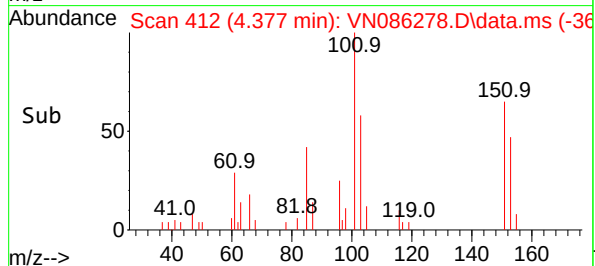
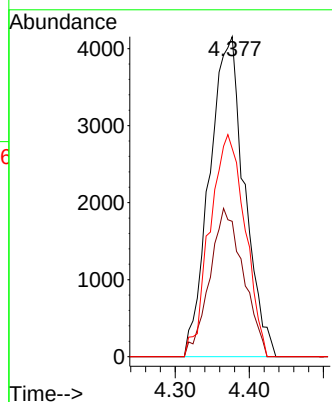
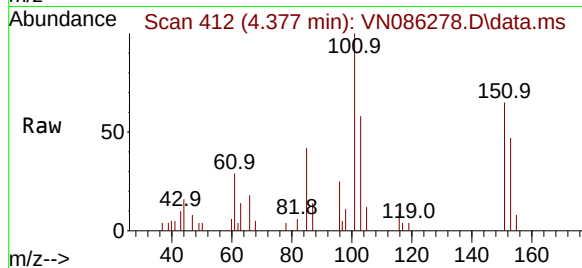
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.278 ug/l
RT: 4.377 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:101 Resp: 1363
Ion Ratio Lower Upper
101 100
85 44.6 34.7 52.1
151 69.9 56.1 84.1

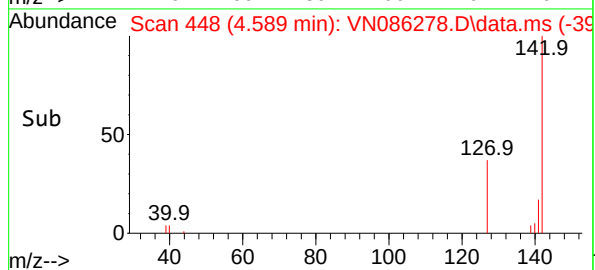
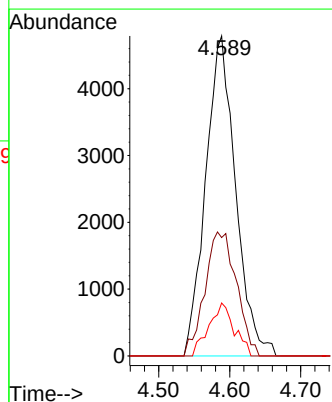
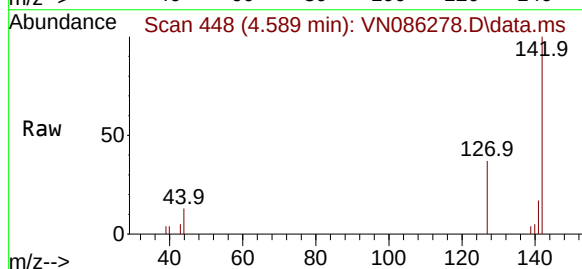
Manual Integrations
APPROVED

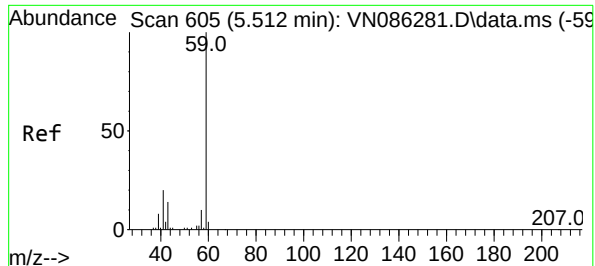
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#10
Methyl Iodide
Concen: 4.941 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

Tgt Ion:142 Resp: 14033
Ion Ratio Lower Upper
142 100
127 37.0 32.7 49.1
141 16.5 11.7 17.5





#11

Tert butyl alcohol

Concen: 27.348 ug/l

RT: 5.518 min Scan# 605

Delta R.T. 0.006 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 1696

Ion Ratio Lower Upper

59 100

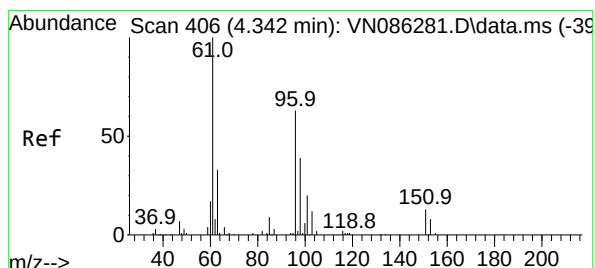
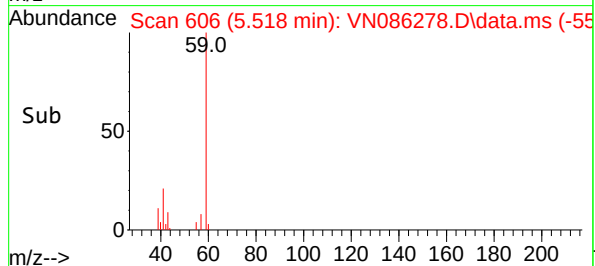
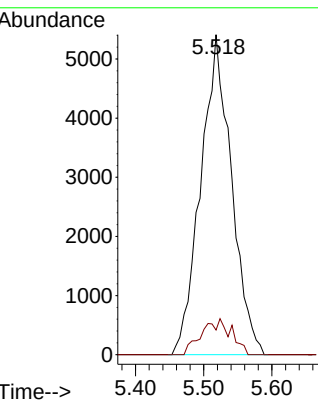
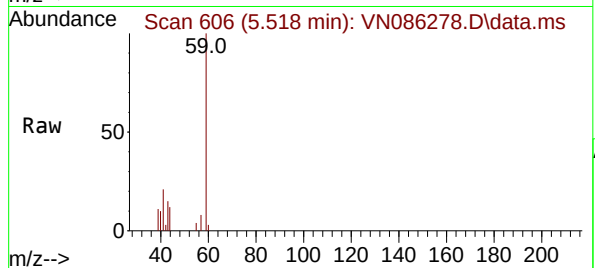
57 5.8 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#12

1,1-Dichloroethene

Concen: 5.284 ug/l

RT: 4.342 min Scan# 406

Delta R.T. -0.000 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

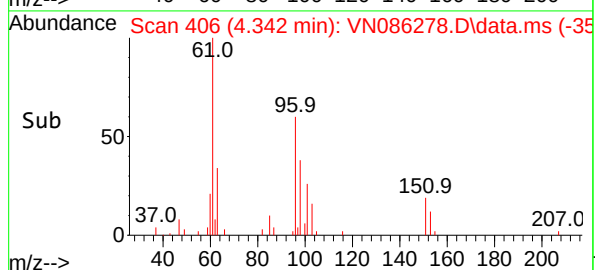
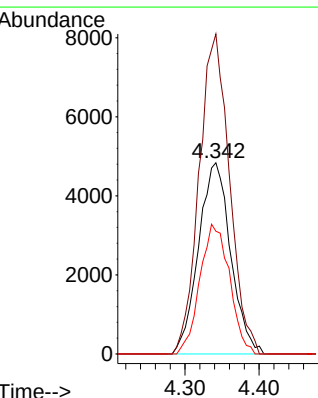
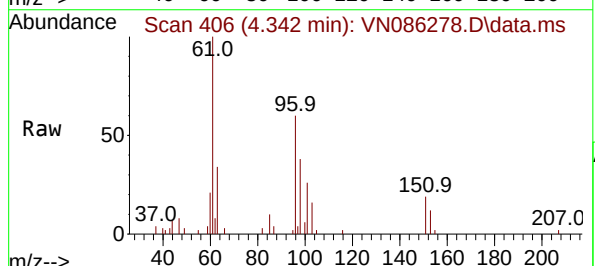
Tgt Ion: 96 Resp: 14583

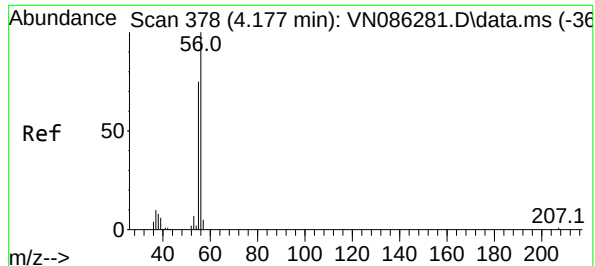
Ion Ratio Lower Upper

96 100

61 167.4 126.6 189.8

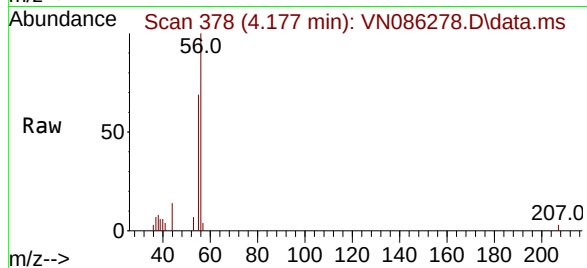
98 64.2 49.6 74.4





#13
Acrolein
Concen: 35.938 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

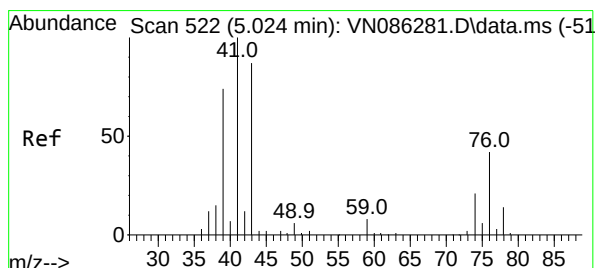
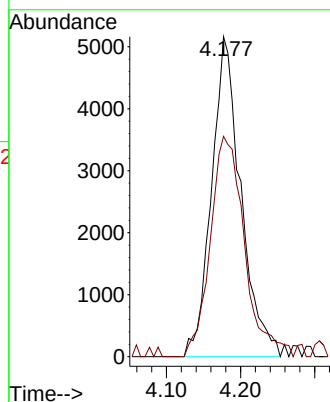
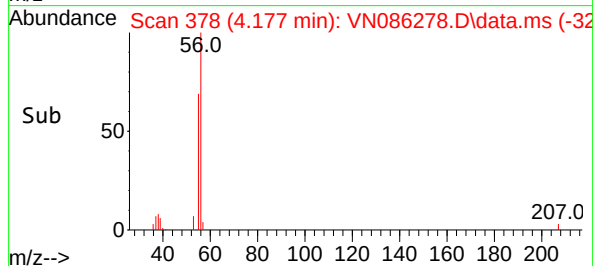
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



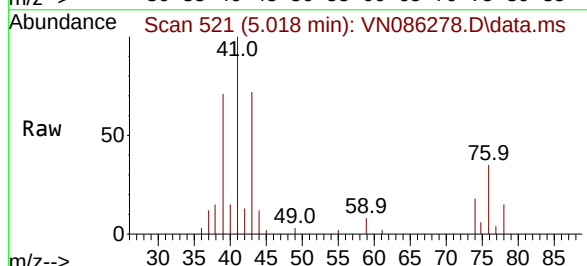
Tgt Ion: 56 Resp: 1413
Ion Ratio Lower Upper
56 100
55 80.3 58.5 87.7

Manual Integrations
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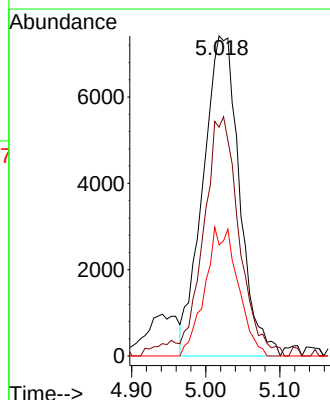
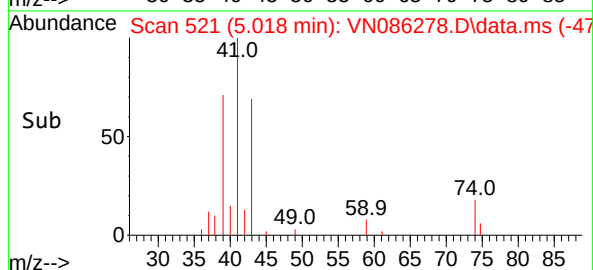
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

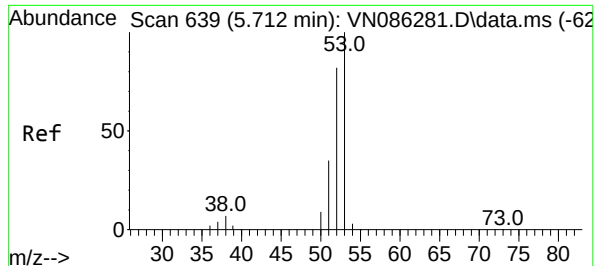


#14
Allyl chloride
Concen: 5.174 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21



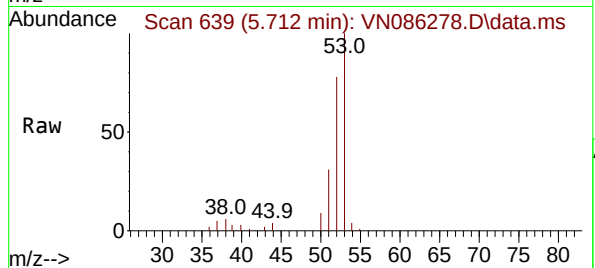
Tgt Ion: 41 Resp: 25369
Ion Ratio Lower Upper
41 100
39 74.8 59.2 88.8
76 36.4 31.2 46.8





#15
Acrylonitrile
Concen: 26.709 ug/l
RT: 5.712 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

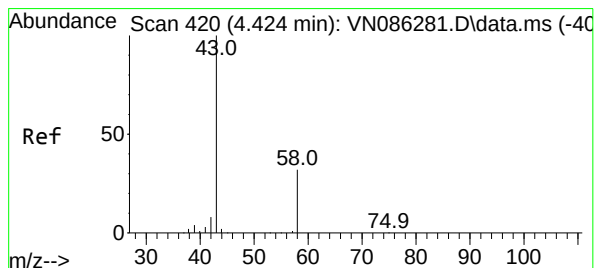
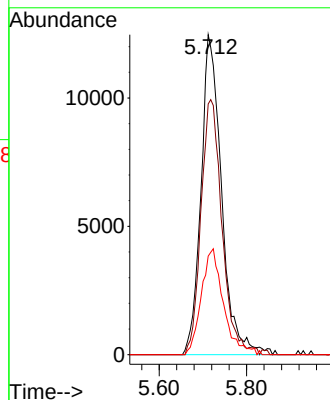
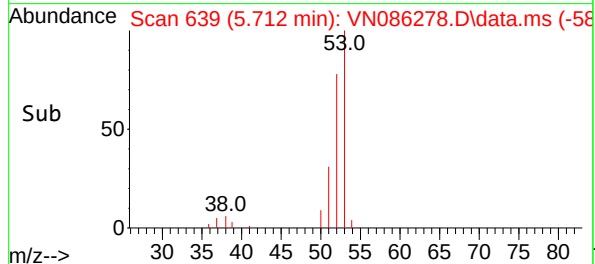
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 53 Resp: 40960
Ion Ratio Lower Upper
53 100
52 80.2 65.5 98.3
51 35.5 28.6 42.8

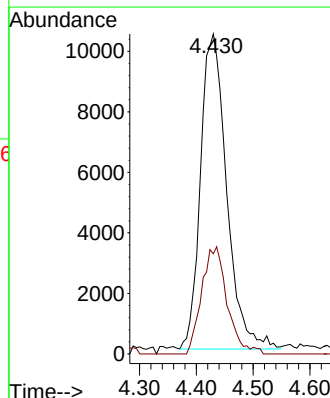
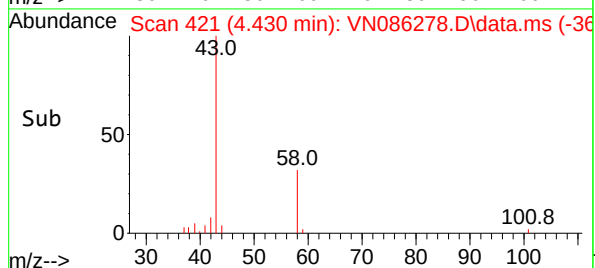
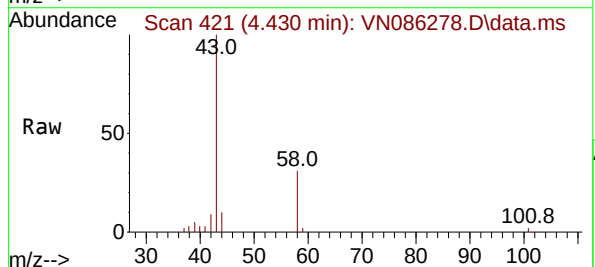
Manual Integrations
APPROVED

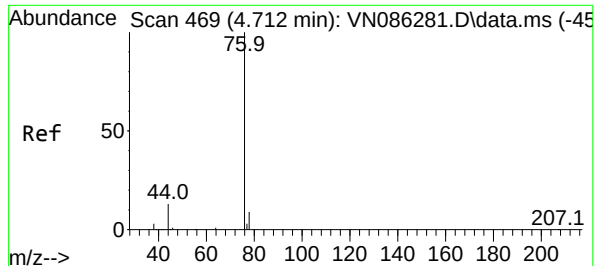
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#16
Acetone
Concen: 23.124 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

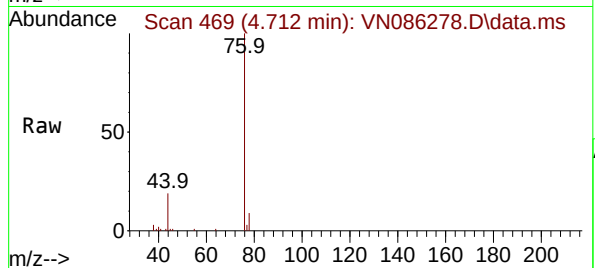
Tgt Ion: 43 Resp: 33298
Ion Ratio Lower Upper
43 100
58 31.8 25.3 37.9





#17
Carbon Disulfide
Concen: 5.289 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

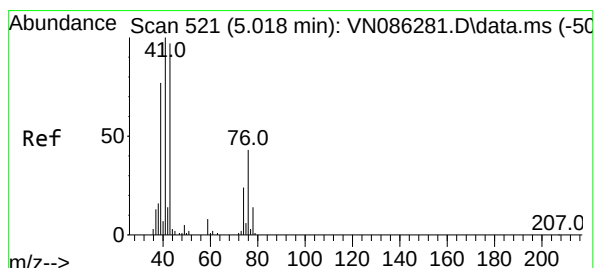
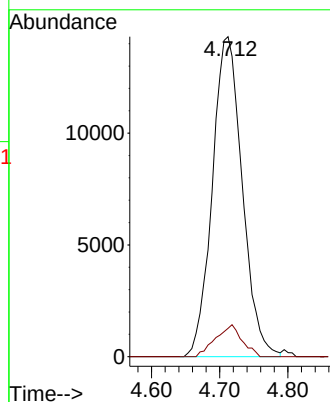
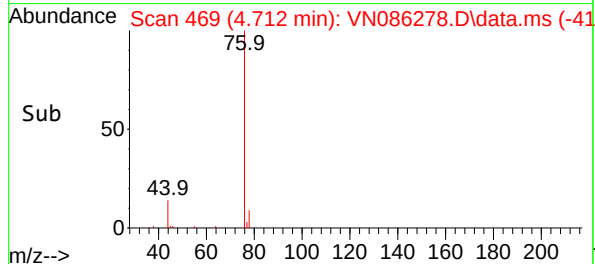
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 76 Resp: 43700
Ion Ratio Lower Upper
76 100
78 8.8 7.6 11.4

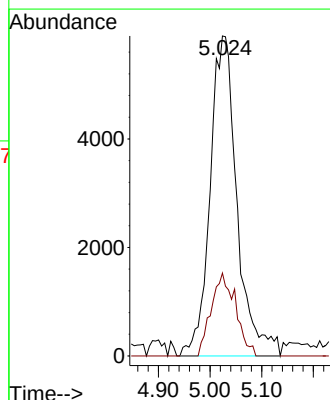
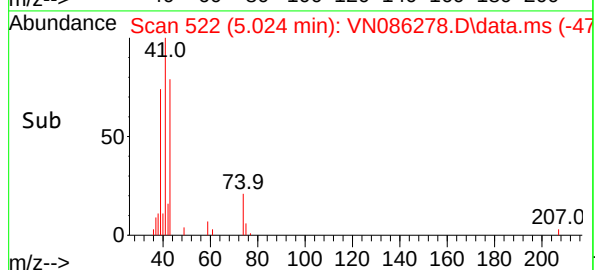
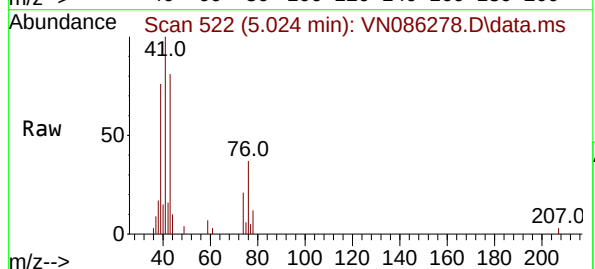
Manual Integrations
APPROVED

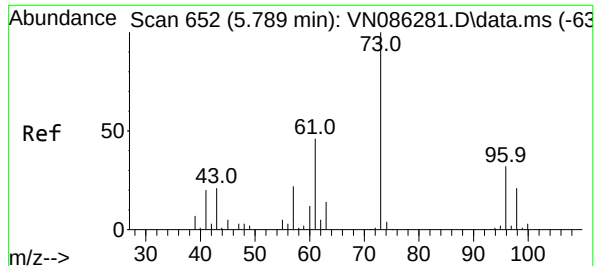
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#18
Methyl Acetate
Concen: 5.239 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

Tgt Ion: 43 Resp: 21384
Ion Ratio Lower Upper
43 100
74 23.4 19.8 29.6





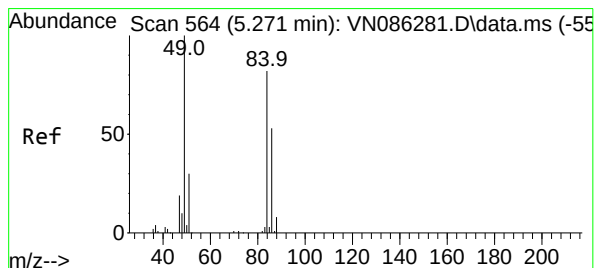
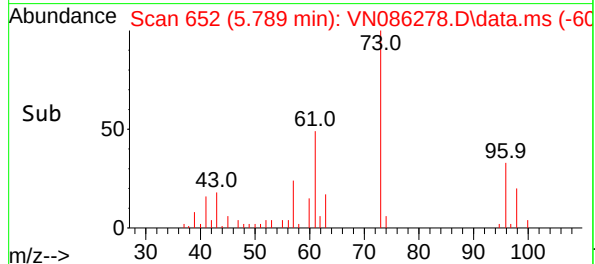
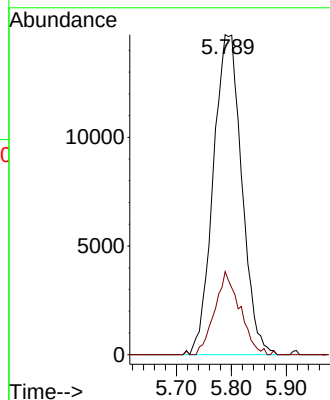
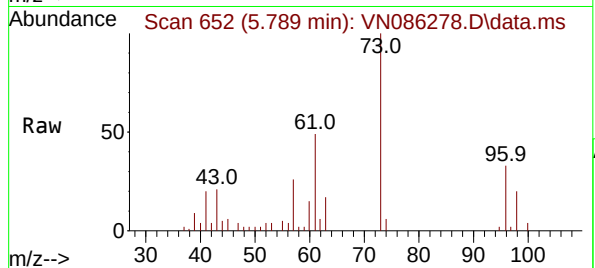
#19
Methyl tert-butyl Ether
Concen: 5.238 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 53138
Ion Ratio Lower Upper
73 100
57 26.0 17.6 26.4

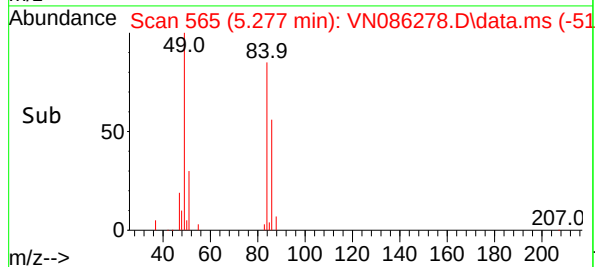
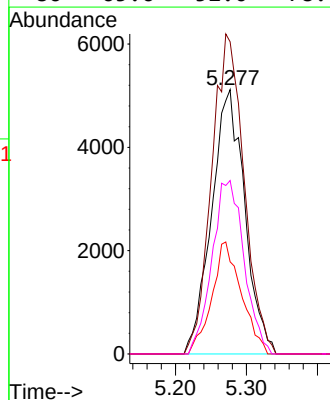
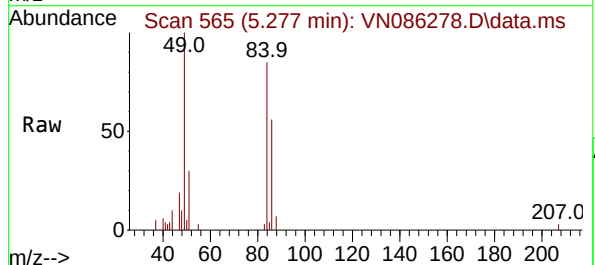
Manual Integrations
APPROVED

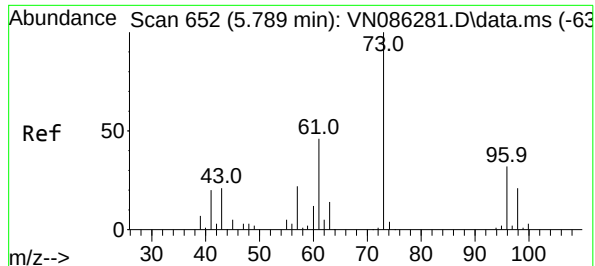
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#20
Methylene Chloride
Concen: 5.270 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

Tgt Ion: 84 Resp: 16566
Ion Ratio Lower Upper
84 100
49 118.1 98.2 147.2
51 34.9 29.8 44.6
86 65.6 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 5.331 ug/l

RT: 5.783 min Scan# 61

Delta R.T. -0.006 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 96 Resp: 15380

Ion Ratio Lower Upper

96 100

61 144.8 114.6 171.8

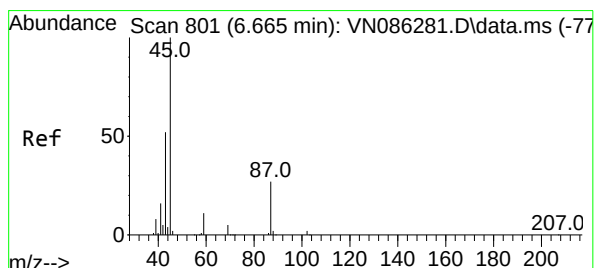
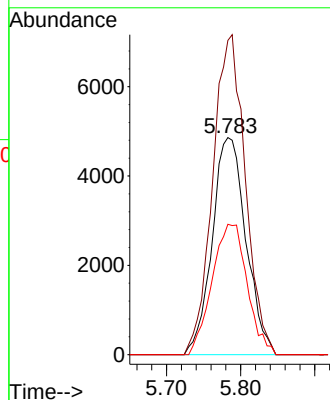
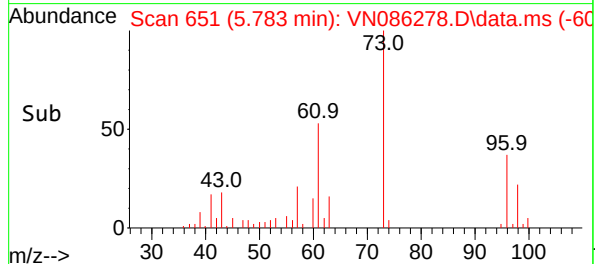
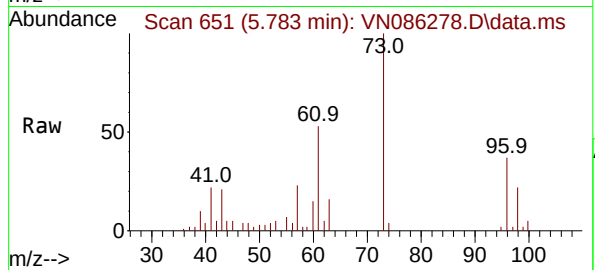
98 60.1 51.2 76.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#22

Diisopropyl ether

Concen: 5.239 ug/l

RT: 6.665 min Scan# 801

Delta R.T. -0.000 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

Tgt Ion: 45 Resp: 55913

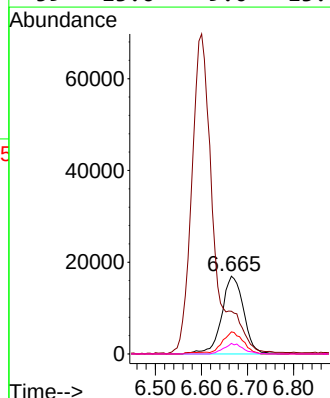
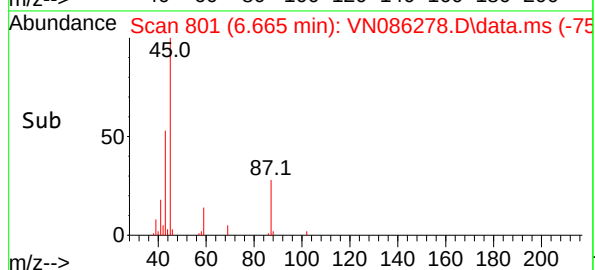
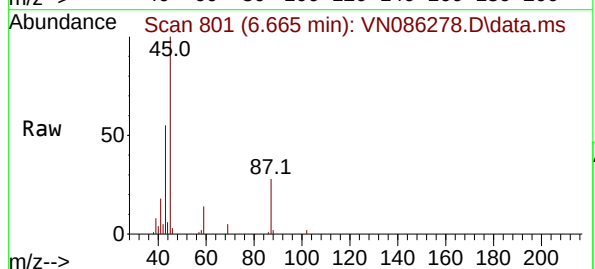
Ion Ratio Lower Upper

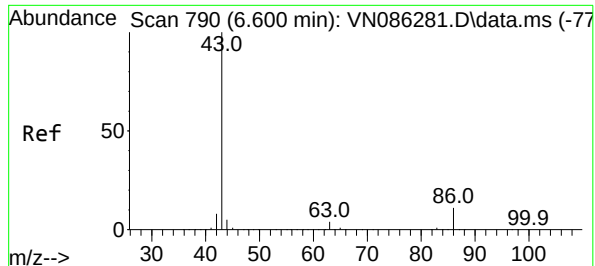
45 100

43 52.8 41.8 62.8

87 28.4 21.6 32.4

59 13.6 9.0 13.4#





#23
Vinyl Acetate
Concen: 27.614 ug/l m
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

Instrument :

MSVOA_N

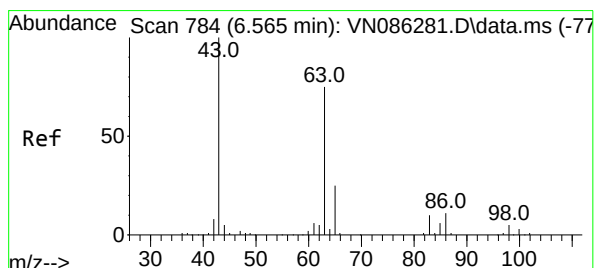
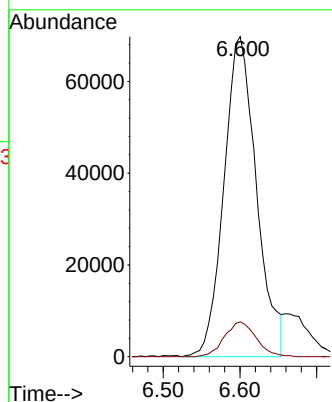
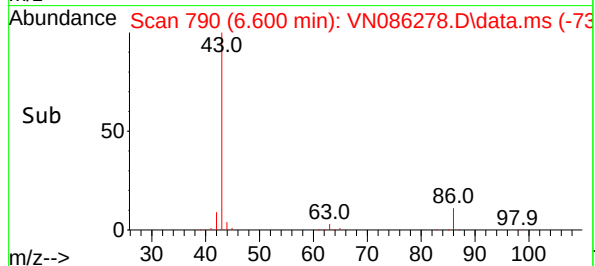
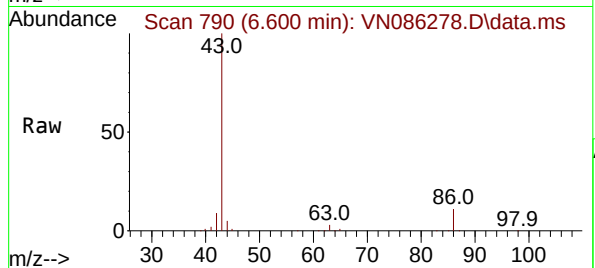
ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 20595
Ion Ratio Lower Upper
43 100
86 10.9 8.6 13.0

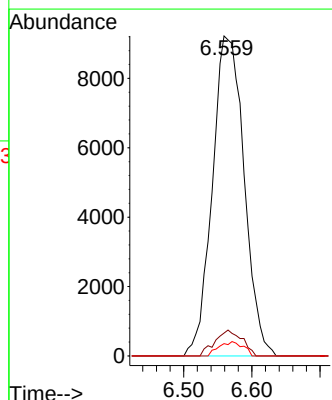
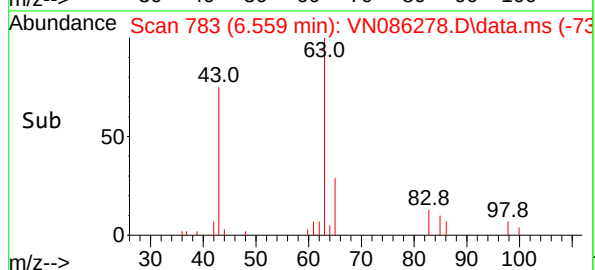
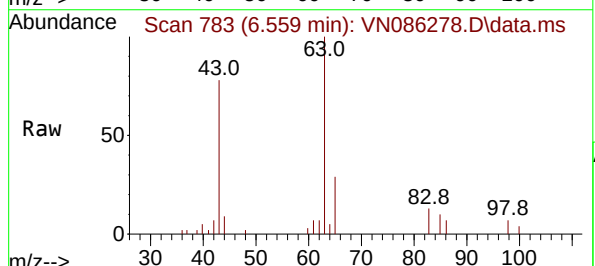
Manual Integrations
APPROVED

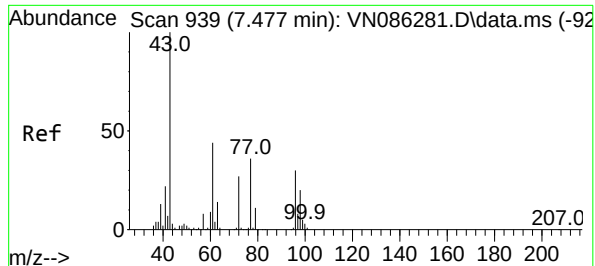
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#24
1,1-Dichloroethane
Concen: 5.304 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.006 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

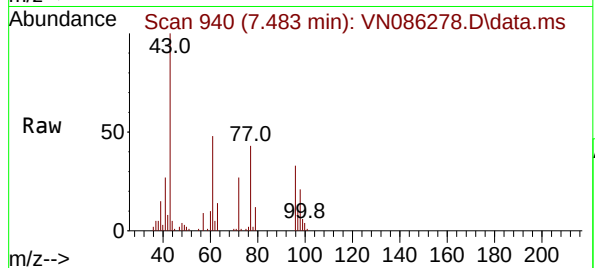
Tgt Ion: 63 Resp: 29865
Ion Ratio Lower Upper
63 100
98 7.2 3.4 10.2
100 3.9 2.1 6.5





#25
2-Butanone
Concen: 26.210 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

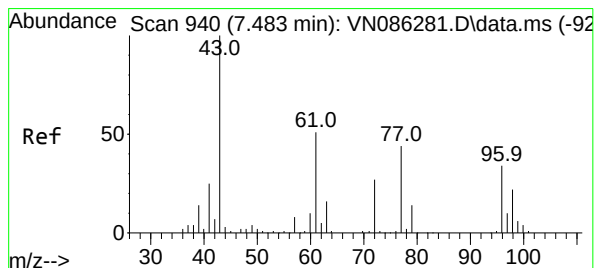
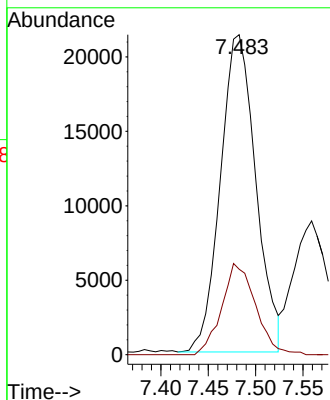
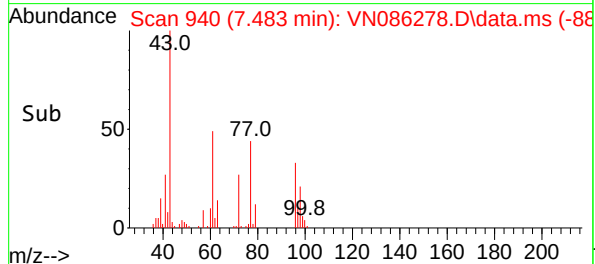
Instrument :
MSVOA_N
Client Sample Id :
VSTDIC005



Tgt Ion: 43 Resp: 55470
Ion Ratio Lower Upper
43 100
72 26.9 21.7 32.5

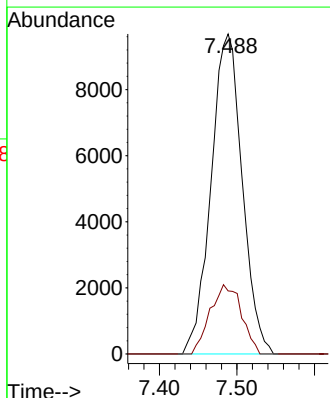
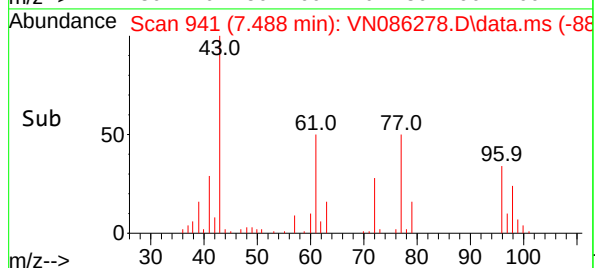
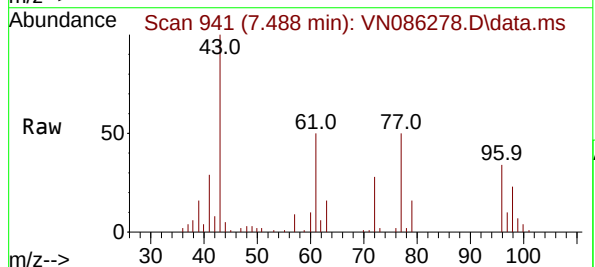
Manual Integrations
APPROVED

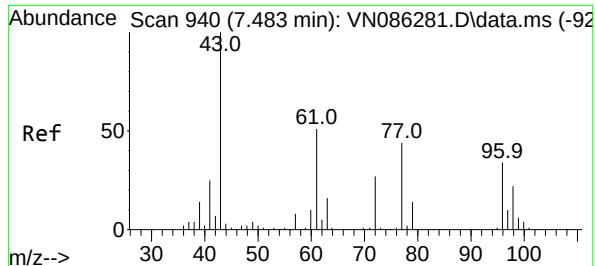
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#26
2,2-Dichloropropane
Concen: 5.365 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

Tgt Ion: 77 Resp: 27048
Ion Ratio Lower Upper
77 100
97 21.7 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 5.301 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 1898

Ion Ratio Lower Upper

96 100

61 145.6 0.0 299.0

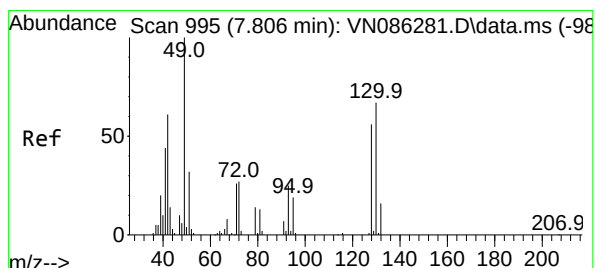
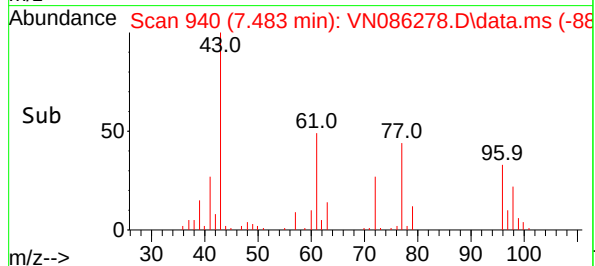
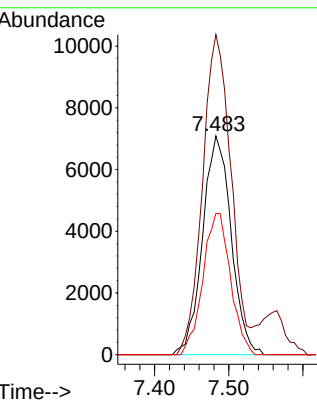
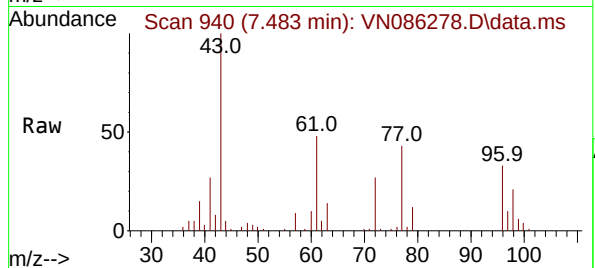
98 62.3 0.0 129.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#28

Bromochloromethane

Concen: 5.967 ug/l

RT: 7.806 min Scan# 995

Delta R.T. -0.000 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

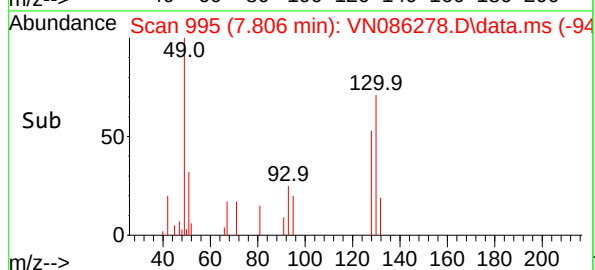
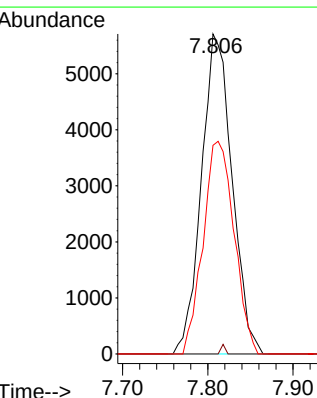
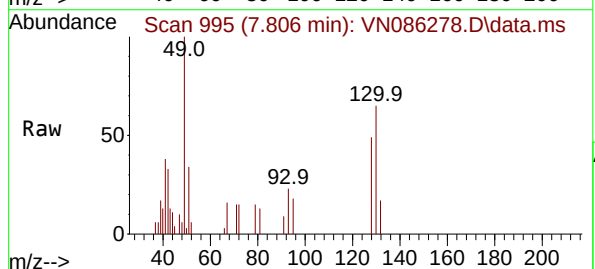
Tgt Ion: 49 Resp: 14246

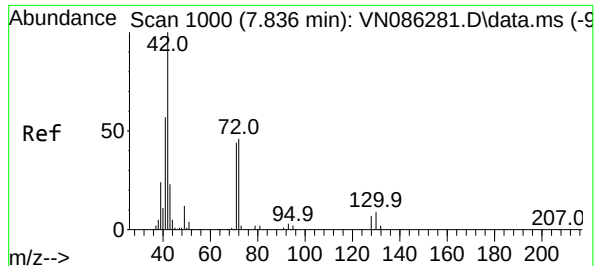
Ion Ratio Lower Upper

49 100

129 0.4 0.0 3.4

130 67.3 57.1 85.7





#29

Tetrahydrofuran

Concen: 26.453 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

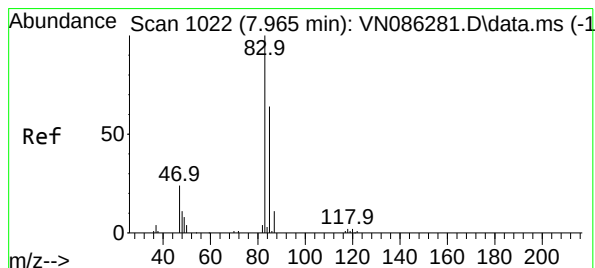
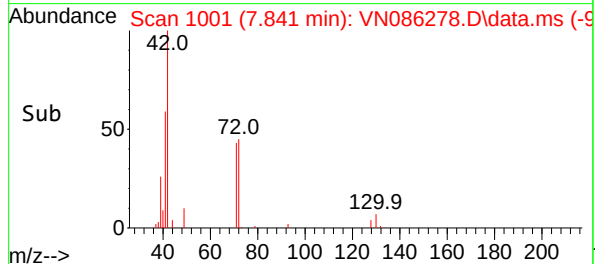
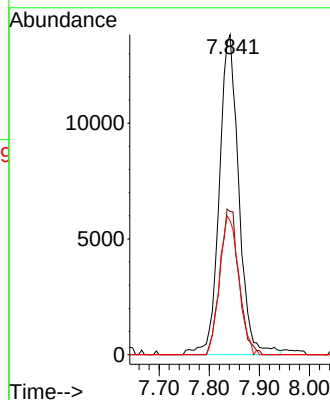
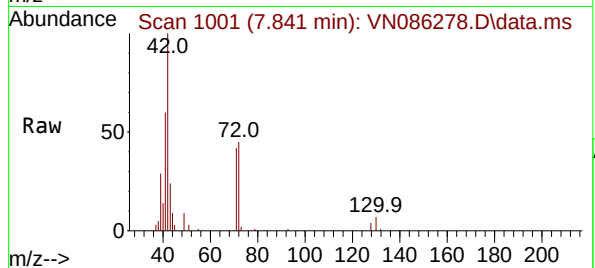
Tgt Ion:	42	Resp:	3743
Ion	Ratio	Lower	Upper
42	100		
72	44.3	36.2	54.4
71	42.1	34.0	51.0

Manual Integrations

APPROVED

Reviewed By :John Carbone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#30

Chloroform

Concen: 5.225 ug/l

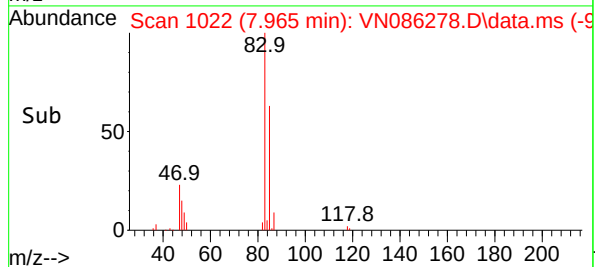
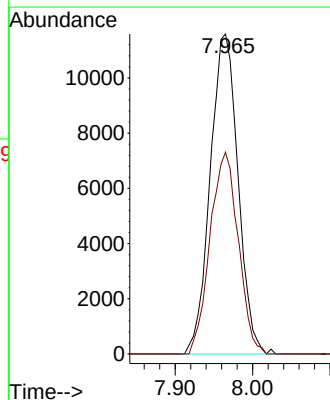
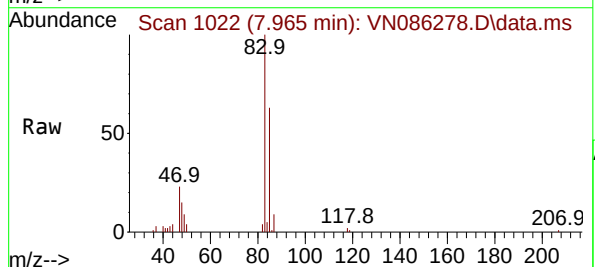
RT: 7.965 min Scan# 1022

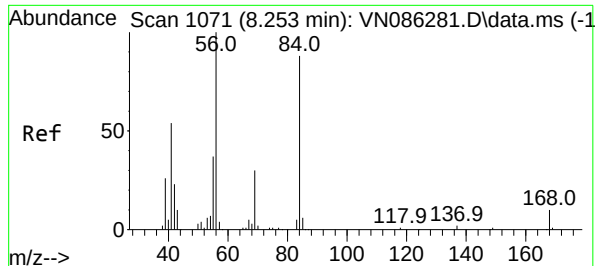
Delta R.T. -0.000 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

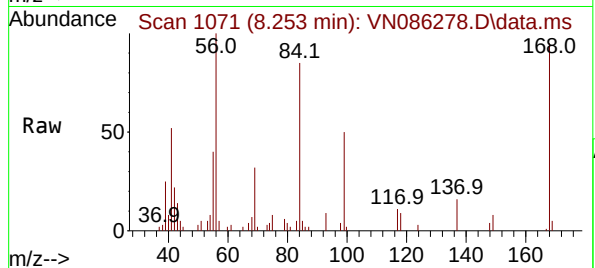
Tgt Ion:	83	Resp:	28901
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.5	77.3





#31
Cyclohexane
Concen: 6.122 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

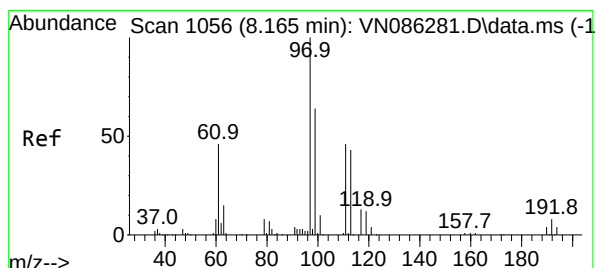
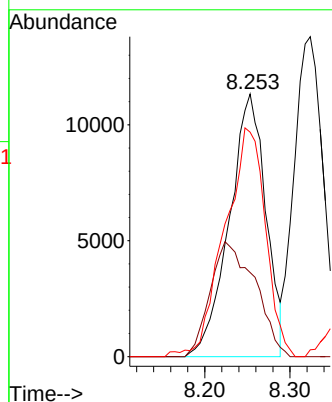
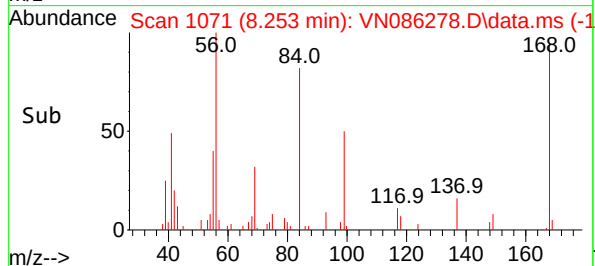
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



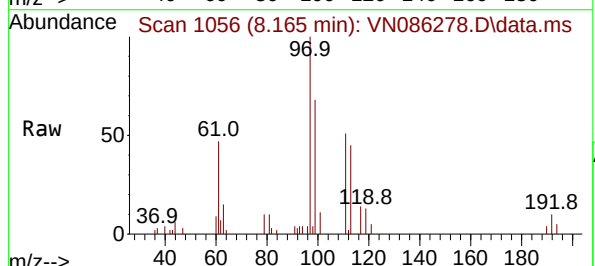
Tgt Ion: 56 Resp: 33730
Ion Ratio Lower Upper
56 100
69 32.0 24.2 36.2
84 83.8 70.3 105.5

Manual Integrations
APPROVED

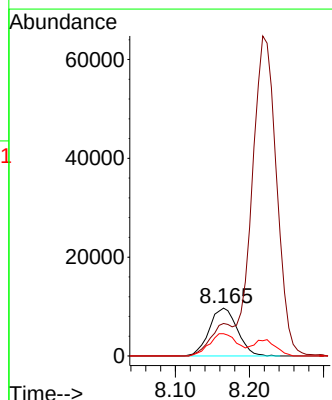
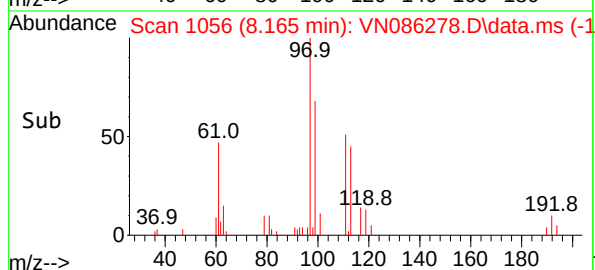
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

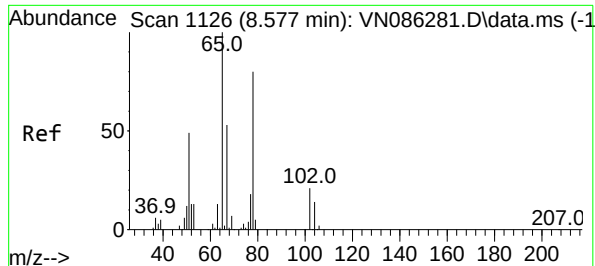


#32
1,1,1-Trichloroethane
Concen: 5.365 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21



Tgt Ion: 97 Resp: 25387
Ion Ratio Lower Upper
97 100
99 53.1 52.7 79.1
61 46.2 39.5 59.3





#33

1,2-Dichloroethane-d4

Concen: 5.143 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 1748

Ion Ratio Lower Upper

65 100

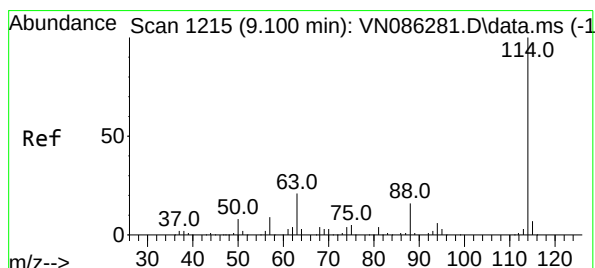
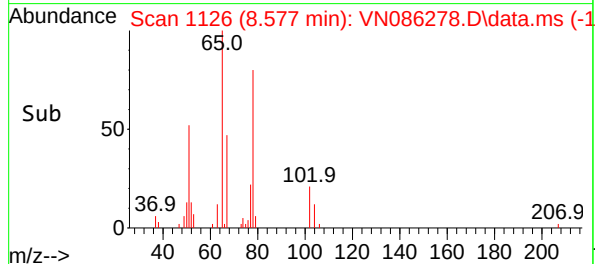
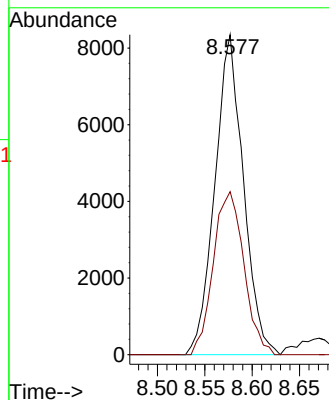
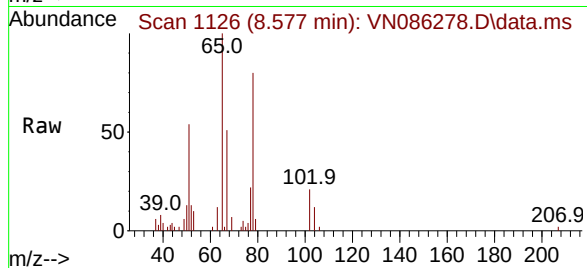
67 54.6 0.0 106.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

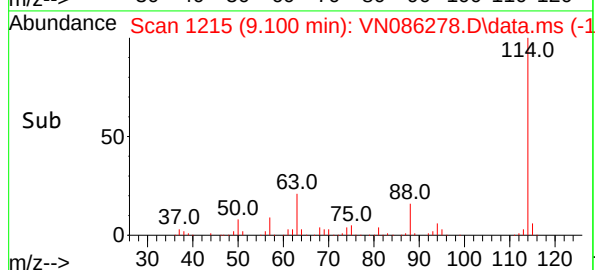
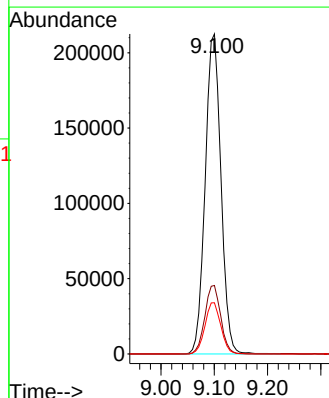
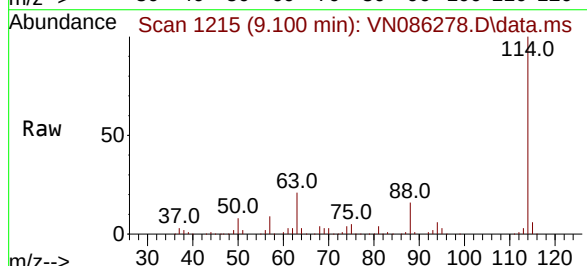
Tgt Ion:114 Resp: 436245

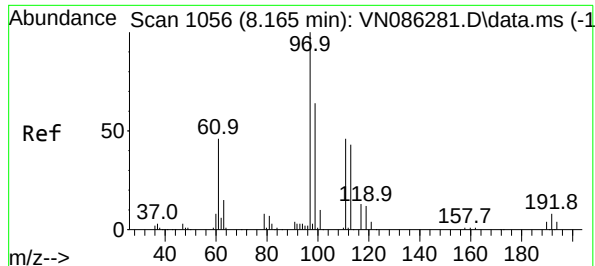
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.6

88 16.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 5.759 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:113 Resp: 11660

Ion Ratio Lower Upper

113 100

111 100.7 83.4 125.0

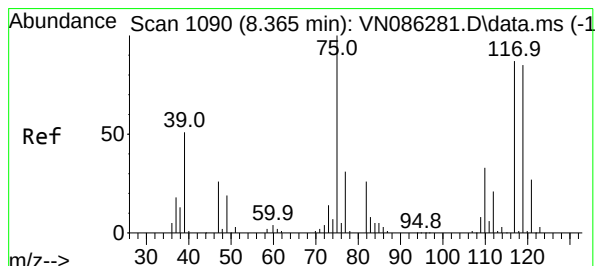
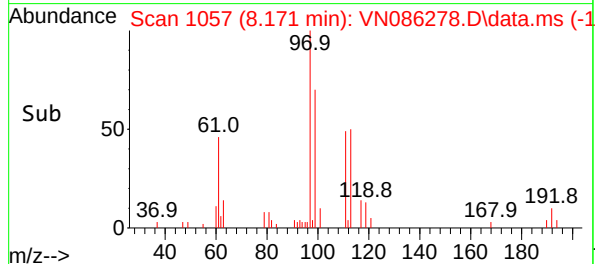
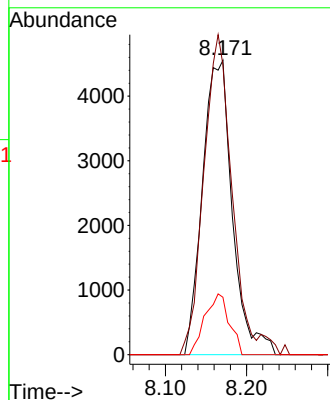
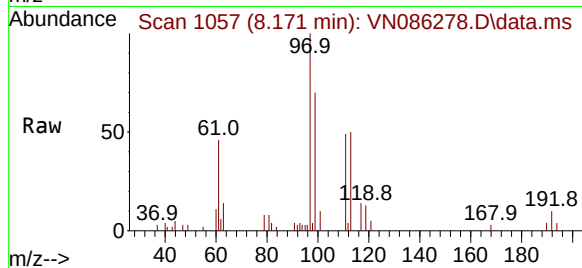
192 16.7 13.7 20.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#36

1,1-Dichloropropene

Concen: 5.270 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

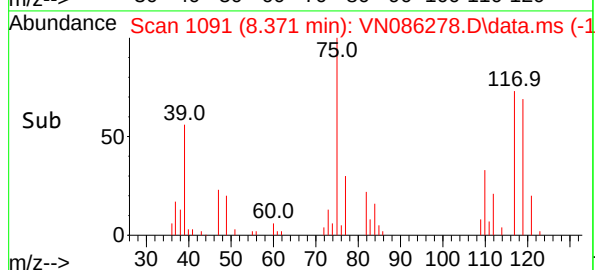
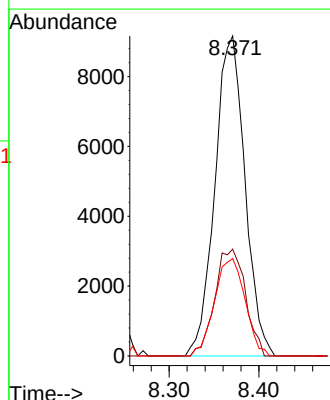
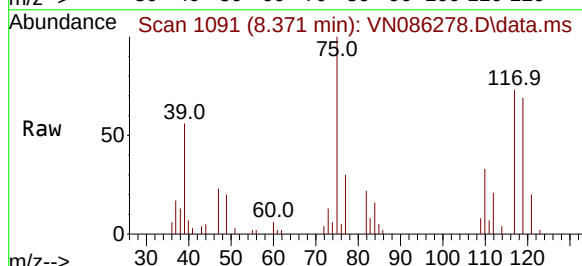
Tgt Ion: 75 Resp: 21310

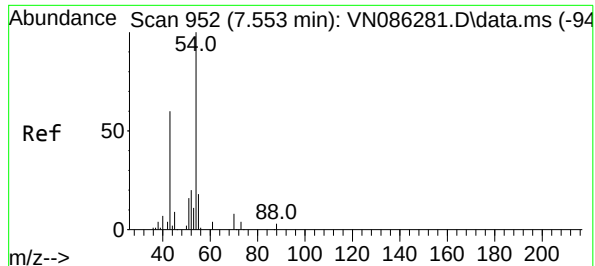
Ion Ratio Lower Upper

75 100

110 34.0 16.8 50.4

77 31.0 24.9 37.3





#37

Ethyl Acetate

Concen: 5.216 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 22200

Ion Ratio Lower Upper

43 100

61 14.5 11.1 16.7

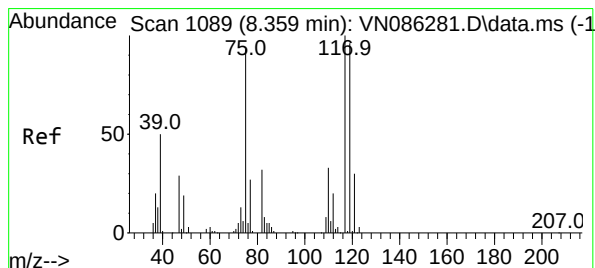
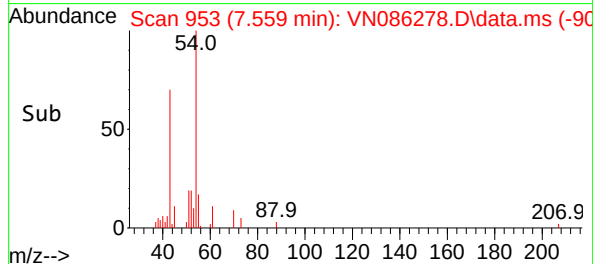
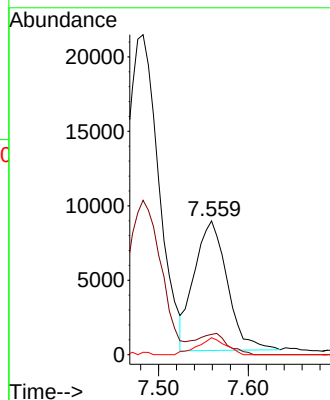
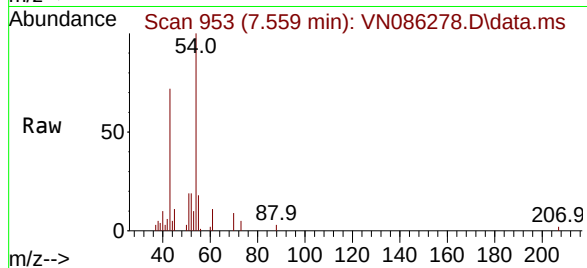
70 11.0 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#38

Carbon Tetrachloride

Concen: 5.335 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

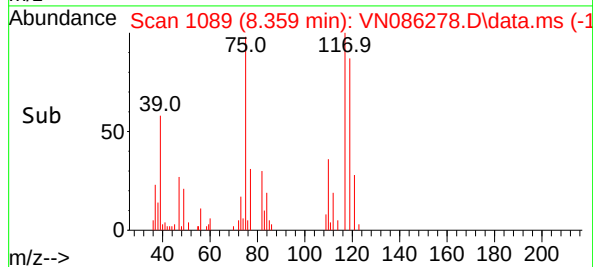
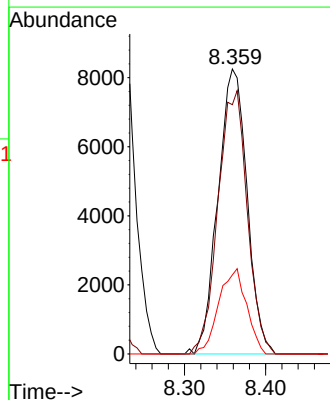
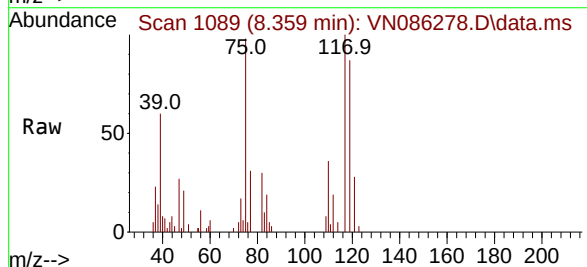
Tgt Ion:117 Resp: 20544

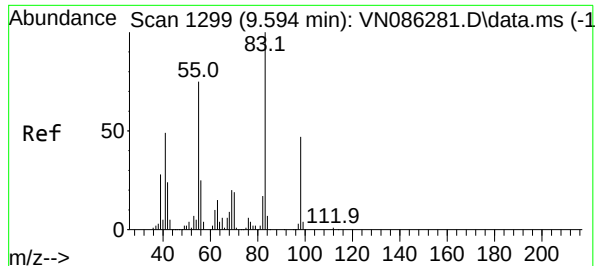
Ion Ratio Lower Upper

117 100

119 87.5 76.8 115.2

121 27.7 23.8 35.8





#39

Methylcyclohexane

Concen: 5.251 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.000 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

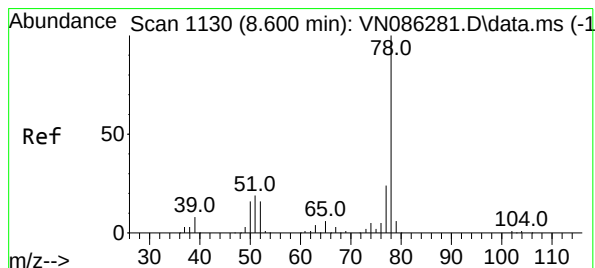
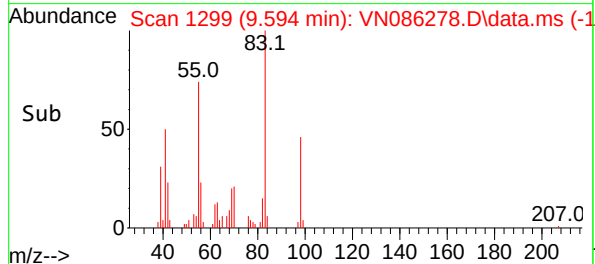
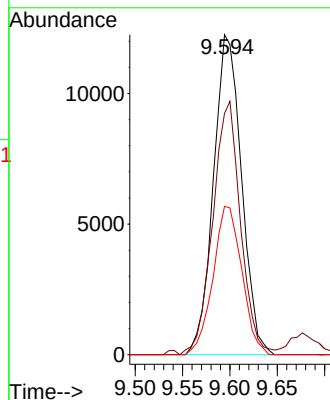
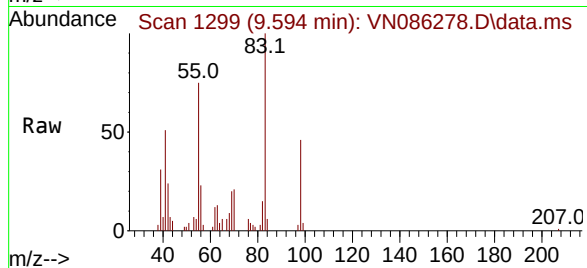
Tgt Ion:	83	Resp:	2524
Ion	Ratio	Lower	Upper
83	100		
55	75.4	59.8	89.8
98	46.3	37.9	56.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#40

Benzene

Concen: 5.202 ug/l

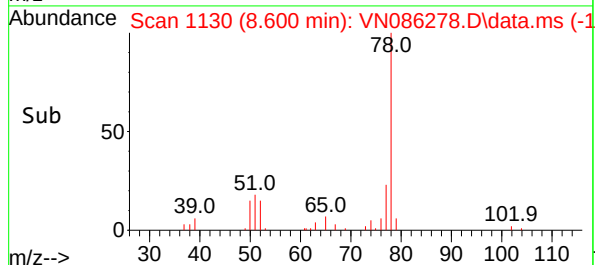
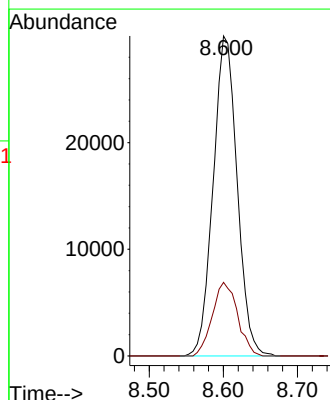
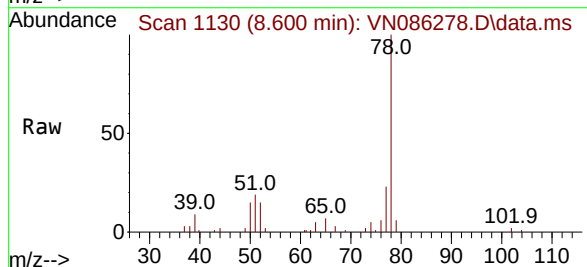
RT: 8.600 min Scan# 1130

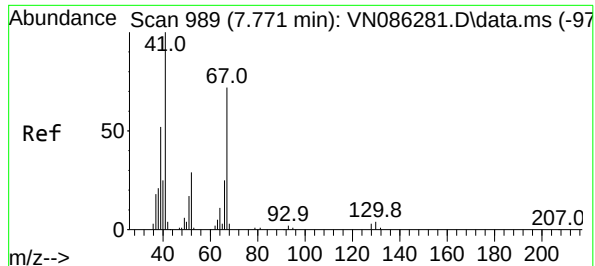
Delta R.T. -0.000 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

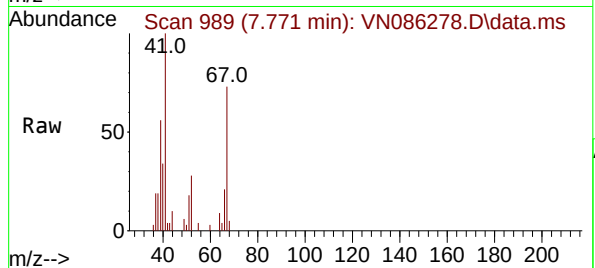
Tgt Ion:	78	Resp:	67406
Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.4	29.2





#41
Methacrylonitrile
Concen: 5.047 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

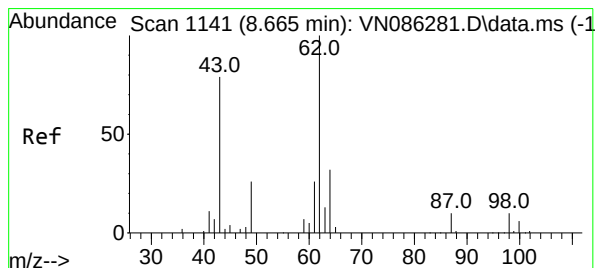
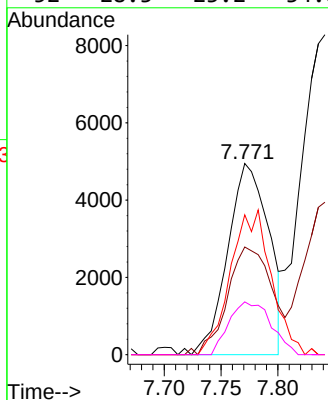
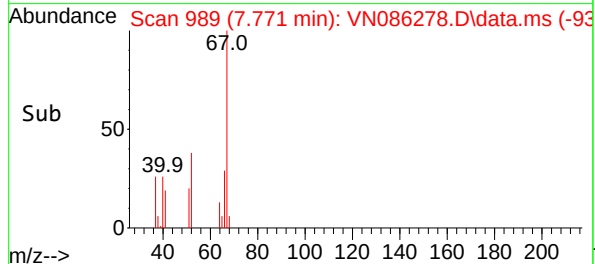
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 41 Resp: 12454
Ion Ratio Lower Upper
41 100
39 61.1 43.0 64.4
67 75.0 58.8 88.2
52 28.3 23.2 34.8

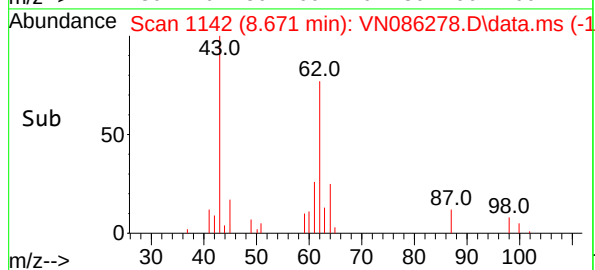
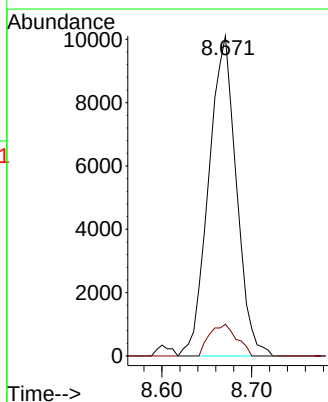
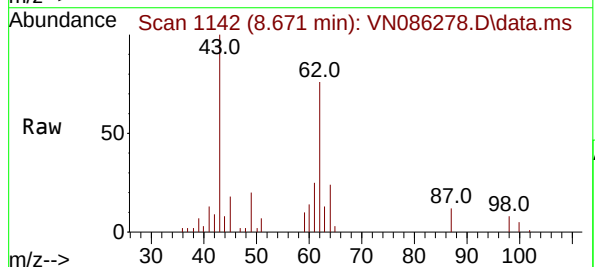
Manual Integrations
APPROVED

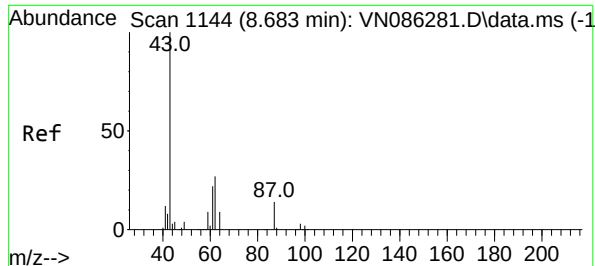
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#42
1,2-Dichloroethane
Concen: 5.237 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

Tgt Ion: 62 Resp: 21638
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.2





#43

Isopropyl Acetate

Concen: 5.444 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.001 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

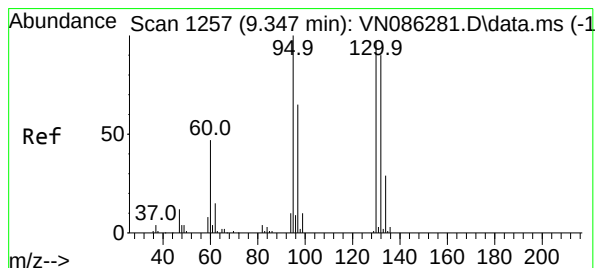
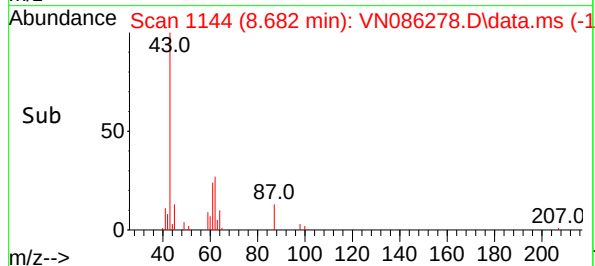
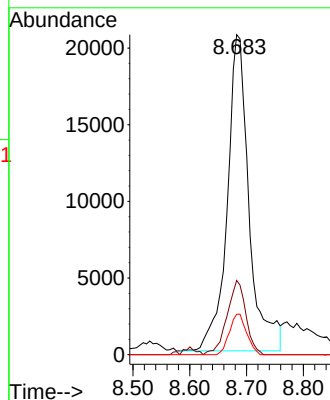
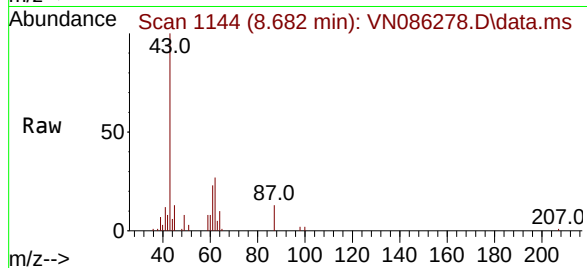
Tgt Ion:	43	Resp:	5510
Ion	Ratio	Lower	Upper
43	100		
61	20.2	20.5	30.7
87	10.1	10.5	15.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#44

Trichloroethene

Concen: 5.067 ug/l

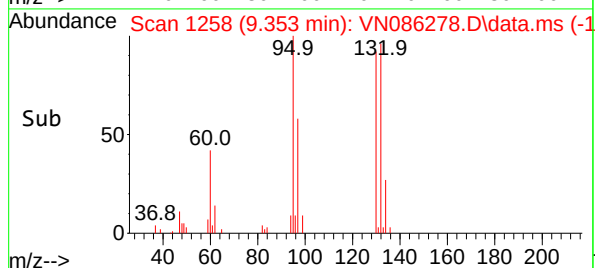
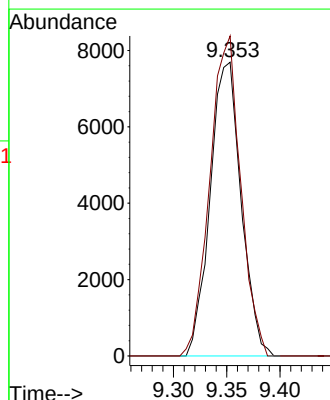
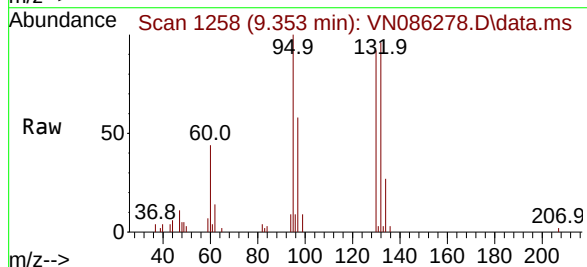
RT: 9.353 min Scan# 1258

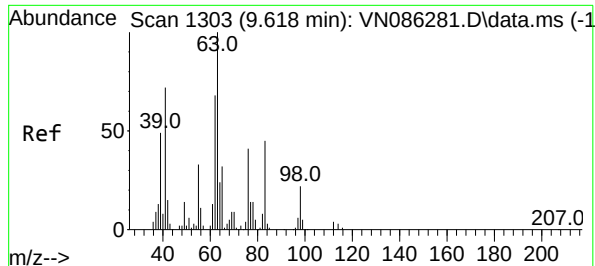
Delta R.T. 0.006 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

Tgt Ion:	130	Resp:	15562
Ion	Ratio	Lower	Upper
130	100		
95	108.9	0.0	207.2





#45

1,2-Dichloropropane

Concen: 5.272 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 16719

Ion Ratio Lower Upper

63 100

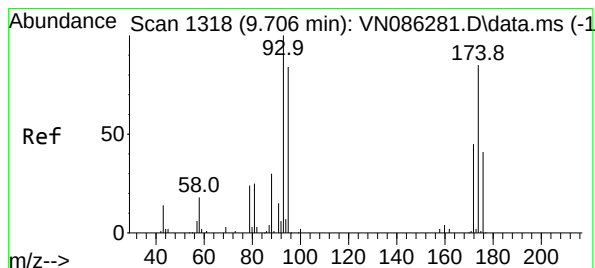
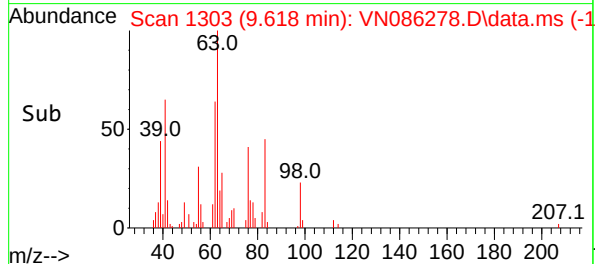
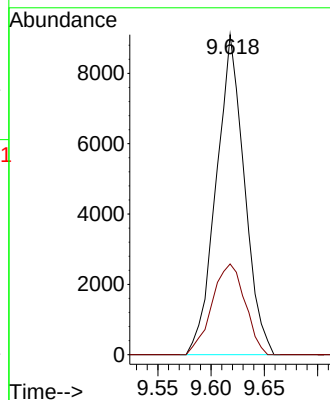
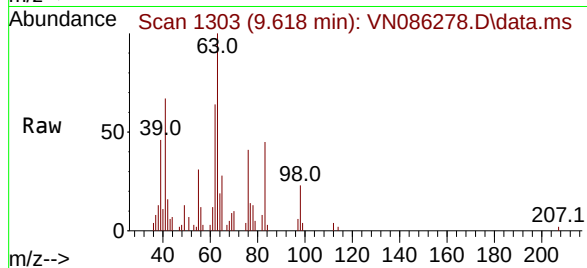
65 28.4 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#46

Dibromomethane

Concen: 5.262 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

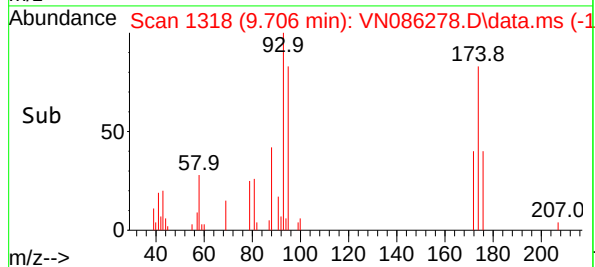
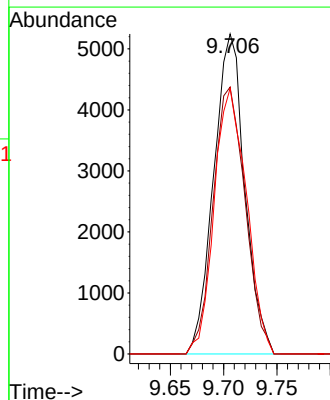
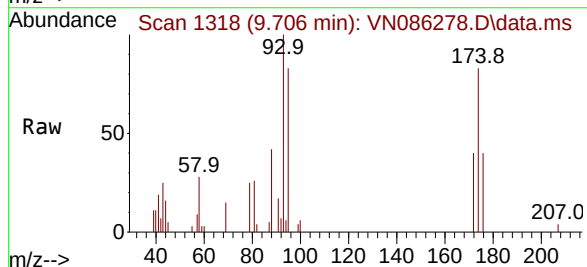
Tgt Ion: 93 Resp: 10633

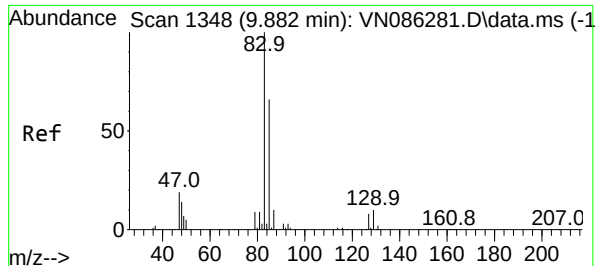
Ion Ratio Lower Upper

93 100

95 86.1 66.2 99.4

174 86.0 67.8 101.6





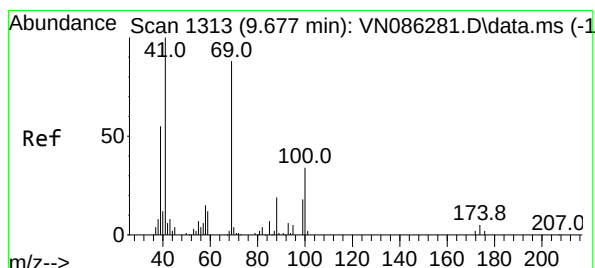
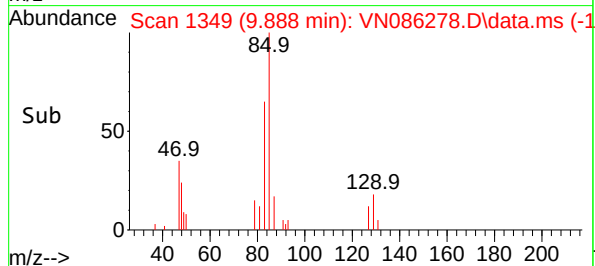
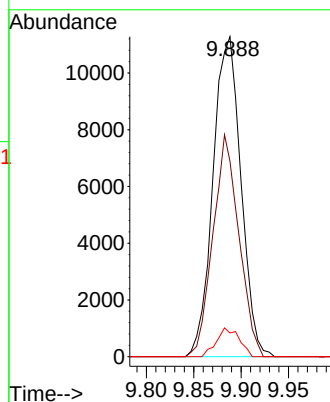
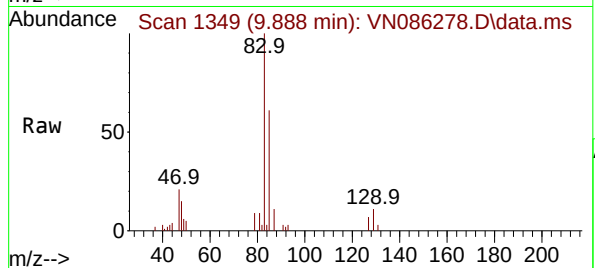
#47
Bromodichloromethane
Concen: 5.297 ug/l
RT: 9.888 min Scan# 1348
Delta R.T. 0.006 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 83 Resp: 23118
Ion Ratio Lower Upper
83 100
85 61.1 52.6 78.8
127 7.4 6.1 9.1

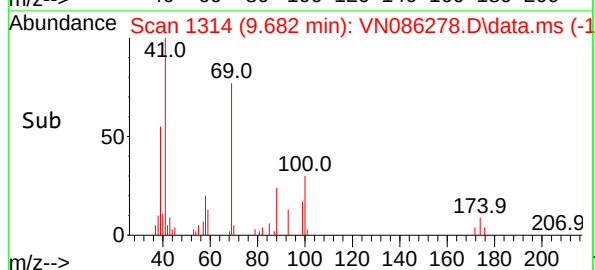
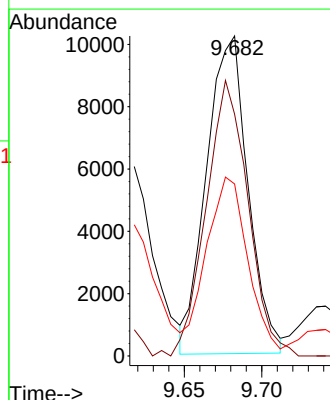
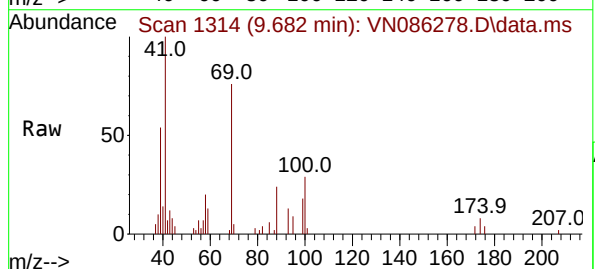
Manual Integrations
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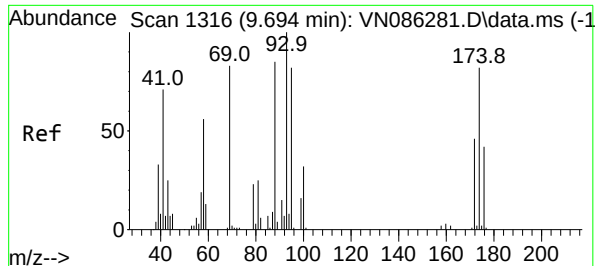
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#48
Methyl methacrylate
Concen: 5.087 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

Tgt Ion: 41 Resp: 19018
Ion Ratio Lower Upper
41 100
69 87.2 68.2 102.2
39 57.1 45.2 67.8





#49

1,4-Dioxane

Concen: 105.699 ug/l

RT: 9.688 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 88 Resp: 672

Ion Ratio Lower Upper

88 100

43 28.2 23.8 35.8

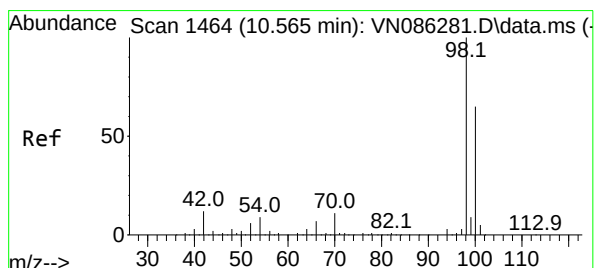
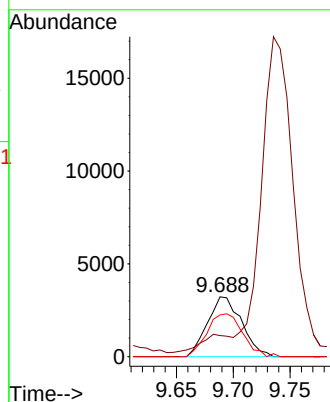
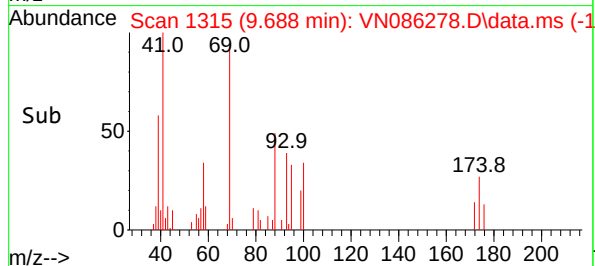
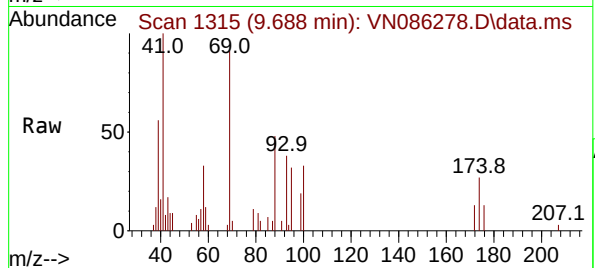
58 74.9 57.4 86.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#50

Toluene-d8

Concen: 5.028 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086278.D

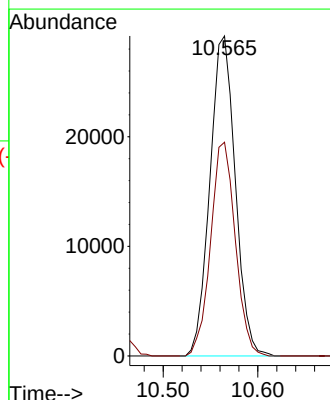
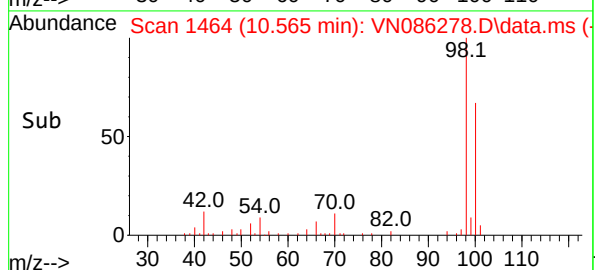
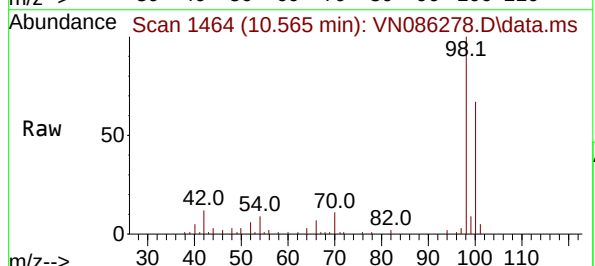
Acq: 15 Apr 2025 12:21

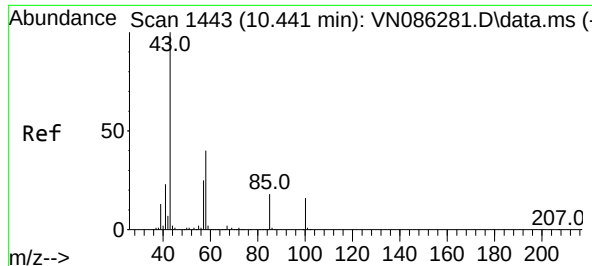
Tgt Ion: 98 Resp: 54403

Ion Ratio Lower Upper

98 100

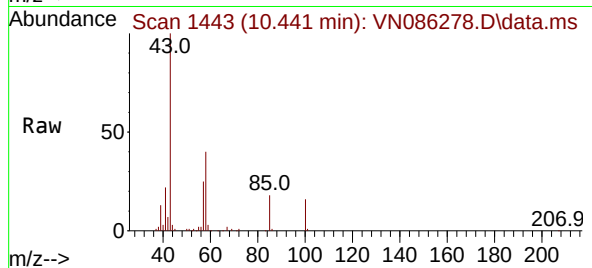
100 64.9 52.5 78.7





#51
4-Methyl-2-Pentanone
Concen: 26.097 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

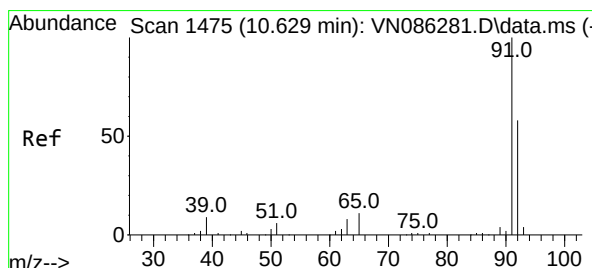
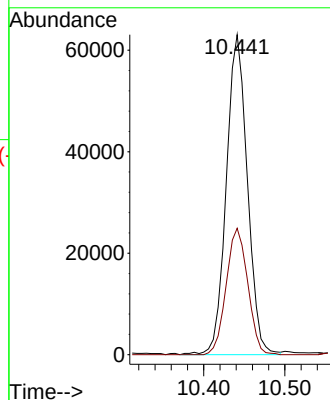
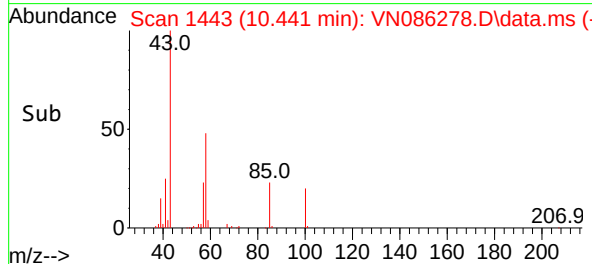
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 43 Resp: 11377
Ion Ratio Lower Upper
43 100
58 40.4 32.2 48.4

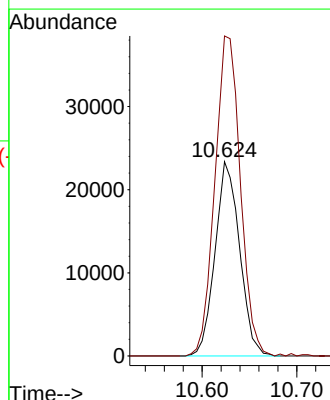
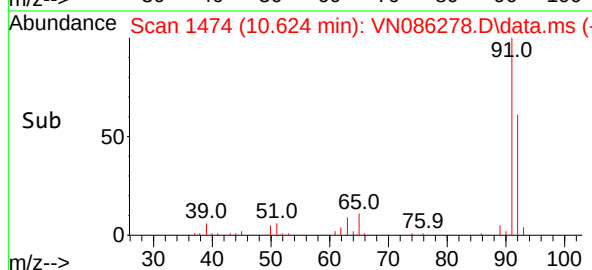
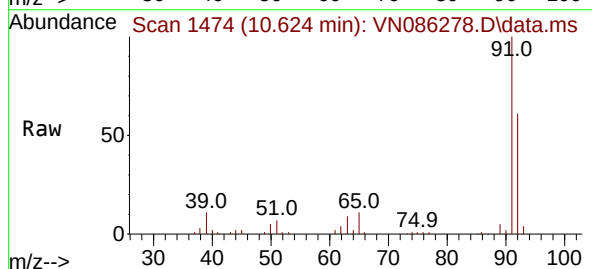
Manual Integrations
APPROVED

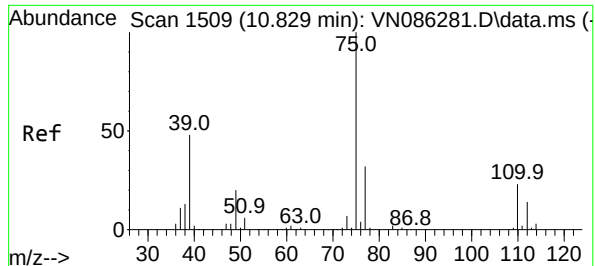
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#52
Toluene
Concen: 5.199 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

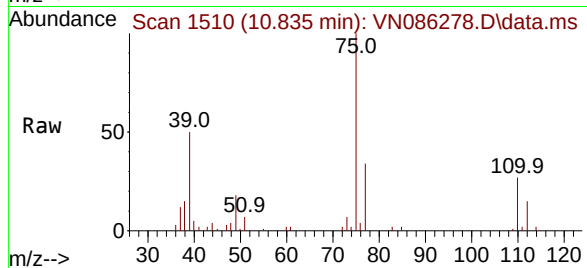
Tgt Ion: 92 Resp: 42032
Ion Ratio Lower Upper
92 100
91 171.2 137.3 205.9





#53
t-1,3-Dichloropropene
Concen: 5.136 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.006 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

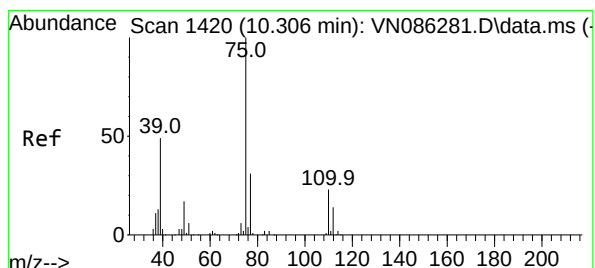
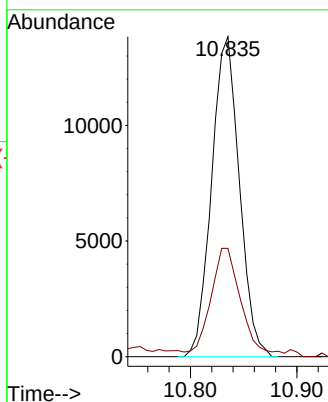
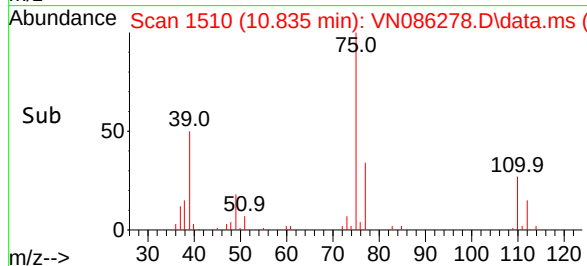
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 25020
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.0

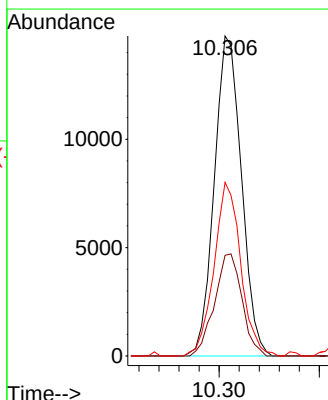
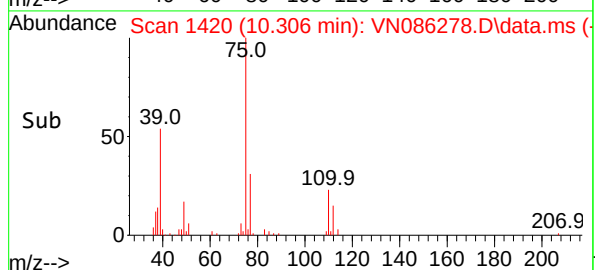
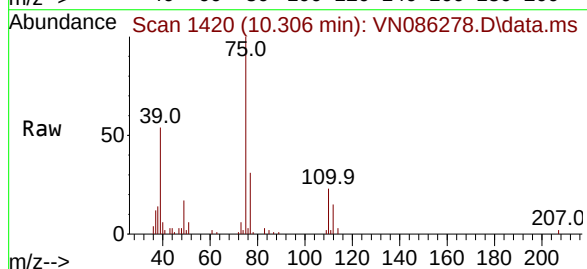
Manual Integrations
APPROVED

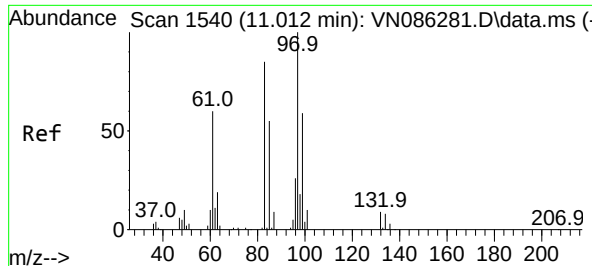
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#54
cis-1,3-Dichloropropene
Concen: 5.183 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

Tgt Ion: 75 Resp: 27737
Ion Ratio Lower Upper
75 100
77 31.4 25.2 37.8
39 54.3 39.3 58.9





#55

1,1,2-Trichloroethane

Concen: 5.349 ug/l

RT: 11.018 min Scan# 1540

Delta R.T. 0.006 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 1555

Ion Ratio Lower Upper

97 100

83 86.0 68.4 102.6

85 53.3 43.9 65.9

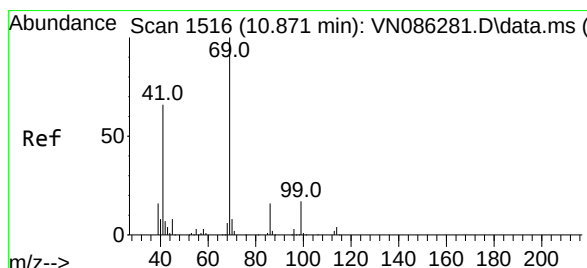
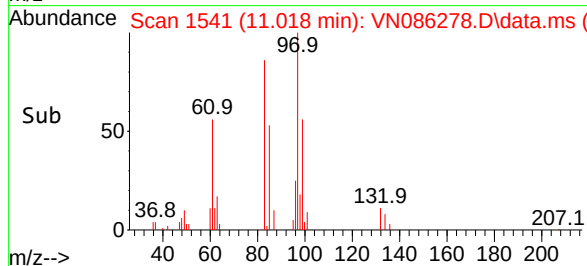
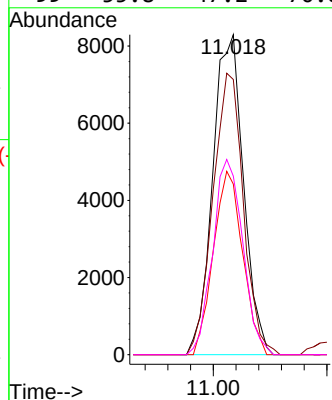
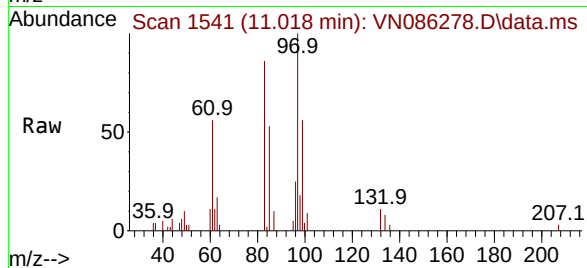
99 55.8 47.2 70.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#56

Ethyl methacrylate

Concen: 5.256 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

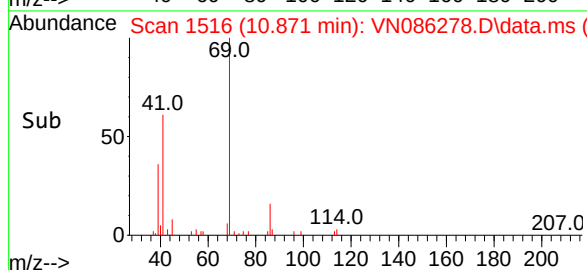
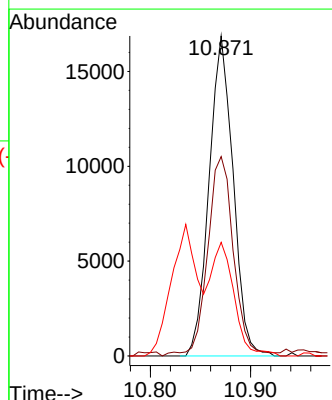
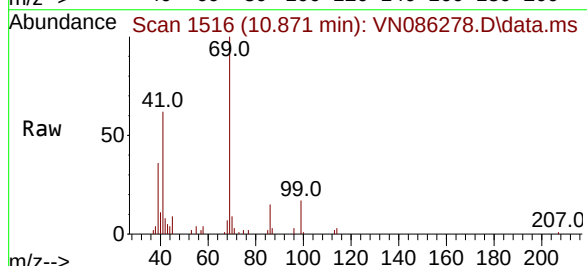
Tgt Ion: 69 Resp: 28102

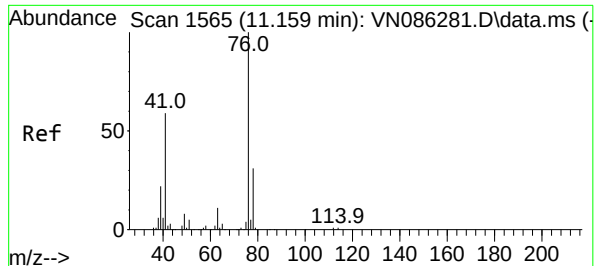
Ion Ratio Lower Upper

69 100

41 67.2 51.7 77.5

39 34.8 26.3 39.5





#57

1,3-Dichloropropane

Concen: 5.213 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. -0.000 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 2690

Ion Ratio Lower Upper

76 100

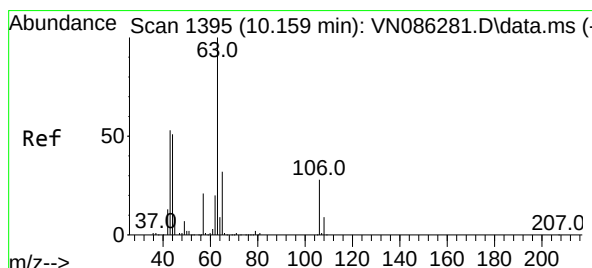
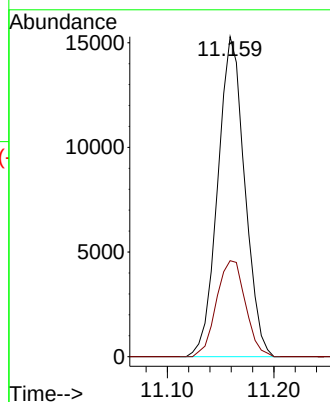
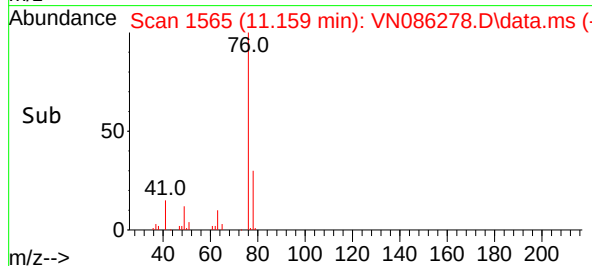
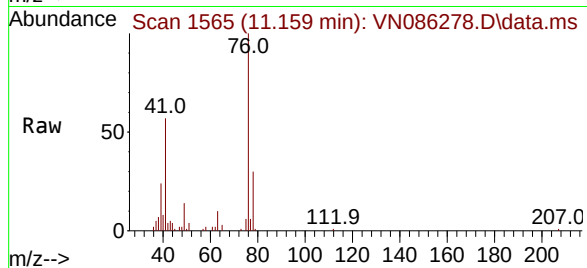
78 32.2 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#58

2-Chloroethyl Vinyl ether

Concen: 30.387 ug/l

RT: 10.153 min Scan# 1394

Delta R.T. -0.006 min

Lab File: VN086278.D

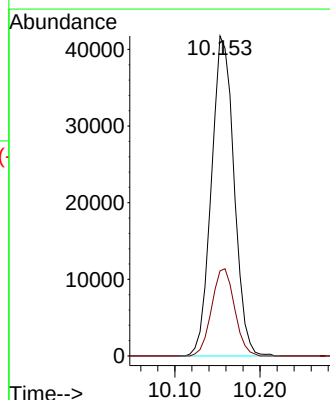
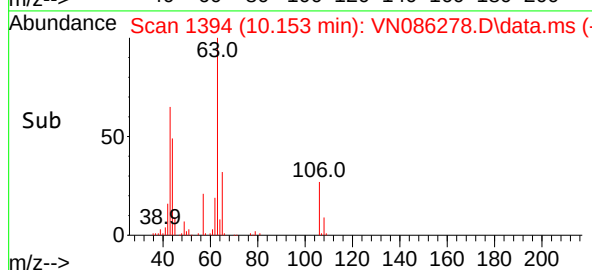
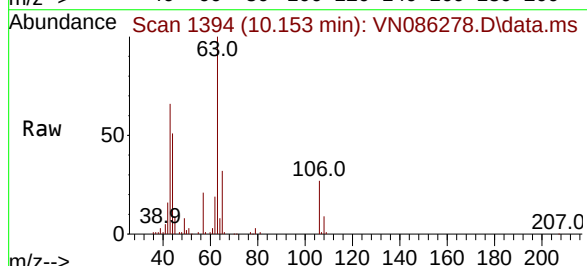
Acq: 15 Apr 2025 12:21

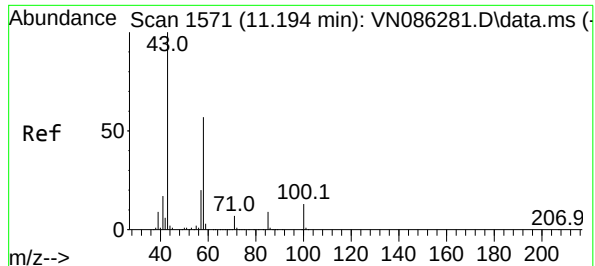
Tgt Ion: 63 Resp: 77113

Ion Ratio Lower Upper

63 100

106 27.6 22.2 33.2





#59

2-Hexanone

Concen: 26.113 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 8444

Ion Ratio Lower Upper

43 100

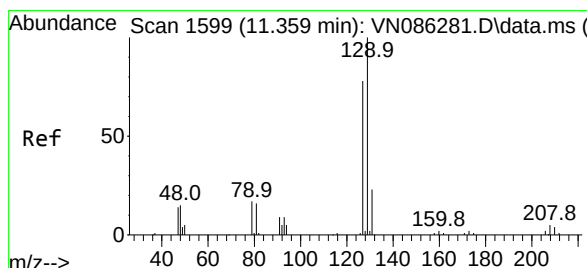
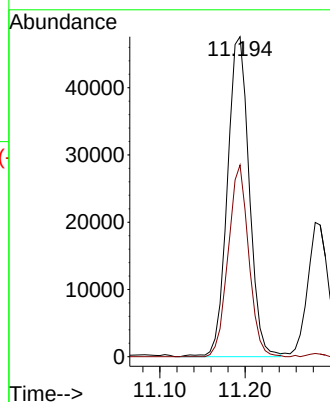
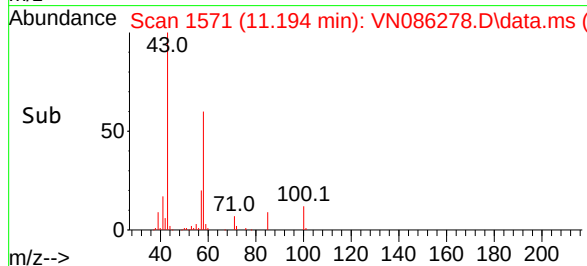
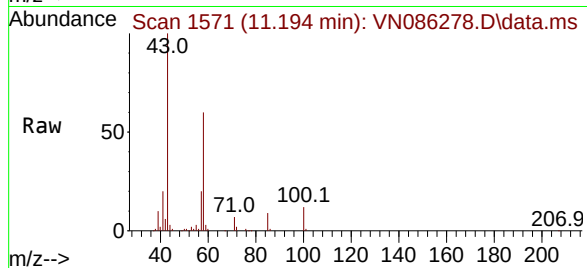
58 56.3 28.3 85.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#60

Dibromochloromethane

Concen: 5.201 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. -0.000 min

Lab File: VN086278.D

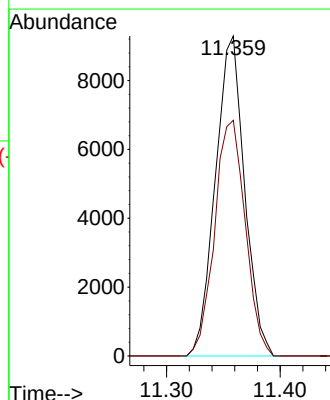
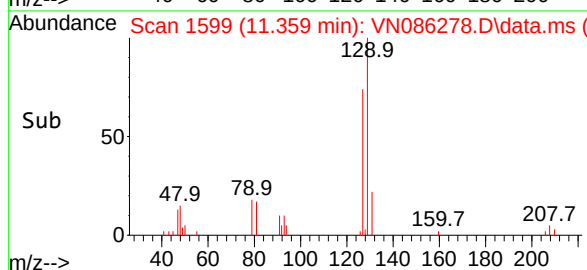
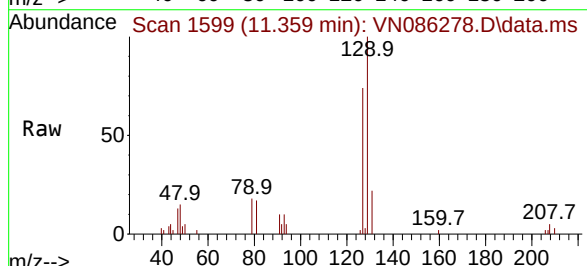
Acq: 15 Apr 2025 12:21

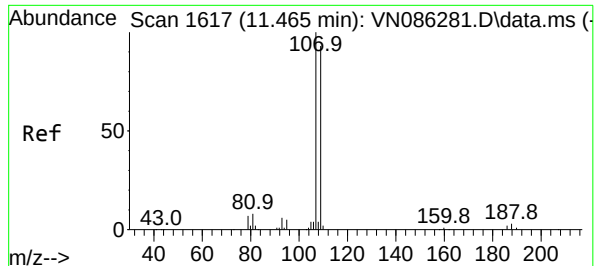
Tgt Ion:129 Resp: 16611

Ion Ratio Lower Upper

129 100

127 77.1 38.7 116.1





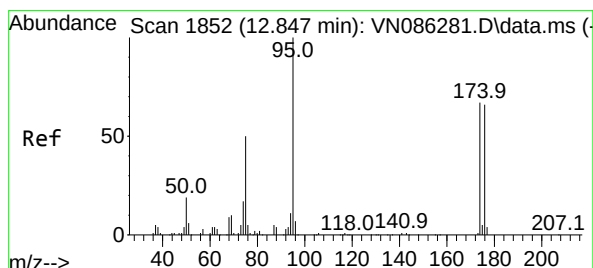
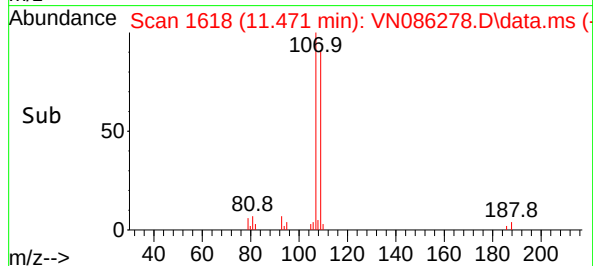
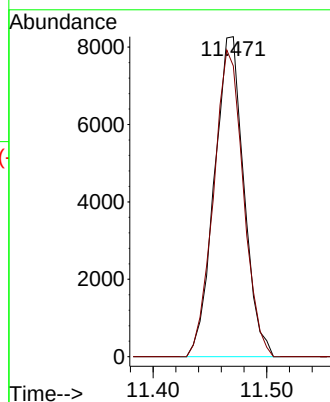
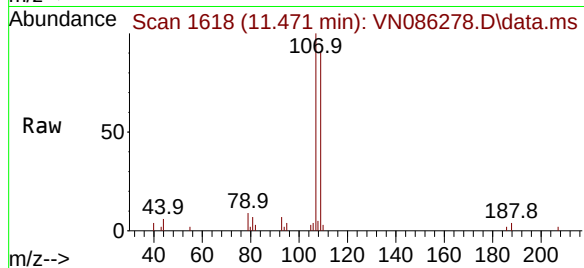
#61
1,2-Dibromoethane
Concen: 5.087 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.006 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 107 Resp: 14929
Ion Ratio Lower Upper
107 100
109 96.8 75.4 113.0

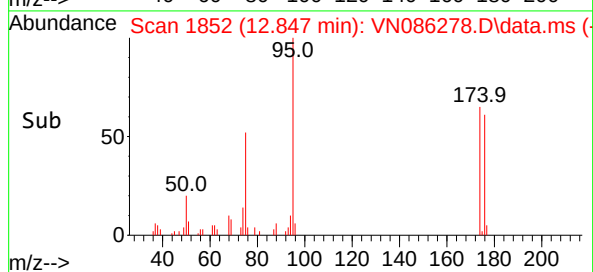
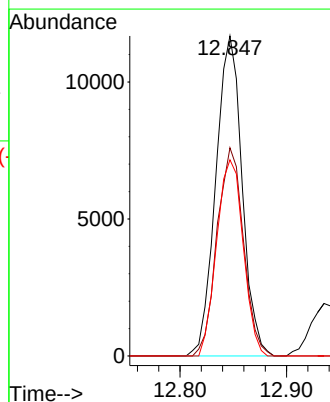
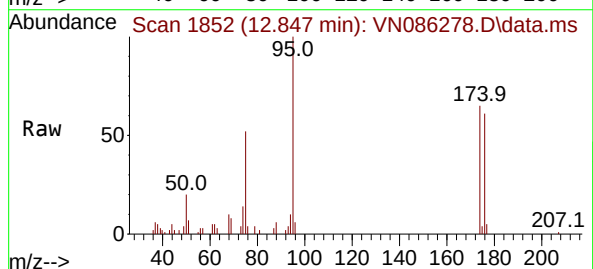
Manual Integrations
APPROVED

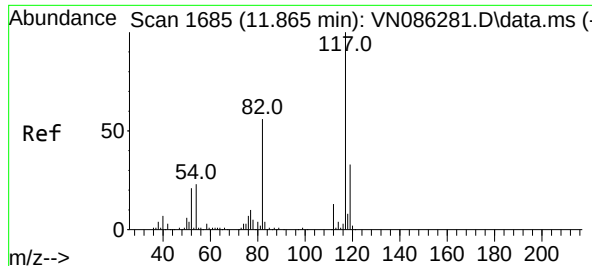
Reviewed By : John Carlone 04/16/2025
Supervised By : Semsettin Yesilyurt 04/16/2025



#62
4-Bromofluorobenzene
Concen: 5.076 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

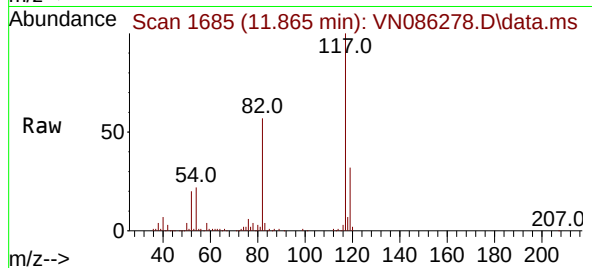
Tgt Ion: 95 Resp: 20034
Ion Ratio Lower Upper
95 100
174 65.4 0.0 133.4
176 61.7 0.0 129.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

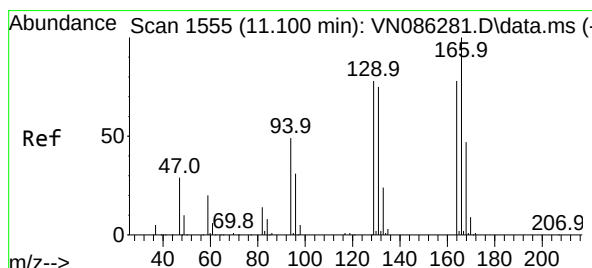
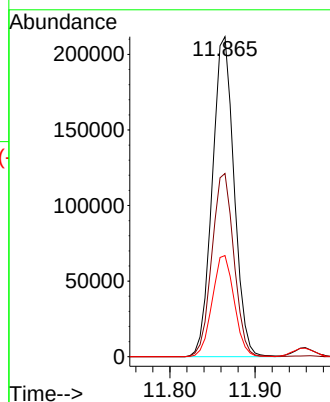
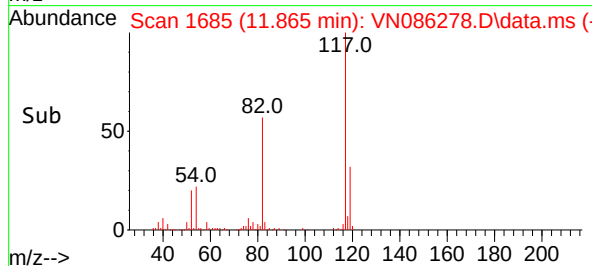
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:117 Resp: 37585
Ion Ratio Lower Upper
117 100
82 57.2 44.7 67.1
119 31.6 26.4 39.6

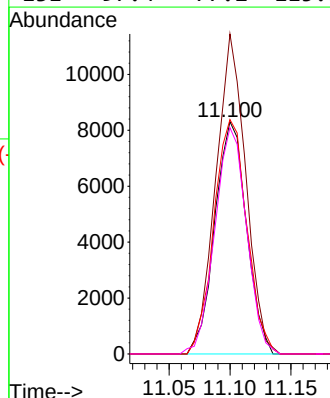
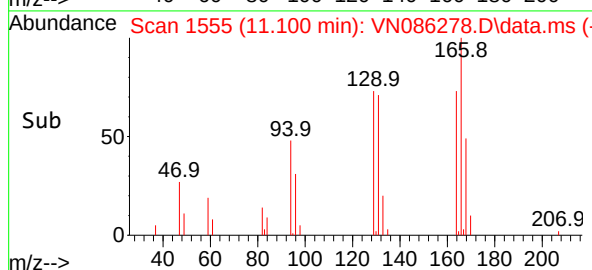
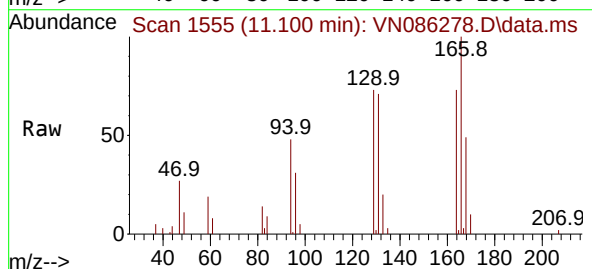
Manual Integrations
APPROVED

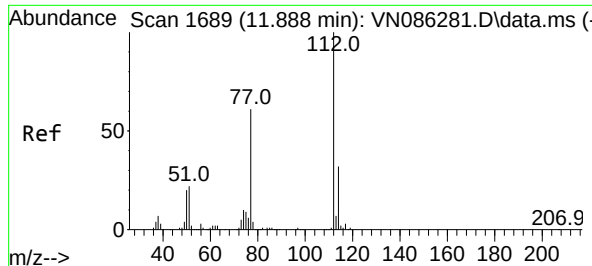
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#64
Tetrachloroethene
Concen: 5.188 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

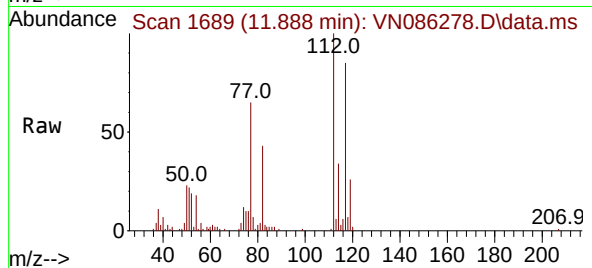
Tgt Ion:164 Resp: 14998
Ion Ratio Lower Upper
164 100
166 137.7 103.0 154.4
129 100.9 80.1 120.1
131 97.4 77.2 115.8





#65
Chlorobenzene
Concen: 5.265 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

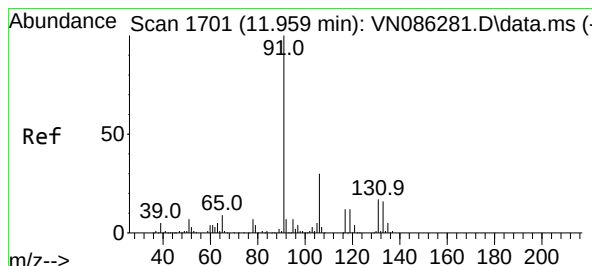
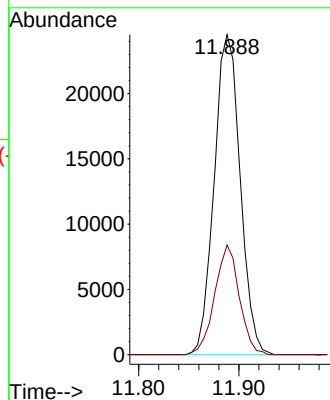
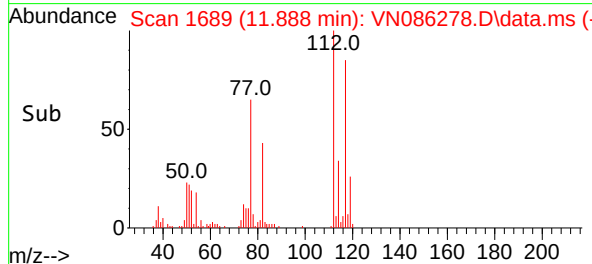
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion:112 Resp: 44164
Ion Ratio Lower Upper
112 100
114 34.2 25.4 38.0

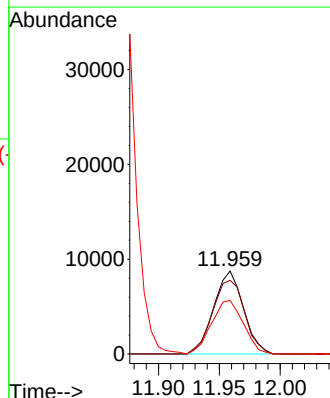
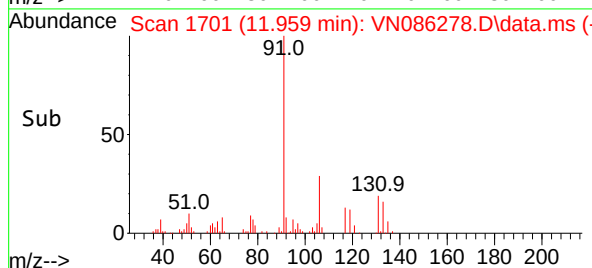
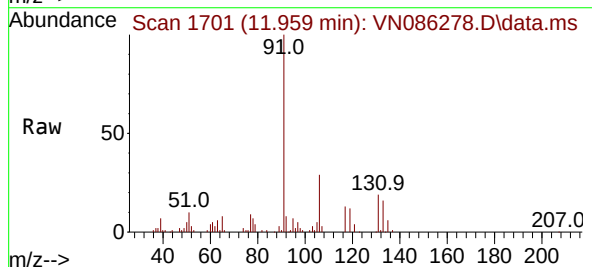
Manual Integrations
APPROVED

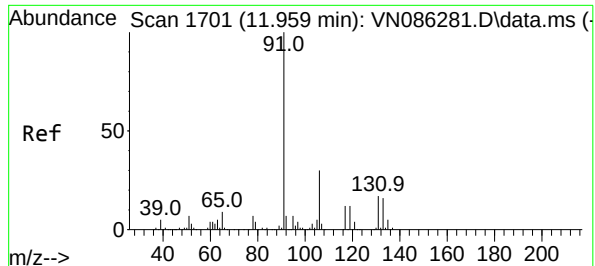
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 5.383 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

Tgt Ion:131 Resp: 14896
Ion Ratio Lower Upper
131 100
133 96.2 47.1 141.3
119 68.8 33.8 101.4





#67

Ethyl Benzene

Concen: 5.244 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 91 Resp: 79370

Ion Ratio Lower Upper

91 100

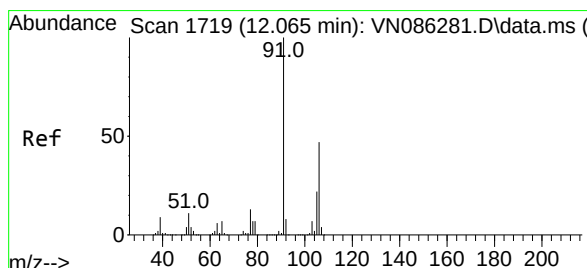
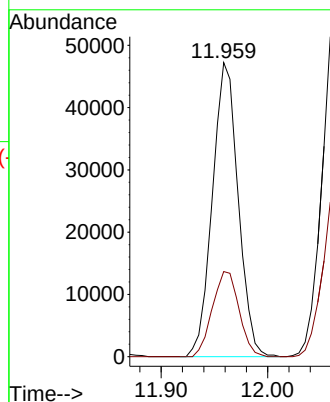
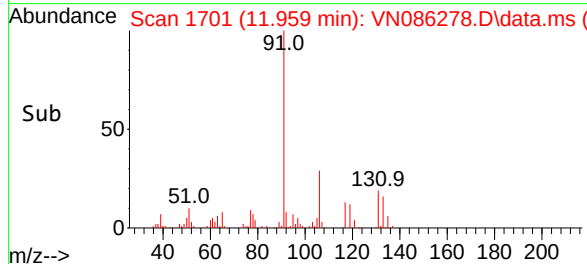
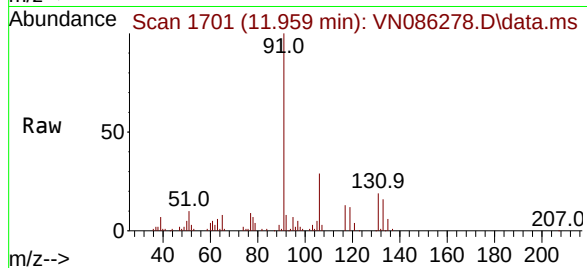
106 29.0 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#68

m/p-Xylenes

Concen: 10.537 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.006 min

Lab File: VN086278.D

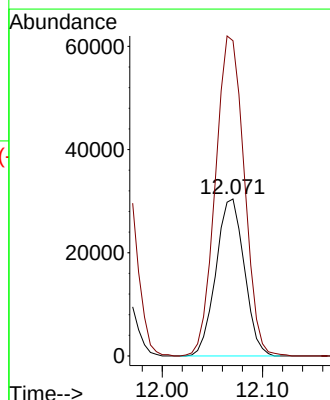
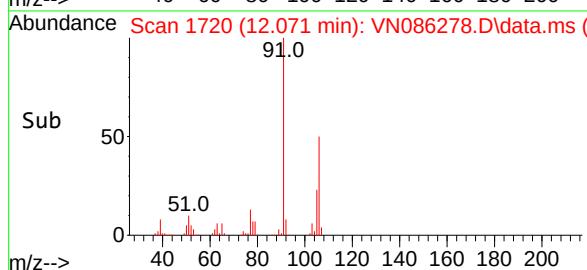
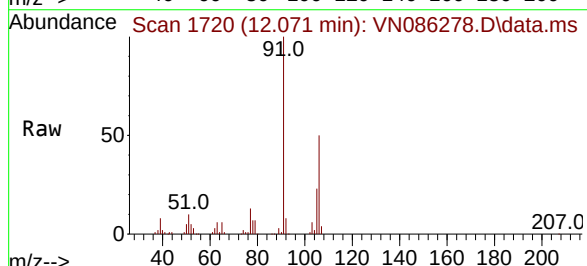
Acq: 15 Apr 2025 12:21

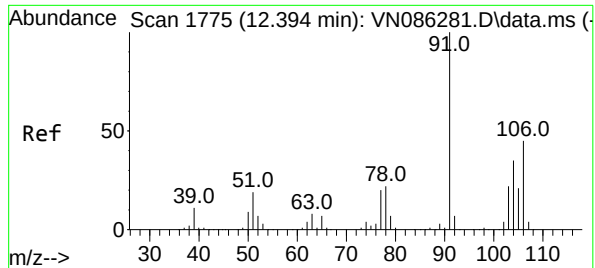
Tgt Ion:106 Resp: 59758

Ion Ratio Lower Upper

106 100

91 207.0 166.5 249.7





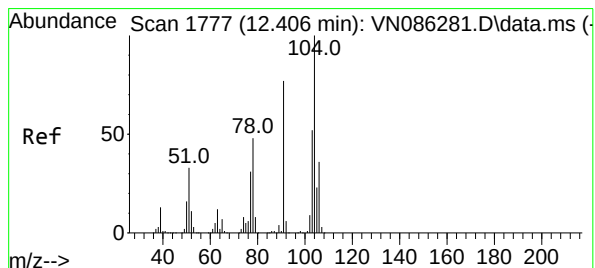
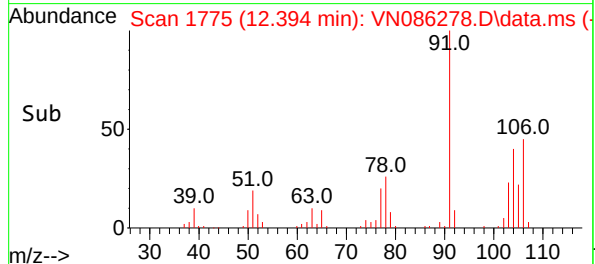
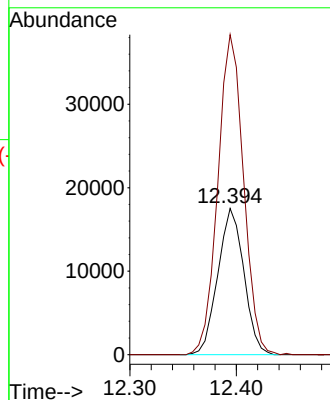
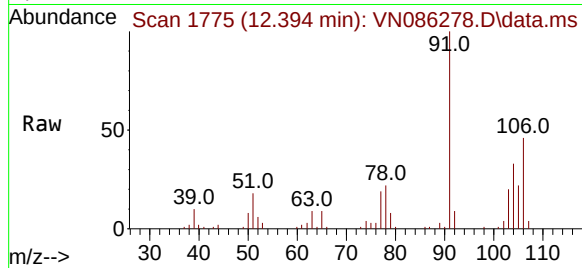
#69
o-Xylene
Concen: 5.305 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 2975
Ion Ratio Lower Upper
106 100
91 216.1 109.7 329.0

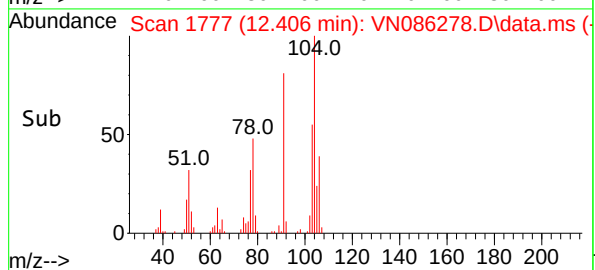
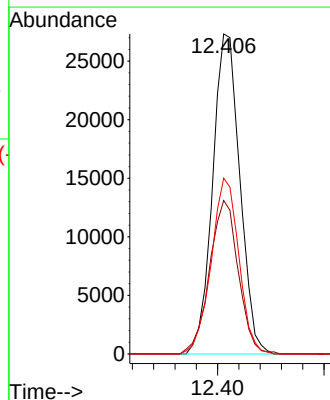
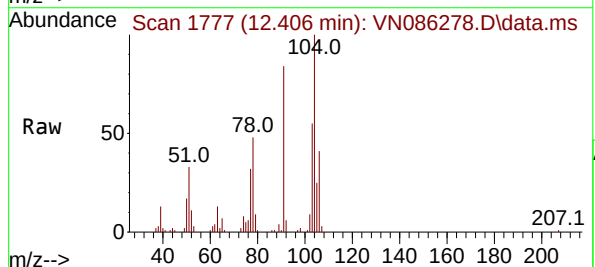
Manual Integrations
APPROVED

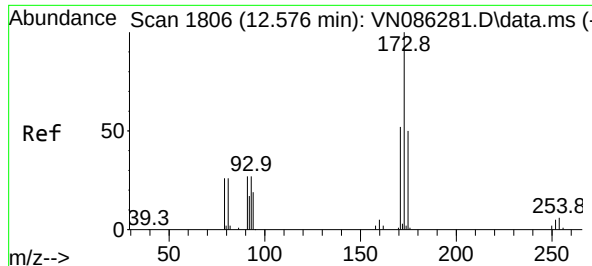
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#70
Styrene
Concen: 5.180 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

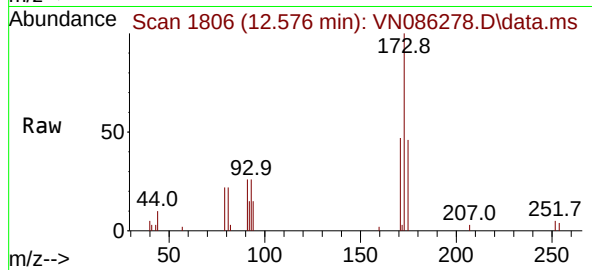
Tgt Ion:104 Resp: 48407
Ion Ratio Lower Upper
104 100
78 50.6 40.6 61.0
103 55.8 43.6 65.4





#71
Bromoform
Concen: 5.311 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

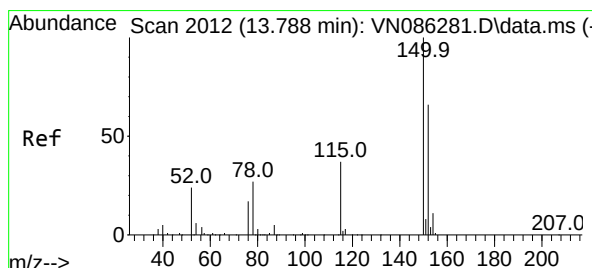
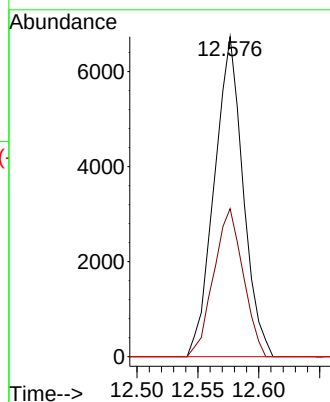
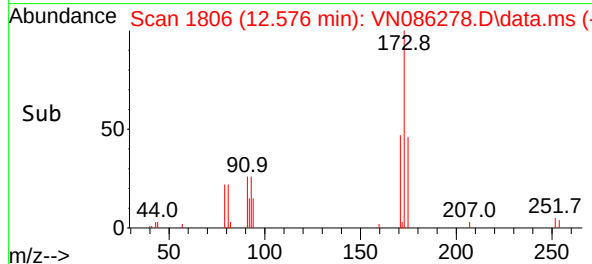
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



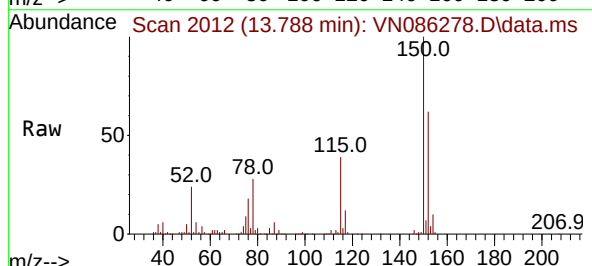
Tgt Ion:173 Resp: 1106
Ion Ratio Lower Upper
173 100
175 47.3 24.6 73.6
254 0.0 0.0 0.0

Manual Integrations
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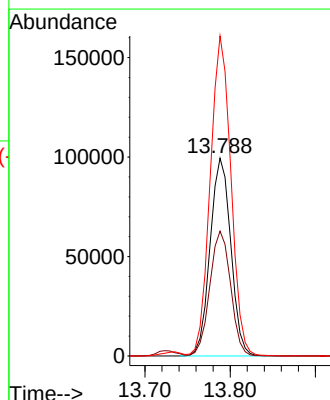
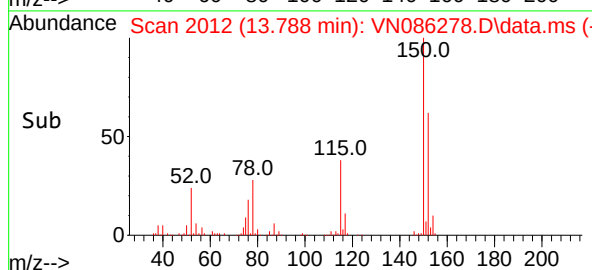
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

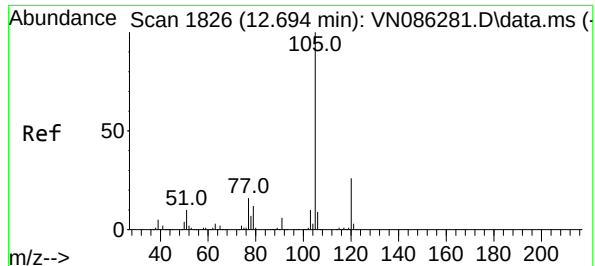


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21



Tgt Ion:152 Resp: 167796
Ion Ratio Lower Upper
152 100
115 63.4 31.9 95.9
150 161.6 0.0 352.0





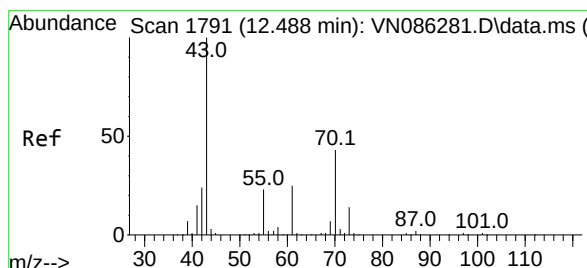
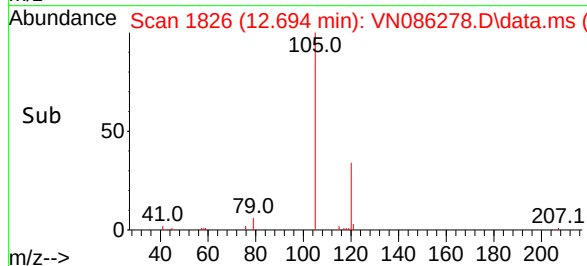
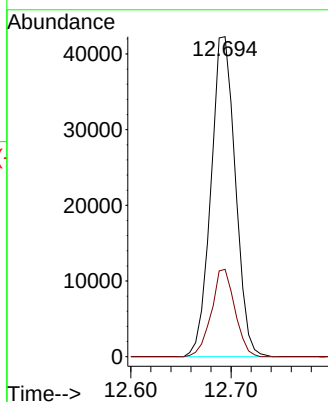
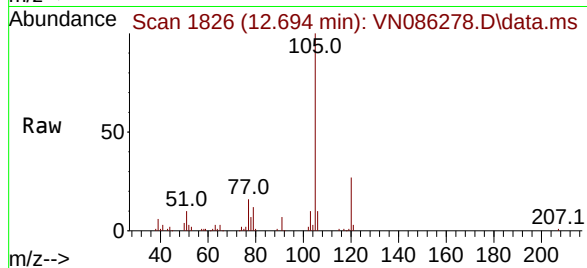
#73
Isopropylbenzene
Concen: 5.221 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 105 Resp: 71658
Ion Ratio Lower Upper
105 100
120 26.2 13.1 39.3

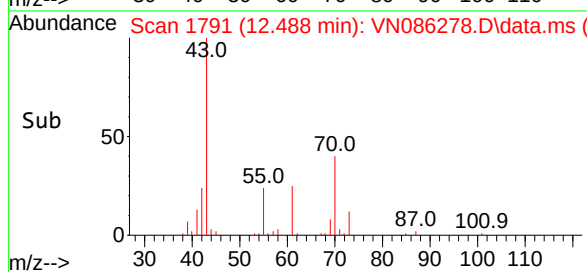
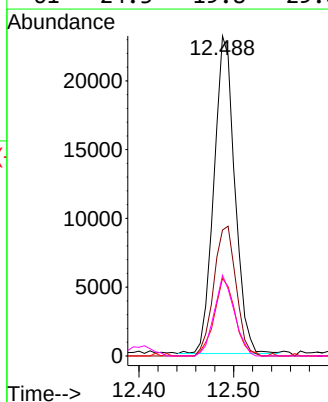
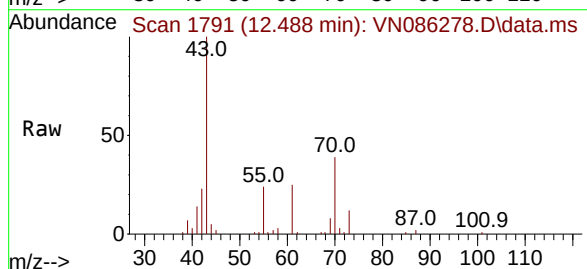
Manual Integrations
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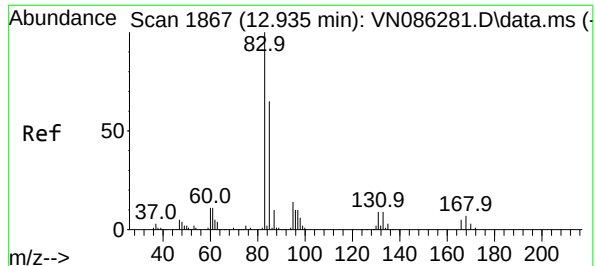
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#74
N-ethyl acetate
Concen: 5.182 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

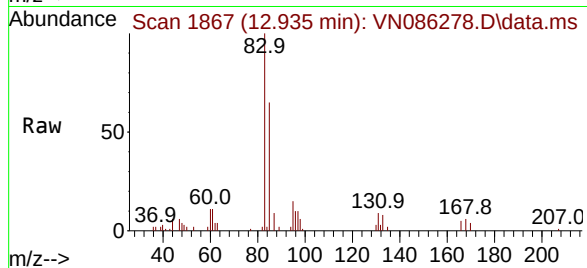
Tgt Ion: 43 Resp: 35409
Ion Ratio Lower Upper
43 100
70 43.4 35.0 52.4
55 24.4 19.0 28.4
61 24.3 19.8 29.8





#75
1,1,2,2-Tetrachloroethane
Concen: 5.503 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

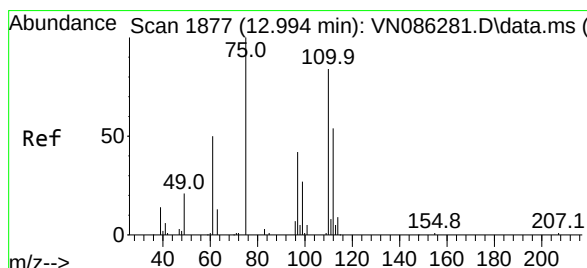
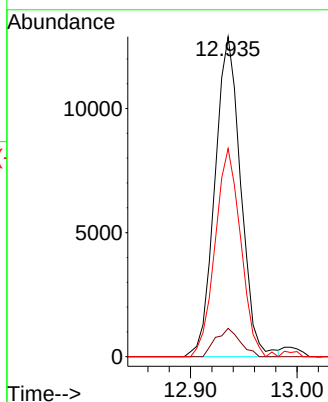
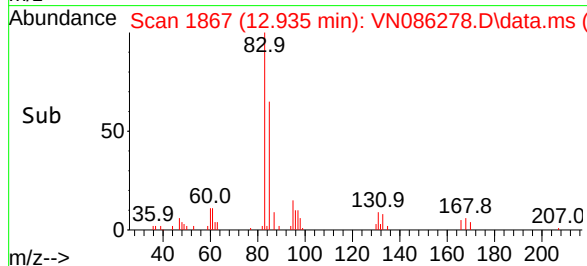
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 83 Resp: 21720
Ion Ratio Lower Upper
83 100
131 8.3 4.7 14.1
85 64.4 32.7 98.1

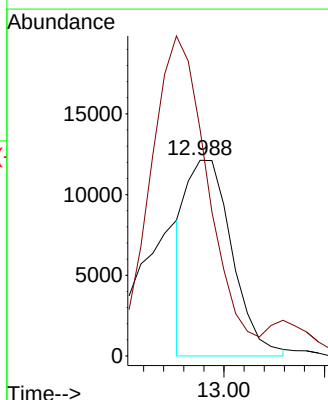
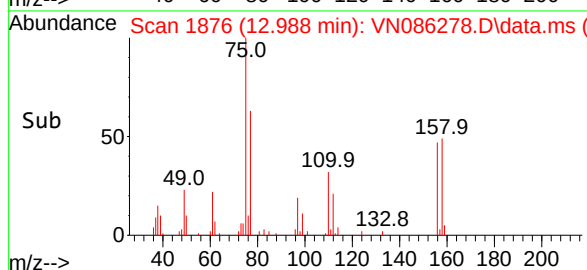
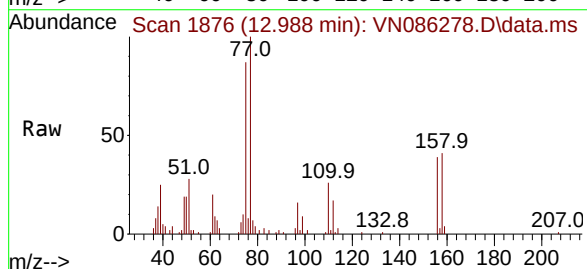
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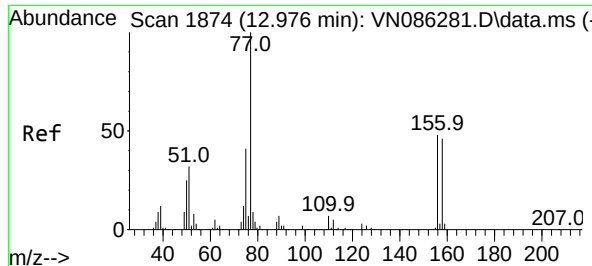
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#76
1,2,3-Trichloropropane
Concen: 4.870 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

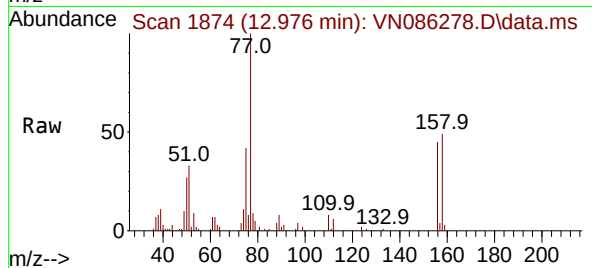
Tgt Ion: 75 Resp: 19196
Ion Ratio Lower Upper
75 100
77 208.2 98.8 296.4





#77
Bromobenzene
Concen: 5.156 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

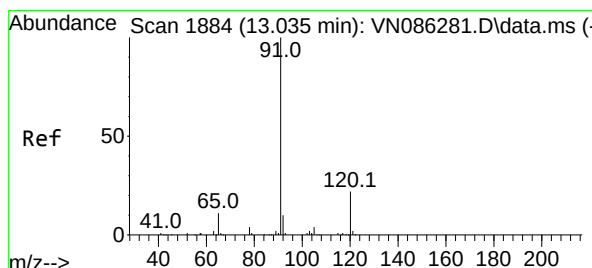
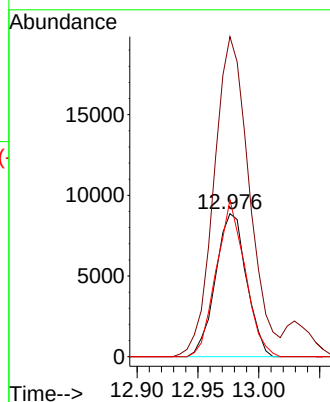
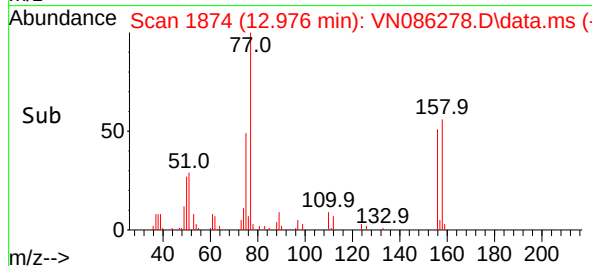
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:156 Resp: 1568
Ion Ratio Lower Upper
156 100
77 254.9 121.1 363.1
158 101.7 47.9 143.6

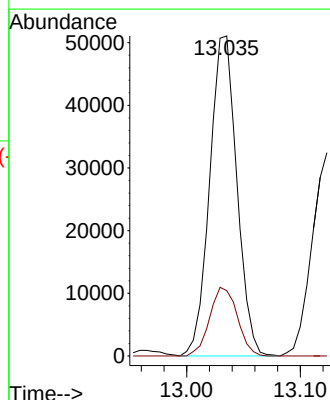
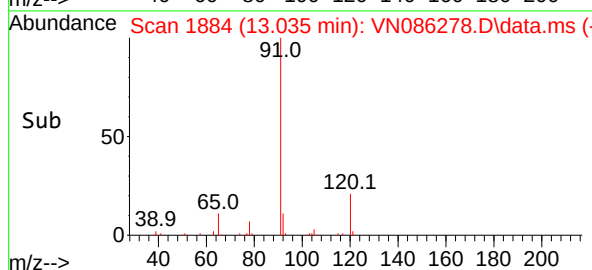
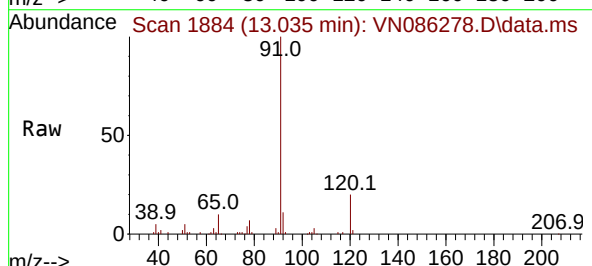
Manual Integrations
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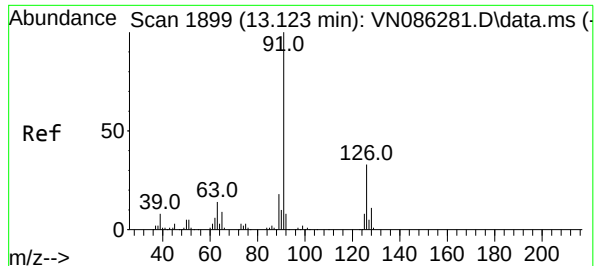
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#78
n-propylbenzene
Concen: 5.261 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

Tgt Ion: 91 Resp: 85101
Ion Ratio Lower Upper
91 100
120 21.8 11.1 33.3





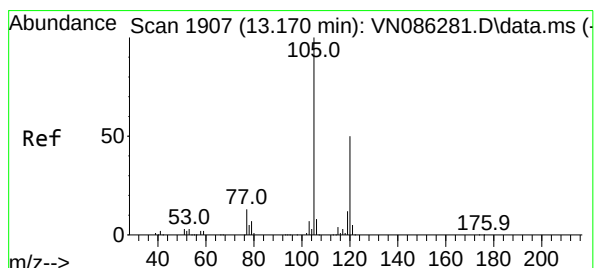
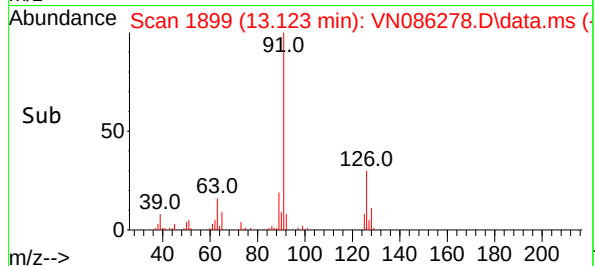
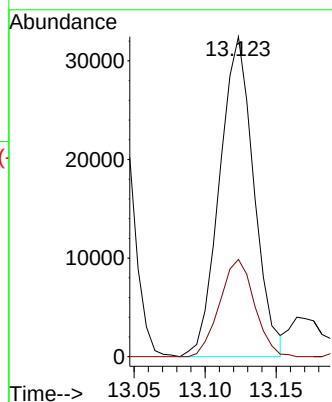
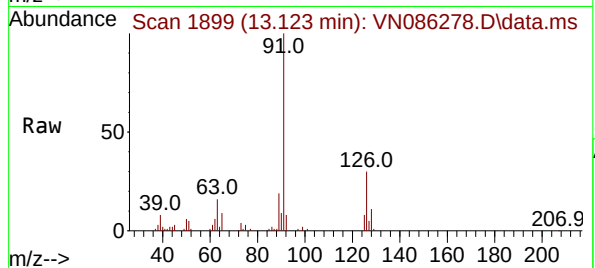
#79
2-Chlorotoluene
Concen: 5.384 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 54490
Ion Ratio Lower Upper
91 100
126 30.8 16.1 48.2

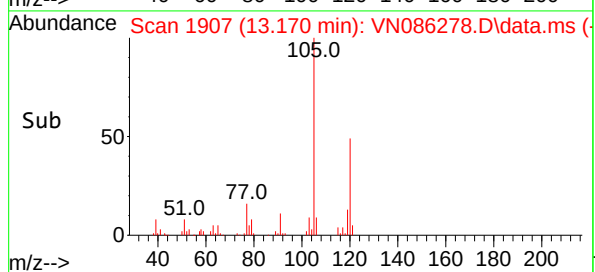
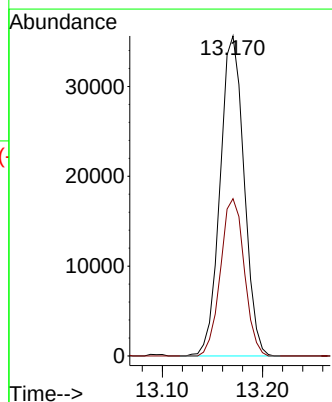
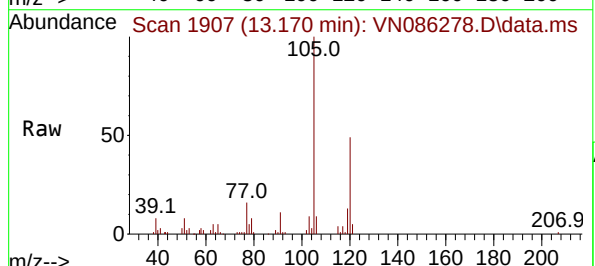
Manual Integrations
APPROVED

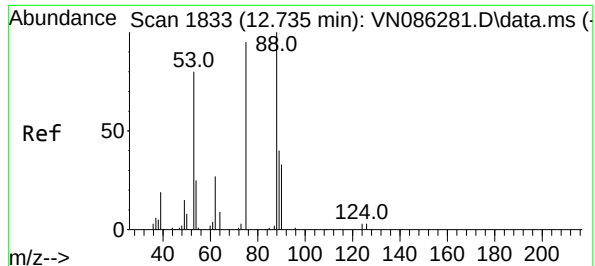
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#80
1,3,5-Trimethylbenzene
Concen: 5.255 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

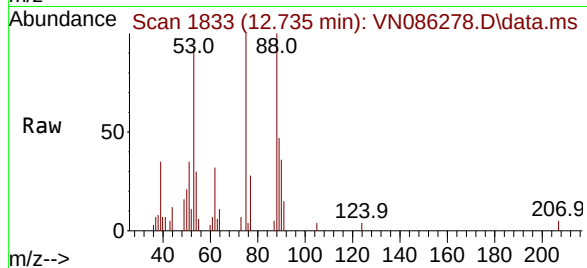
Tgt Ion:105 Resp: 59035
Ion Ratio Lower Upper
105 100
120 48.7 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 5.357 ug/l m
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

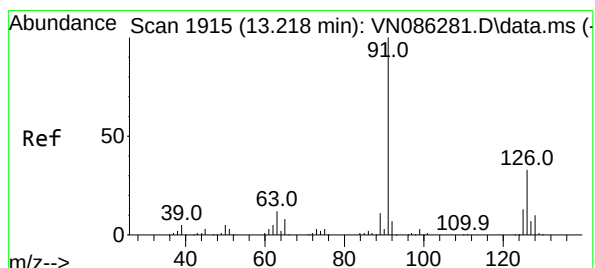
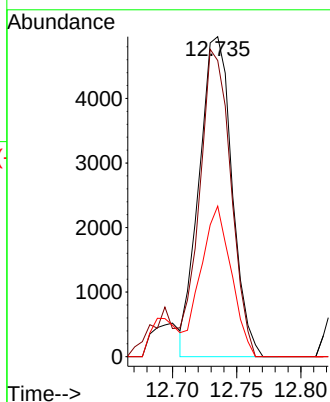
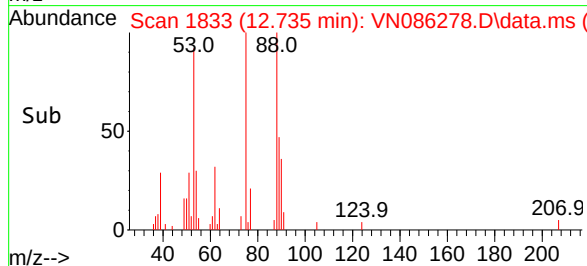
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



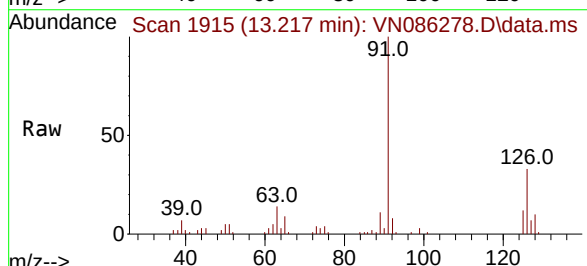
Tgt Ion: 75 Resp: 8832
Ion Ratio Lower Upper
75 100
53 92.8 79.2 118.8
89 44.1 35.7 53.5

Manual Integrations
APPROVED

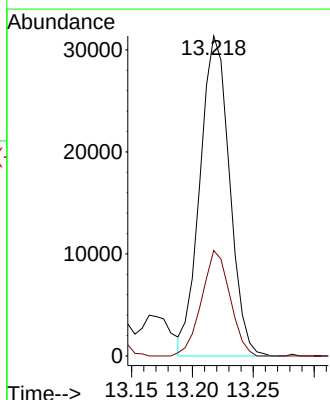
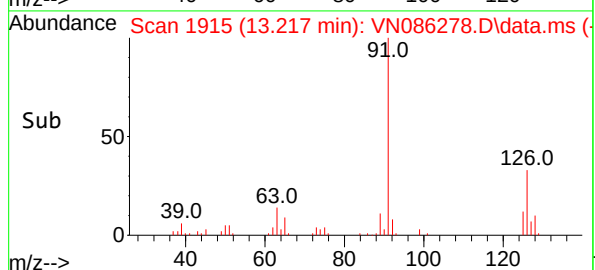
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

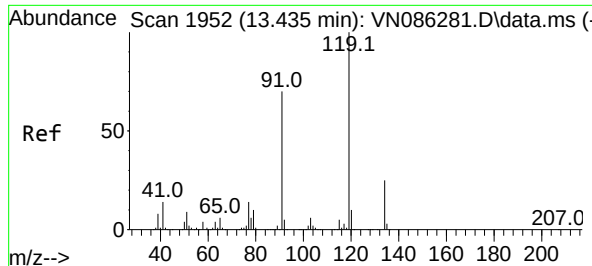


#82
4-Chlorotoluene
Concen: 5.260 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21



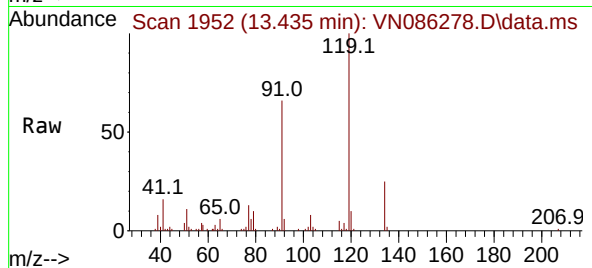
Tgt Ion: 91 Resp: 52887
Ion Ratio Lower Upper
91 100
126 31.7 16.2 48.6





#83
tert-Butylbenzene
Concen: 5.270 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

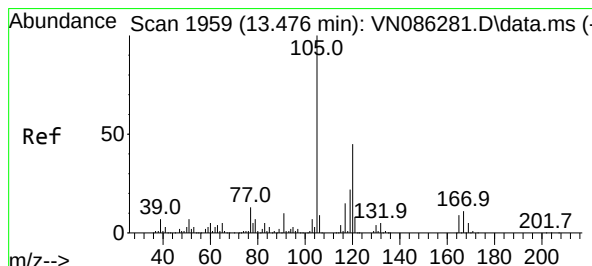
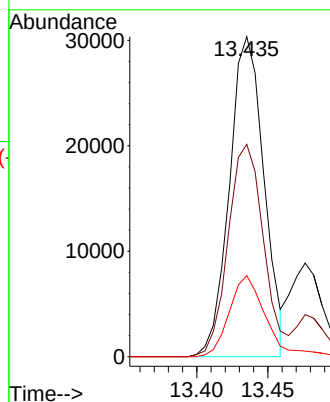
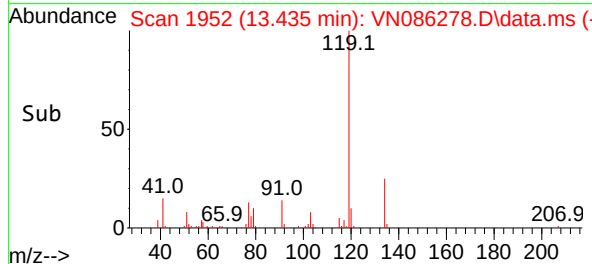
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



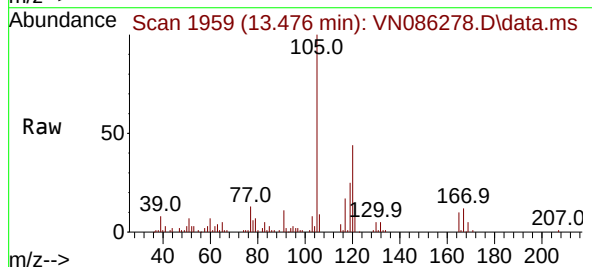
Tgt Ion:119 Resp: 51302
Ion Ratio Lower Upper
119 100
91 68.4 34.4 103.3
134 26.7 13.0 39.0

Manual Integrations
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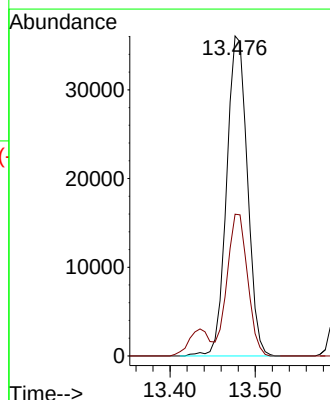
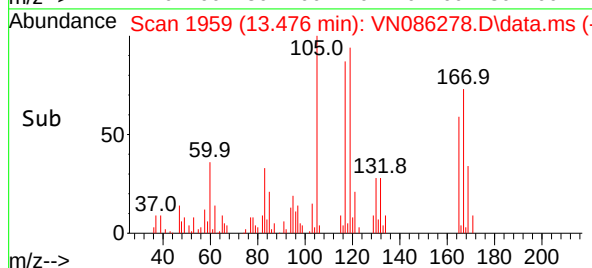
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

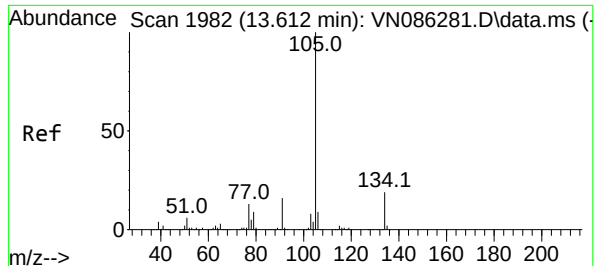


#84
1,2,4-Trimethylbenzene
Concen: 5.347 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21



Tgt Ion:105 Resp: 61145
Ion Ratio Lower Upper
105 100
120 43.4 22.4 67.3





#85

sec-Butylbenzene

Concen: 5.355 ug/l

RT: 13.612 min Scan# 1982

Delta R.T. -0.000 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 72305

Ion Ratio Lower Upper

105 100

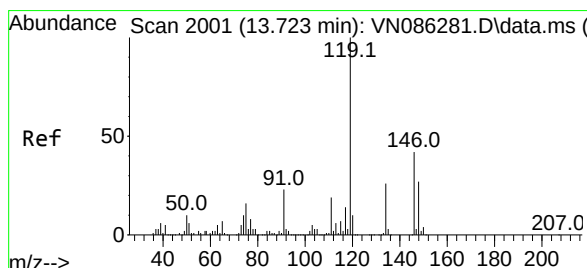
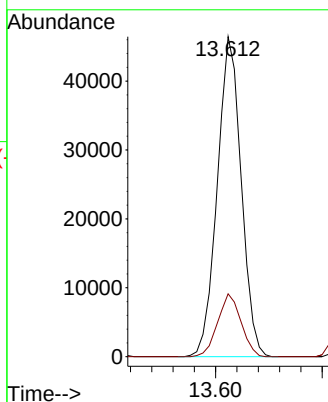
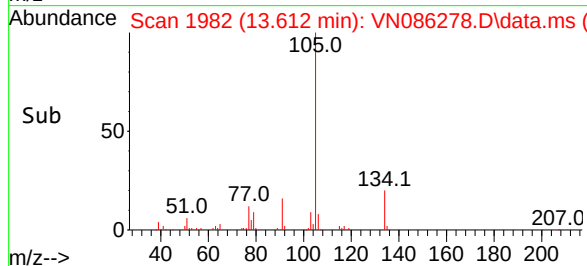
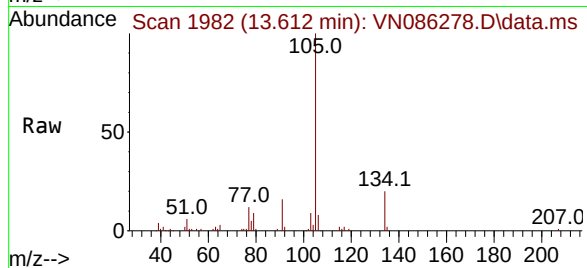
134 19.2 9.7 29.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#86

p-Isopropyltoluene

Concen: 5.258 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. -0.000 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

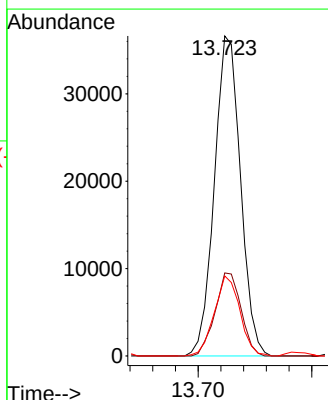
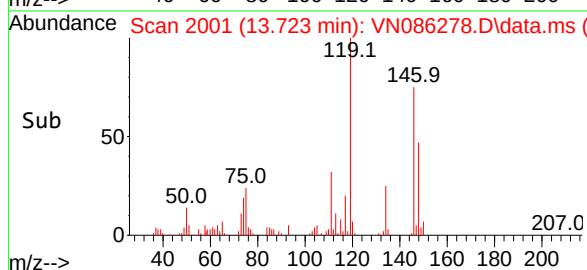
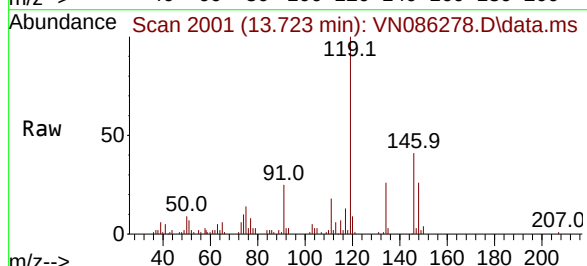
Tgt Ion:119 Resp: 58514

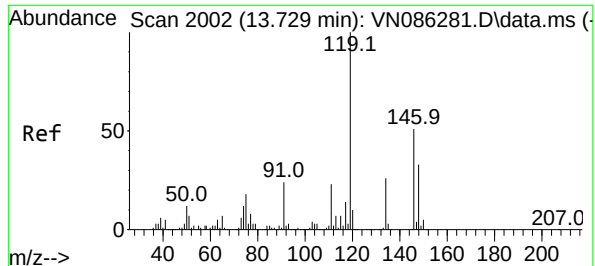
Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.1

91 24.4 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 5.347 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

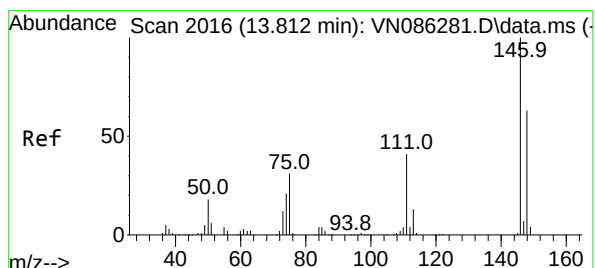
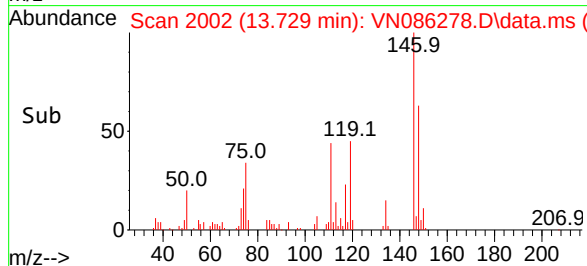
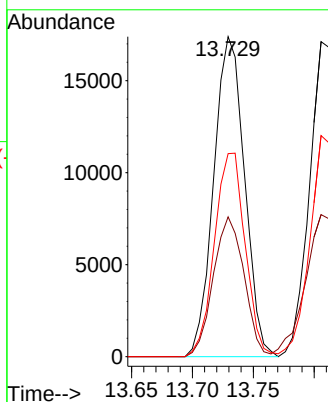
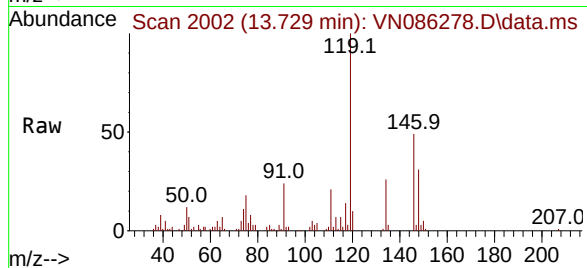
Tgt Ion:146	Resp:	30570
Ion Ratio	Lower	Upper
146	100	
111	43.7	21.9 65.7
148	63.7	31.9 95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#88

1,4-Dichlorobenzene

Concen: 5.287 ug/l

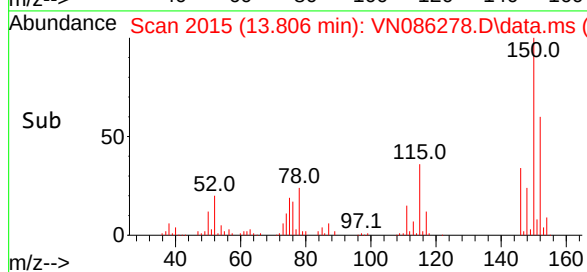
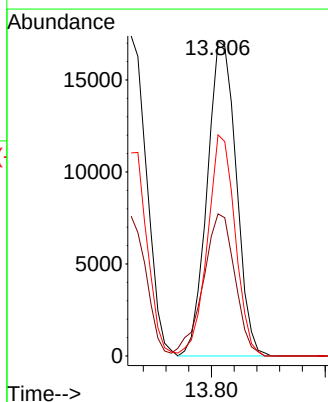
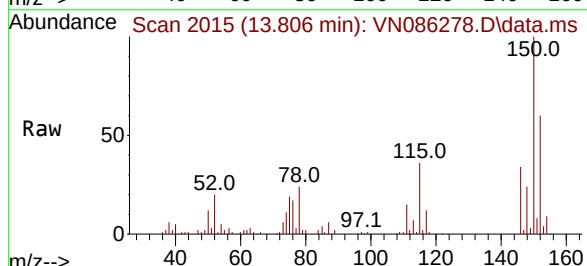
RT: 13.806 min Scan# 2015

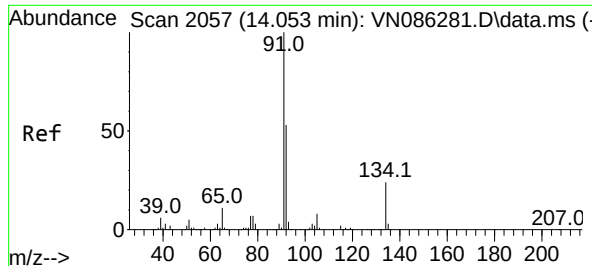
Delta R.T. -0.006 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

Tgt Ion:146	Resp:	30447
Ion Ratio	Lower	Upper
146	100	
111	49.3	21.3 63.9
148	66.7	31.9 95.9





#89

n-Butylbenzene

Concen: 5.126 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

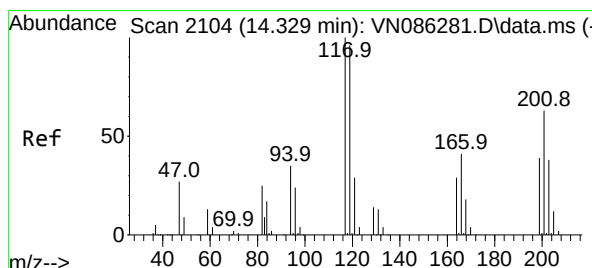
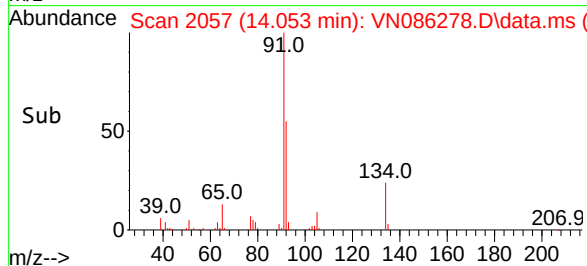
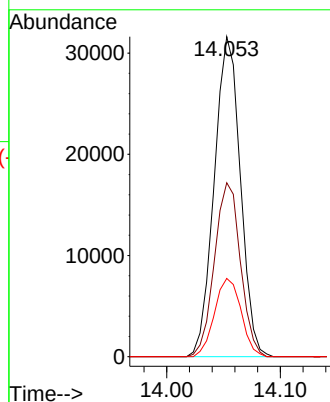
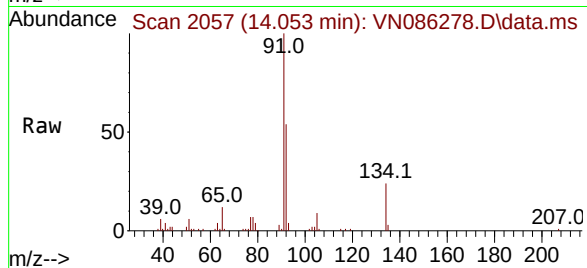
Tgt Ion:	91	Resp:	5056
Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.8	80.4
134	24.9	12.2	36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#90

Hexachloroethane

Concen: 5.252 ug/l

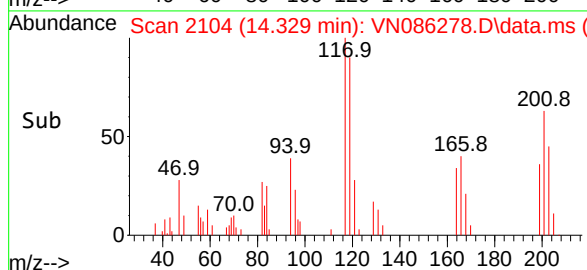
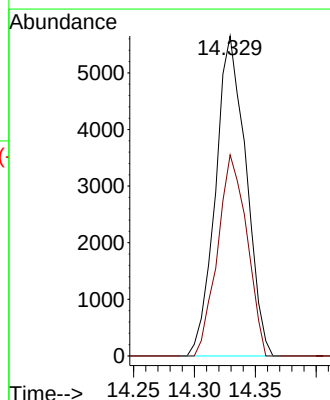
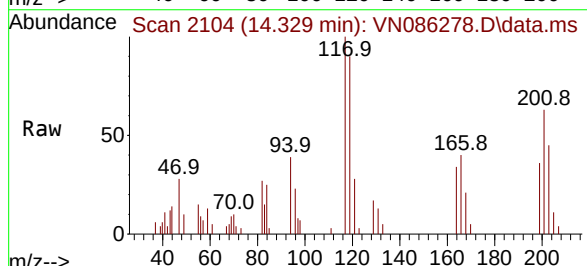
RT: 14.329 min Scan# 2104

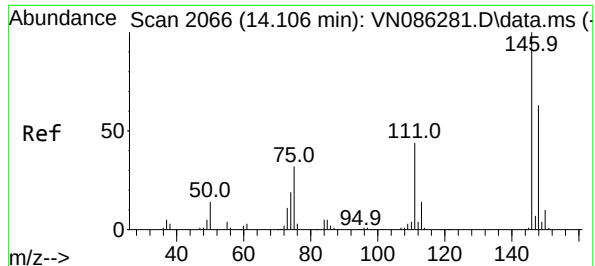
Delta R.T. -0.000 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

Tgt Ion:	117	Resp:	9832
Ion	Ratio	Lower	Upper
117	100		
201	60.5	31.4	94.2





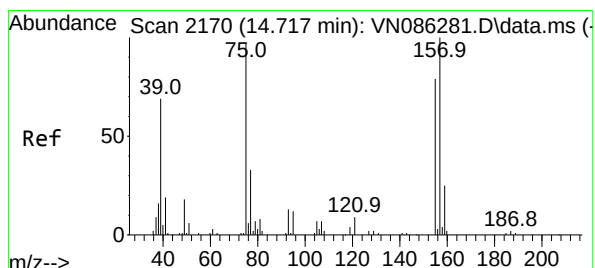
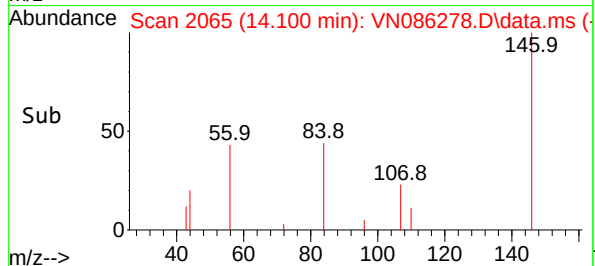
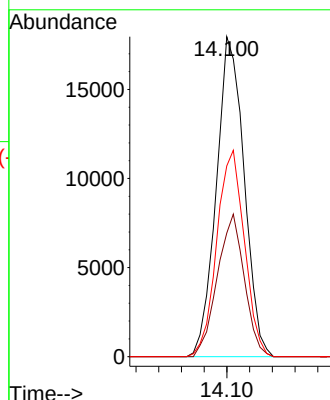
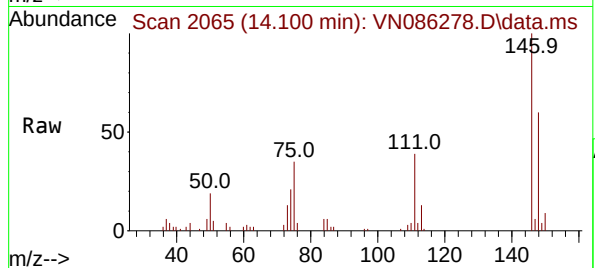
#91
1,2-Dichlorobenzene
Concen: 5.511 ug/l
RT: 14.100 min Scan# 2066
Delta R.T. -0.006 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 30540
Ion Ratio Lower Upper
146 100
111 43.2 22.4 67.0
148 64.0 31.8 95.4

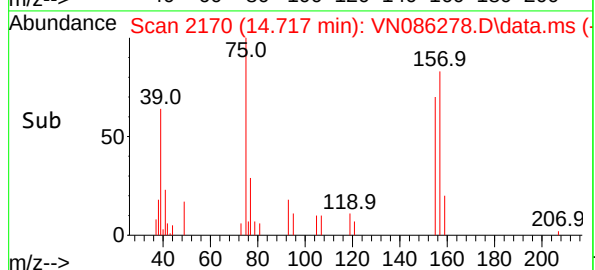
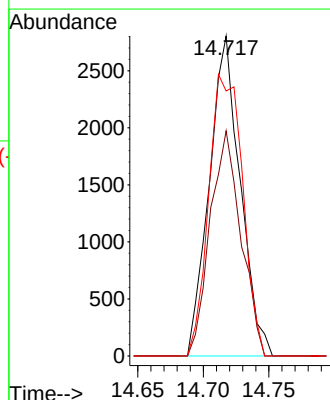
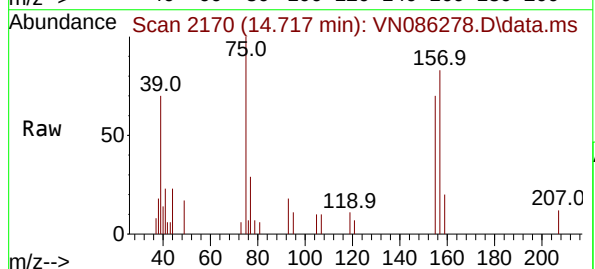
Manual Integrations
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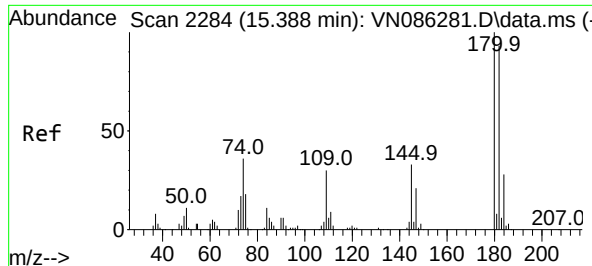
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.772 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

Tgt Ion: 75 Resp: 4593
Ion Ratio Lower Upper
75 100
155 70.0 40.3 120.9
157 96.0 49.0 147.2





#93

1,2,4-Trichlorobenzene

Concen: 5.465 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. -0.000 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

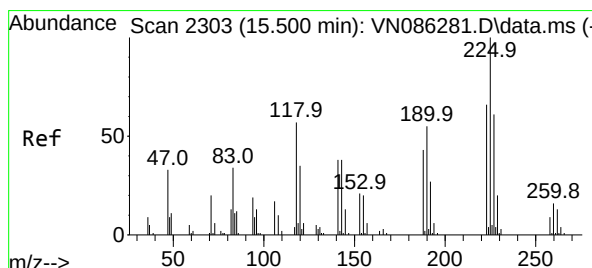
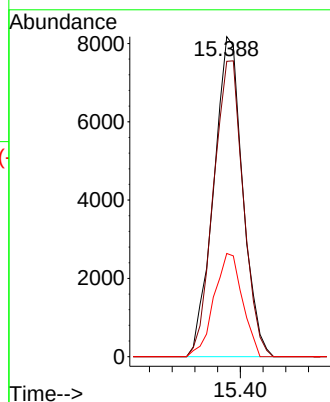
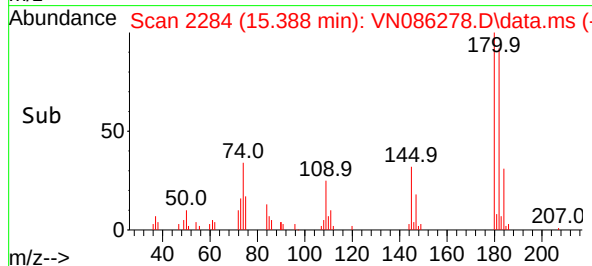
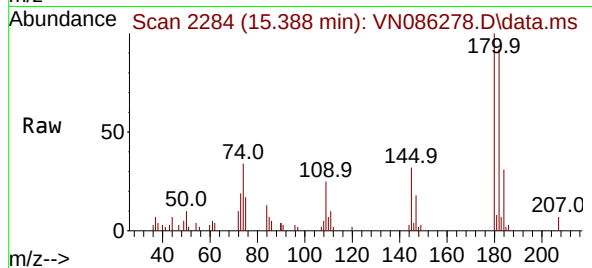
Tgt Ion:	180	Resp:	14500
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.0	141.0
145	31.5	16.4	49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#94

Hexachlorobutadiene

Concen: 5.669 ug/l

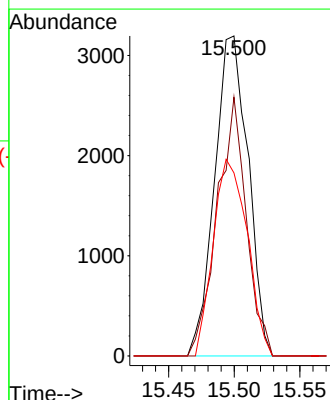
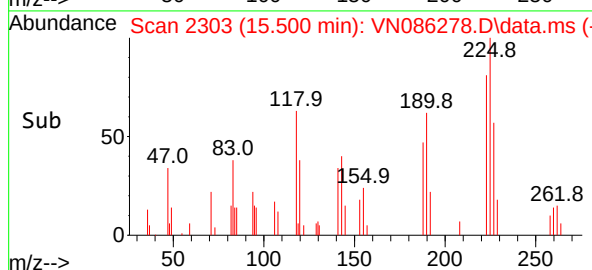
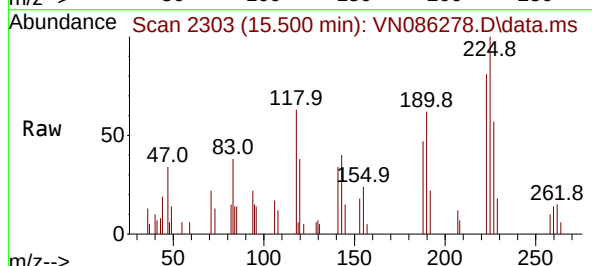
RT: 15.500 min Scan# 2303

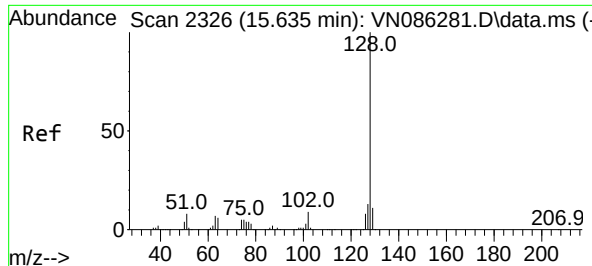
Delta R.T. -0.000 min

Lab File: VN086278.D

Acq: 15 Apr 2025 12:21

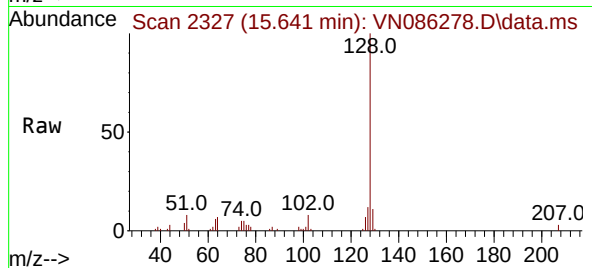
Tgt Ion:	225	Resp:	5680
Ion Ratio	Lower	Upper	
225	100		
223	70.3	32.8	98.3
227	62.4	31.4	94.0





#95
Naphthalene
Concen: 5.270 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

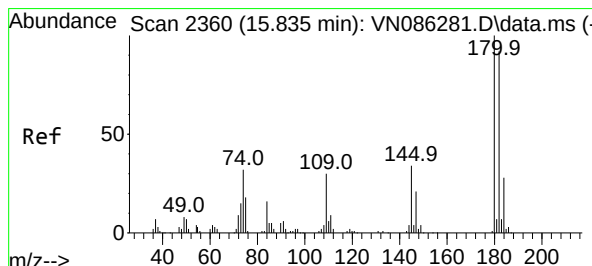
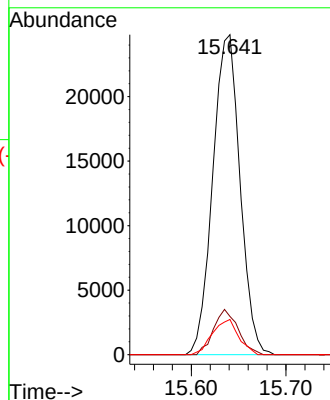
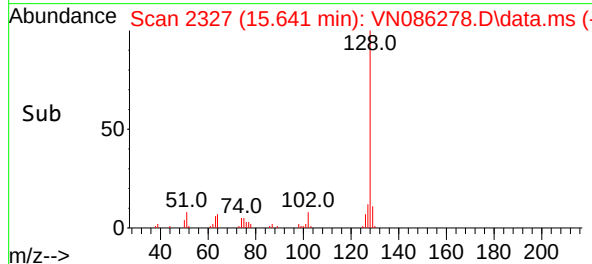
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:128 Resp: 49580
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.6 8.6 13.0

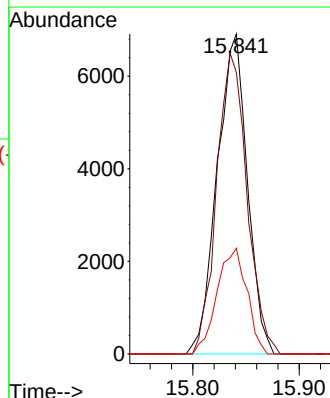
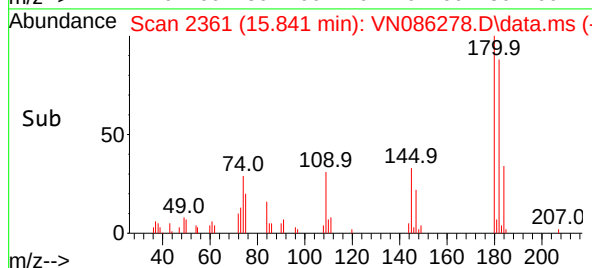
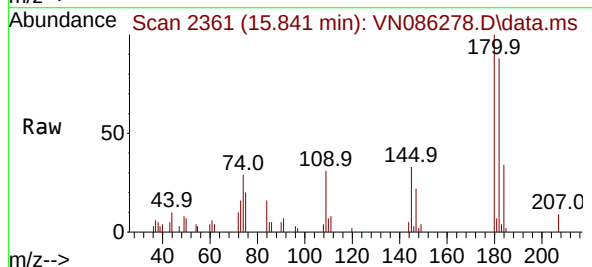
Manual Integrations
APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 5.412 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086278.D
Acq: 15 Apr 2025 12:21

Tgt Ion:180 Resp: 13599
Ion Ratio Lower Upper
180 100
182 94.6 47.3 142.0
145 32.7 17.2 51.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086279.D
 Acq On : 15 Apr 2025 12:45
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:56:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	253576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	468933	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	411009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	178484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	37770	10.272	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	20.540%#		
35) Dibromofluoromethane	8.159	113	23907	10.985	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	21.960%#		
50) Toluene-d8	10.565	98	120121	10.327	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	20.660%#		
62) 4-Bromofluorobenzene	12.847	95	42791	10.086	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	20.180%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	29521	9.821	ug/l	96
3) Chloromethane	2.359	50	39728	9.094	ug/l	94
4) Vinyl Chloride	2.518	62	39819	9.551	ug/l	99
5) Bromomethane	2.965	94	18776	10.013	ug/l	87
6) Chloroethane	3.124	64	26337	9.439	ug/l	92
7) Trichlorofluoromethane	3.506	101	43539	9.428	ug/l	99
8) Diethyl Ether	3.959	74	19000	9.425	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	26478	9.478	ug/l	99
10) Methyl Iodide	4.589	142	28586	9.308	ug/l	98
11) Tert butyl alcohol	5.506	59	34343	51.188	ug/l	99
12) 1,1-Dichloroethene	4.342	96	28022	9.389	ug/l	90
13) Acrolein	4.183	56	17703	44.165	ug/l	99
14) Allyl chloride	5.024	41	48555m	9.157	ug/l	
15) Acrylonitrile	5.718	53	78184	47.141	ug/l	97
16) Acetone	4.430	43	63789	45.485	ug/l	99
17) Carbon Disulfide	4.712	76	81234	9.090	ug/l	99
18) Methyl Acetate	5.024	43	41546	9.413	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	102069	9.304	ug/l	95
20) Methylene Chloride	5.277	84	31218	9.183	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	28271	9.060	ug/l	99
22) Diisopropyl ether	6.671	45	106867	9.259	ug/l	97
23) Vinyl Acetate	6.600	43	386388	47.903	ug/l	100
24) 1,1-Dichloroethane	6.571	63	56906	9.345	ug/l	96
25) 2-Butanone	7.477	43	106429	46.500	ug/l	98
26) 2,2-Dichloropropane	7.488	77	51934	9.525	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	35180	9.084	ug/l	99
28) Bromochloromethane	7.806	49	22094	8.557	ug/l	98
29) Tetrahydrofuran	7.835	42	72642	47.462	ug/l	100
30) Chloroform	7.965	83	56896	9.511	ug/l	95
31) Cyclohexane	8.253	56	57797	9.699	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	48313	9.441	ug/l	93
36) 1,1-Dichloropropene	8.371	75	39999	9.202	ug/l	98
37) Ethyl Acetate	7.559	43	42951	9.385	ug/l	99
38) Carbon Tetrachloride	8.359	117	38345	9.263	ug/l	99
39) Methylcyclohexane	9.594	83	48076	9.305	ug/l	98
40) Benzene	8.606	78	130256	9.352	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086279.D
 Acq On : 15 Apr 2025 12:45
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:56:05 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M

Quant Title : SW846 8260

QLast Update : Wed Apr 16 03:42:50 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	26058	9.824	ug/l	98
42) 1,2-Dichloroethane	8.671	62	41980	9.452	ug/l	100
43) Isopropyl Acetate	8.682	43	90916	9.381	ug/l	95
44) Trichloroethene	9.347	130	31281	9.476	ug/l	94
45) 1,2-Dichloropropane	9.618	63	33270	9.759	ug/l	98
46) Dibromomethane	9.706	93	20677	9.519	ug/l	97
47) Bromodichloromethane	9.882	83	44773	9.543	ug/l	97
48) Methyl methacrylate	9.676	41	37900	9.430	ug/l	98
49) 1,4-Dioxane	9.688	88	13198	193.063	ug/l	99
51) 4-Methyl-2-Pentanone	10.441	43	224548	47.916	ug/l	98
52) Toluene	10.623	92	81084	9.330	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	49510	9.454	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	54411	9.459	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	29512	9.439	ug/l	93
56) Ethyl methacrylate	10.871	69	54203	9.431	ug/l	98
57) 1,3-Dichloropropane	11.159	76	53151	9.581	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	113279	41.526	ug/l	99
59) 2-Hexanone	11.194	43	166643	47.941	ug/l	100
60) Dibromochloromethane	11.353	129	33195	9.668	ug/l	98
61) 1,2-Dibromoethane	11.465	107	29886	9.473	ug/l	99
64) Tetrachloroethene	11.100	164	29467	9.321	ug/l	99
65) Chlorobenzene	11.888	112	86997	9.485	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	28657	9.471	ug/l	97
67) Ethyl Benzene	11.959	91	153929	9.300	ug/l	99
68) m/p-Xylenes	12.065	106	115926	18.692	ug/l	99
69) o-Xylene	12.394	106	58314	9.508	ug/l	99
70) Styrene	12.406	104	95045	9.301	ug/l	100
71) Bromoform	12.576	173	21240	9.323	ug/l #	100
73) Isopropylbenzene	12.694	105	142461	9.757	ug/l	100
74) N-amyl acetate	12.488	43	67074	9.228	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	42167	10.045	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	41148m	9.813	ug/l	
77) Bromobenzene	12.976	156	32305	9.986	ug/l	99
78) n-propylbenzene	13.035	91	165250	9.605	ug/l	99
79) 2-Chlorotoluene	13.123	91	103789	9.641	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	113458	9.494	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	17595	10.033	ug/l	92
82) 4-Chlorotoluene	13.217	91	101784	9.518	ug/l	99
83) tert-Butylbenzene	13.435	119	99779	9.636	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	116448	9.573	ug/l	99
85) sec-Butylbenzene	13.612	105	139108	9.686	ug/l	99
86) p-Isopropyltoluene	13.729	119	113316	9.572	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	57753	9.497	ug/l	100
88) 1,4-Dichlorobenzene	13.806	146	57656	9.412	ug/l	98
89) n-Butylbenzene	14.053	91	98010	9.340	ug/l	99
90) Hexachloroethane	14.329	117	18922	9.503	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	55856	9.473	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	8165	9.646	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	26050	9.227	ug/l	99
94) Hexachlorobutadiene	15.494	225	10205	9.575	ug/l	97
95) Naphthalene	15.635	128	92844	9.277	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	24879	9.308	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086279.D
Acq On : 15 Apr 2025 12:45
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:56:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086279.D
 Acq On : 15 Apr 2025 12:45
 Operator : JC\MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025

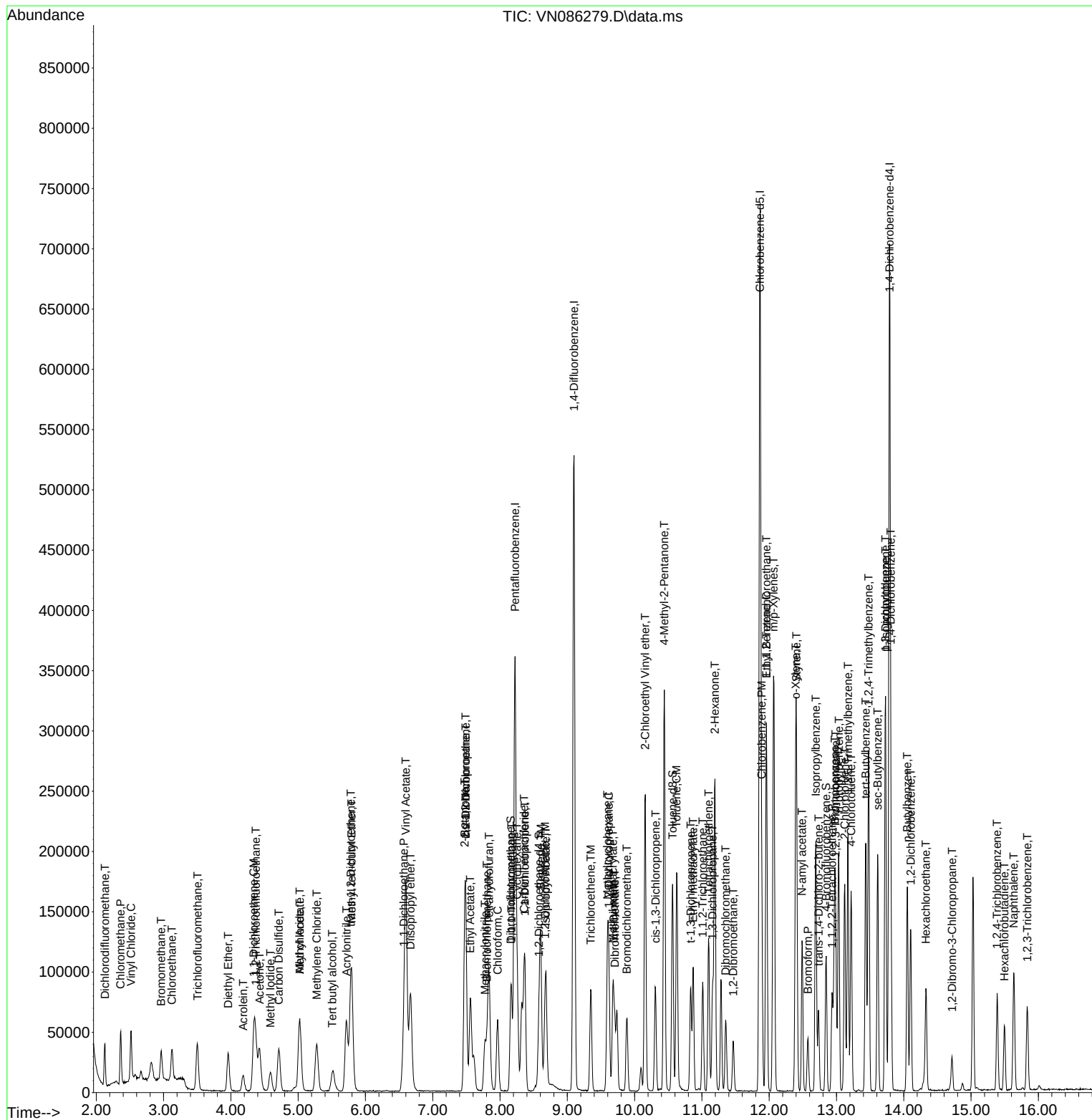
Quant Time: Apr 16 03:56:05 2025

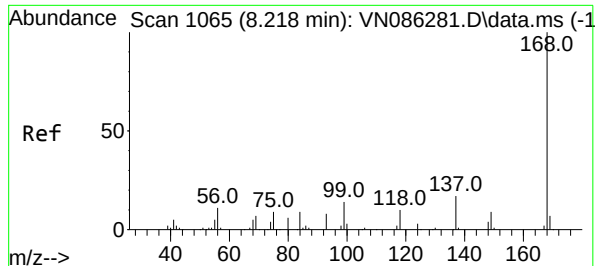
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Quant Title : SW846 8260

QLast Update : Wed Apr 16 03:42:50 2025

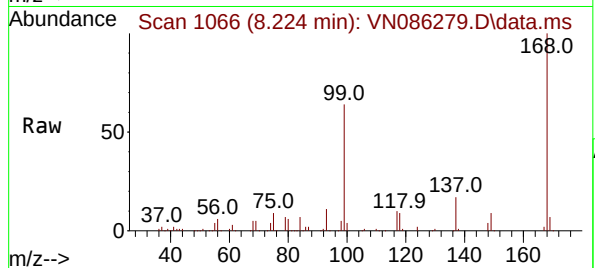
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

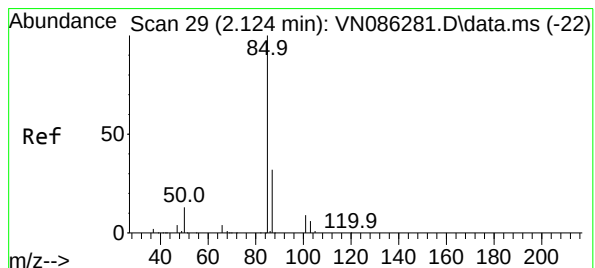
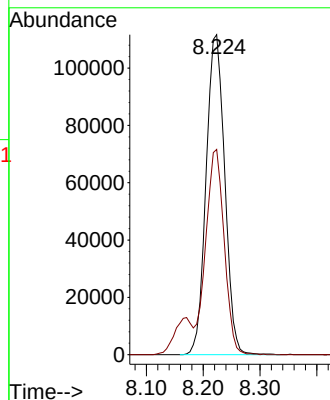
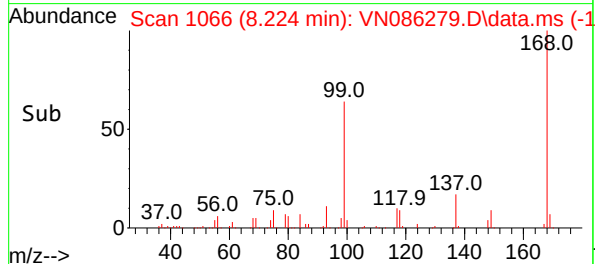
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion:168 Resp: 253570
Ion Ratio Lower Upper
168 100
99 64.1 52.5 78.7

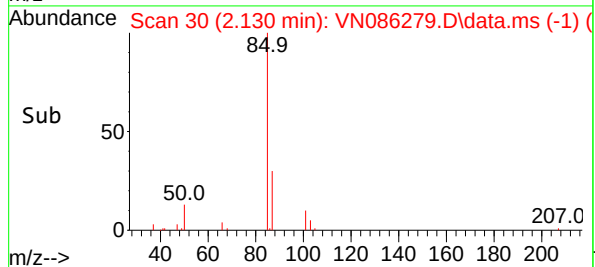
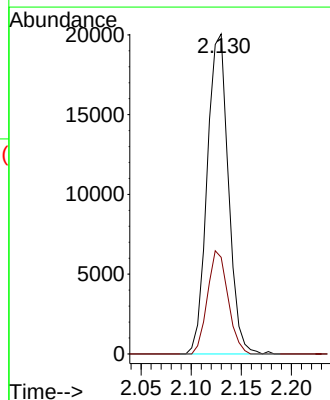
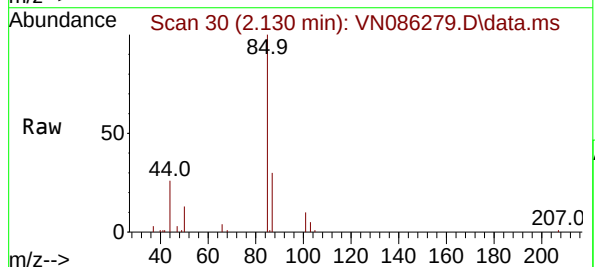
Manual Integrations
APPROVED

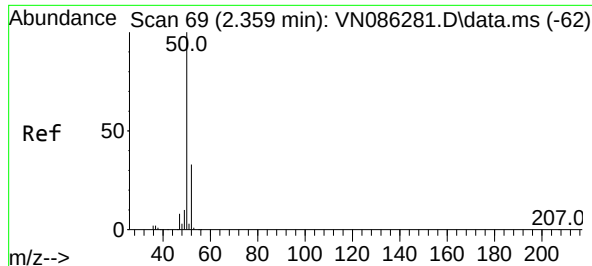
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#2
Dichlorodifluoromethane
Concen: 9.821 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

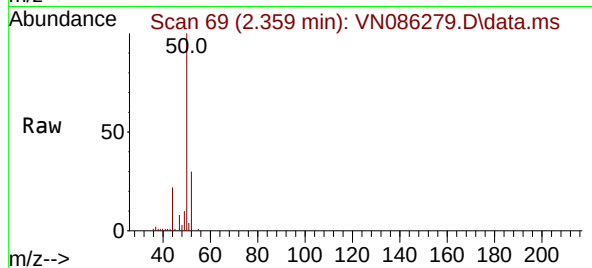
Tgt Ion: 85 Resp: 29521
Ion Ratio Lower Upper
85 100
87 30.2 16.3 48.8





#3
Chloromethane
Concen: 9.094 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

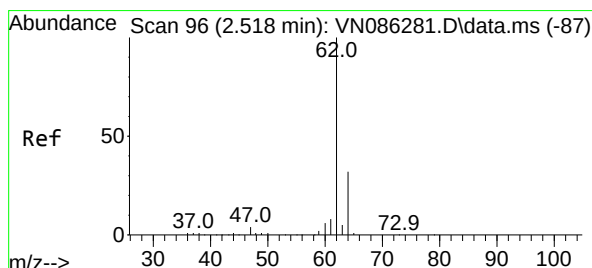
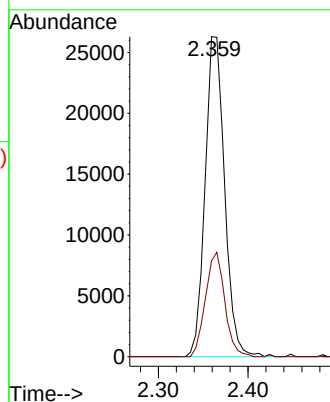
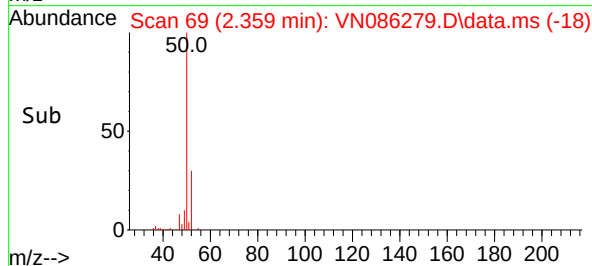
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion: 50 Resp: 39728
Ion Ratio Lower Upper
50 100
52 30.0 26.5 39.7

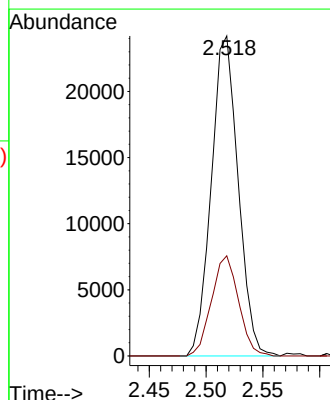
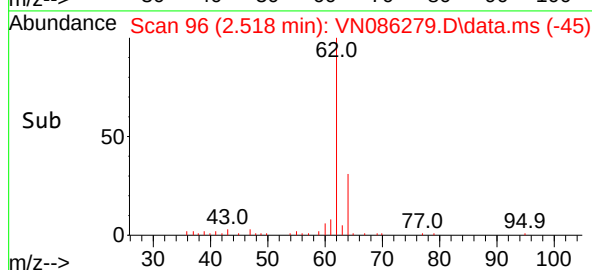
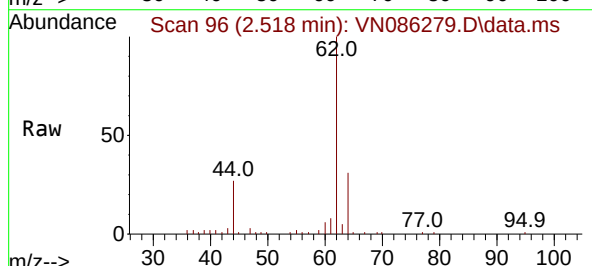
Manual Integrations
APPROVED

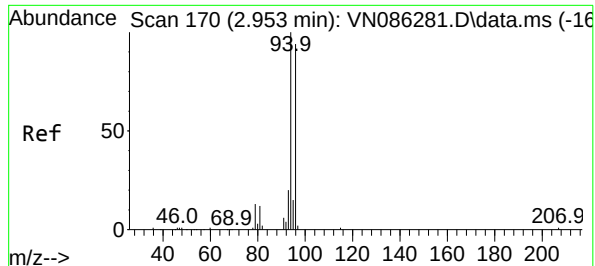
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#4
Vinyl Chloride
Concen: 9.551 ug/l
RT: 2.518 min Scan# 96
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

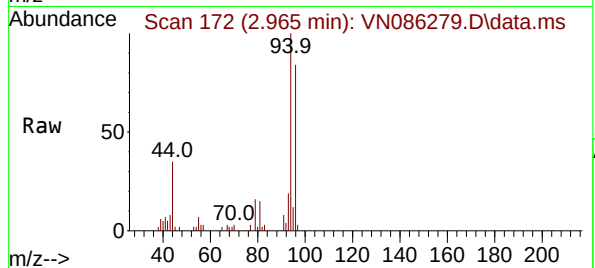
Tgt Ion: 62 Resp: 39819
Ion Ratio Lower Upper
62 100
64 31.3 25.6 38.4





#5
Bromomethane
Concen: 10.013 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

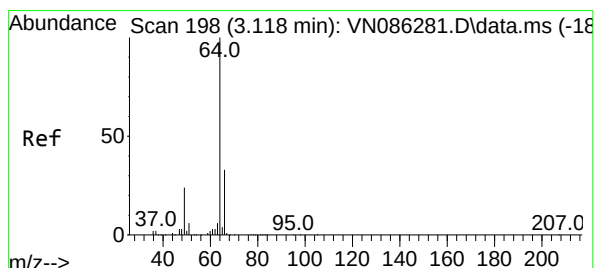
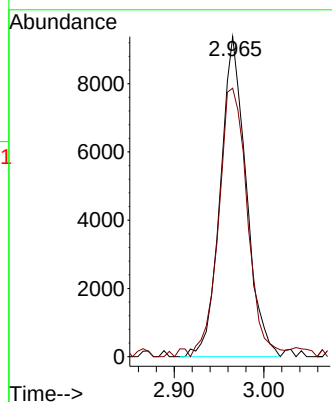
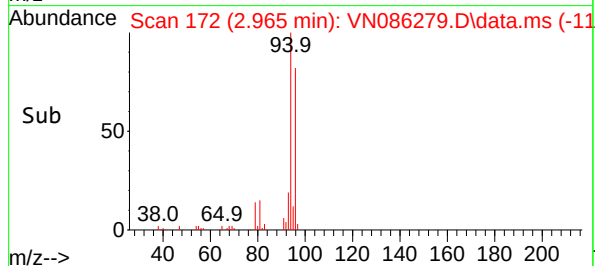
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion: 94 Resp: 18770
Ion Ratio Lower Upper
94 100
96 81.7 75.2 112.8

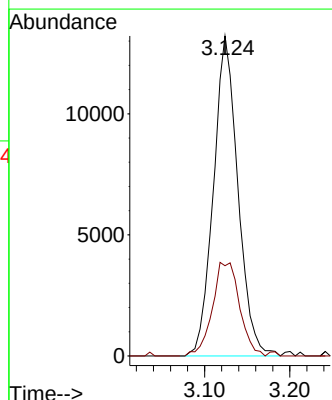
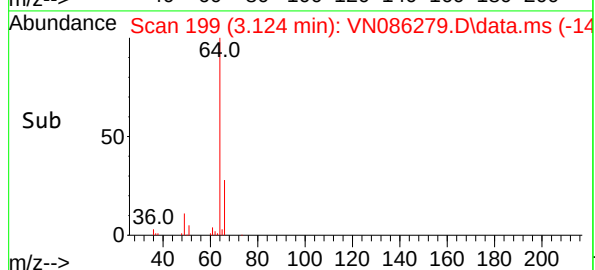
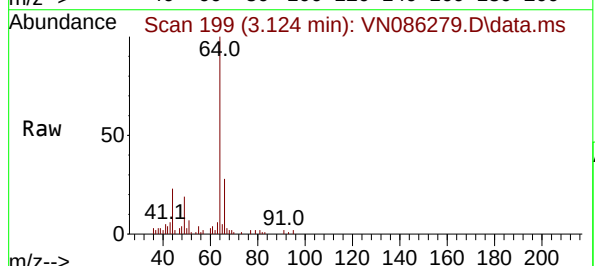
Manual Integrations
APPROVED

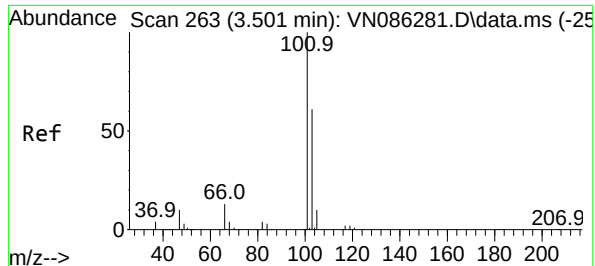
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#6
Chloroethane
Concen: 9.439 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

Tgt Ion: 64 Resp: 26337
Ion Ratio Lower Upper
64 100
66 28.2 26.2 39.2





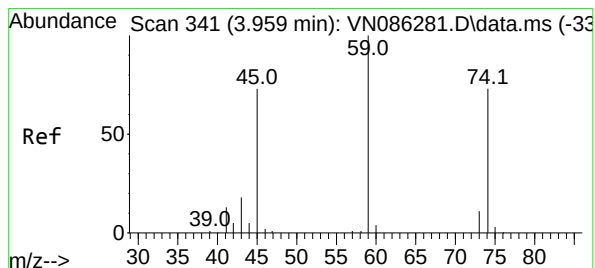
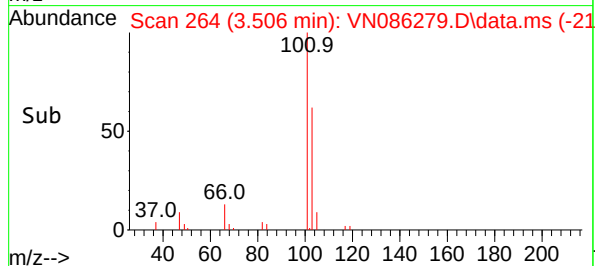
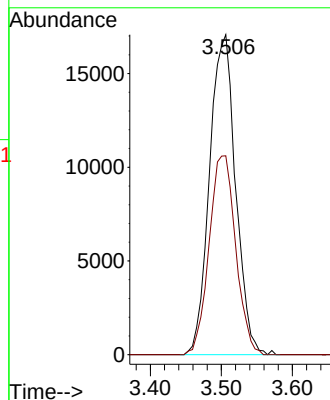
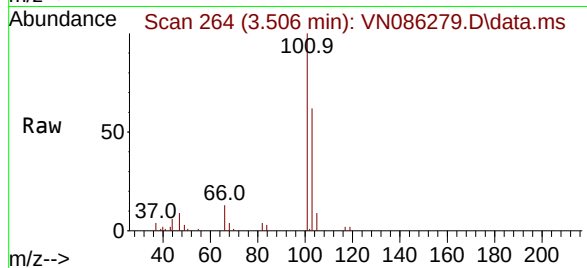
#7
Trichlorofluoromethane
Concen: 9.428 ug/l
RT: 3.506 min Scan# 263
Delta R.T. 0.006 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion: 101 Resp: 43539
Ion Ratio Lower Upper
101 100
103 62.2 49.2 73.8

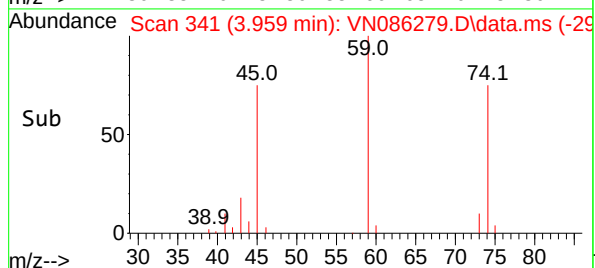
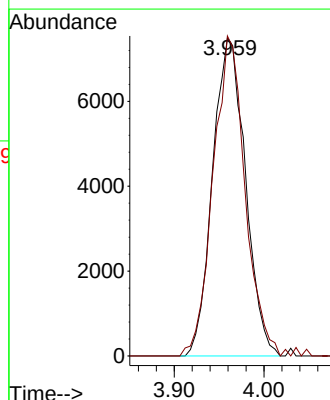
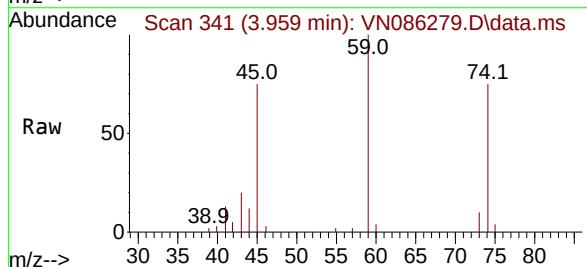
Manual Integrations
APPROVED

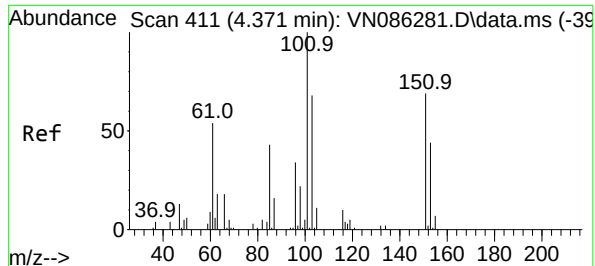
Reviewed By : John Carlone 04/16/2025
Supervised By : Semsettin Yesilyurt 04/16/2025



#8
Diethyl Ether
Concen: 9.425 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

Tgt Ion: 74 Resp: 19000
Ion Ratio Lower Upper
74 100
45 98.3 48.0 144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.478 ug/l

RT: 4.371 min Scan# 411

Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

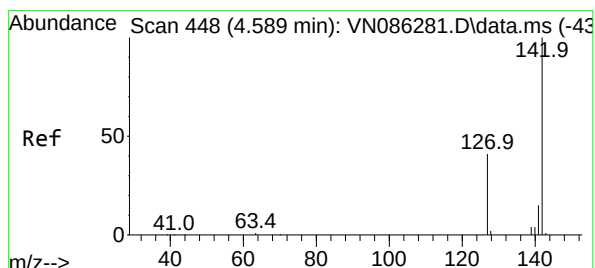
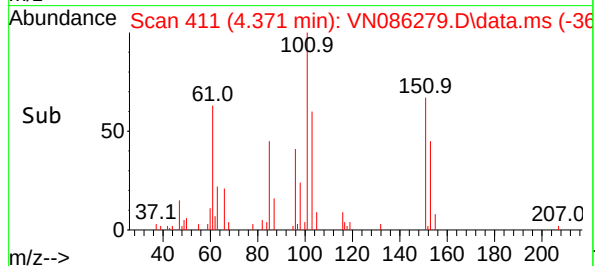
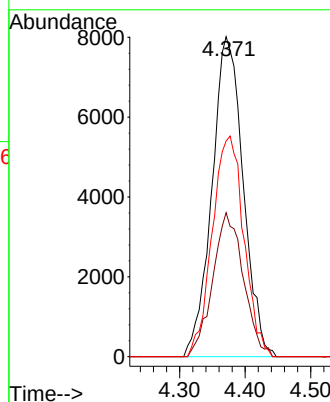
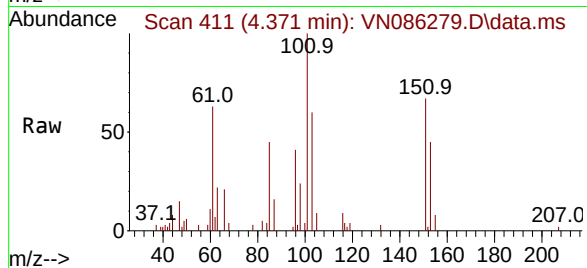
Tgt Ion:	101	Resp:	26478
Ion	Ratio	Lower	Upper
101	100		
85	44.2	34.7	52.1
151	69.8	56.1	84.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#10

Methyl Iodide

Concen: 9.308 ug/l

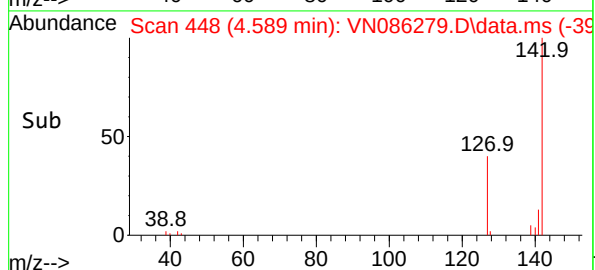
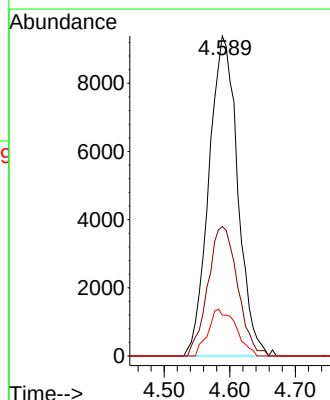
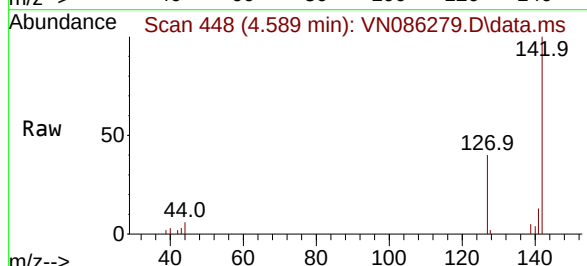
RT: 4.589 min Scan# 448

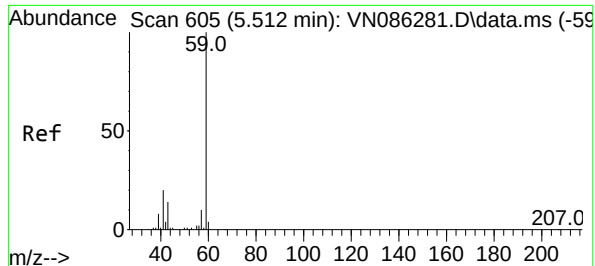
Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Tgt Ion:	142	Resp:	28586
Ion	Ratio	Lower	Upper
142	100		
127	40.4	32.7	49.1
141	12.8	11.7	17.5





#11

Tert butyl alcohol

Concen: 51.188 ug/l

RT: 5.506 min Scan# 605

Delta R.T. -0.006 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 59 Resp: 3434

Ion Ratio Lower Upper

59 100

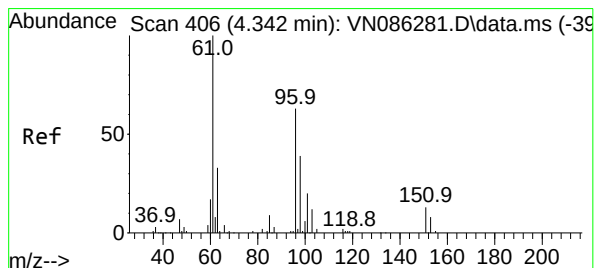
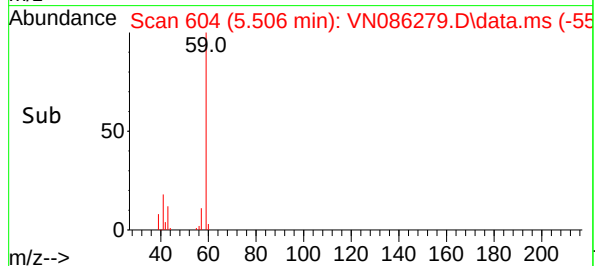
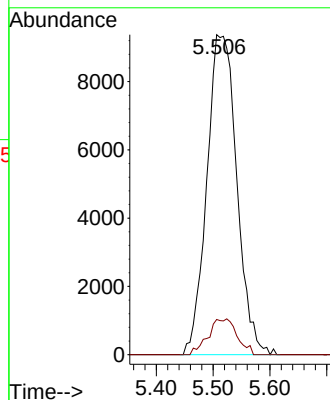
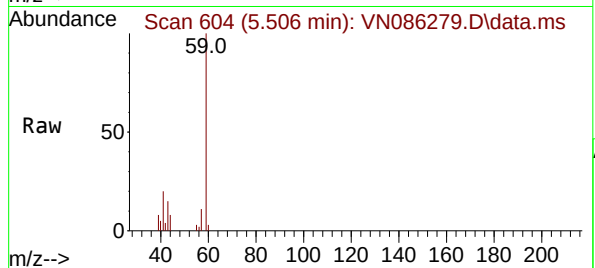
57 10.8 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#12

1,1-Dichloroethene

Concen: 9.389 ug/l

RT: 4.342 min Scan# 406

Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

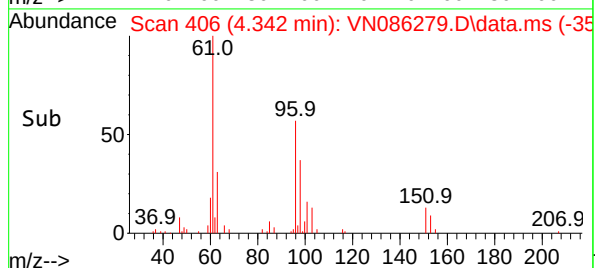
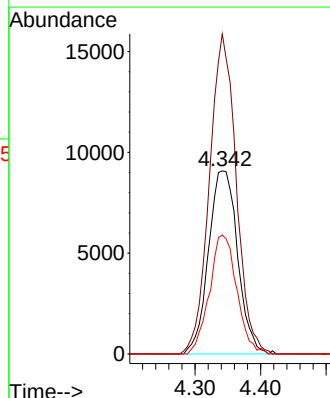
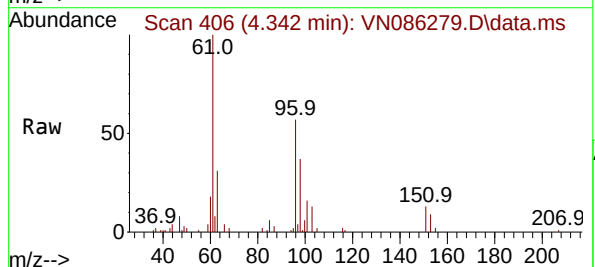
Tgt Ion: 96 Resp: 28022

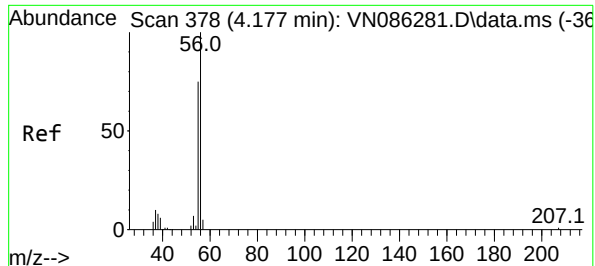
Ion Ratio Lower Upper

96 100

61 174.9 126.6 189.8

98 65.1 49.6 74.4





#13

Acrolein

Concen: 44.165 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 56 Resp: 1770

Ion Ratio Lower Upper

56 100

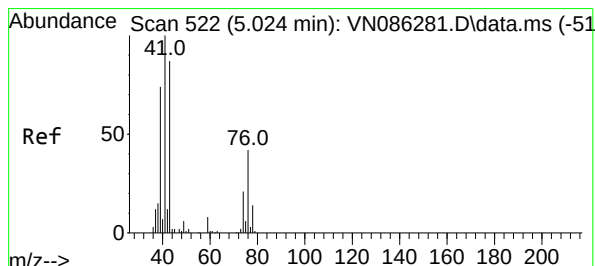
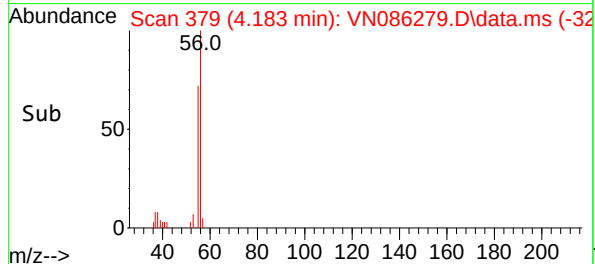
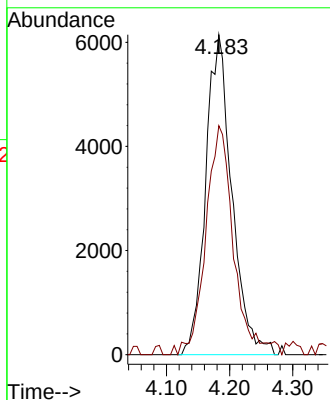
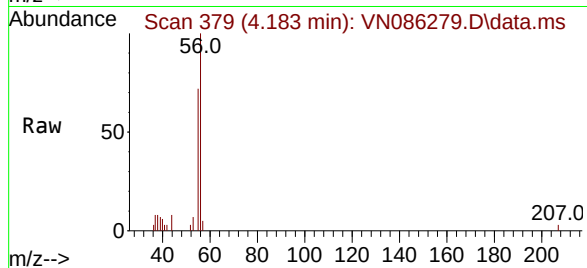
55 74.3 58.5 87.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#14

Allyl chloride

Concen: 9.157 ug/l m

RT: 5.024 min Scan# 522

Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

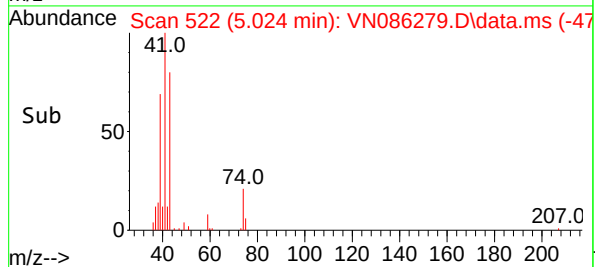
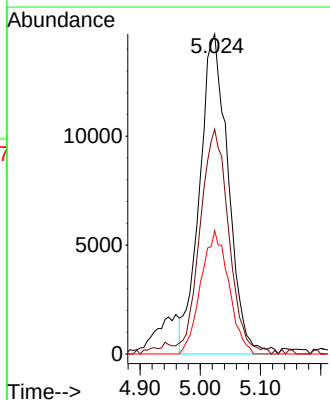
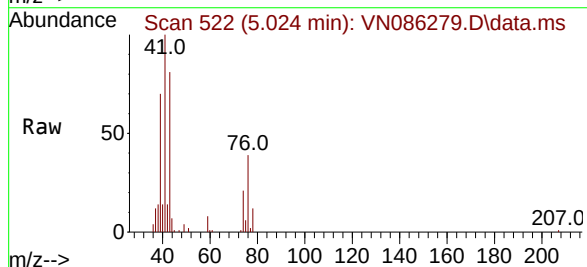
Tgt Ion: 41 Resp: 48555

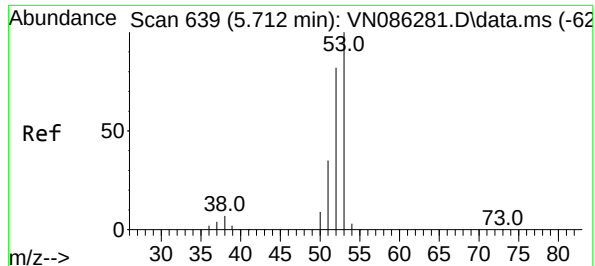
Ion Ratio Lower Upper

41 100

39 70.8 59.2 88.8

76 37.4 31.2 46.8





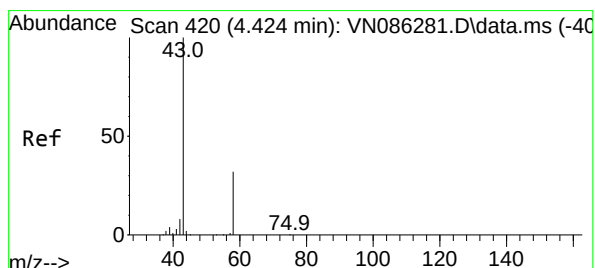
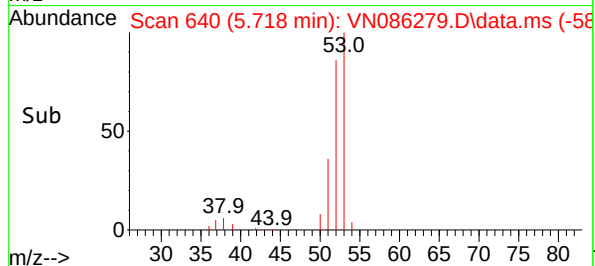
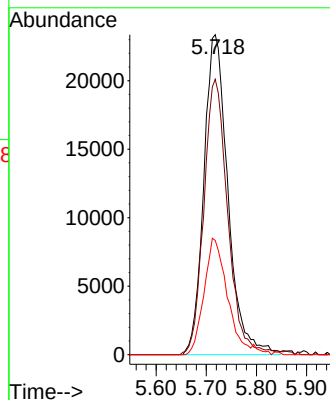
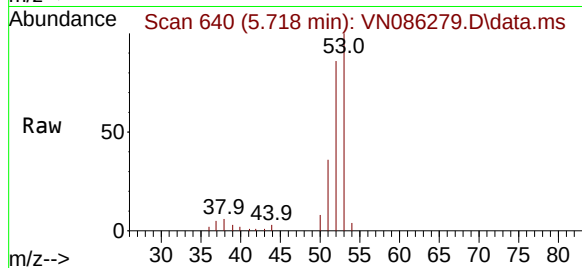
#15
Acrylonitrile
Concen: 47.141 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

Instrument :
MSVOA_N
Client Sample Id :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
53	100		
52	85.3	65.5	98.3
51	35.8	28.6	42.8

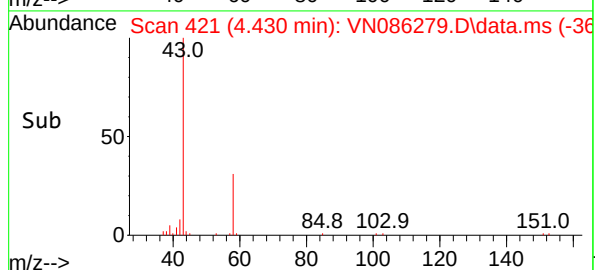
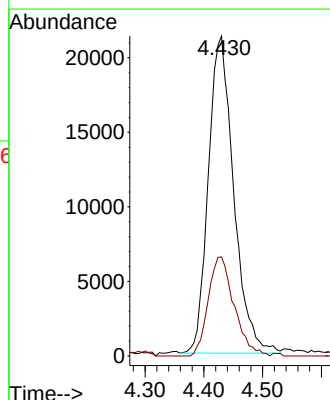
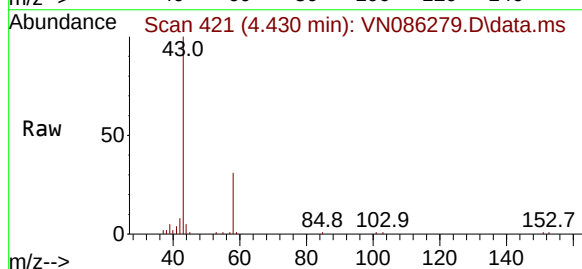
Manual Integrations
APPROVED

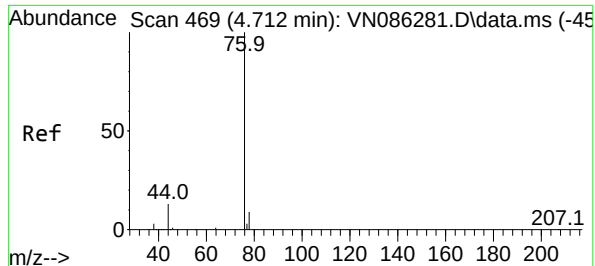
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#16
Acetone
Concen: 45.485 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.2	25.3	37.9





#17

Carbon Disulfide

Concen: 9.090 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 76 Resp: 81234

Ion Ratio Lower Upper

76 100

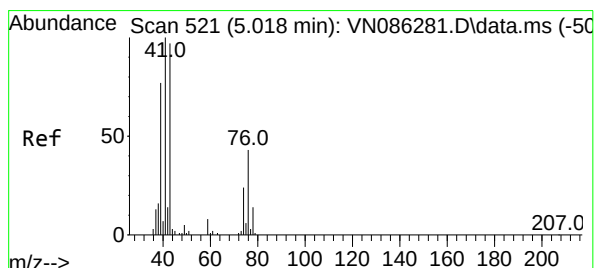
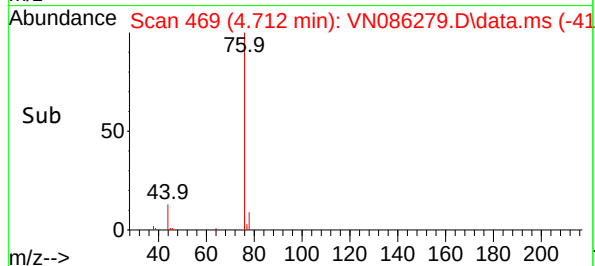
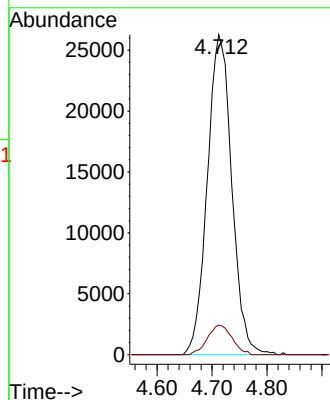
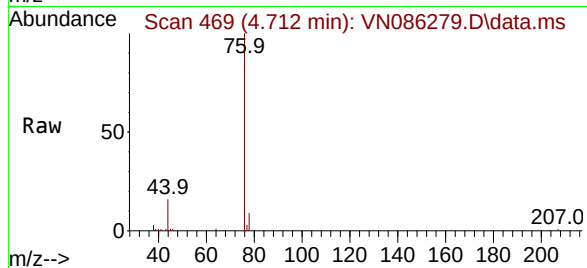
78 9.2 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#18

Methyl Acetate

Concen: 9.413 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN086279.D

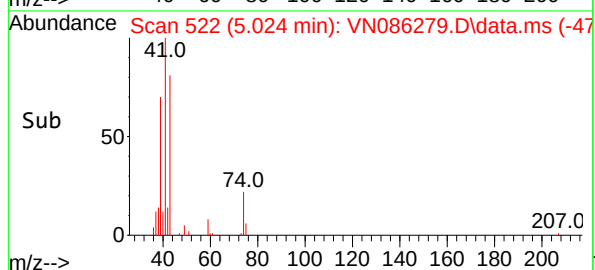
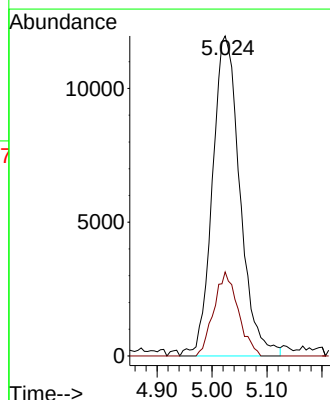
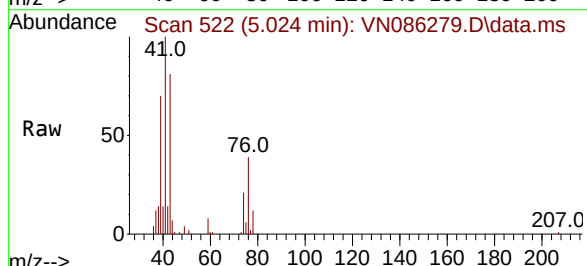
Acq: 15 Apr 2025 12:45

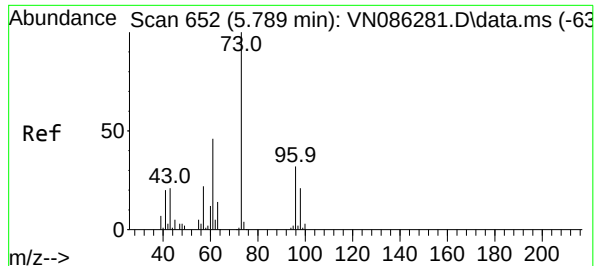
Tgt Ion: 43 Resp: 41546

Ion Ratio Lower Upper

43 100

74 23.2 19.8 29.6





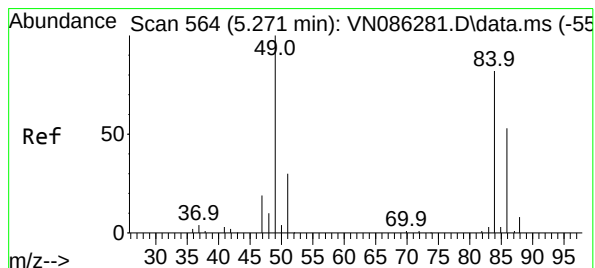
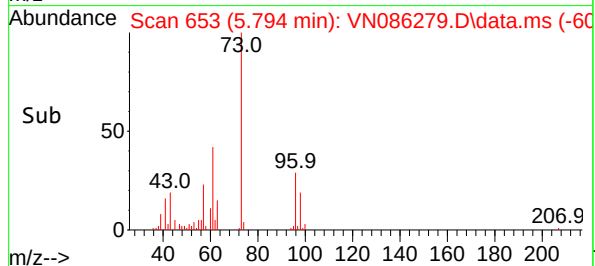
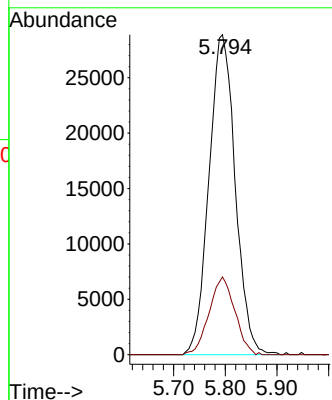
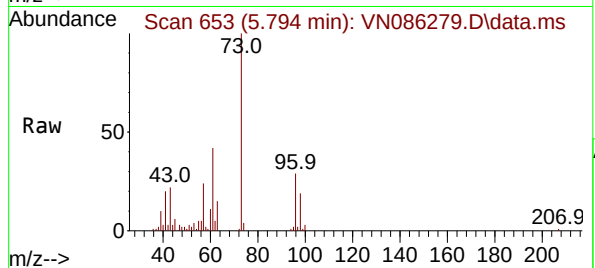
#19
Methyl tert-butyl Ether
Concen: 9.304 ug/l
RT: 5.794 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 102069
Ion Ratio Lower Upper
73 100
57 24.3 17.6 26.4

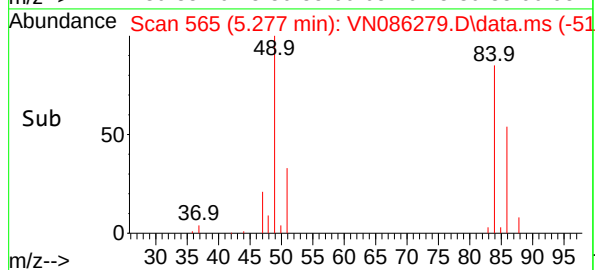
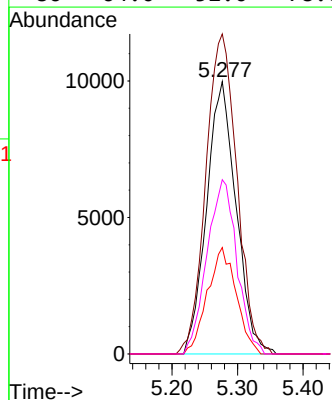
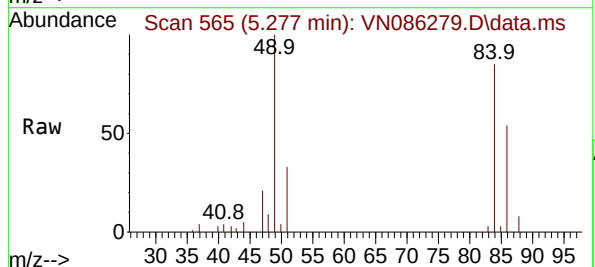
Manual Integrations
APPROVED

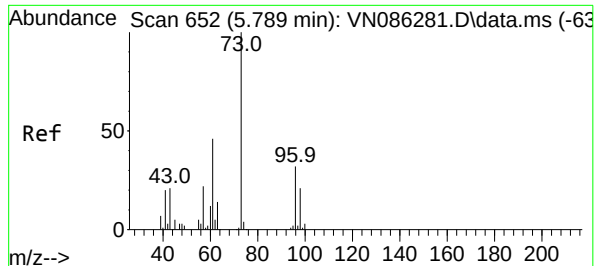
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#20
Methylene Chloride
Concen: 9.183 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

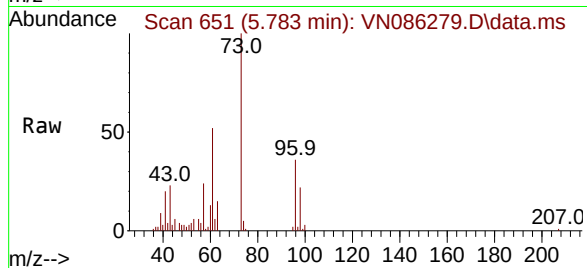
Tgt Ion: 84 Resp: 31218
Ion Ratio Lower Upper
84 100
49 117.5 98.2 147.2
51 39.1 29.8 44.6
86 64.0 52.0 78.0





#21
trans-1,2-Dichloroethene
Concen: 9.060 ug/l
RT: 5.783 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

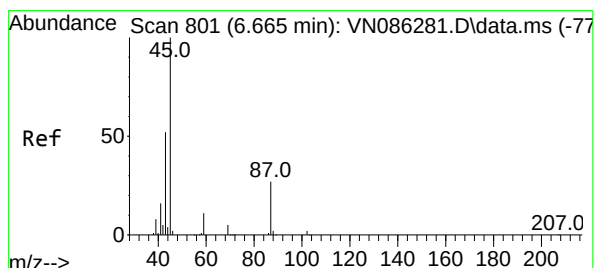
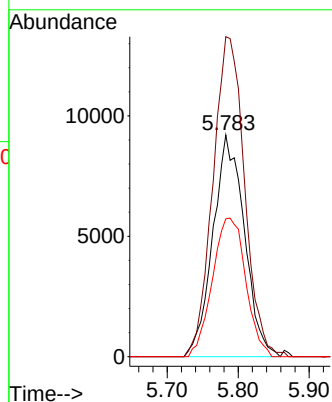
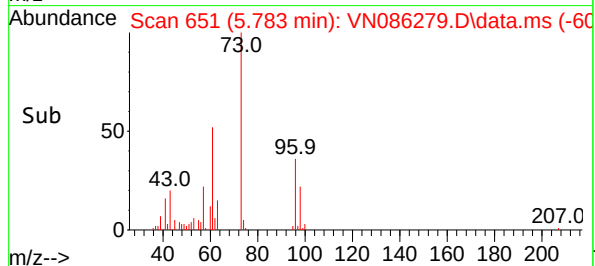
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion: 96 Resp: 2827
Ion Ratio Lower Upper
96 100
61 144.3 114.6 171.8
98 62.1 51.2 76.8

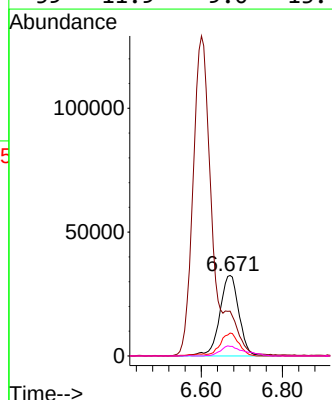
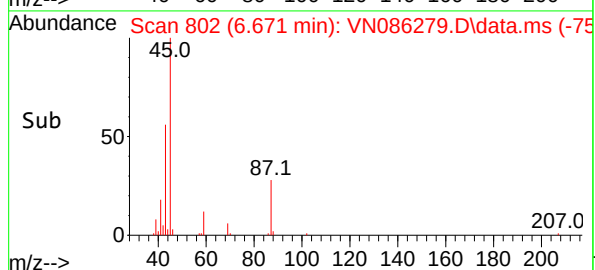
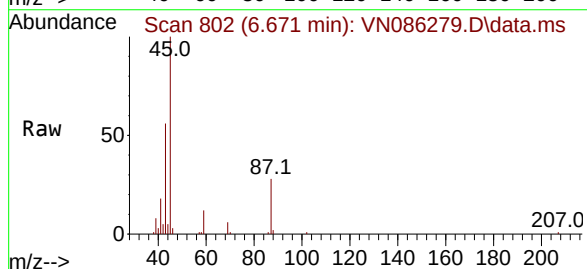
Manual Integrations
APPROVED

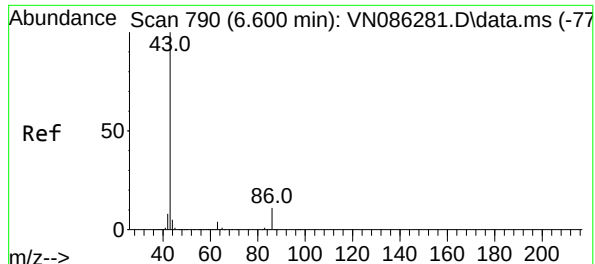
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#22
Diisopropyl ether
Concen: 9.259 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

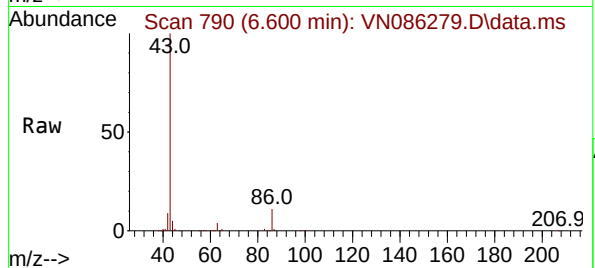
Tgt Ion: 45 Resp: 106867
Ion Ratio Lower Upper
45 100
43 54.4 41.8 62.8
87 28.4 21.6 32.4
59 11.9 9.0 13.4





#23
Vinyl Acetate
Concen: 47.903 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

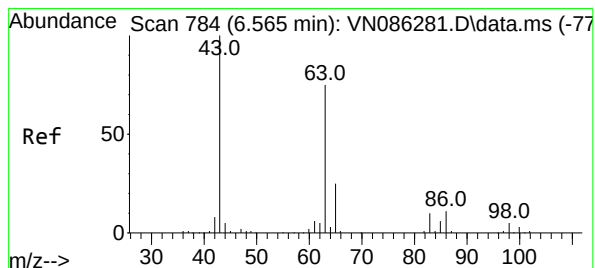
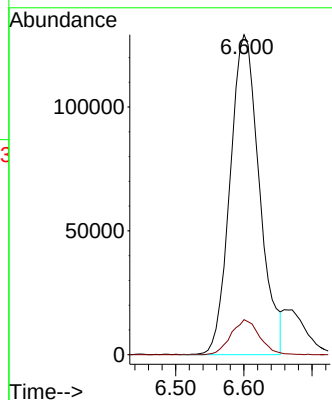
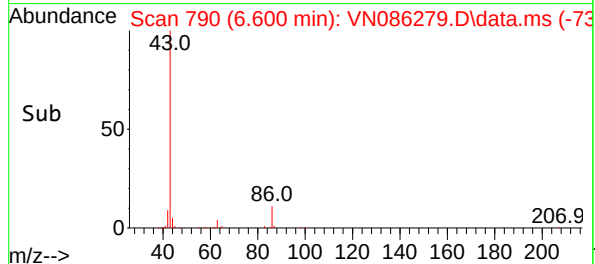
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion: 43 Resp: 38638
Ion Ratio Lower Upper
43 100
86 10.9 8.6 13.0

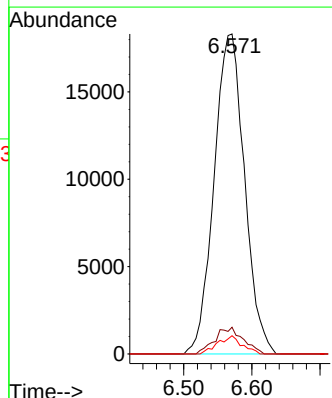
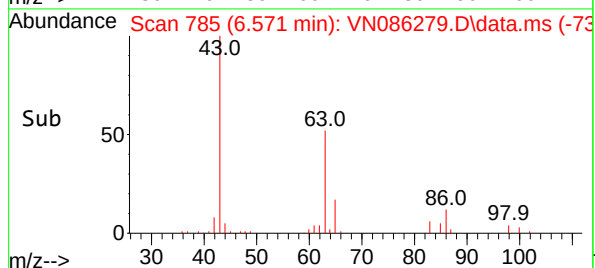
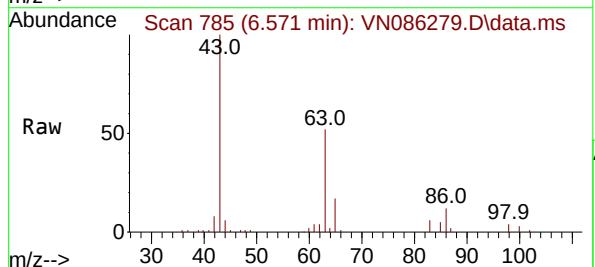
Manual Integrations
APPROVED

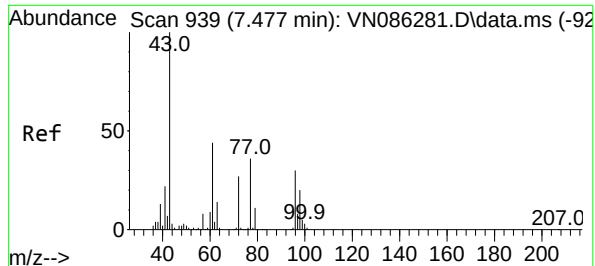
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#24
1,1-Dichloroethane
Concen: 9.345 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.006 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

Tgt Ion: 63 Resp: 56906
Ion Ratio Lower Upper
63 100
98 8.4 3.4 10.2
100 5.7 2.1 6.5





#25

2-Butanone

Concen: 46.500 ug/l

RT: 7.477 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 106429

Ion Ratio Lower Upper

43 100

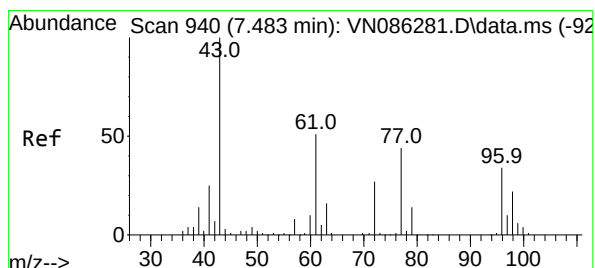
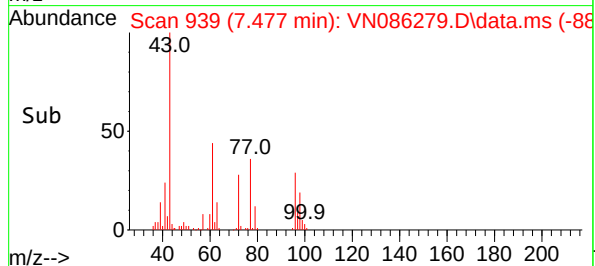
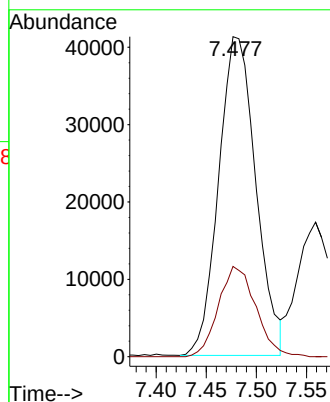
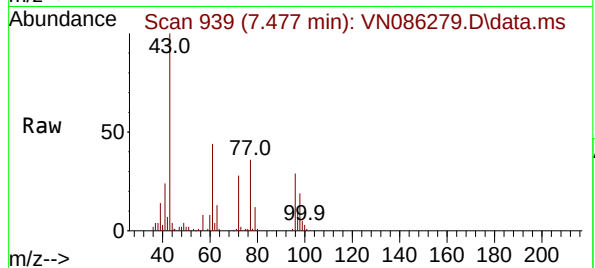
72 28.3 21.7 32.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#26

2,2-Dichloropropane

Concen: 9.525 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN086279.D

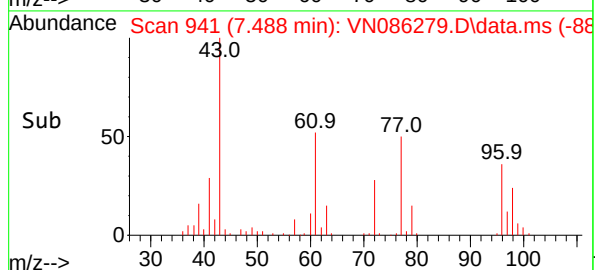
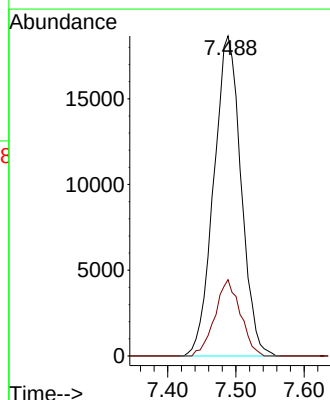
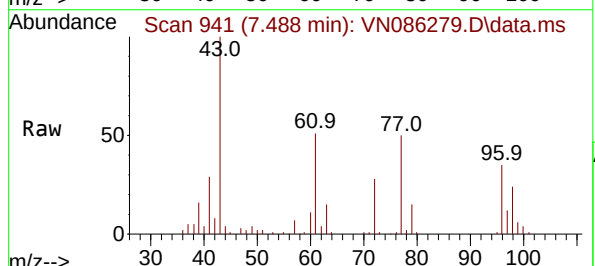
Acq: 15 Apr 2025 12:45

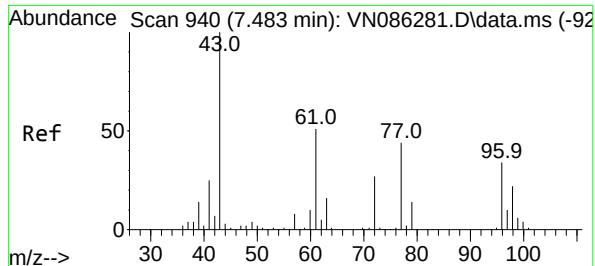
Tgt Ion: 77 Resp: 51934

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 9.084 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 96 Resp: 35180

Ion Ratio Lower Upper

96 100

61 149.5 0.0 299.0

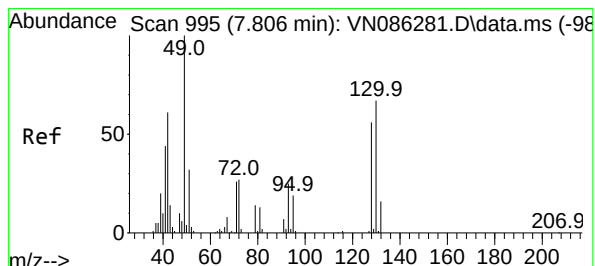
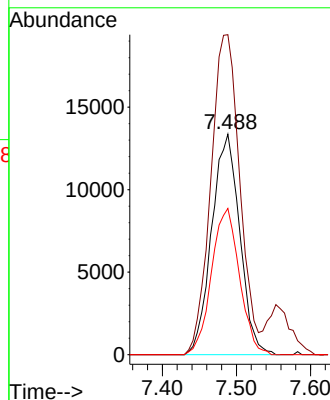
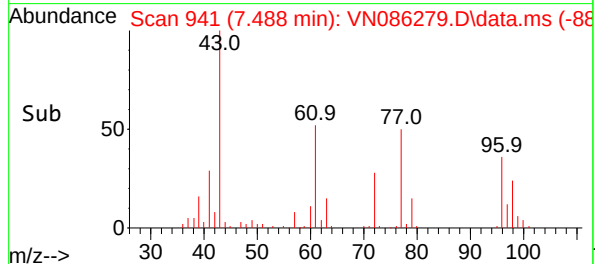
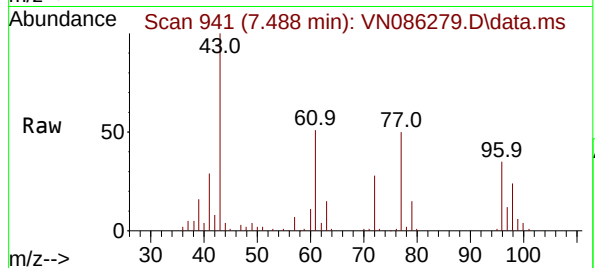
98 66.1 0.0 129.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#28

Bromochloromethane

Concen: 8.557 ug/l

RT: 7.806 min Scan# 995

Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

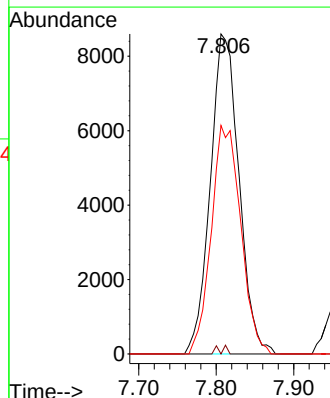
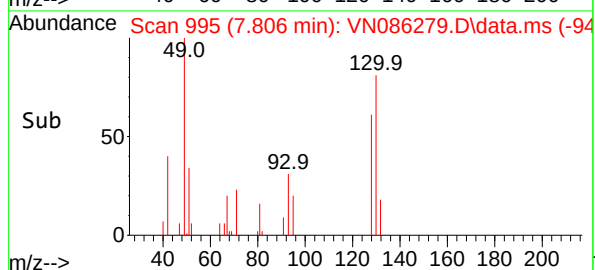
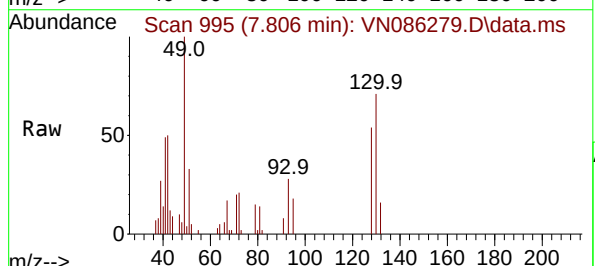
Tgt Ion: 49 Resp: 22094

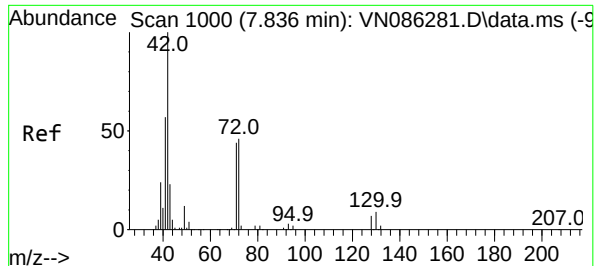
Ion Ratio Lower Upper

49 100

129 0.7 0.0 3.4

130 73.4 57.1 85.7





#29

Tetrahydrofuran

Concen: 47.462 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

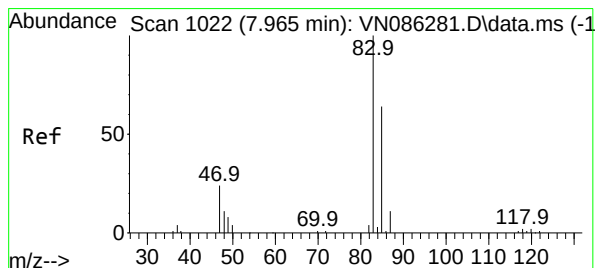
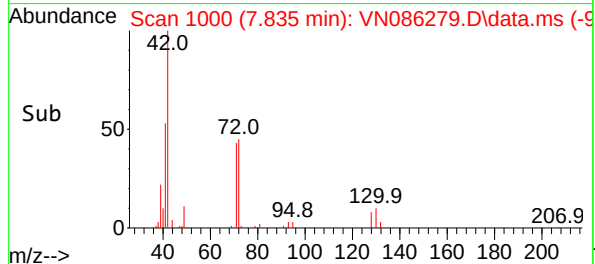
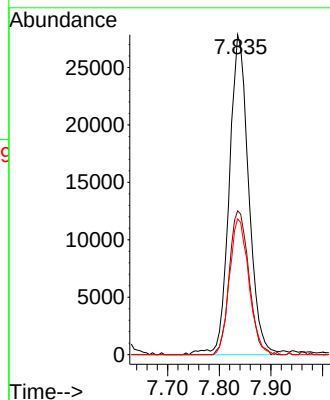
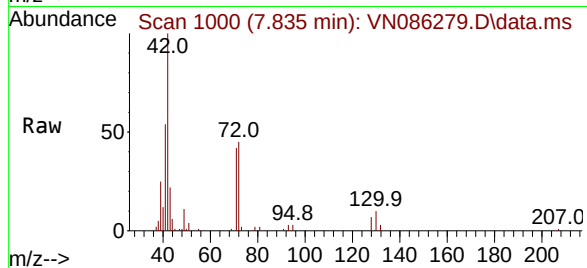
Tgt Ion:	42	Resp:	7264
Ion	Ratio	Lower	Upper
42	100		
72	45.4	36.2	54.4
71	42.6	34.0	51.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#30

Chloroform

Concen: 9.511 ug/l

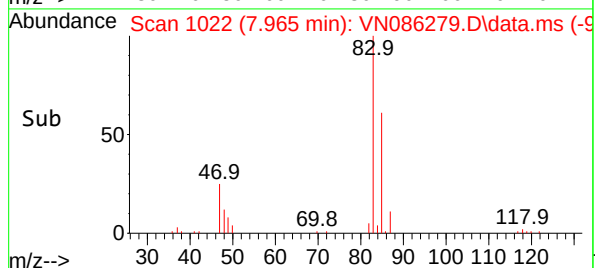
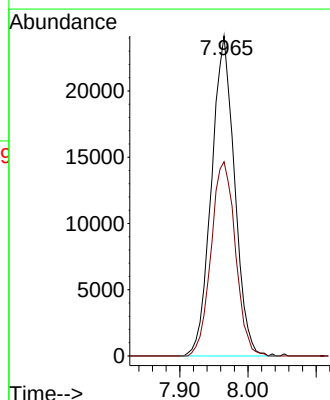
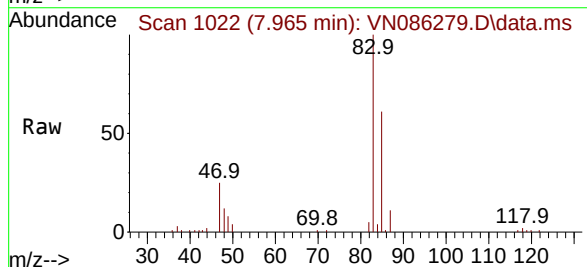
RT: 7.965 min Scan# 1022

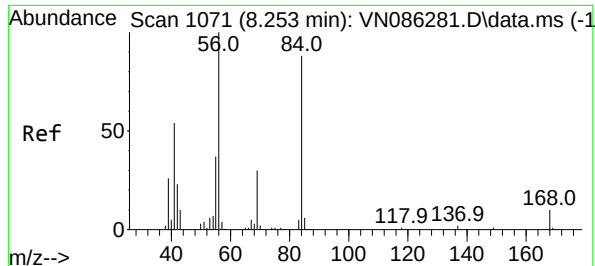
Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Tgt Ion:	83	Resp:	56896
Ion	Ratio	Lower	Upper
83	100		
85	60.7	51.5	77.3





#31

Cyclohexane

Concen: 9.699 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 56 Resp: 5779

Ion Ratio Lower Upper

56 100

69 35.4 24.2 36.2

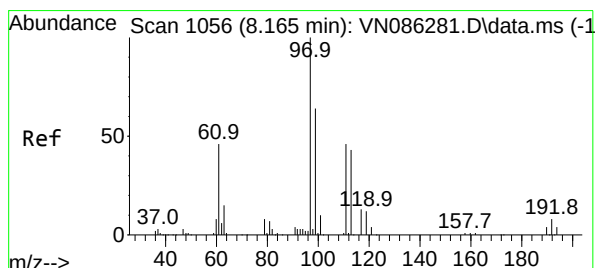
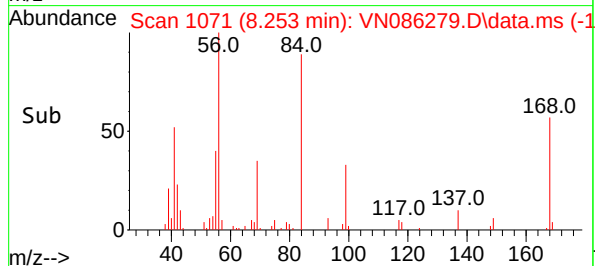
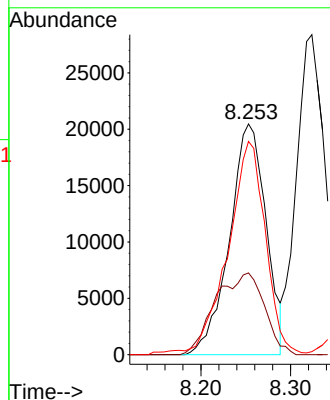
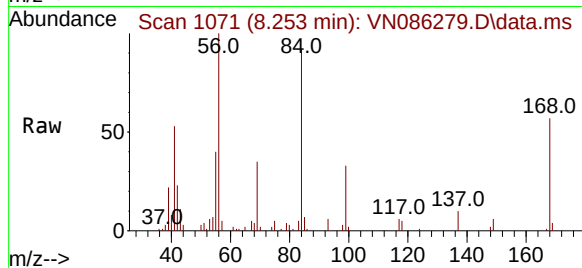
84 90.6 70.3 105.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#32

1,1,1-Trichloroethane

Concen: 9.441 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

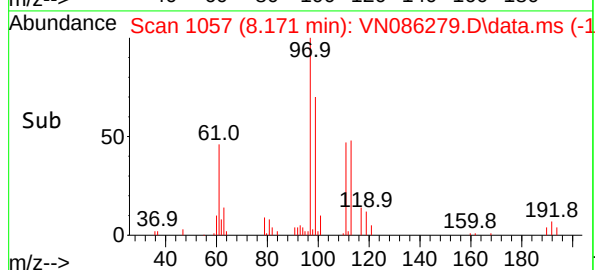
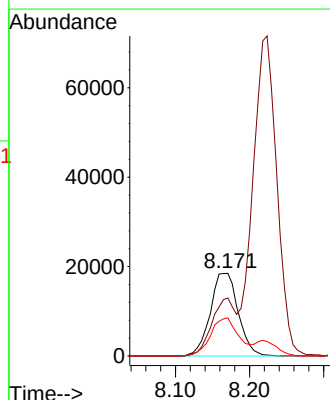
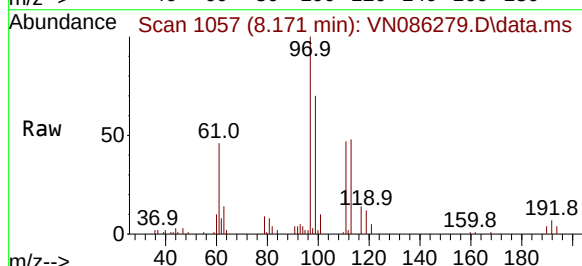
Tgt Ion: 97 Resp: 48313

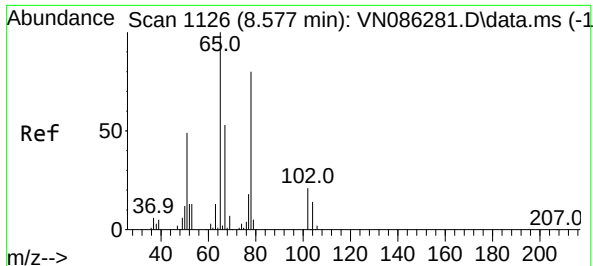
Ion Ratio Lower Upper

97 100

99 58.8 52.7 79.1

61 46.1 39.5 59.3





#33

1,2-Dichloroethane-d4

Concen: 10.272 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 65 Resp: 37770

Ion Ratio Lower Upper

65 100

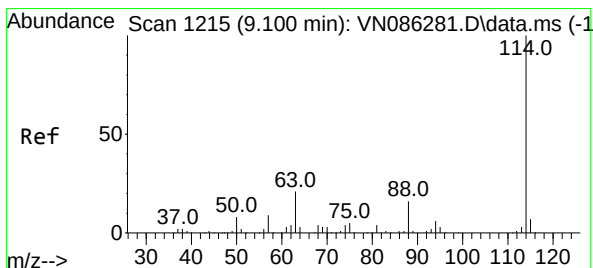
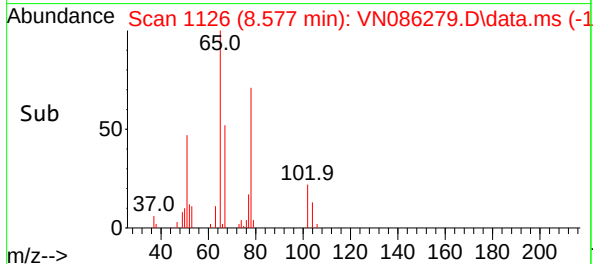
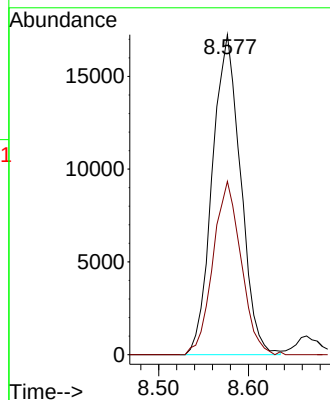
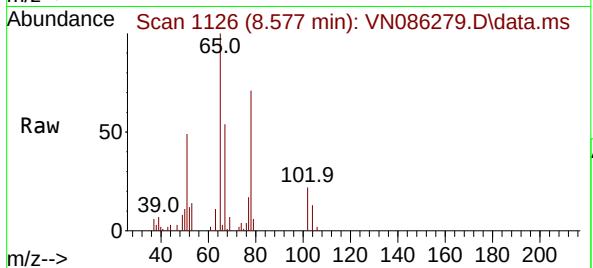
67 53.8 0.0 106.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

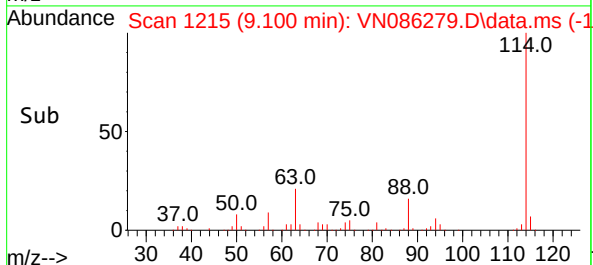
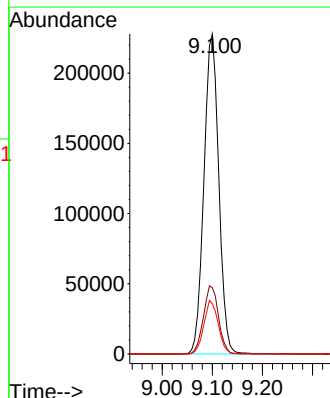
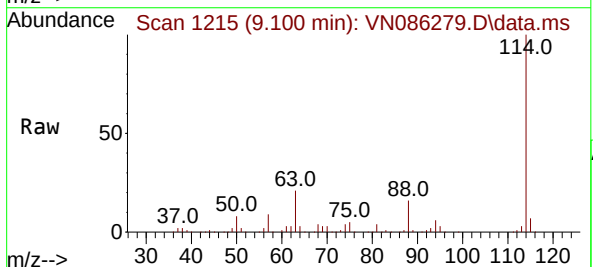
Tgt Ion:114 Resp: 468933

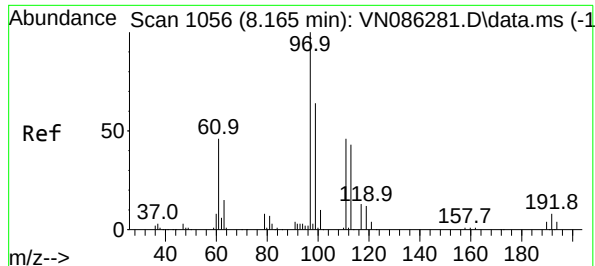
Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

88 15.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 10.985 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

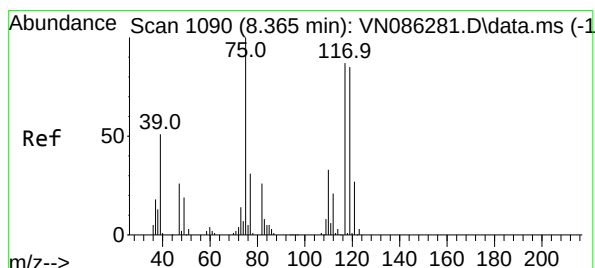
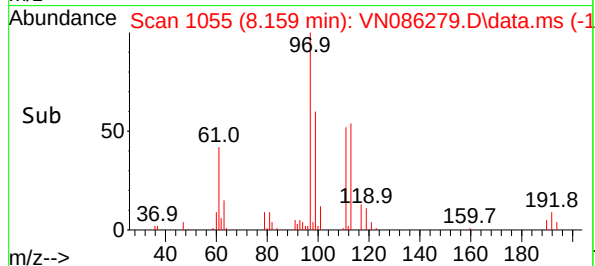
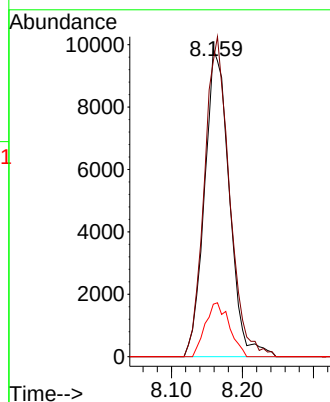
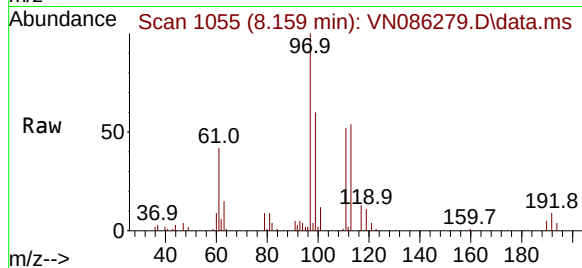
Tgt Ion:	113	Resp:	2390
Ion	Ratio	Lower	Upper
113	100		
111	105.1	83.4	125.0
192	17.0	13.7	20.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#36

1,1-Dichloropropene

Concen: 9.202 ug/l

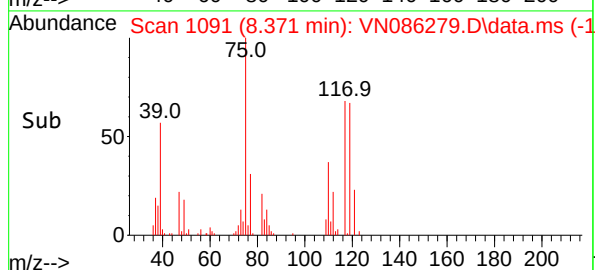
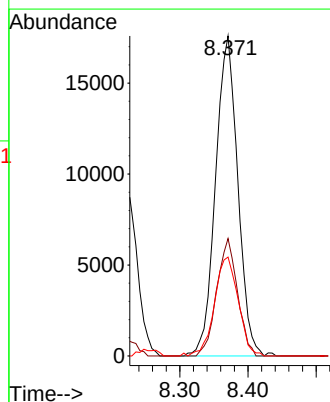
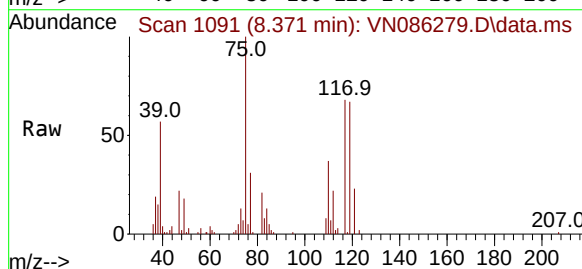
RT: 8.371 min Scan# 1091

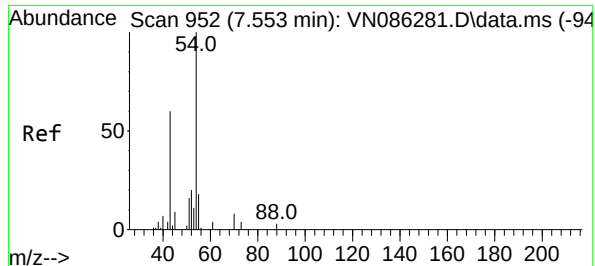
Delta R.T. 0.006 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Tgt Ion:	75	Resp:	39999
Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.8	50.4
77	33.0	24.9	37.3





#37

Ethyl Acetate

Concen: 9.385 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 4295

Ion Ratio Lower Upper

43 100

61 14.6 11.1 16.7

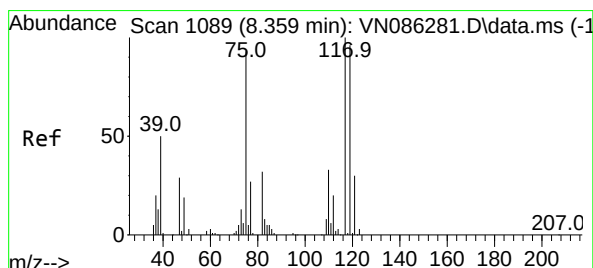
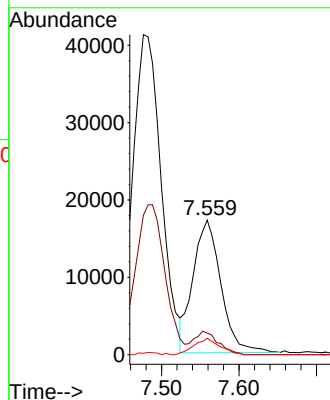
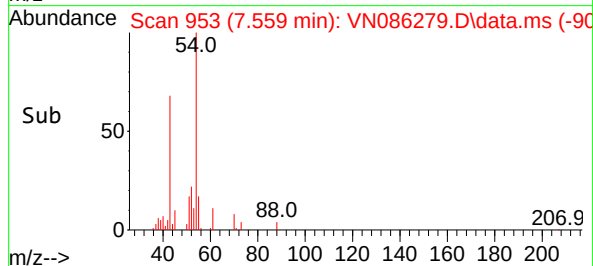
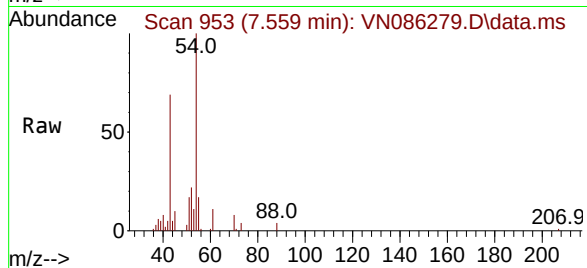
70 11.3 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#38

Carbon Tetrachloride

Concen: 9.263 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

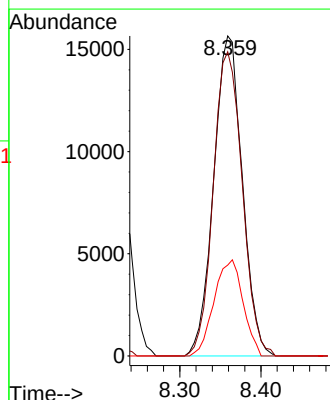
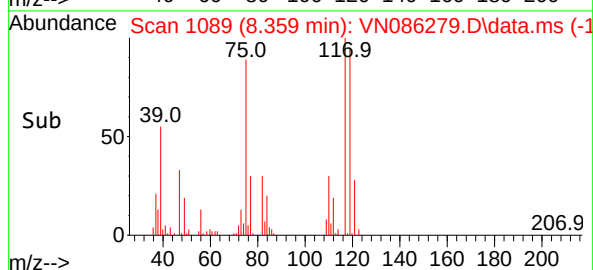
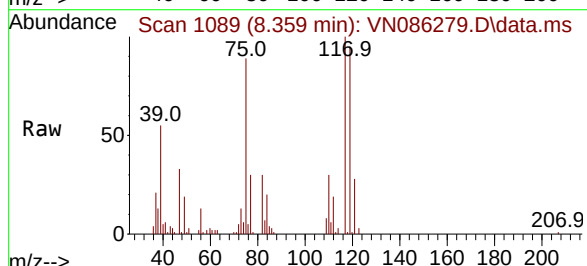
Tgt Ion:117 Resp: 38345

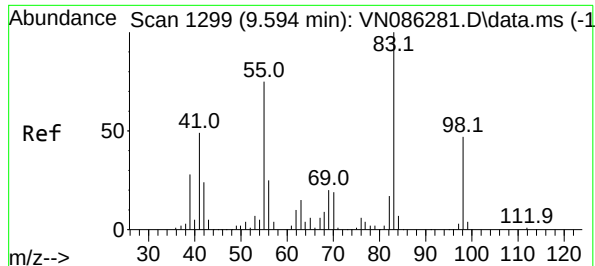
Ion Ratio Lower Upper

117 100

119 95.1 76.8 115.2

121 28.4 23.8 35.8





#39

Methylcyclohexane

Concen: 9.305 ug/l

RT: 9.594 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 83 Resp: 48070

Ion Ratio Lower Upper

83 100

55 75.8 59.8 89.8

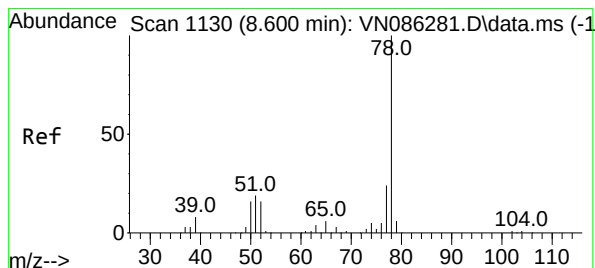
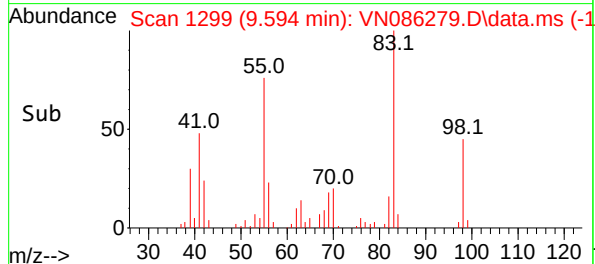
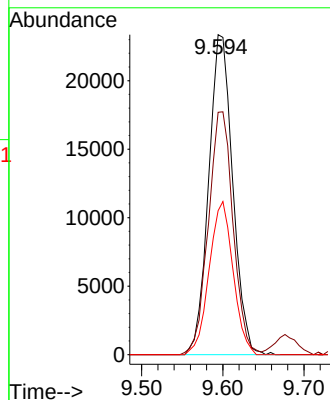
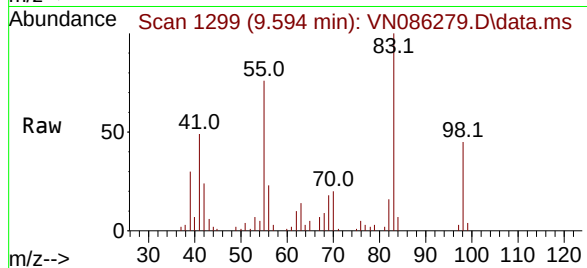
98 45.0 37.9 56.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#40

Benzene

Concen: 9.352 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN086279.D

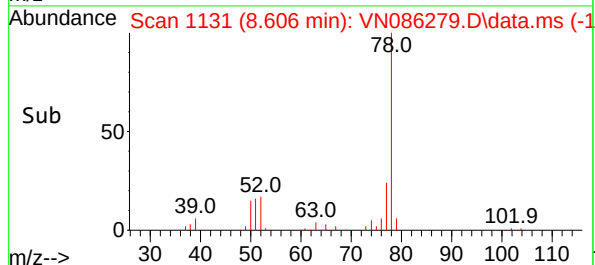
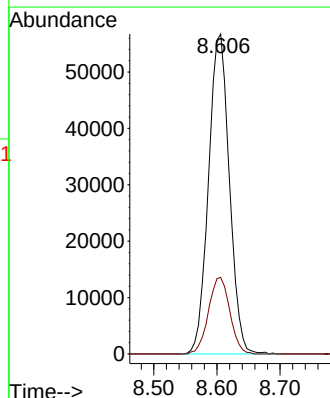
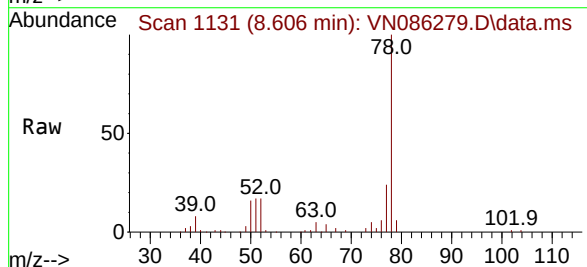
Acq: 15 Apr 2025 12:45

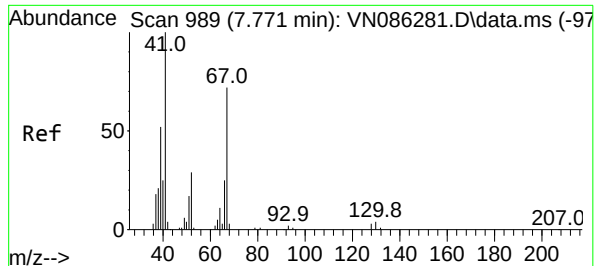
Tgt Ion: 78 Resp: 130256

Ion Ratio Lower Upper

78 100

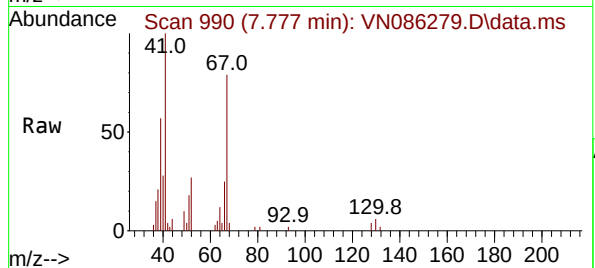
77 23.9 19.4 29.2





#41
Methacrylonitrile
Concen: 9.824 ug/l
RT: 7.777 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

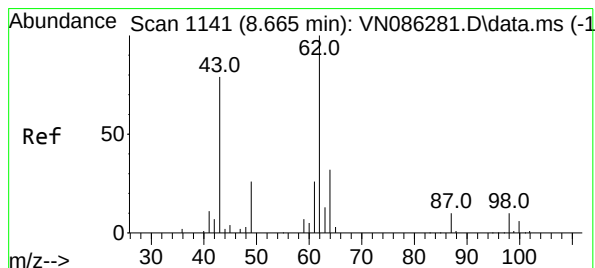
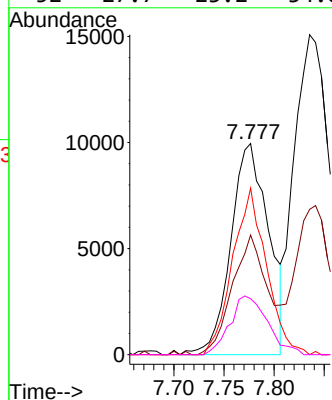
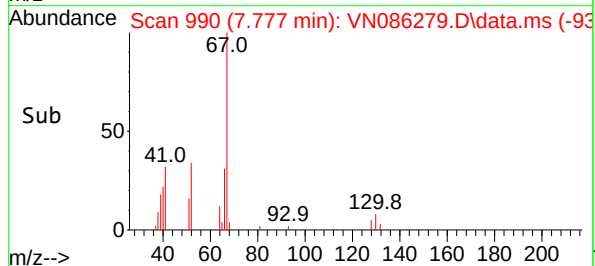
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion: 41 Resp: 2605
Ion Ratio Lower Upper
41 100
39 53.2 43.0 64.4
67 70.7 58.8 88.2
52 27.7 23.2 34.8

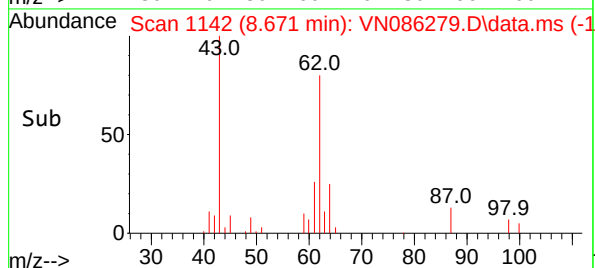
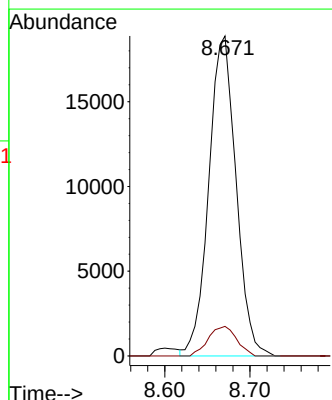
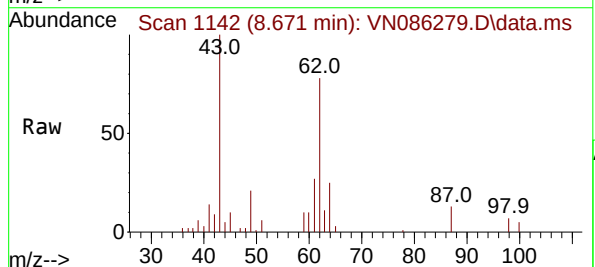
Manual Integrations
APPROVED

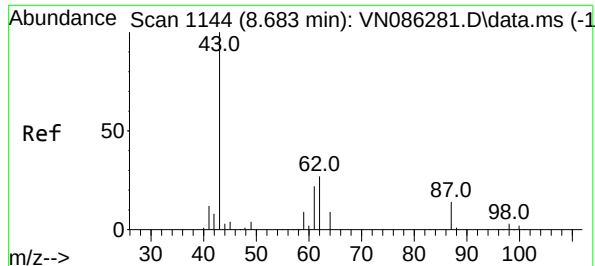
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#42
1,2-Dichloroethane
Concen: 9.452 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

Tgt Ion: 62 Resp: 41980
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.2





#43

Isopropyl Acetate

Concen: 9.381 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.001 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

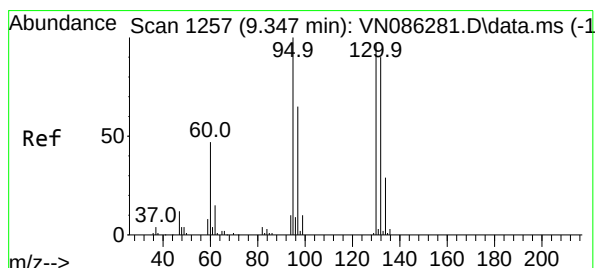
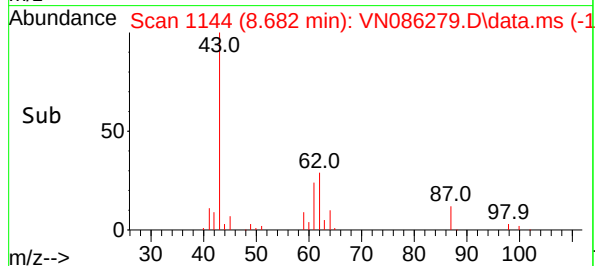
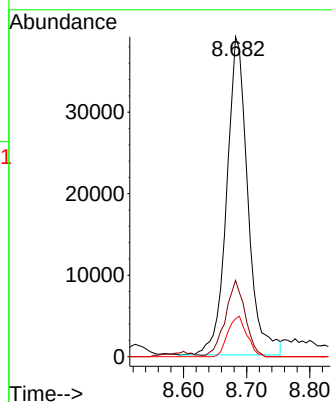
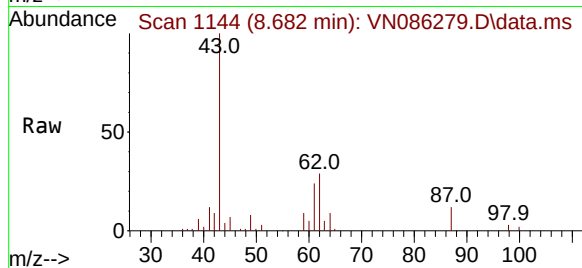
Tgt Ion: 43	Resp: 90910
Ion Ratio	Lower Upper
43	100
61	22.5 20.5 30.7
87	11.4 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#44

Trichloroethene

Concen: 9.476 ug/l

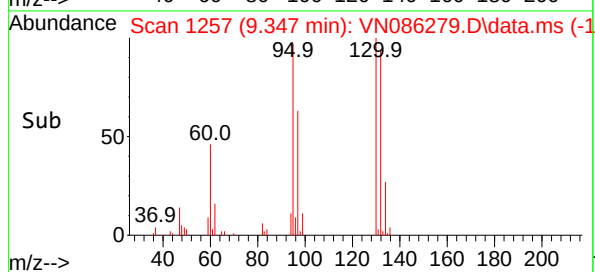
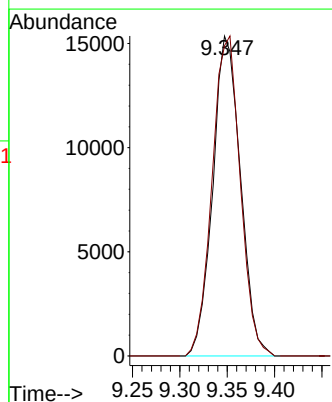
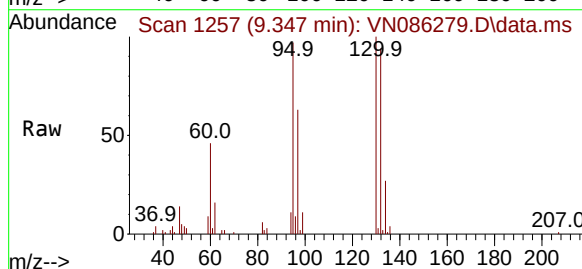
RT: 9.347 min Scan# 1257

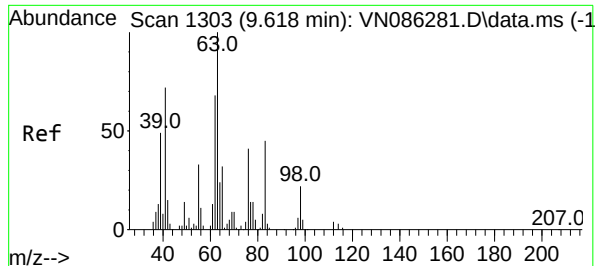
Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Tgt Ion:130	Resp: 31281
Ion Ratio	Lower Upper
130	100
95	97.0 0.0 207.2





#45

1,2-Dichloropropane

Concen: 9.759 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 63 Resp: 33270

Ion Ratio Lower Upper

63 100

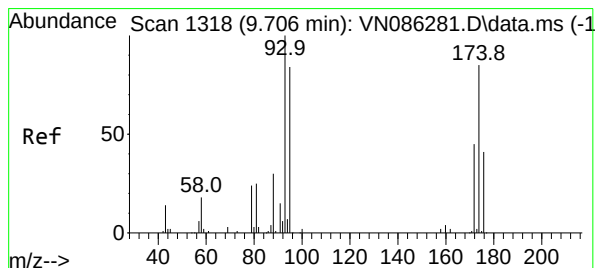
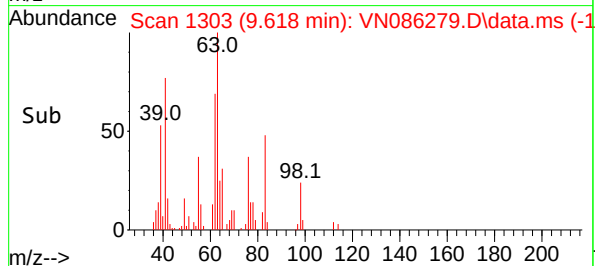
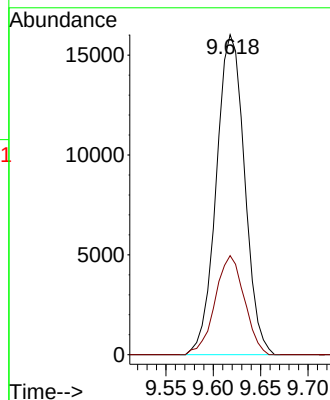
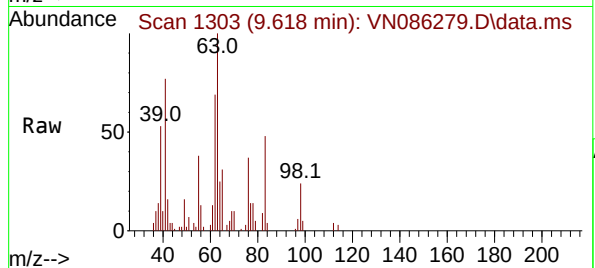
65 30.9 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#46

Dibromomethane

Concen: 9.519 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

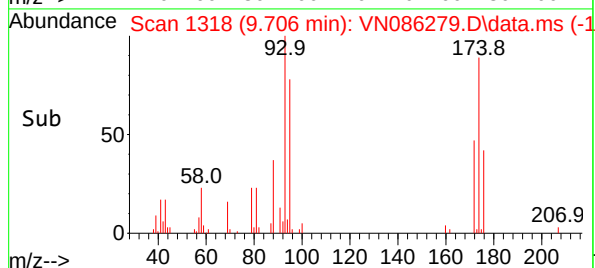
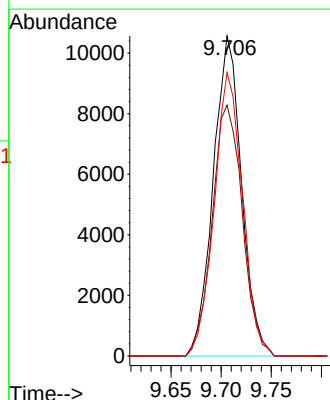
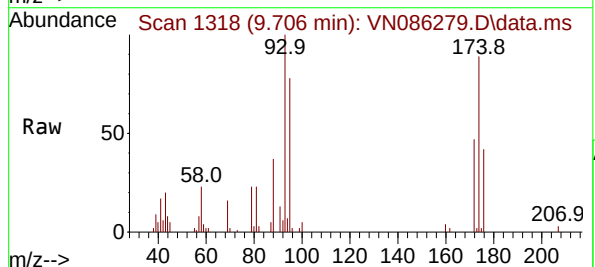
Tgt Ion: 93 Resp: 20677

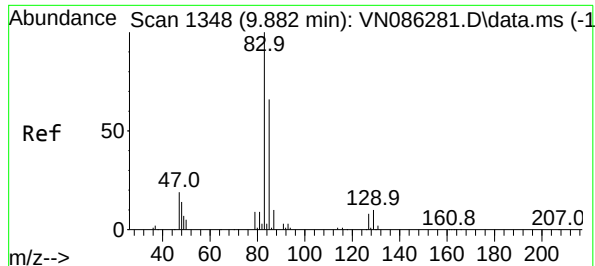
Ion Ratio Lower Upper

93 100

95 83.9 66.2 99.4

174 89.0 67.8 101.6





#47

Bromodichloromethane

Concen: 9.543 ug/l

RT: 9.882 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

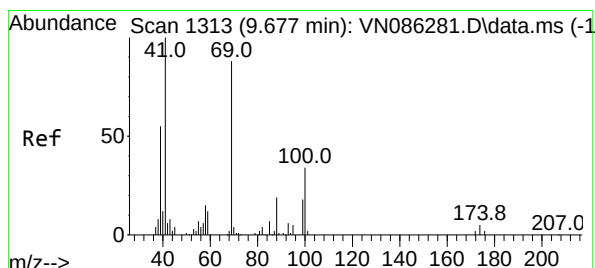
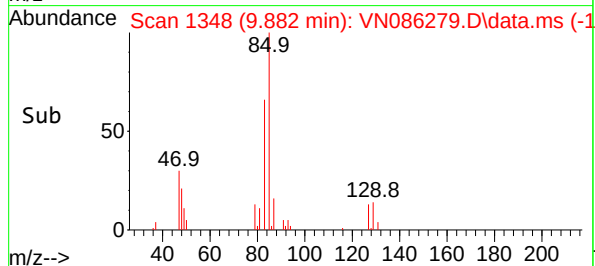
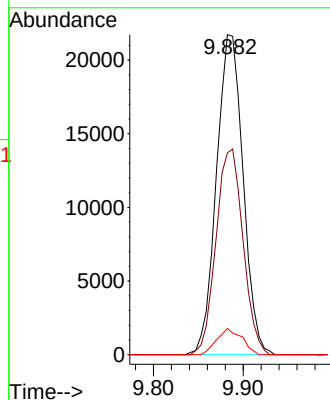
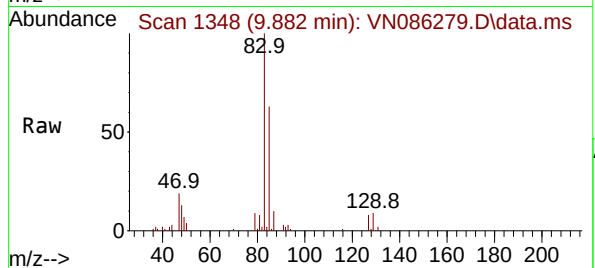
Tgt Ion:	83	Resp:	4477
Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.6	78.8
127	8.2	6.1	9.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#48

Methyl methacrylate

Concen: 9.430 ug/l

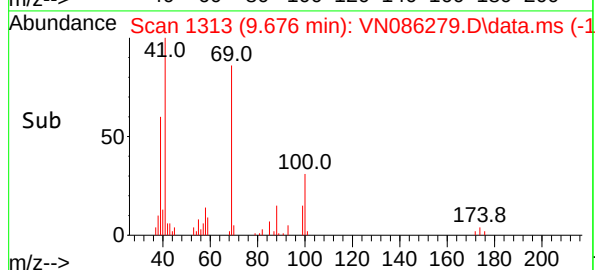
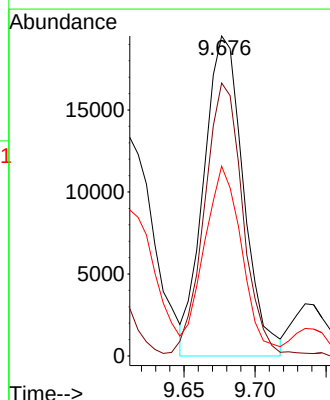
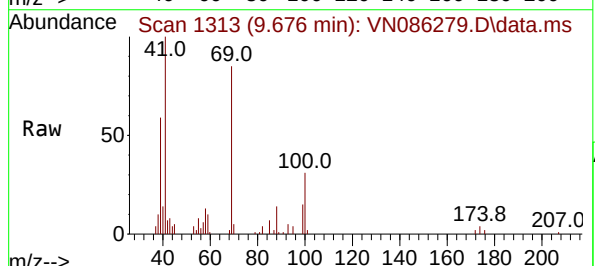
RT: 9.676 min Scan# 1313

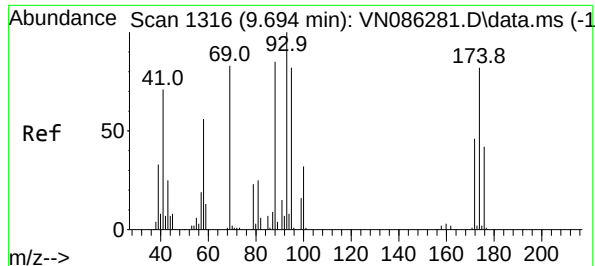
Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Tgt Ion:	41	Resp:	37900
Ion	Ratio	Lower	Upper
41	100		
69	83.3	68.2	102.2
39	57.1	45.2	67.8





#49

1,4-Dioxane

Concen: 193.063 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.006 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 88 Resp: 13198

Ion Ratio Lower Upper

88 100

43 29.4 23.8 35.8

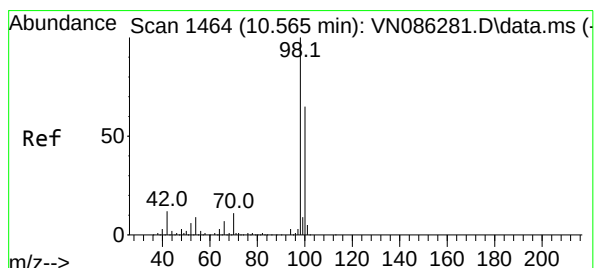
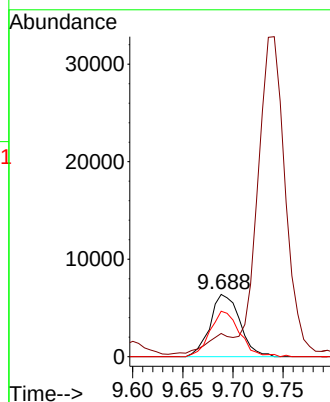
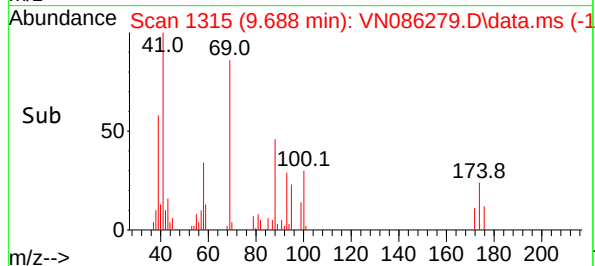
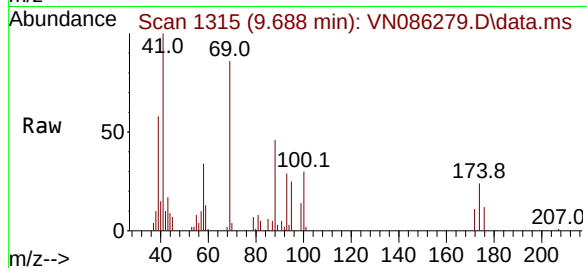
58 73.0 57.4 86.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#50

Toluene-d8

Concen: 10.327 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086279.D

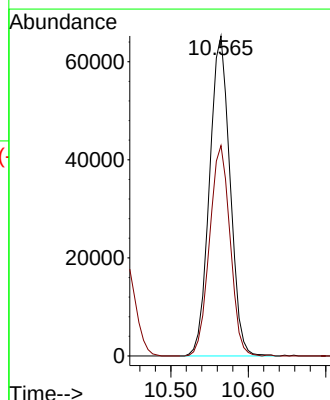
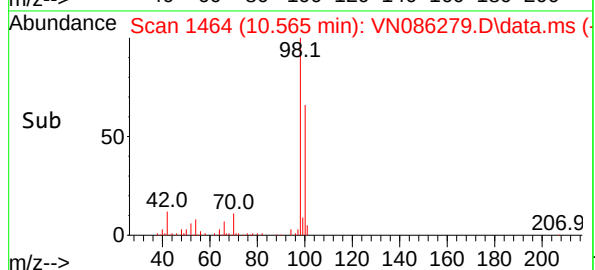
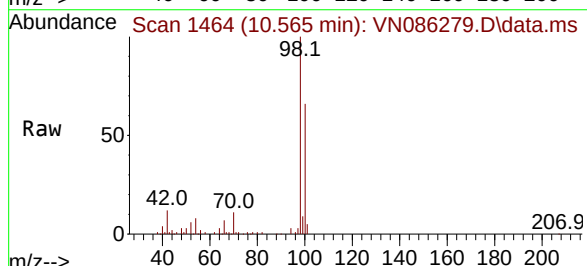
Acq: 15 Apr 2025 12:45

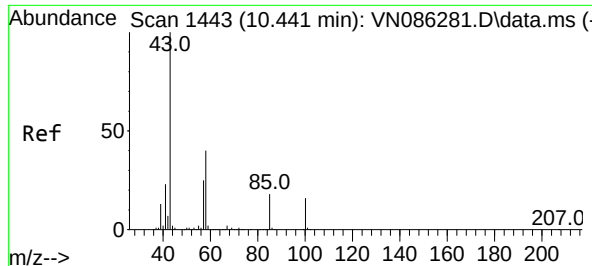
Tgt Ion: 98 Resp: 120121

Ion Ratio Lower Upper

98 100

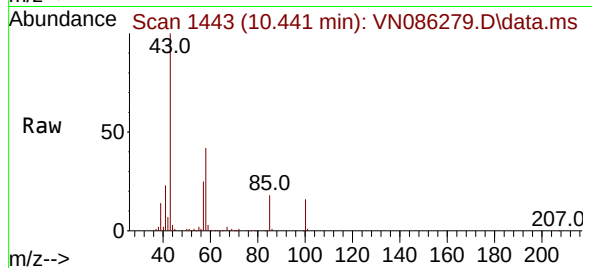
100 65.7 52.5 78.7





#51
4-Methyl-2-Pentanone
Concen: 47.916 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

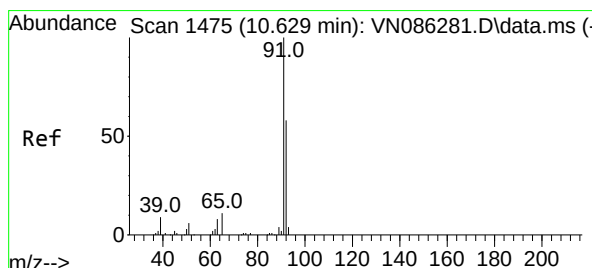
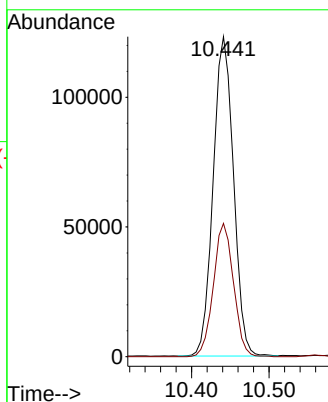
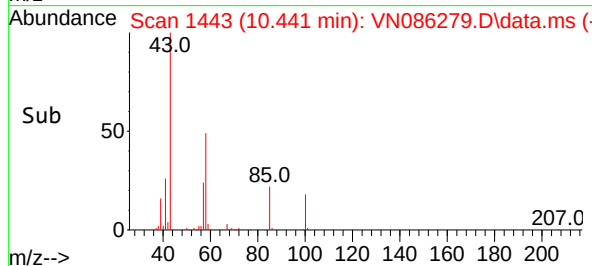
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion: 43 Resp: 224548
Ion Ratio Lower Upper
43 100
58 41.3 32.2 48.4

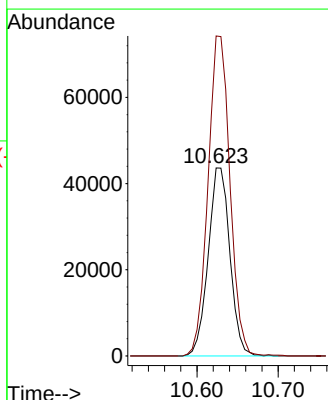
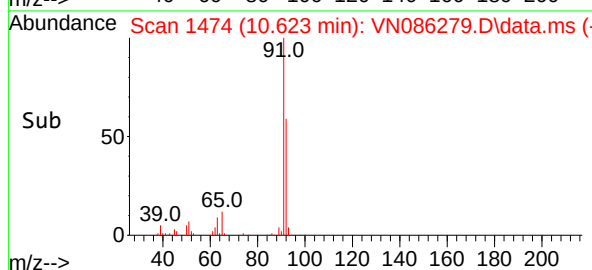
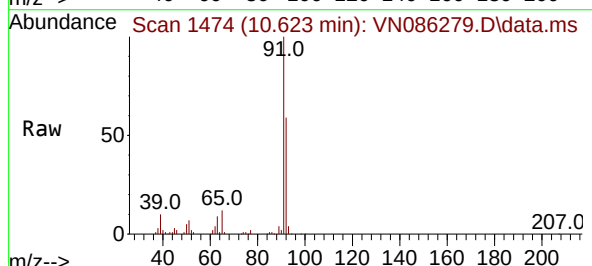
Manual Integrations
APPROVED

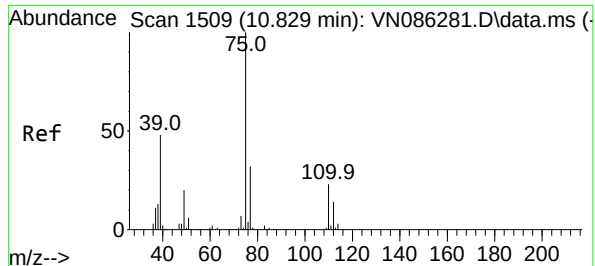
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#52
Toluene
Concen: 9.330 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

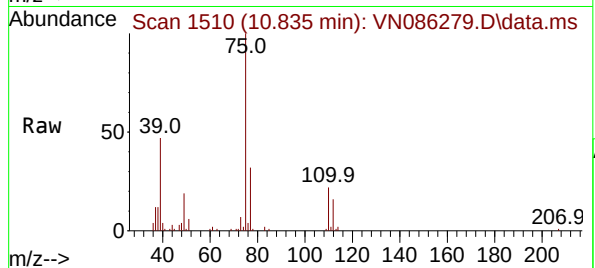
Tgt Ion: 92 Resp: 81084
Ion Ratio Lower Upper
92 100
91 172.3 137.3 205.9





#53
t-1,3-Dichloropropene
Concen: 9.454 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.006 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

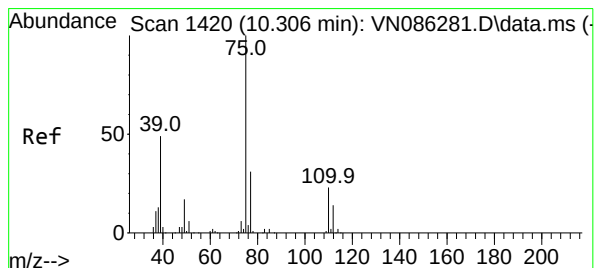
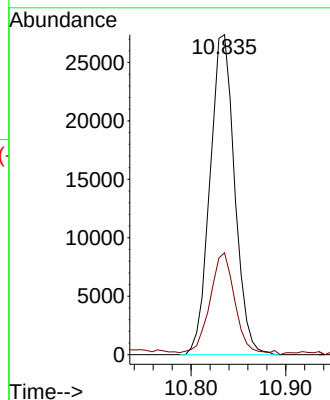
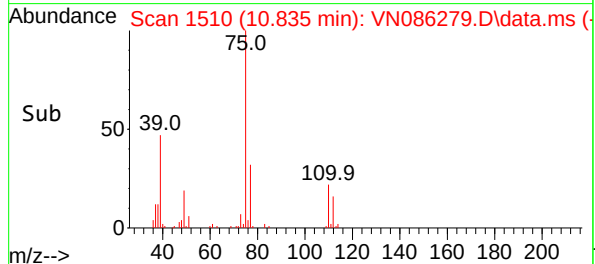
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion: 75 Resp: 49510
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0

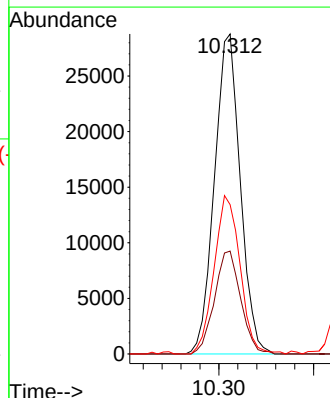
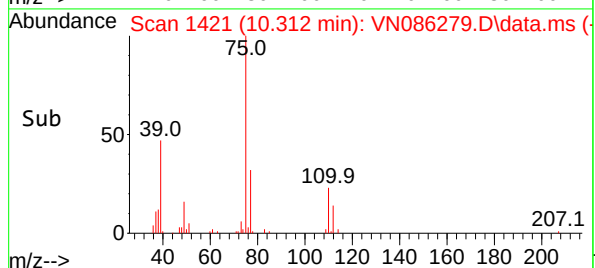
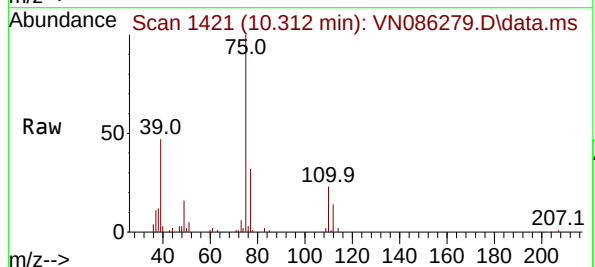
Manual Integrations
APPROVED

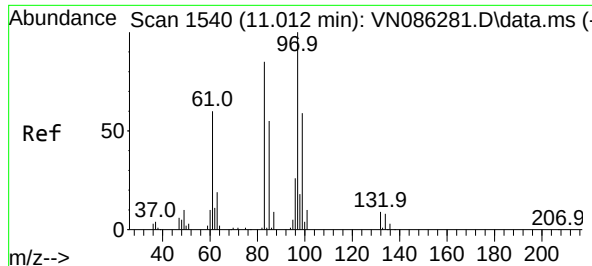
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#54
cis-1,3-Dichloropropene
Concen: 9.459 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

Tgt Ion: 75 Resp: 54411
Ion Ratio Lower Upper
75 100
77 32.1 25.2 37.8
39 46.6 39.3 58.9





#55

1,1,2-Trichloroethane

Concen: 9.439 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 97 Resp: 2951

Ion Ratio Lower Upper

97 100

83 88.4 68.4 102.6

85 61.6 43.9 65.9

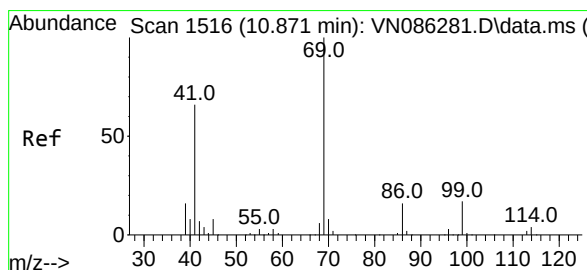
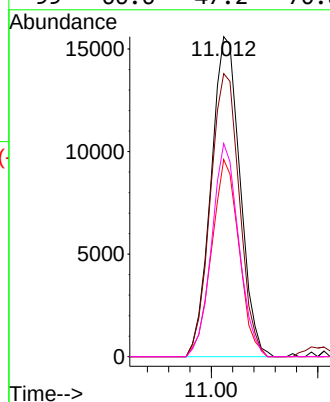
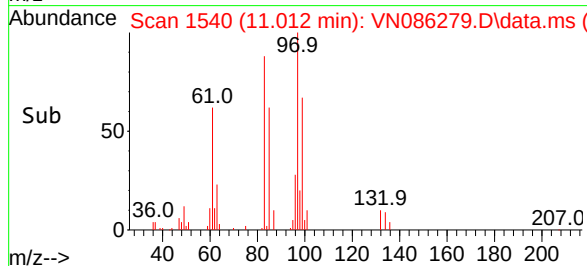
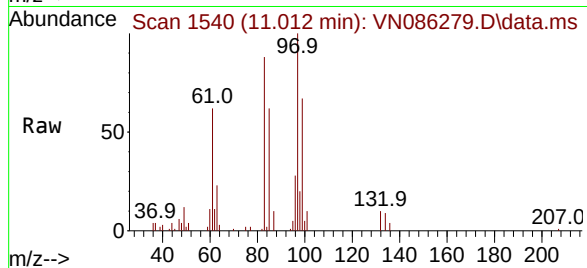
99 66.6 47.2 70.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#56

Ethyl methacrylate

Concen: 9.431 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

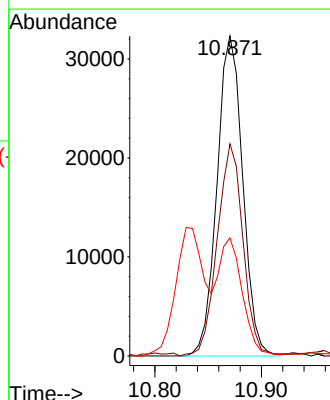
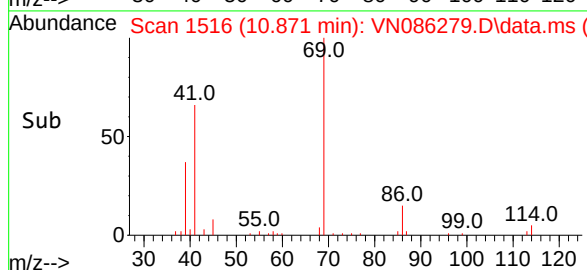
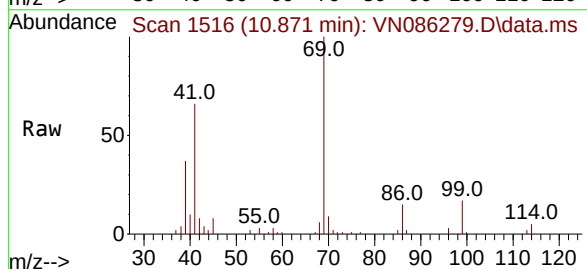
Tgt Ion: 69 Resp: 54203

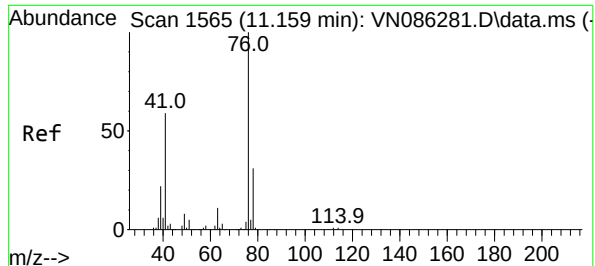
Ion Ratio Lower Upper

69 100

41 66.4 51.7 77.5

39 34.5 26.3 39.5





#57

1,3-Dichloropropane

Concen: 9.581 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 76 Resp: 5315

Ion Ratio Lower Upper

76 100

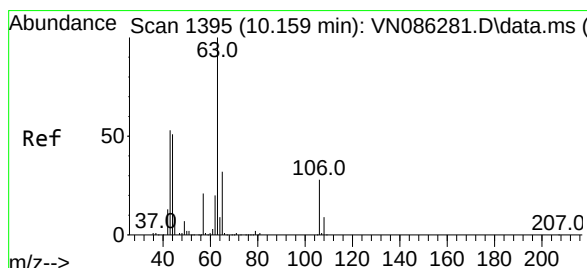
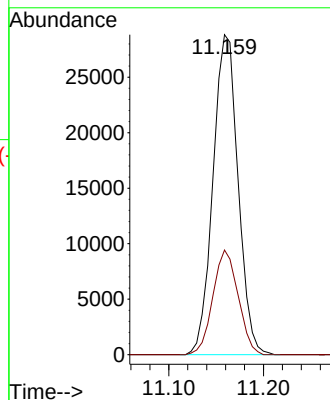
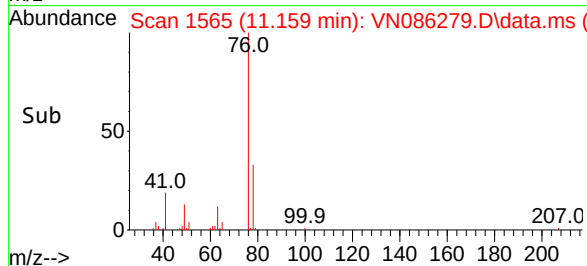
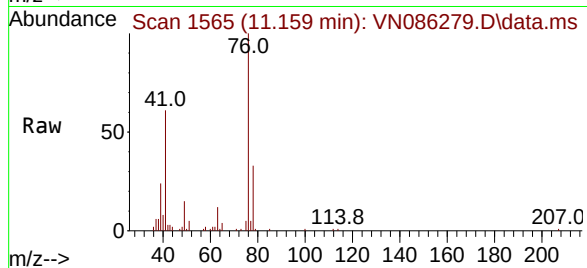
78 32.8 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#58

2-Chloroethyl Vinyl ether

Concen: 41.526 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN086279.D

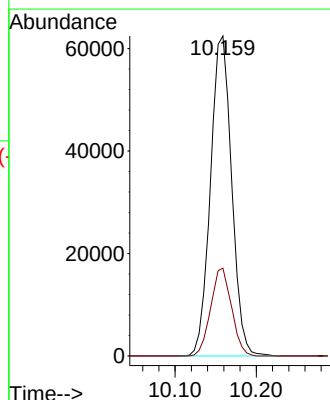
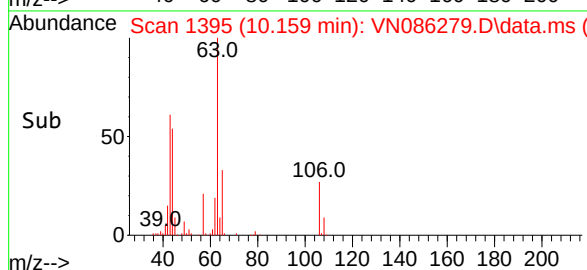
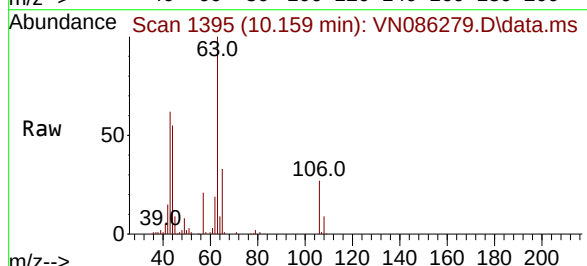
Acq: 15 Apr 2025 12:45

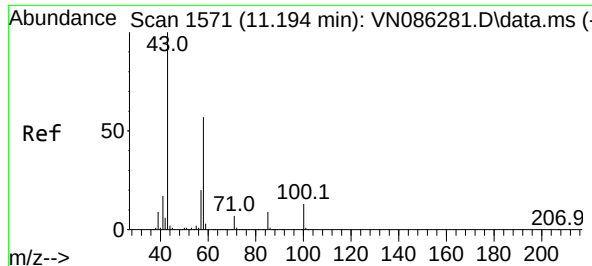
Tgt Ion: 63 Resp: 113279

Ion Ratio Lower Upper

63 100

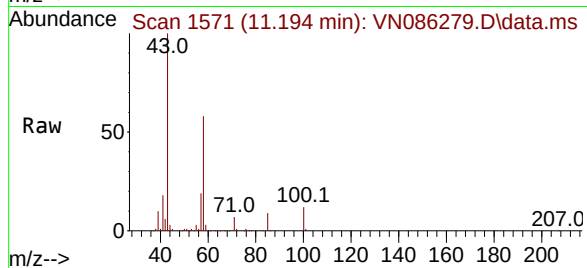
106 26.9 22.2 33.2





#59
2-Hexanone
Concen: 47.941 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

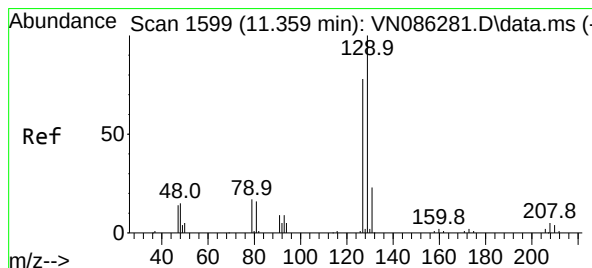
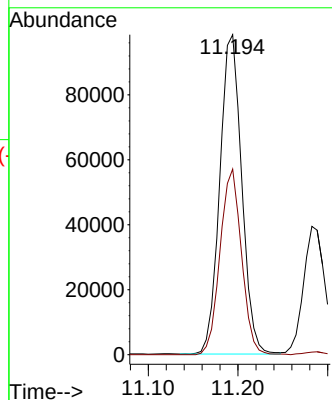
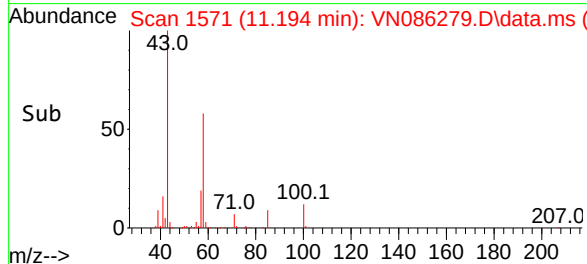
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion: 43 Resp: 16664
Ion Ratio Lower Upper
43 100
58 56.8 28.3 85.0

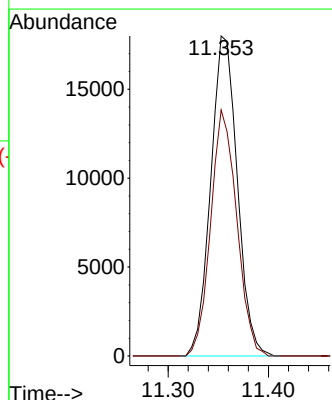
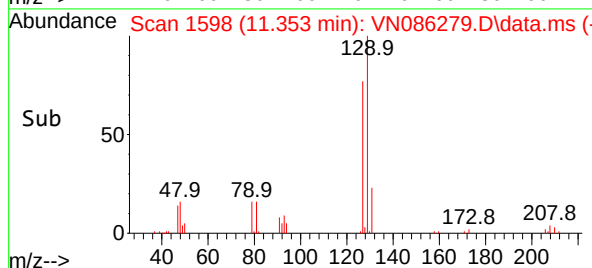
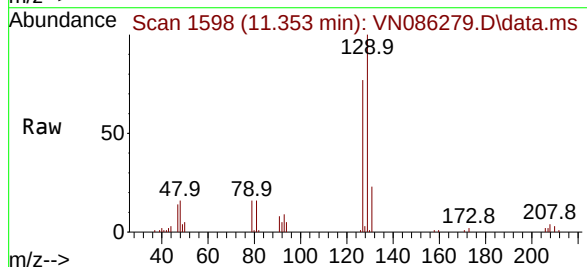
Manual Integrations
APPROVED

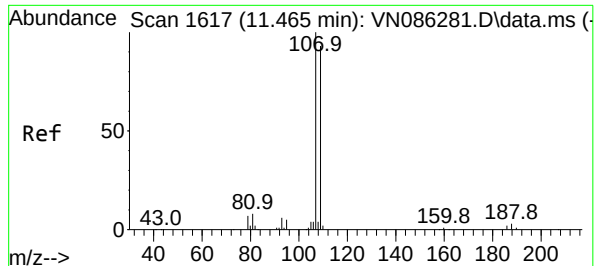
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#60
Dibromochloromethane
Concen: 9.668 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

Tgt Ion:129 Resp: 33195
Ion Ratio Lower Upper
129 100
127 75.2 38.7 116.1





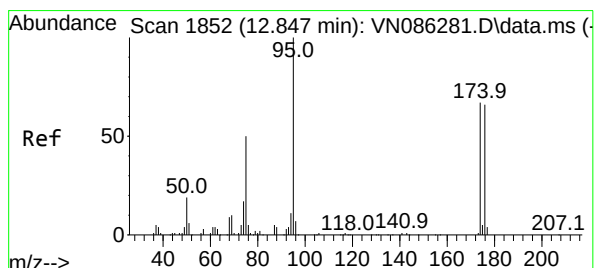
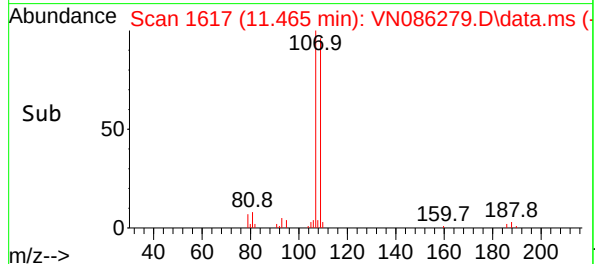
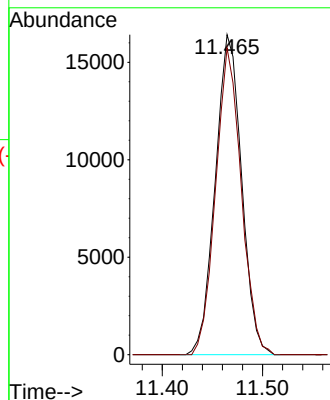
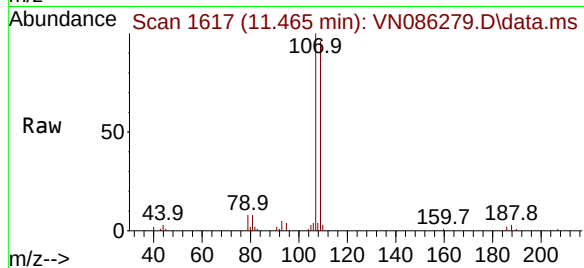
#61
1,2-Dibromoethane
Concen: 9.473 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 29880
Ion Ratio Lower Upper
107 100
109 93.3 75.4 113.0

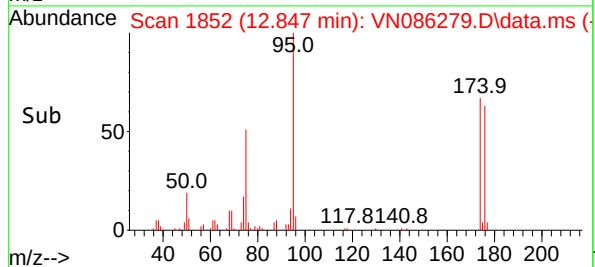
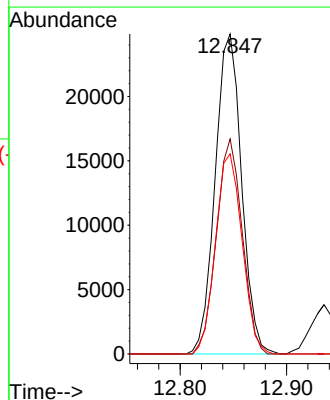
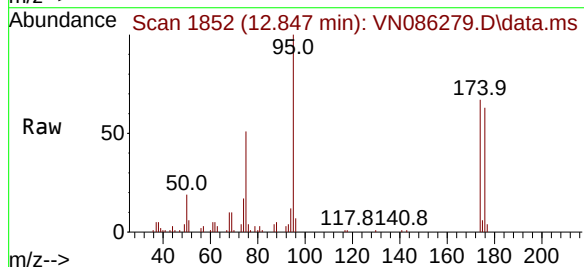
Manual Integrations
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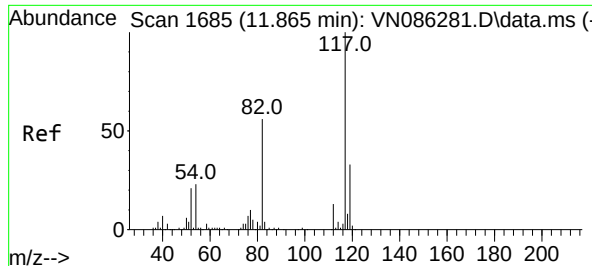
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#62
4-Bromofluorobenzene
Concen: 10.086 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

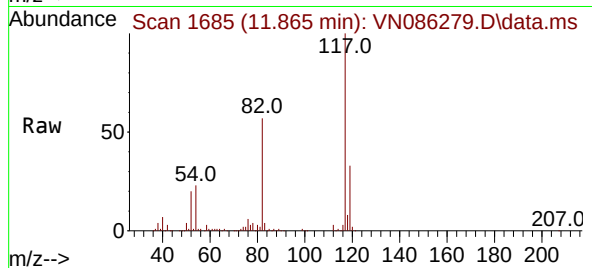
Tgt Ion: 95 Resp: 42791
Ion Ratio Lower Upper
95 100
174 65.7 0.0 133.4
176 63.0 0.0 129.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

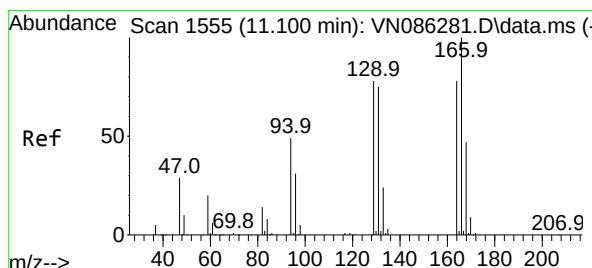
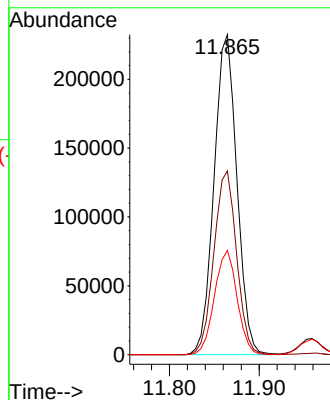
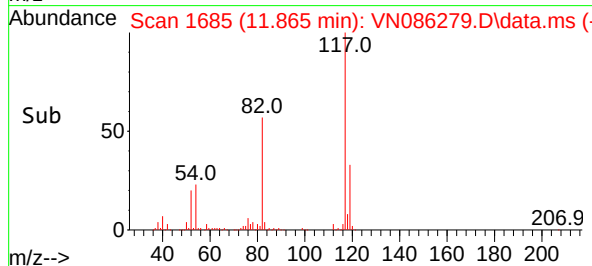
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion:117 Resp: 411009
Ion Ratio Lower Upper
117 100
82 57.4 44.7 67.1
119 32.6 26.4 39.6

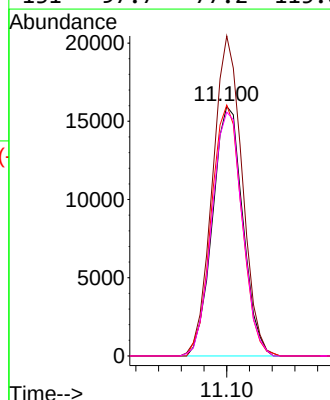
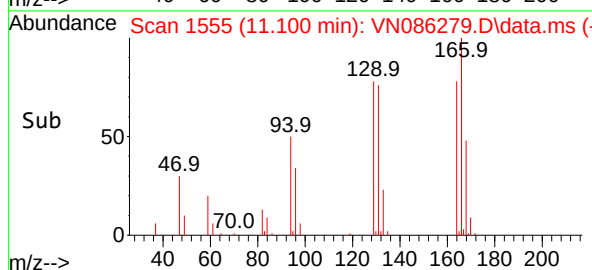
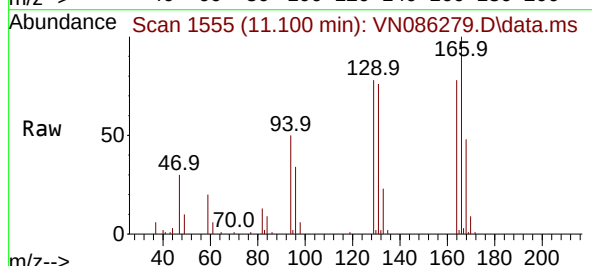
Manual Integrations
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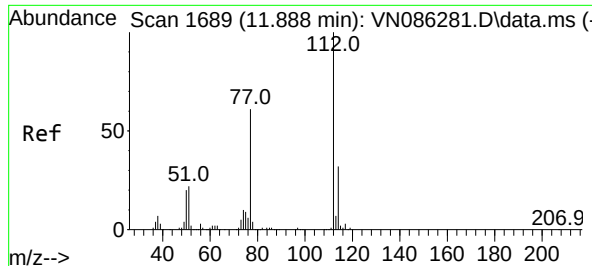
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#64
Tetrachloroethene
Concen: 9.321 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

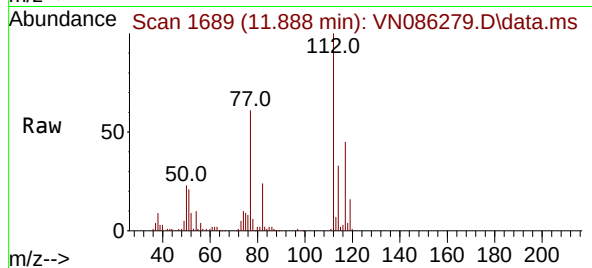
Tgt Ion:164 Resp: 29467
Ion Ratio Lower Upper
164 100
166 128.2 103.0 154.4
129 100.5 80.1 120.1
131 97.7 77.2 115.8





#65
Chlorobenzene
Concen: 9.485 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

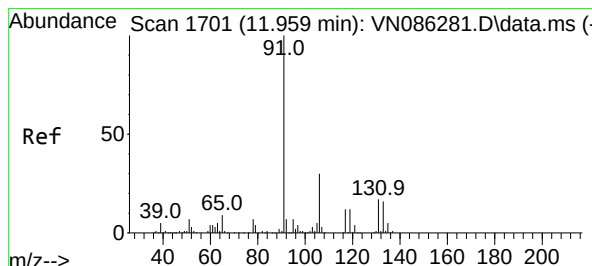
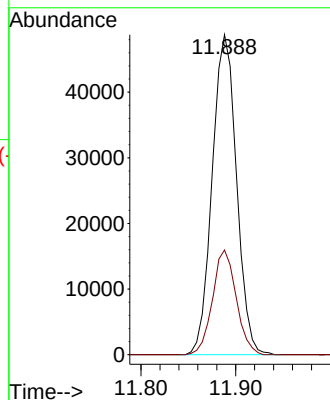
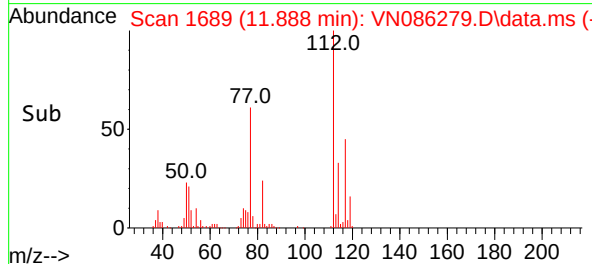
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion:112 Resp: 8699
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.0

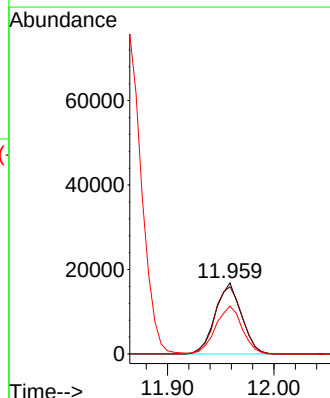
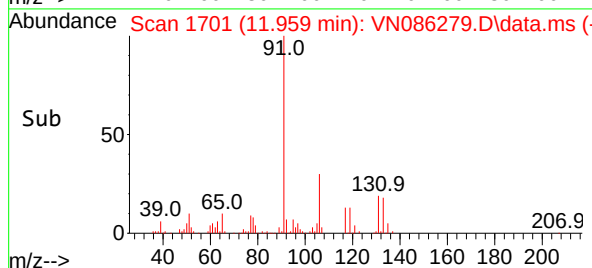
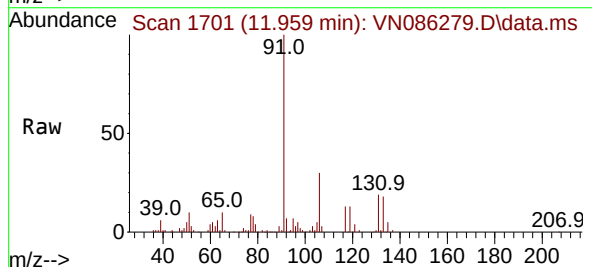
Manual Integrations
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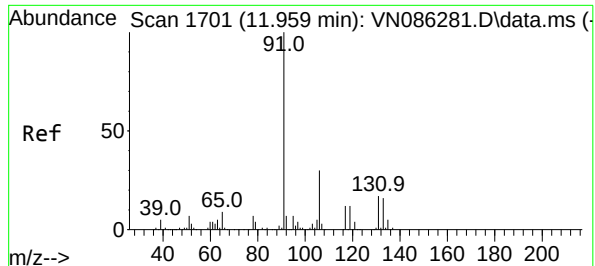
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 9.471 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

Tgt Ion:131 Resp: 28657
Ion Ratio Lower Upper
131 100
133 99.0 47.1 141.3
119 68.3 33.8 101.4





#67

Ethyl Benzene

Concen: 9.300 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 91 Resp: 153929

Ion Ratio Lower Upper

91 100

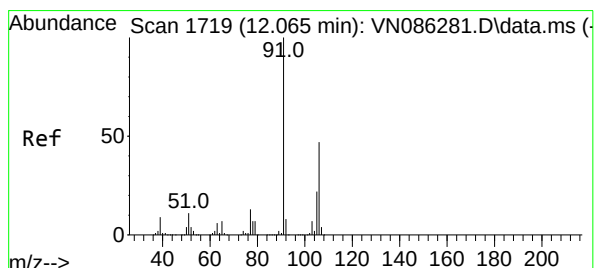
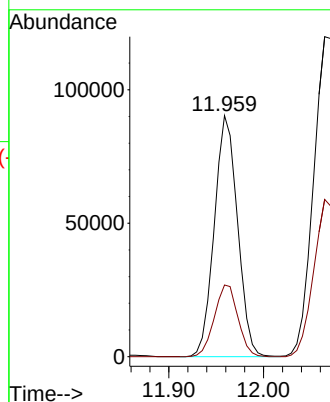
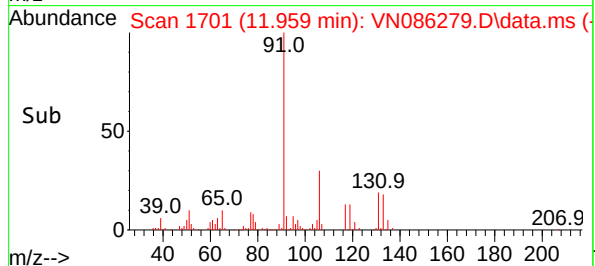
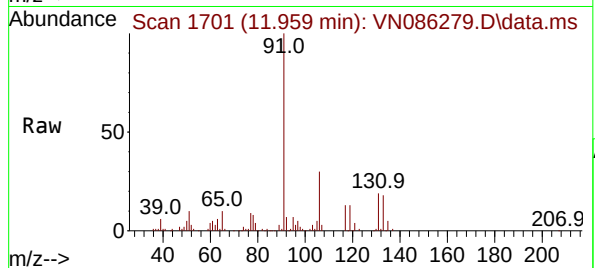
106 29.7 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#68

m/p-Xylenes

Concen: 18.692 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.000 min

Lab File: VN086279.D

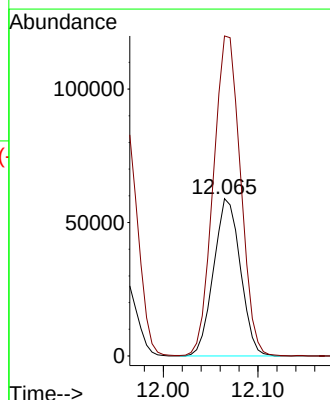
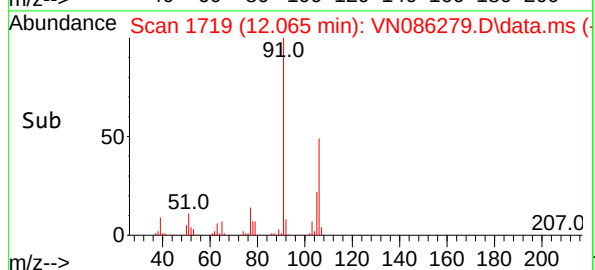
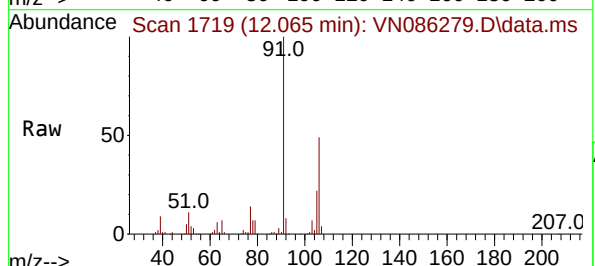
Acq: 15 Apr 2025 12:45

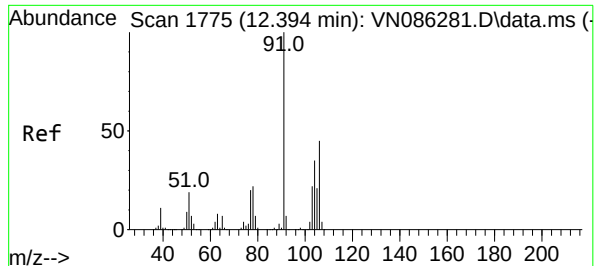
Tgt Ion:106 Resp: 115926

Ion Ratio Lower Upper

106 100

91 206.8 166.5 249.7





#69

o-Xylene

Concen: 9.508 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion:106 Resp: 58314

Ion Ratio Lower Upper

106 100

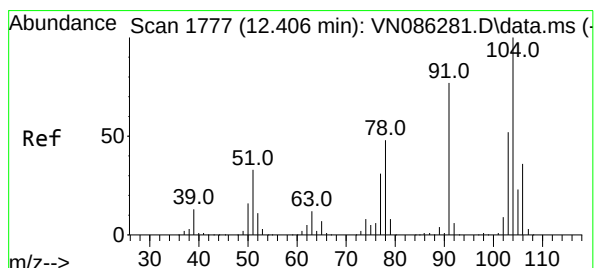
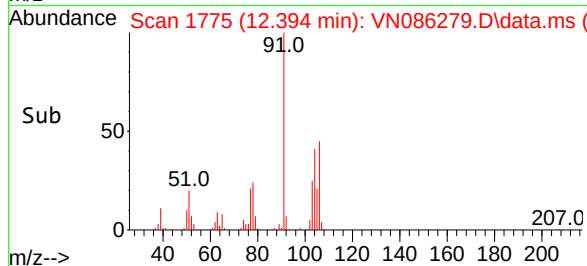
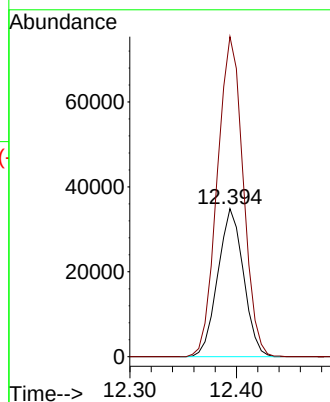
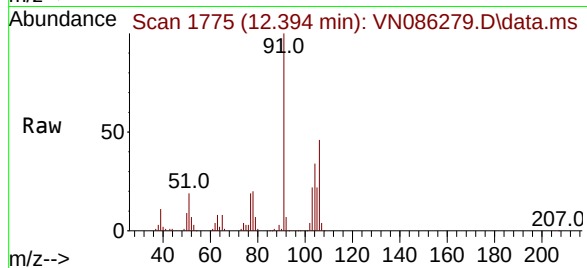
91 218.3 109.7 329.0

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APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#70

Styrene

Concen: 9.301 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

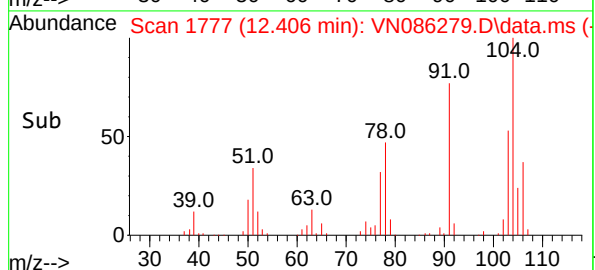
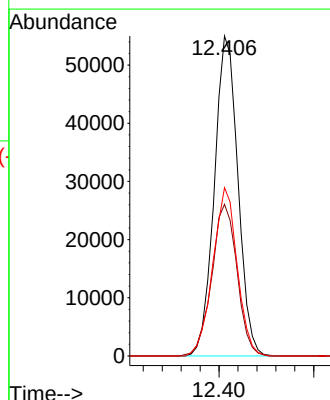
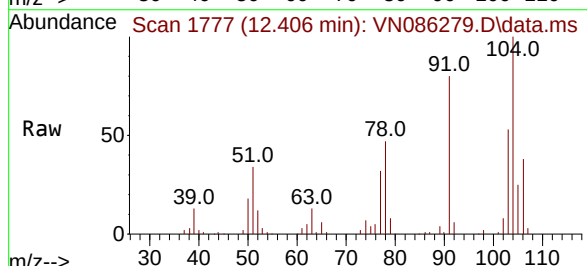
Tgt Ion:104 Resp: 95045

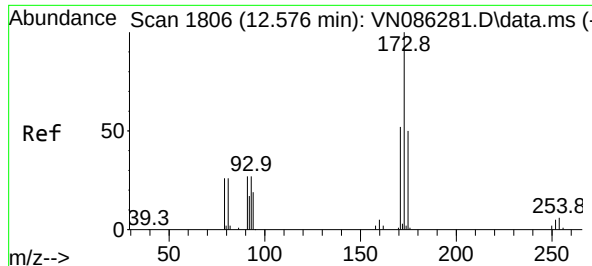
Ion Ratio Lower Upper

104 100

78 50.8 40.6 61.0

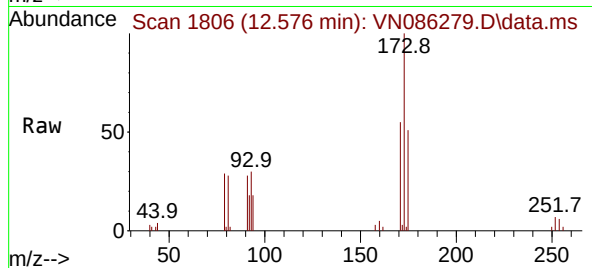
103 54.2 43.6 65.4





#71
Bromoform
Concen: 9.323 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

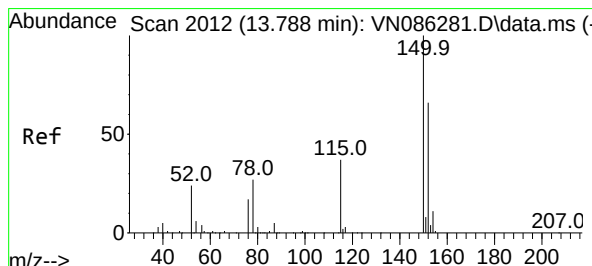
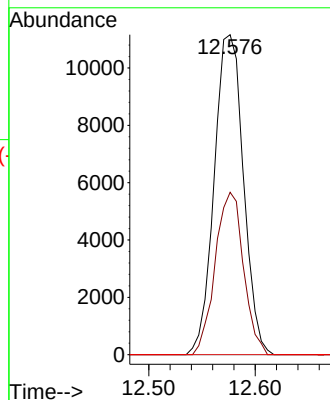
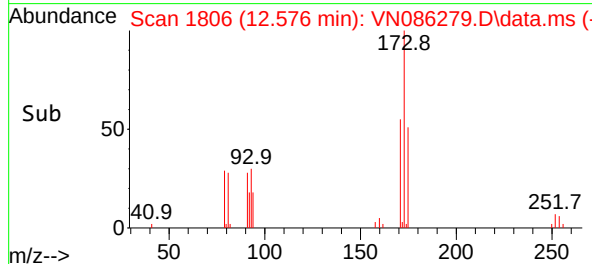
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



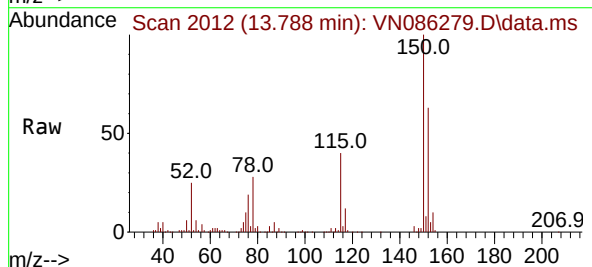
Tgt Ion:173 Resp: 21240
Ion Ratio Lower Upper
173 100
175 49.2 24.6 73.6
254 0.0 0.0 0.0

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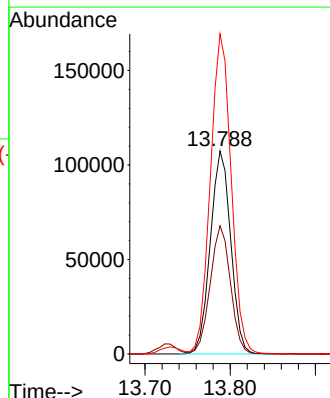
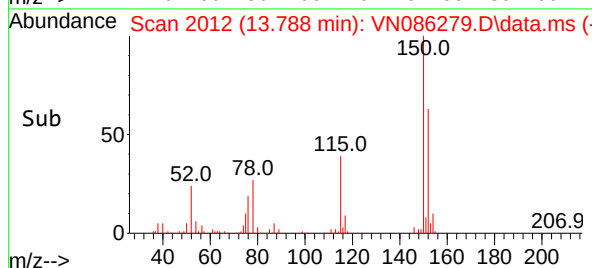
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

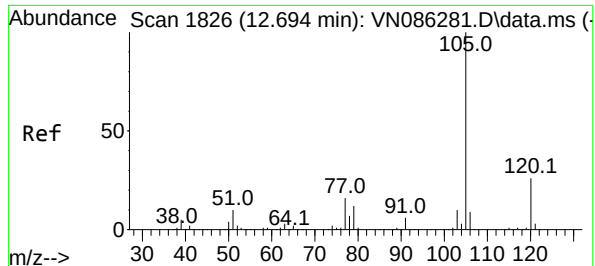


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45



Tgt Ion:152 Resp: 178484
Ion Ratio Lower Upper
152 100
115 62.7 31.9 95.9
150 160.9 0.0 352.0





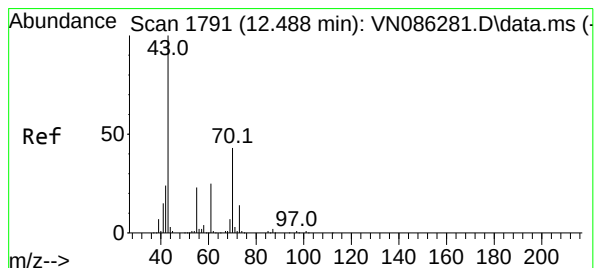
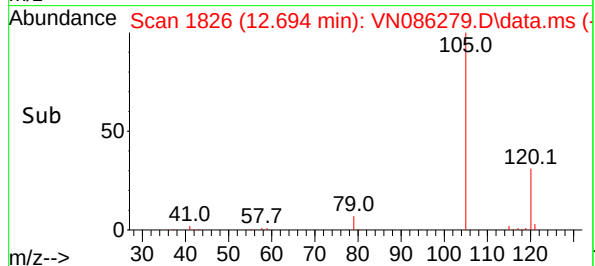
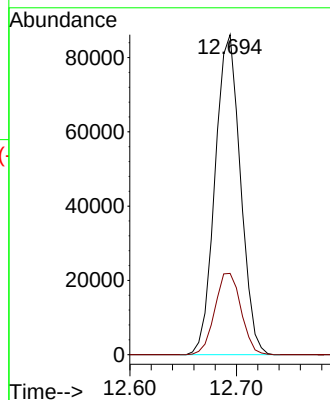
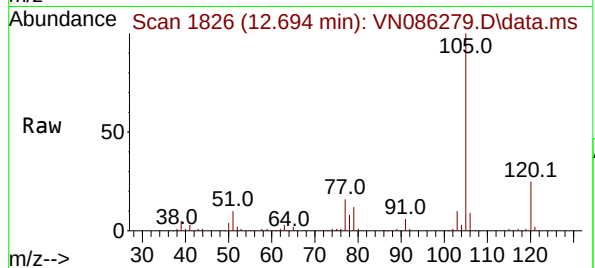
#73
Isopropylbenzene
Concen: 9.757 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 14246
Ion Ratio Lower Upper
105 100
120 26.2 13.1 39.3

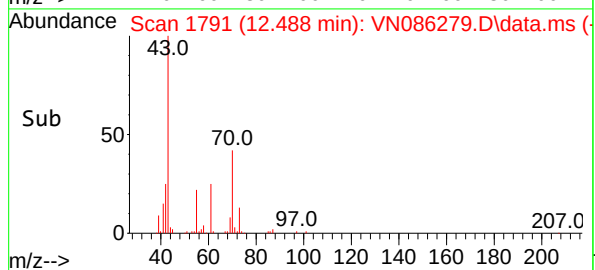
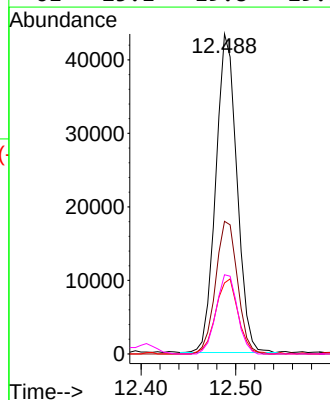
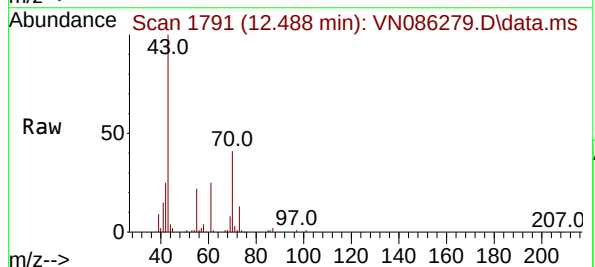
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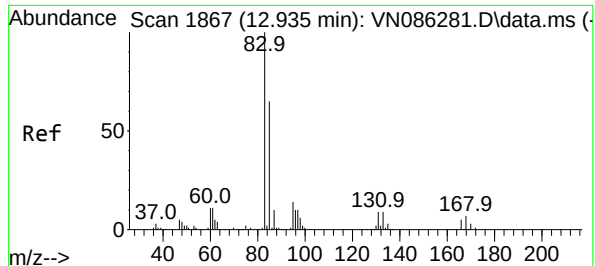
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#74
N-ethyl acetate
Concen: 9.228 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

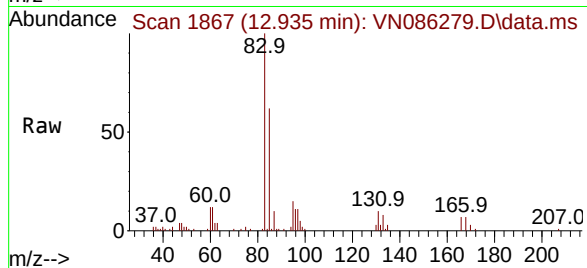
Tgt Ion: 43 Resp: 67074
Ion Ratio Lower Upper
43 100
70 43.2 35.0 52.4
55 25.2 19.0 28.4
61 25.1 19.8 29.8





#75
1,1,2,2-Tetrachloroethane
Concen: 10.045 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

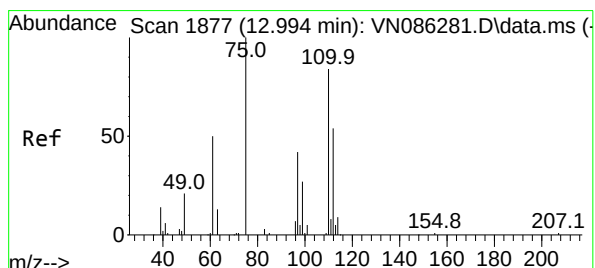
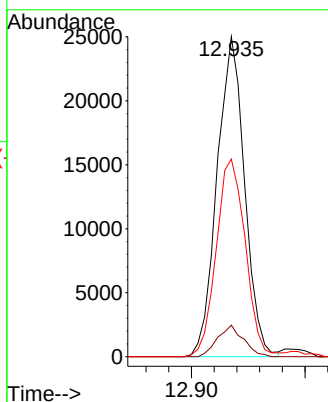
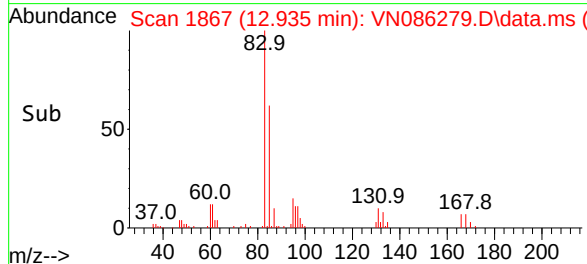
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion: 83 Resp: 4216
Ion Ratio Lower Upper
83 100
131 9.3 4.7 14.1
85 65.2 32.7 98.1

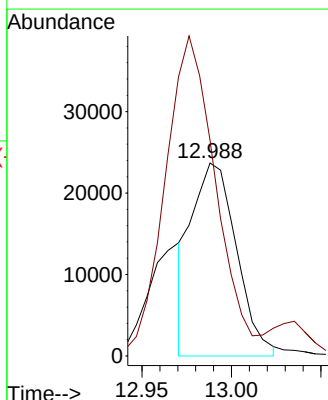
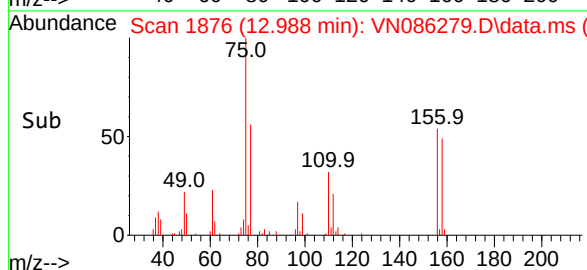
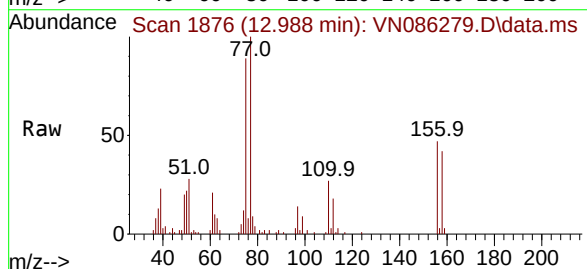
Manual Integrations
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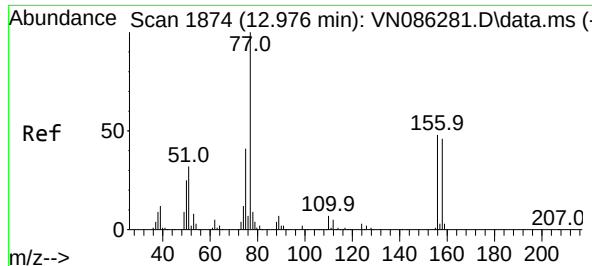
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#76
1,2,3-Trichloropropane
Concen: 9.813 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

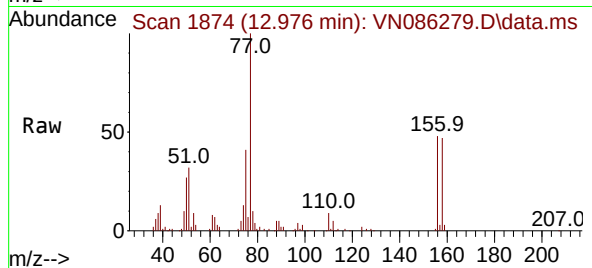
Tgt Ion: 75 Resp: 41148
Ion Ratio Lower Upper
75 100
77 189.0 98.8 296.4





#77
Bromobenzene
Concen: 9.986 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

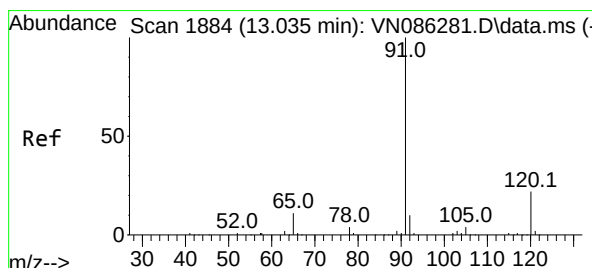
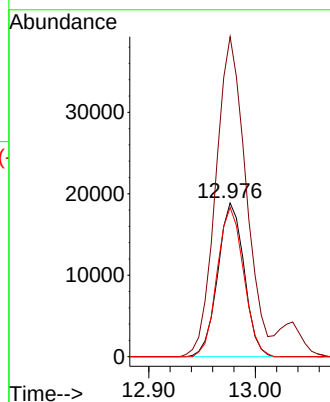
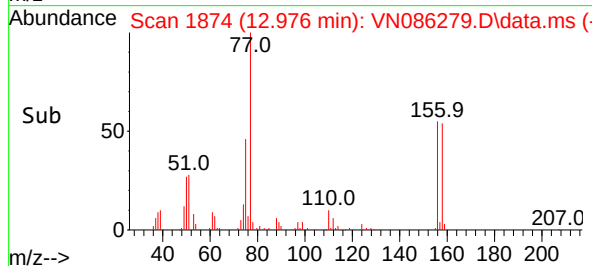
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



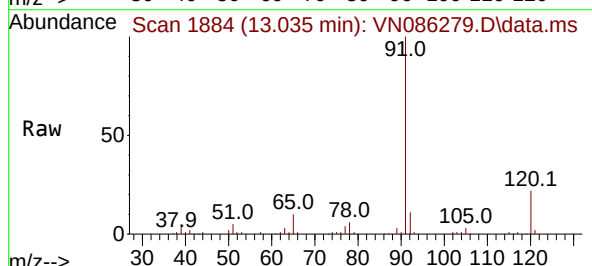
Tgt Ion:156 Resp: 3230
Ion Ratio Lower Upper
156 100
77 240.7 121.1 363.1
158 97.8 47.9 143.6

Manual Integrations
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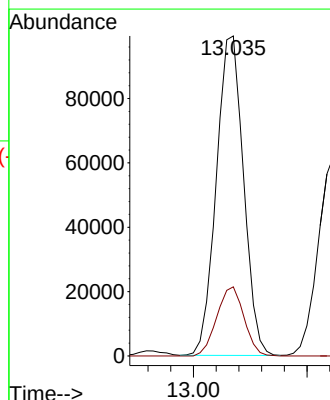
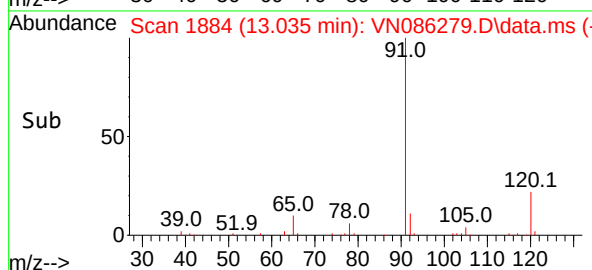
Reviewed By :John Carbone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

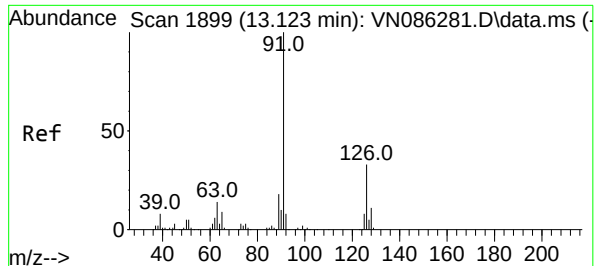


#78
n-propylbenzene
Concen: 9.605 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45



Tgt Ion: 91 Resp: 165250
Ion Ratio Lower Upper
91 100
120 21.6 11.1 33.3





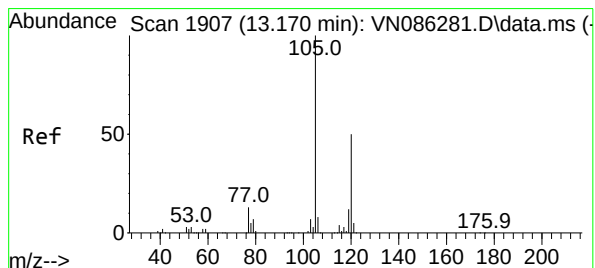
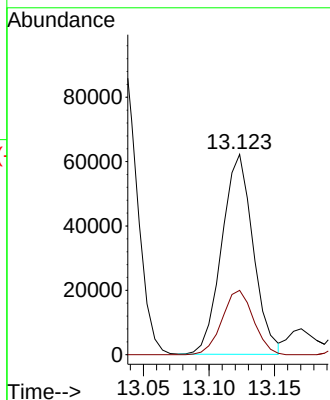
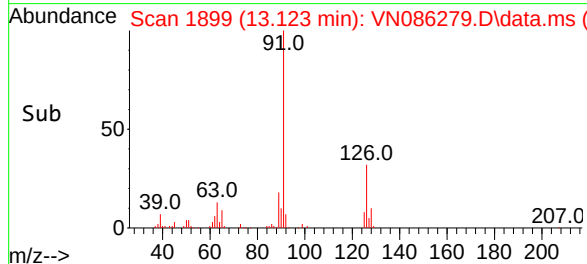
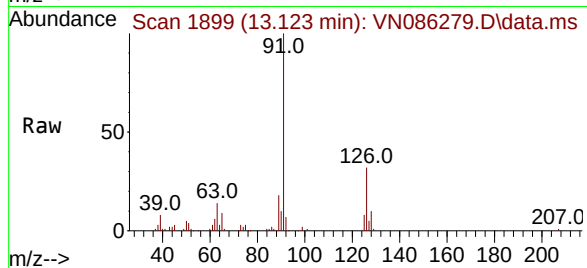
#79
2-Chlorotoluene
Concen: 9.641 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 103789
Ion Ratio Lower Upper
91 100
126 32.0 16.1 48.2

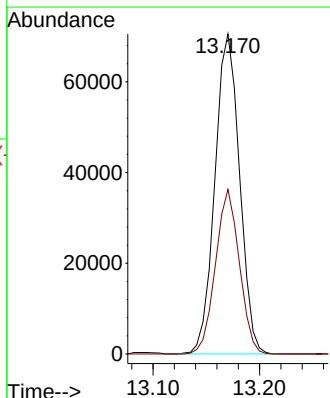
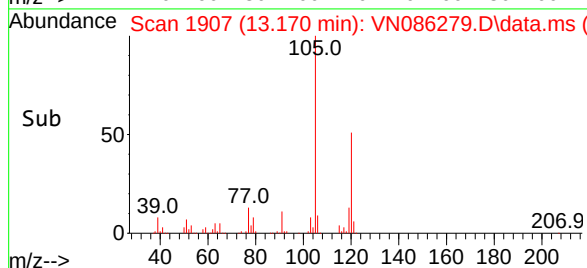
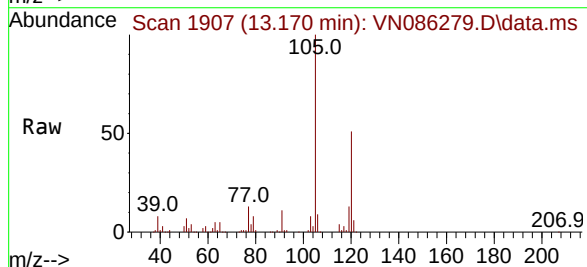
Manual Integrations
APPROVED

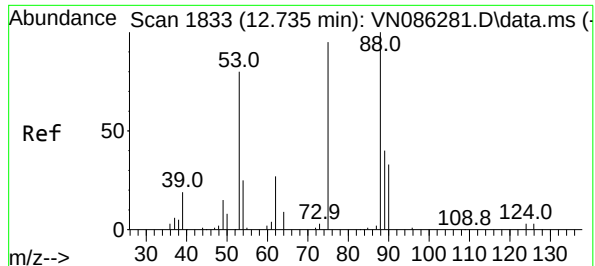
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#80
1,3,5-Trimethylbenzene
Concen: 9.494 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

Tgt Ion:105 Resp: 113458
Ion Ratio Lower Upper
105 100
120 49.6 24.5 73.5





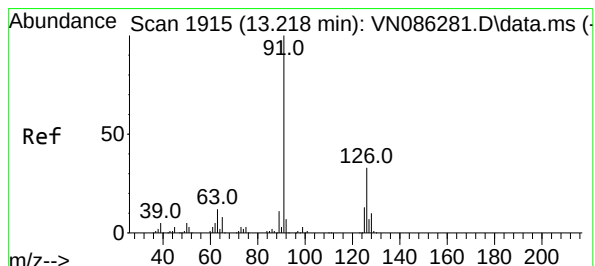
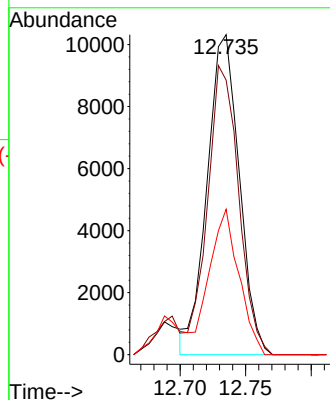
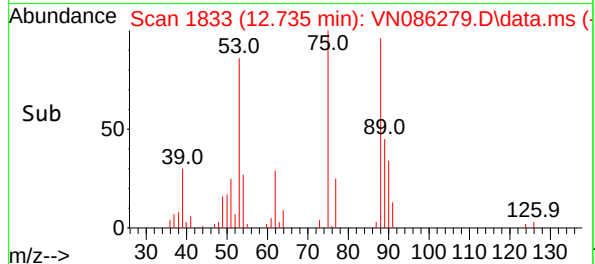
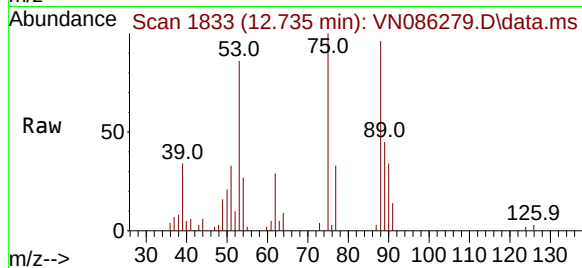
#81
trans-1,4-Dichloro-2-butene
Concen: 10.033 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:	75	Resp:	1759
Ion	Ratio	Lower	Upper
75	100		
53	88.4	79.2	118.8
89	42.3	35.7	53.5

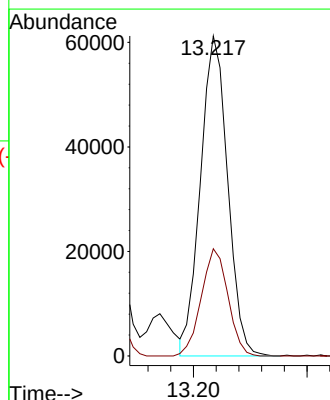
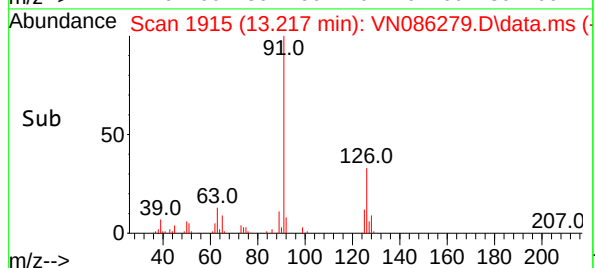
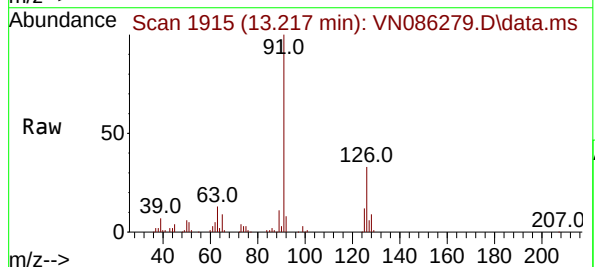
Manual Integrations
APPROVED

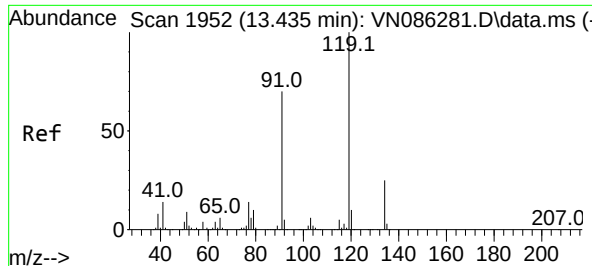
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#82
4-Chlorotoluene
Concen: 9.518 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

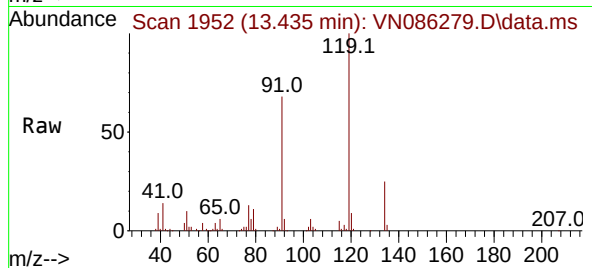
Tgt Ion:	91	Resp:	101784
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.2	48.6





#83
tert-Butylbenzene
Concen: 9.636 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

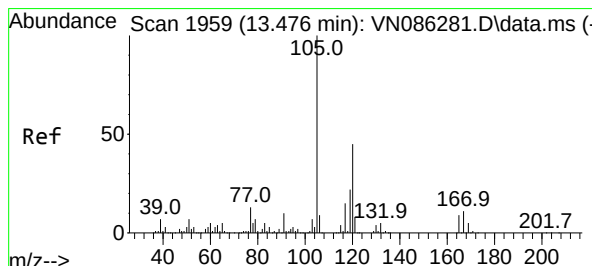
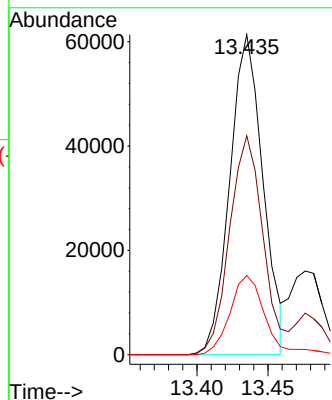
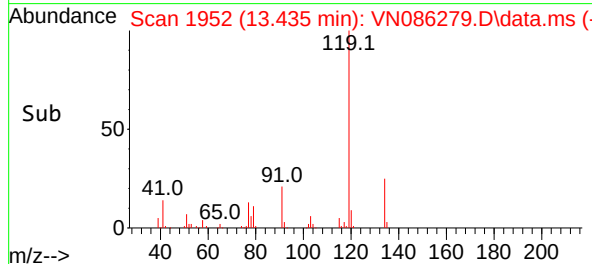
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



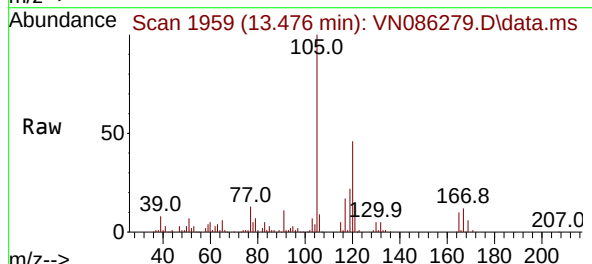
Tgt Ion:119 Resp: 99779
Ion Ratio Lower Upper
119 100
91 69.4 34.4 103.3
134 26.2 13.0 39.0

Manual Integrations
APPROVED

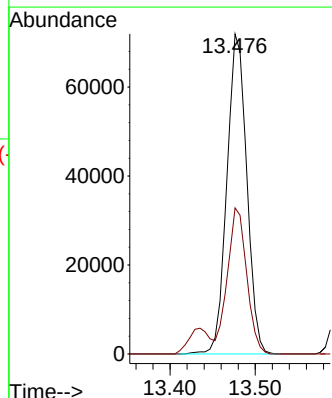
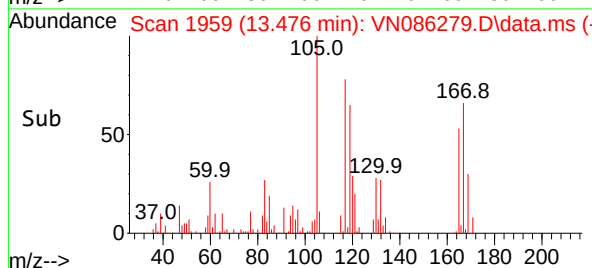
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

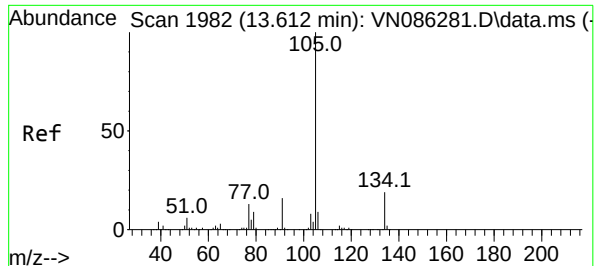


#84
1,2,4-Trimethylbenzene
Concen: 9.573 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45



Tgt Ion:105 Resp: 116448
Ion Ratio Lower Upper
105 100
120 44.2 22.4 67.3





#85

sec-Butylbenzene

Concen: 9.686 ug/l

RT: 13.612 min Scan# 1982

Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion:105 Resp: 139108

Ion Ratio Lower Upper

105 100

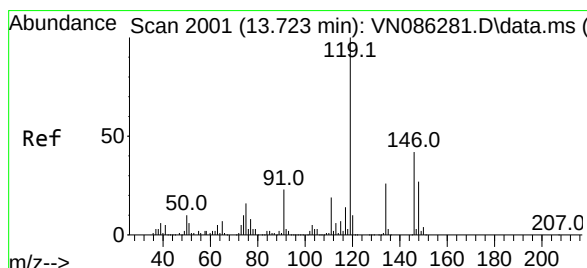
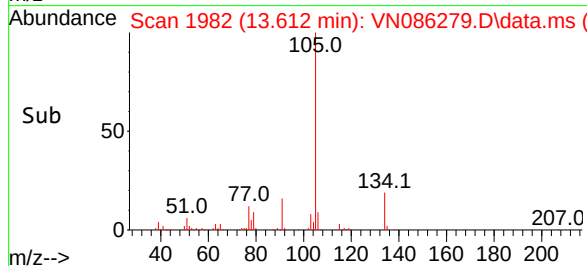
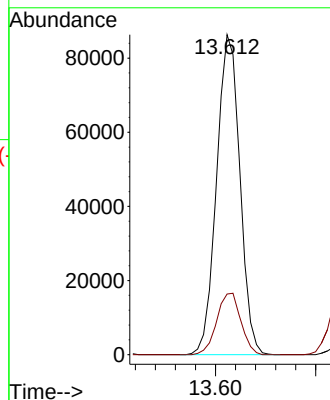
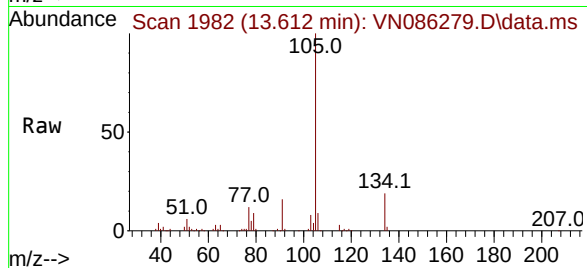
134 19.9 9.7 29.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#86

p-Isopropyltoluene

Concen: 9.572 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

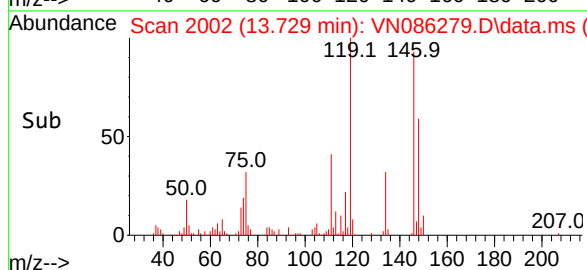
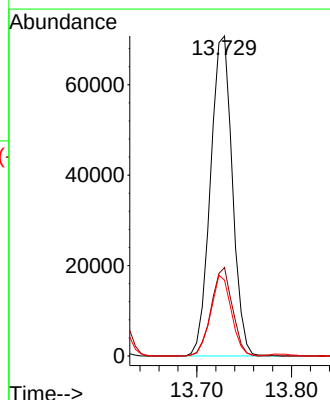
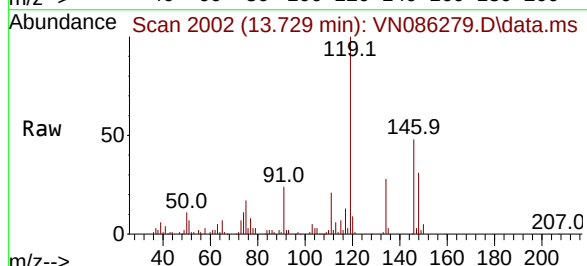
Tgt Ion:119 Resp: 113316

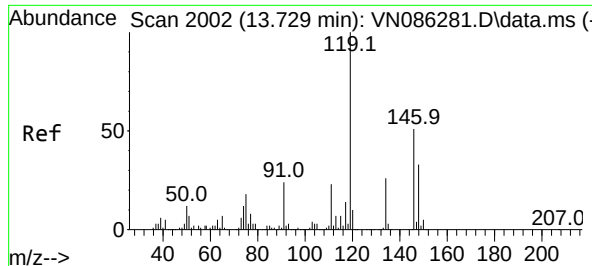
Ion Ratio Lower Upper

119 100

134 26.8 13.1 39.1

91 24.0 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 9.497 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

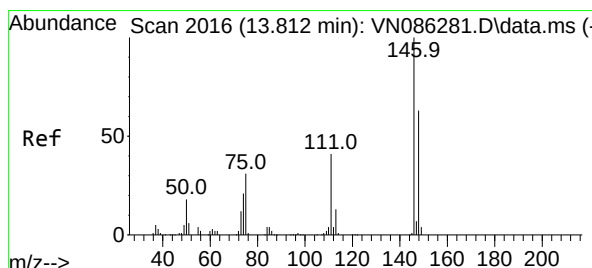
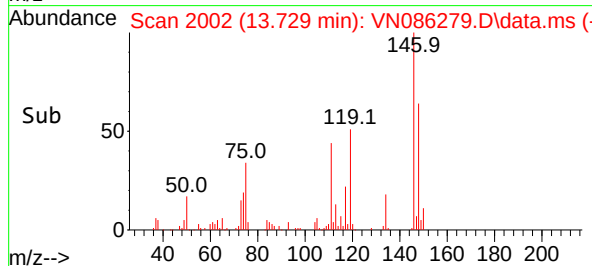
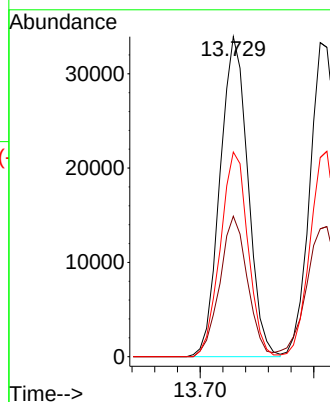
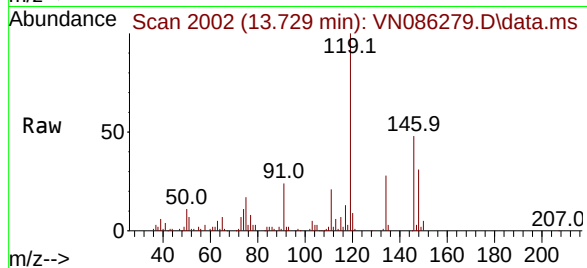
Tgt Ion:	146	Resp:	5775
Ion Ratio	Lower	Upper	
146	100		
111	43.6	21.9	65.7
148	63.5	31.9	95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#88

1,4-Dichlorobenzene

Concen: 9.412 ug/l

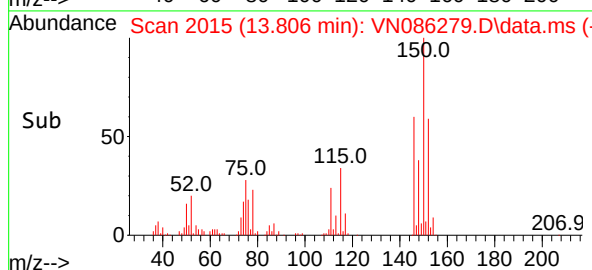
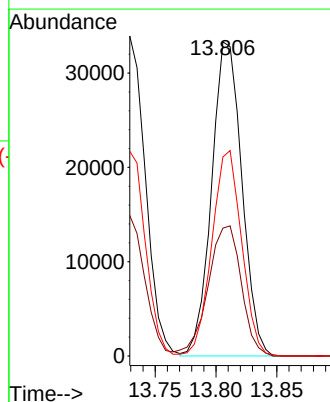
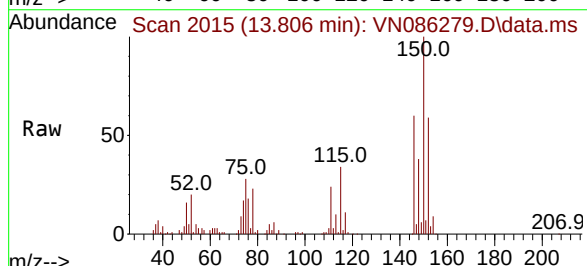
RT: 13.806 min Scan# 2015

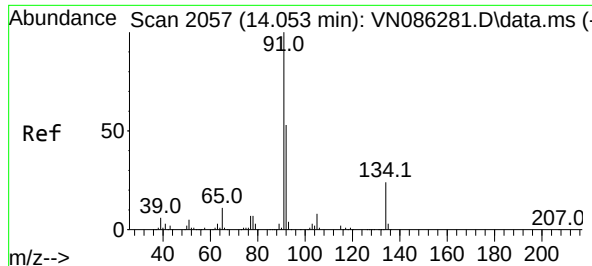
Delta R.T. -0.006 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Tgt Ion:	146	Resp:	57656
Ion Ratio	Lower	Upper	
146	100		
111	45.5	21.3	63.9
148	64.4	31.9	95.9





#89

n-Butylbenzene

Concen: 9.340 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

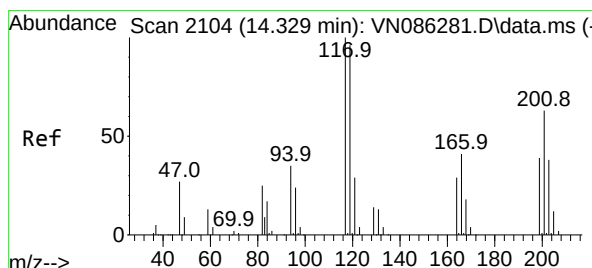
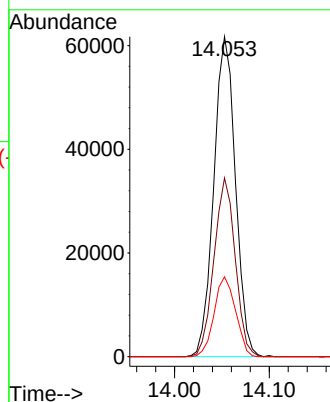
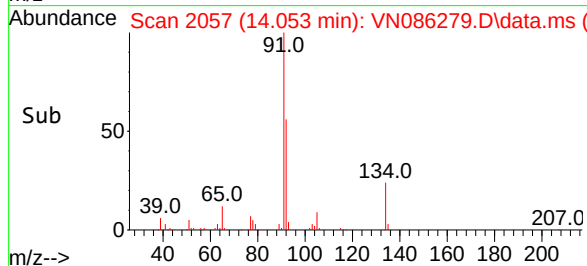
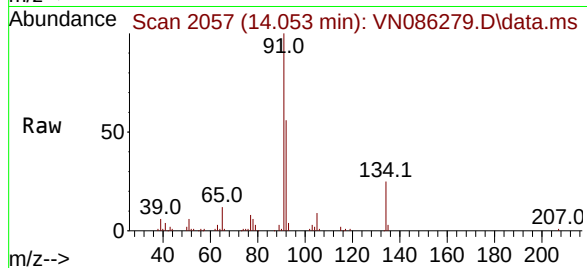
Tgt Ion:	91	Resp:	98010
Ion	Ratio	Lower	Upper
91	100		
92	54.7	26.8	80.4
134	24.7	12.2	36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#90

Hexachloroethane

Concen: 9.503 ug/l

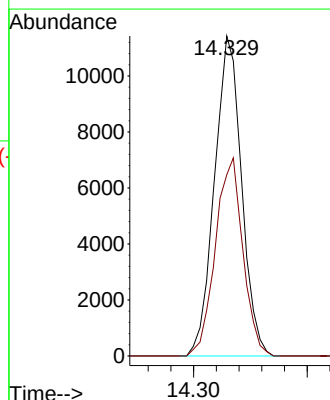
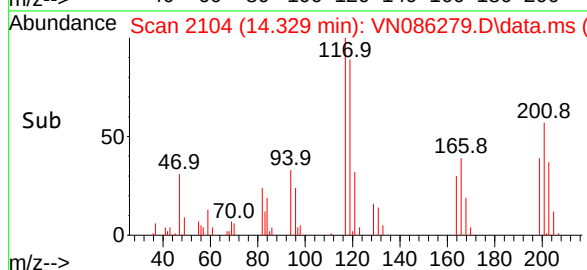
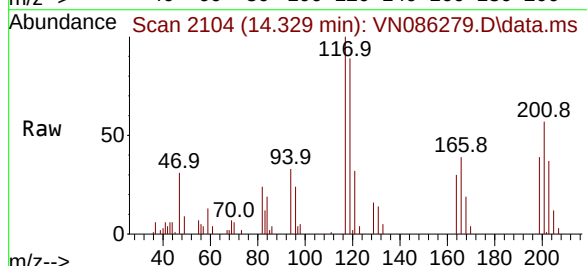
RT: 14.329 min Scan# 2104

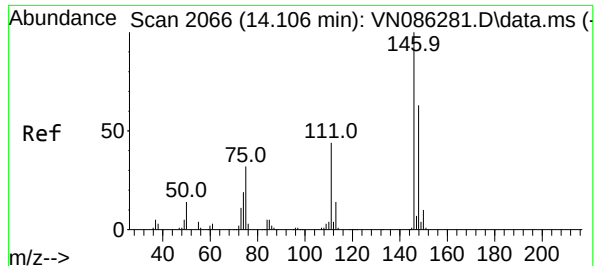
Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Tgt Ion:	117	Resp:	18922
Ion	Ratio	Lower	Upper
117	100		
201	62.8	31.4	94.2





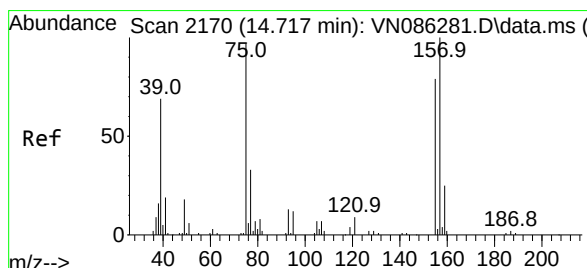
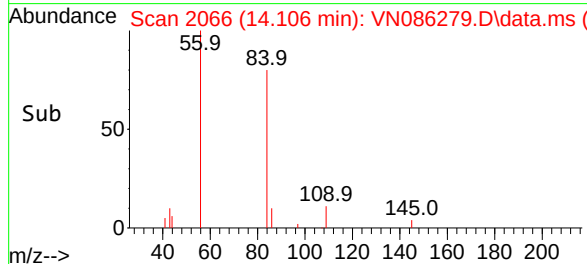
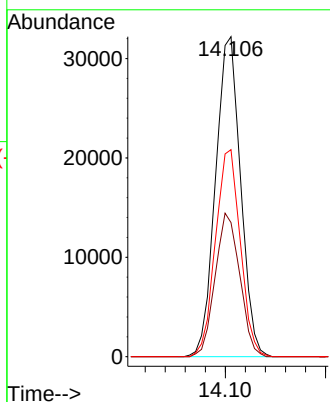
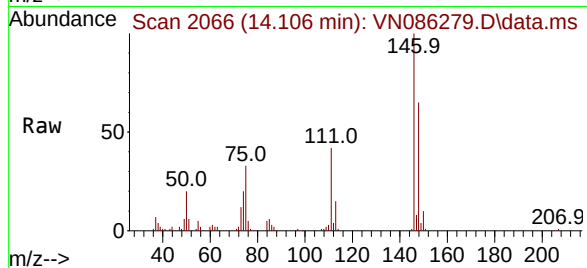
#91
1,2-Dichlorobenzene
Concen: 9.473 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 55850
Ion Ratio Lower Upper
146 100
111 44.0 22.4 67.0
148 64.2 31.8 95.4

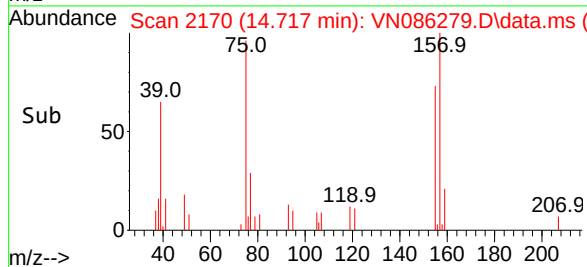
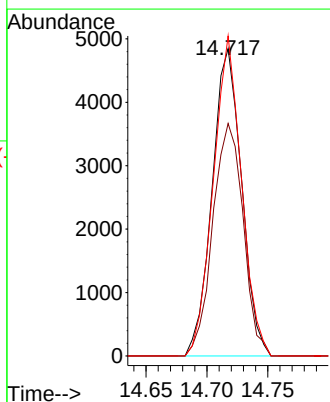
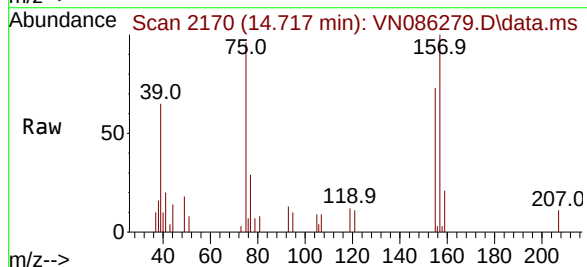
Manual Integrations
APPROVED

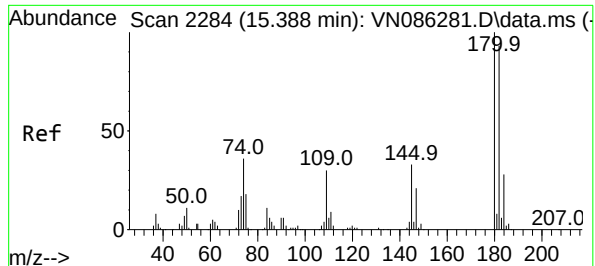
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 9.646 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

Tgt Ion: 75 Resp: 8165
Ion Ratio Lower Upper
75 100
155 78.1 40.3 120.9
157 99.5 49.0 147.2





#93

1,2,4-Trichlorobenzene

Concen: 9.227 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

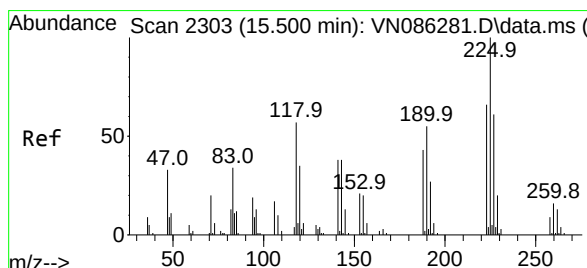
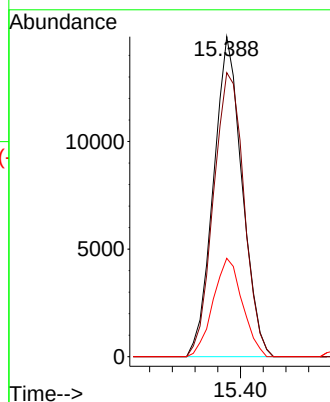
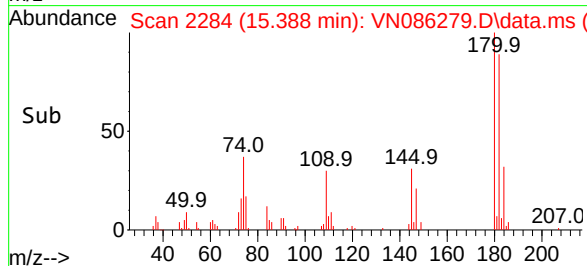
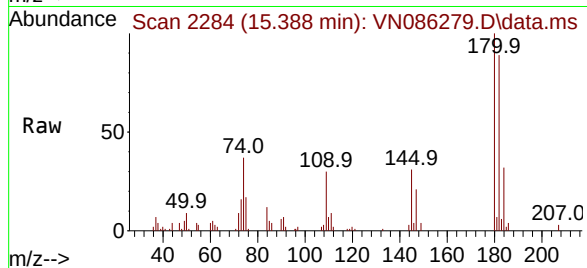
Tgt Ion:	180	Resp:	26050
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.0	141.0
145	31.4	16.4	49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#94

Hexachlorobutadiene

Concen: 9.575 ug/l

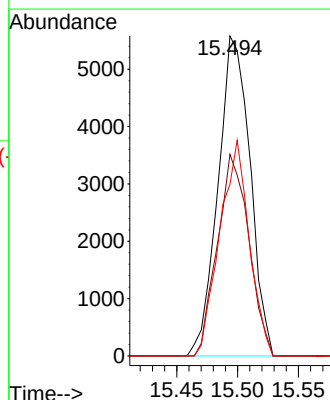
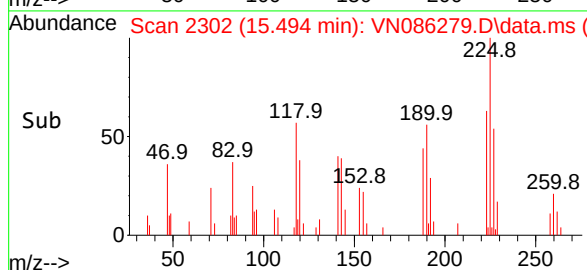
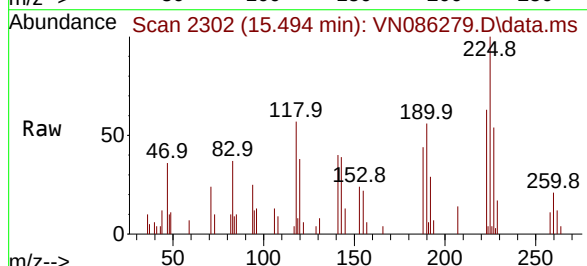
RT: 15.494 min Scan# 2302

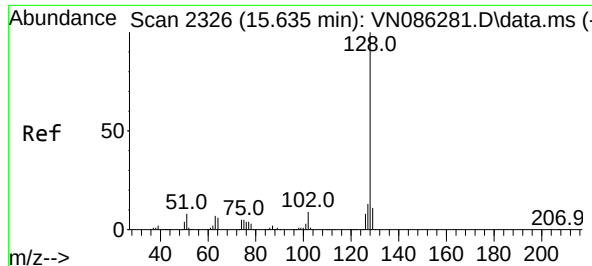
Delta R.T. -0.006 min

Lab File: VN086279.D

Acq: 15 Apr 2025 12:45

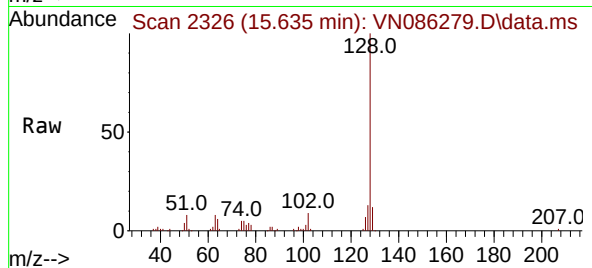
Tgt Ion:	225	Resp:	10205
Ion Ratio	Lower	Upper	
225	100		
223	61.8	32.8	98.3
227	62.0	31.4	94.0





#95
Naphthalene
Concen: 9.277 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

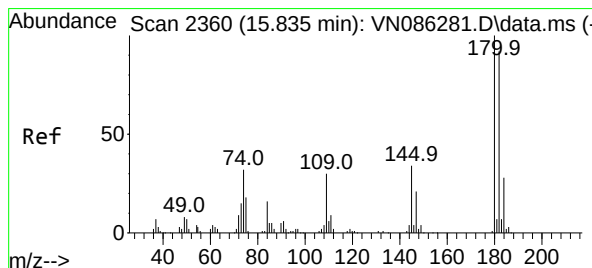
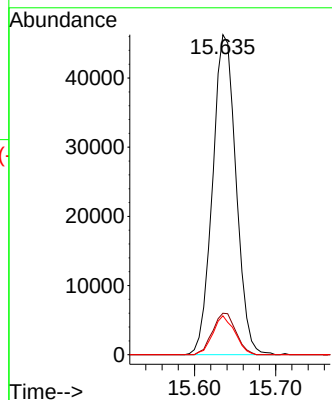
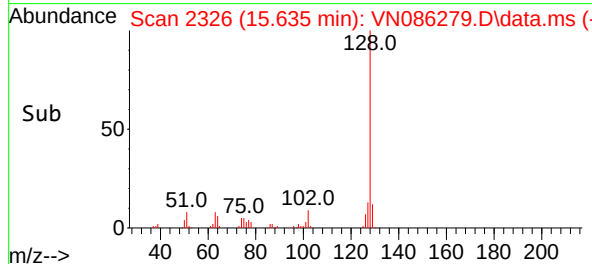
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.4	8.6	13.0

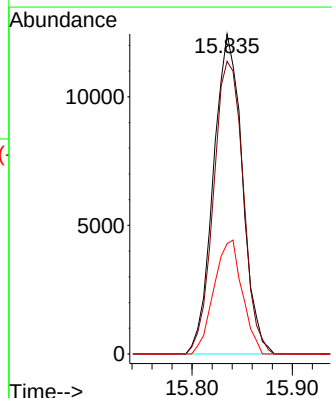
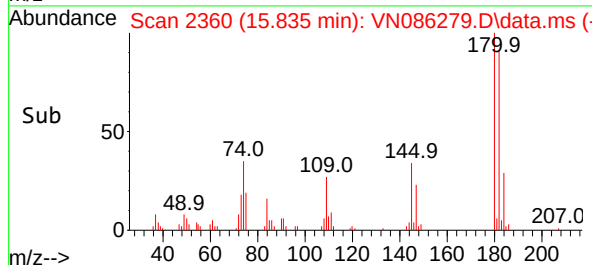
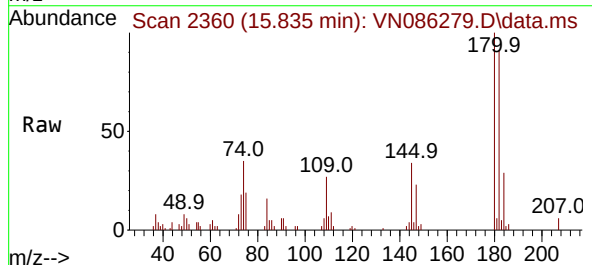
Manual Integrations
APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 9.308 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086279.D
Acq: 15 Apr 2025 12:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.3	142.0
145	34.8	17.2	51.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086280.D
 Acq On : 15 Apr 2025 13:09
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	217195	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	404366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	355626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	158232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	61458	19.513	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.020%#		
35) Dibromofluoromethane	8.165	113	37195	19.819	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.640%#		
50) Toluene-d8	10.565	98	191691	19.112	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	38.220%#		
62) 4-Bromofluorobenzene	12.847	95	68030	18.596	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	37.200%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	54177	21.042	ug/l	99
3) Chloromethane	2.359	50	71193	19.026	ug/l	98
4) Vinyl Chloride	2.518	62	73472	20.576	ug/l	99
5) Bromomethane	2.959	94	34343	21.382	ug/l	98
6) Chloroethane	3.124	64	47157	19.732	ug/l	99
7) Trichlorofluoromethane	3.501	101	80568	20.369	ug/l	98
8) Diethyl Ether	3.959	74	36034	20.868	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	49252	20.584	ug/l	99
10) Methyl Iodide	4.589	142	55289	21.017	ug/l	99
11) Tert butyl alcohol	5.512	59	61718	107.400	ug/l	97
12) 1,1-Dichloroethene	4.348	96	51127	20.000	ug/l	98
13) Acrolein	4.183	56	28121	95.627	ug/l	99
14) Allyl chloride	5.024	41	89076	19.612	ug/l	99
15) Acrylonitrile	5.712	53	148850	104.781	ug/l	100
16) Acetone	4.424	43	122726	109.479	ug/l	98
17) Carbon Disulfide	4.712	76	149518	19.534	ug/l	100
18) Methyl Acetate	5.024	43	75070	19.857	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	191056	20.332	ug/l	97
20) Methylene Chloride	5.277	84	58230	19.999	ug/l	98
21) trans-1,2-Dichloroethene	5.789	96	53894	20.165	ug/l	99
22) Diisopropyl ether	6.671	45	196831	19.911	ug/l	98
23) Vinyl Acetate	6.600	43	713534m	103.278	ug/l	
24) 1,1-Dichloroethane	6.565	63	104777	20.087	ug/l	99
25) 2-Butanone	7.477	43	202298	103.191	ug/l	99
26) 2,2-Dichloropropane	7.489	77	94147	20.159	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	66347	20.001	ug/l	99
28) Bromochloromethane	7.812	49	40391	18.263	ug/l	100
29) Tetrahydrofuran	7.836	42	136348	104.008	ug/l	99
30) Chloroform	7.965	83	103881	20.274	ug/l	100
31) Cyclohexane	8.253	56	101546	19.895	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	89173	20.344	ug/l	97
36) 1,1-Dichloropropene	8.365	75	75426	20.122	ug/l	99
37) Ethyl Acetate	7.553	43	79383	20.115	ug/l	99
38) Carbon Tetrachloride	8.359	117	72704	20.367	ug/l	99
39) Methylcyclohexane	9.594	83	88728	19.915	ug/l	98
40) Benzene	8.600	78	243918	20.310	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086280.D
 Acq On : 15 Apr 2025 13:09
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:00 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M

Quant Title : SW846 8260

QLast Update : Wed Apr 16 03:42:50 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	45760	20.007	ug/l	100
42) 1,2-Dichloroethane	8.665	62	77932	20.348	ug/l	100
43) Isopropyl Acetate	8.683	43	157753	20.921	ug/l	99
44) Trichloroethene	9.353	130	56926	19.998	ug/l	99
45) 1,2-Dichloropropane	9.618	63	59599	20.273	ug/l	98
46) Dibromomethane	9.706	93	38601	20.608	ug/l	98
47) Bromodichloromethane	9.888	83	82517	20.397	ug/l	98
48) Methyl methacrylate	9.677	41	69986	20.195	ug/l	99
49) 1,4-Dioxane	9.694	88	24362	413.277	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	421471	104.297	ug/l	100
52) Toluene	10.630	92	152248	20.317	ug/l	99
53) t-1,3-Dichloropropene	10.830	75	92441	20.470	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	100415	20.245	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	53630	19.891	ug/l	97
56) Ethyl methacrylate	10.871	69	100712	20.321	ug/l	99
57) 1,3-Dichloropropane	11.159	76	97363	20.353	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	222766	94.702	ug/l	100
59) 2-Hexanone	11.194	43	309954	103.408	ug/l	100
60) Dibromochloromethane	11.359	129	60596	20.467	ug/l	100
61) 1,2-Dibromoethane	11.465	107	56679	20.834	ug/l	99
64) Tetrachloroethene	11.100	164	55481	20.282	ug/l	97
65) Chlorobenzene	11.888	112	158917	20.024	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	52389	20.010	ug/l	98
67) Ethyl Benzene	11.959	91	288483	20.144	ug/l	99
68) m/p-Xylenes	12.071	106	215301	40.122	ug/l	99
69) o-Xylene	12.394	106	107161	20.193	ug/l	99
70) Styrene	12.406	104	177099	20.029	ug/l	99
71) Bromoform	12.576	173	39697	20.138	ug/l #	98
73) Isopropylbenzene	12.694	105	264607	20.443	ug/l	99
74) N-amyl acetate	12.488	43	126575	19.643	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	76740	20.620	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	74829m	20.130	ug/l	
77) Bromobenzene	12.976	156	59889	20.882	ug/l	99
78) n-propylbenzene	13.029	91	307737	20.176	ug/l	100
79) 2-Chlorotoluene	13.124	91	193569	20.281	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	216364	20.423	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	31256m	20.104	ug/l	
82) 4-Chlorotoluene	13.218	91	192849	20.341	ug/l	99
83) tert-Butylbenzene	13.435	119	182683	19.901	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	217135	20.135	ug/l	100
85) sec-Butylbenzene	13.612	105	252593	19.838	ug/l	99
86) p-Isopropyltoluene	13.723	119	208256	19.844	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	107491	19.938	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	108412	19.964	ug/l	99
89) n-Butylbenzene	14.053	91	184852	19.871	ug/l	99
90) Hexachloroethane	14.329	117	35250	19.968	ug/l	95
91) 1,2-Dichlorobenzene	14.100	146	104185	19.932	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	15863	21.139	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	50179	20.048	ug/l	99
94) Hexachlorobutadiene	15.494	225	19024	20.135	ug/l	99
95) Naphthalene	15.635	128	183816	20.717	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	47425	20.013	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086280.D
Acq On : 15 Apr 2025 13:09
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

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

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

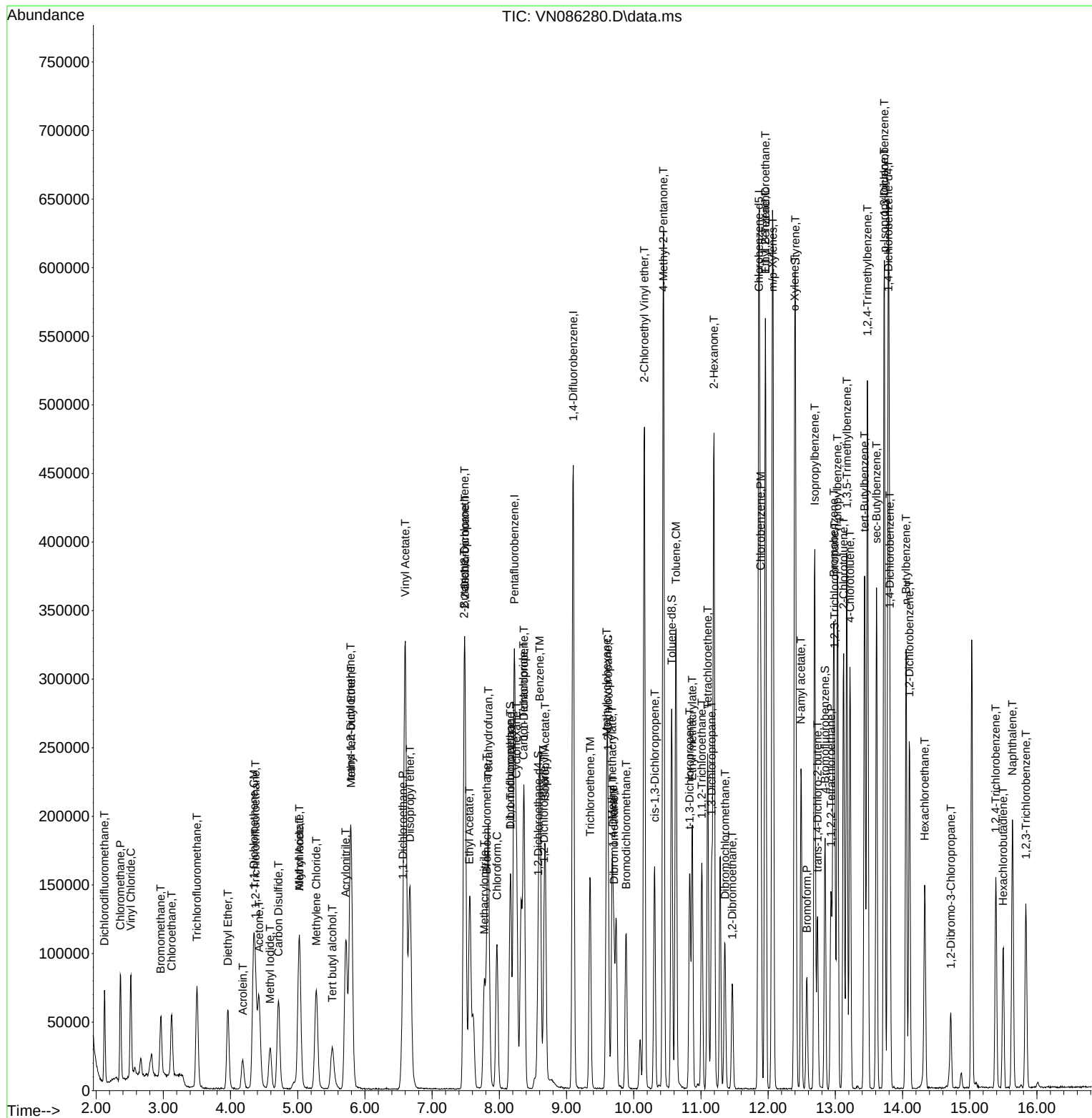
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Data File : VN086280.D
Acq On : 15 Apr 2025 13:09
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

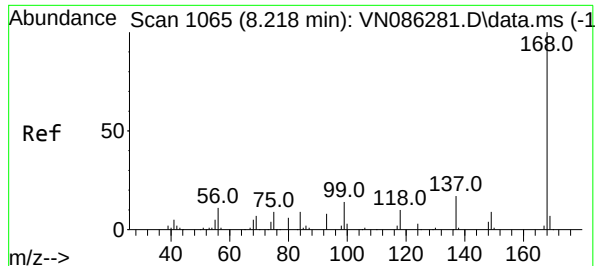
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
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: VN086280.D

Acq: 15 Apr 2025 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:168 Resp: 21719

Ion Ratio Lower Upper

168 100

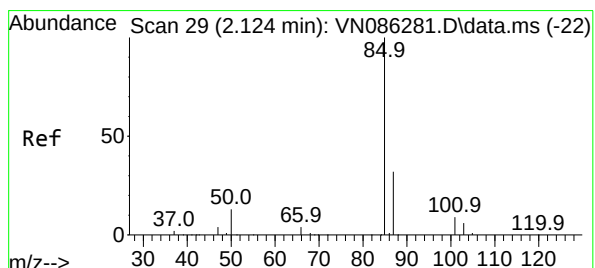
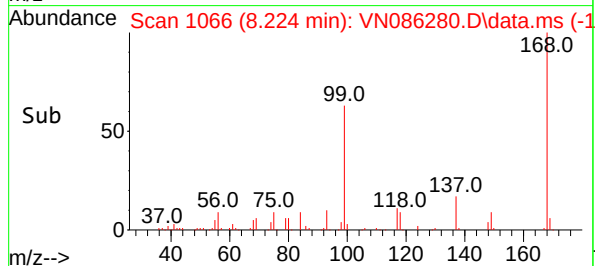
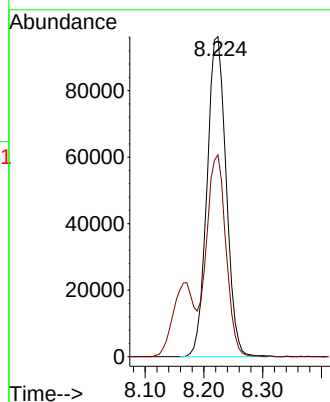
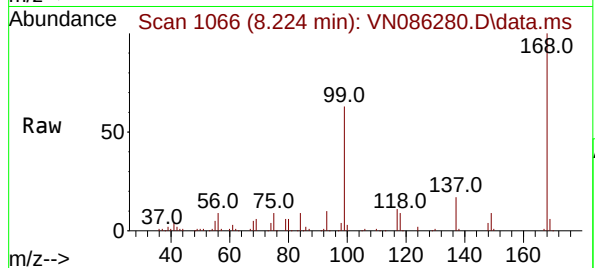
99 63.1 52.5 78.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#2

Dichlorodifluoromethane

Concen: 21.042 ug/l

RT: 2.124 min Scan# 29

Delta R.T. 0.000 min

Lab File: VN086280.D

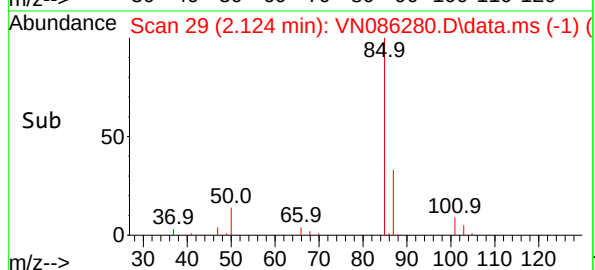
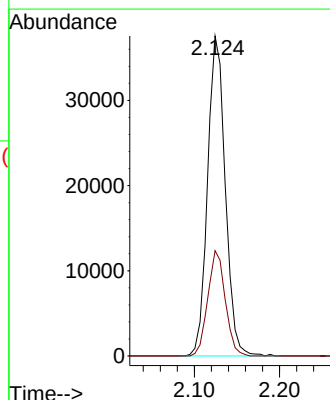
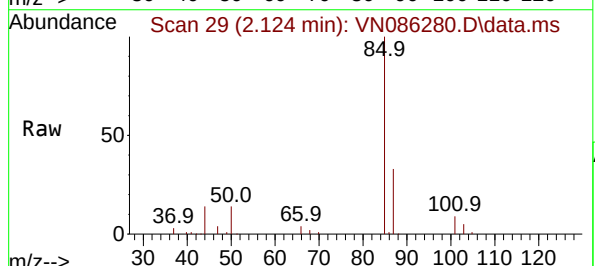
Acq: 15 Apr 2025 13:09

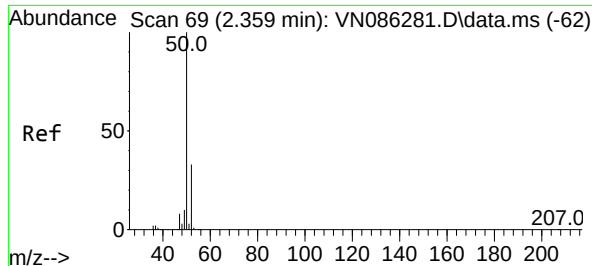
Tgt Ion: 85 Resp: 54177

Ion Ratio Lower Upper

85 100

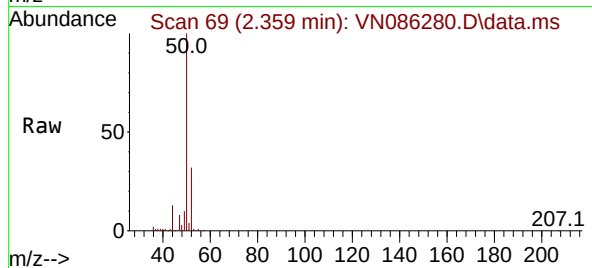
87 32.9 16.3 48.8





#3
Chloromethane
Concen: 19.026 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

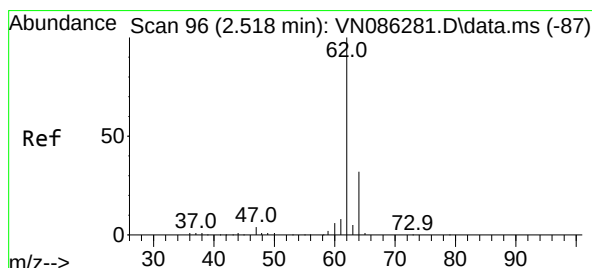
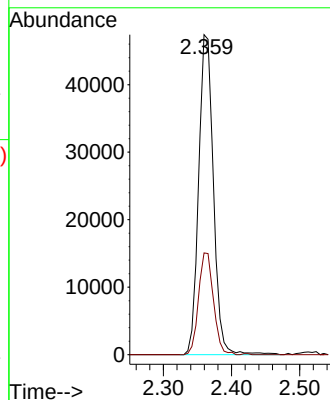
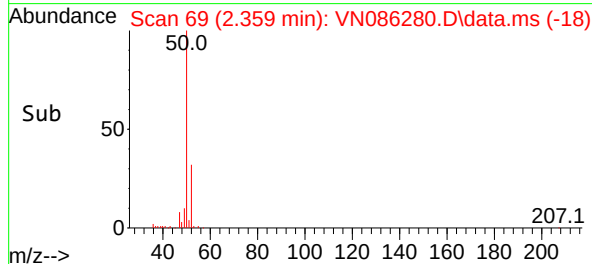
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 50 Resp: 71193
Ion Ratio Lower Upper
50 100
52 31.8 26.5 39.7

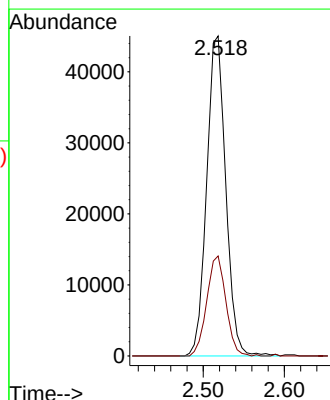
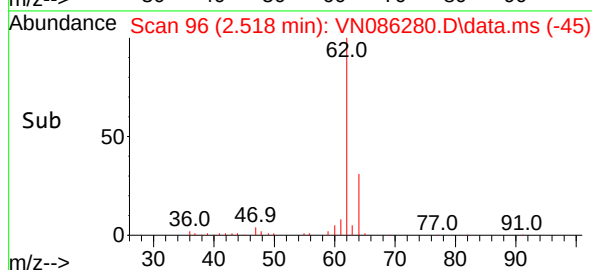
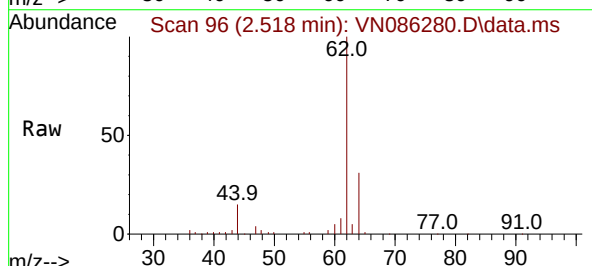
Manual Integrations
APPROVED

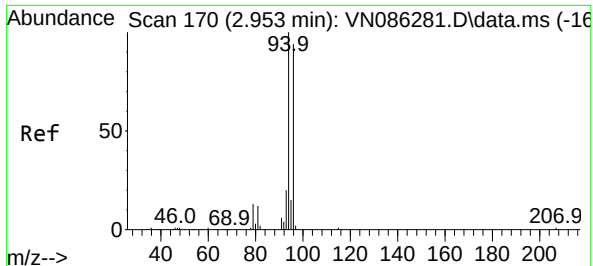
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#4
Vinyl Chloride
Concen: 20.576 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Tgt Ion: 62 Resp: 73472
Ion Ratio Lower Upper
62 100
64 31.2 25.6 38.4





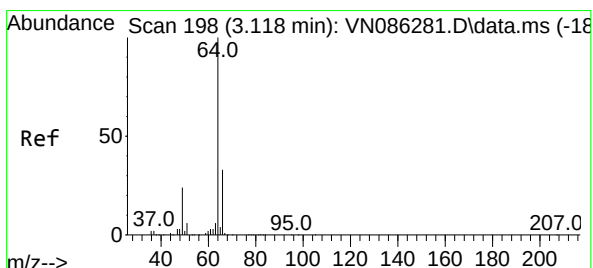
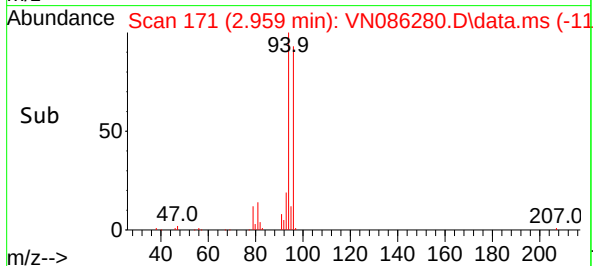
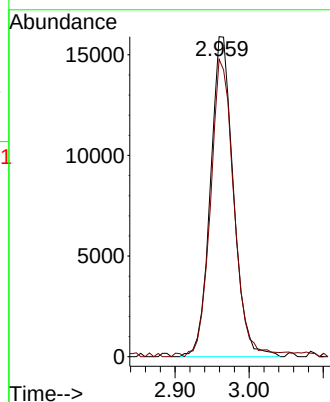
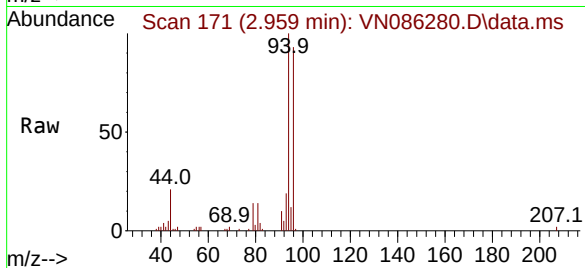
#5
Bromomethane
Concen: 21.382 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 3434
Ion Ratio Lower Upper
94 100
96 92.0 75.2 112.8

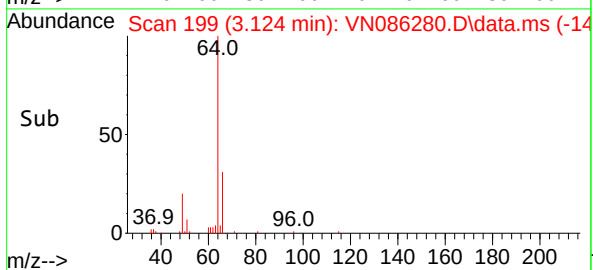
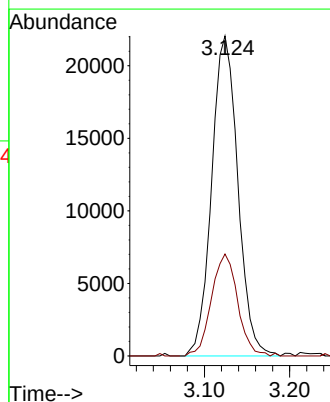
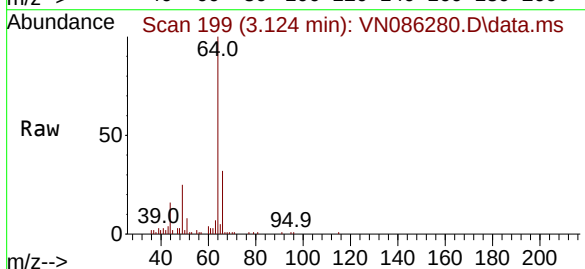
Manual Integrations
APPROVED

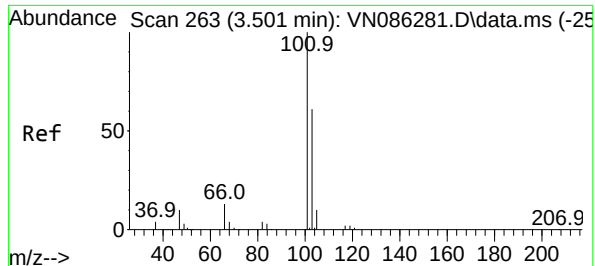
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#6
Chloroethane
Concen: 19.732 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Tgt Ion: 64 Resp: 47157
Ion Ratio Lower Upper
64 100
66 31.9 26.2 39.2





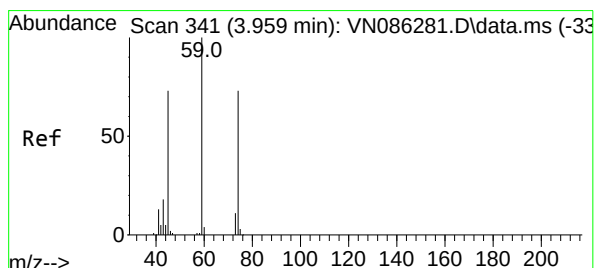
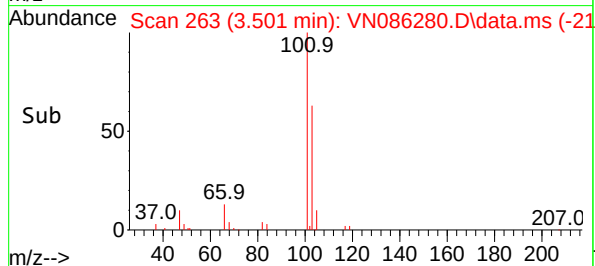
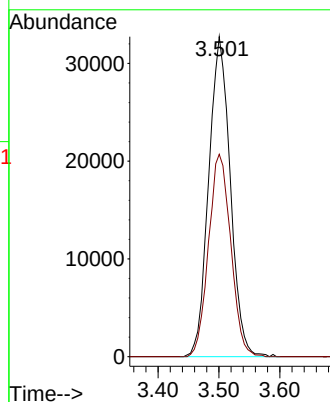
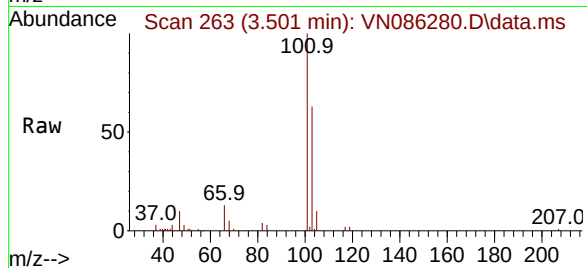
#7
Trichlorofluoromethane
Concen: 20.369 ug/l
RT: 3.501 min Scan# 263
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:101 Resp: 8056
Ion Ratio Lower Upper
101 100
103 63.3 49.2 73.8

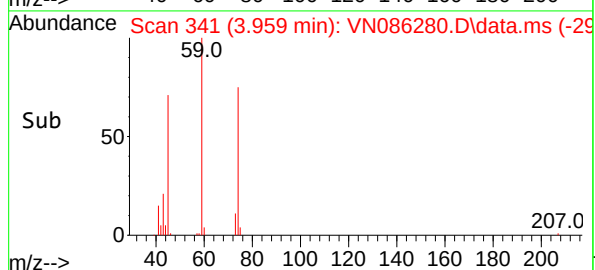
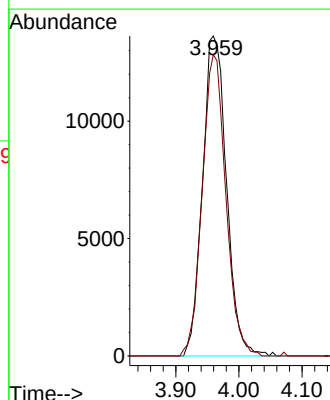
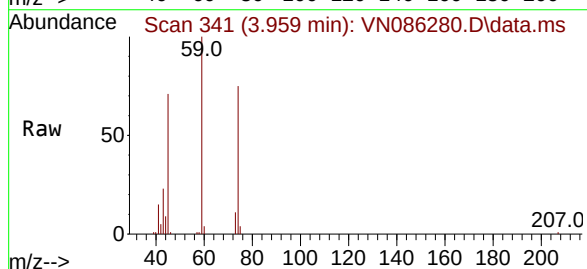
Manual Integrations
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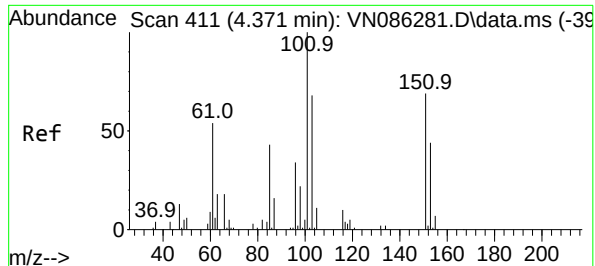
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#8
Diethyl Ether
Concen: 20.868 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Tgt Ion: 74 Resp: 36034
Ion Ratio Lower Upper
74 100
45 92.5 48.0 144.2





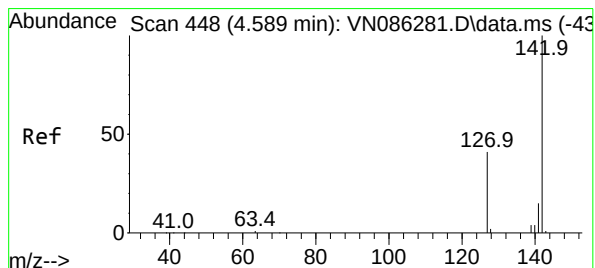
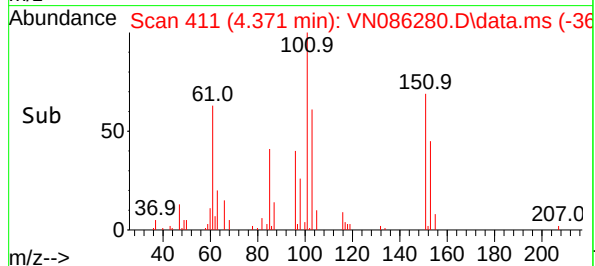
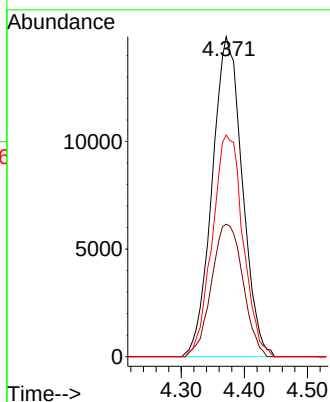
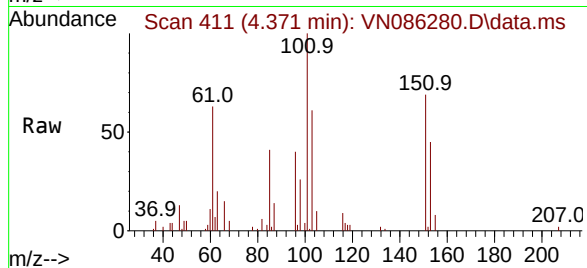
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.584 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 4925
Ion Ratio Lower Upper
101 100
85 43.2 34.7 52.1
151 70.7 56.1 84.1

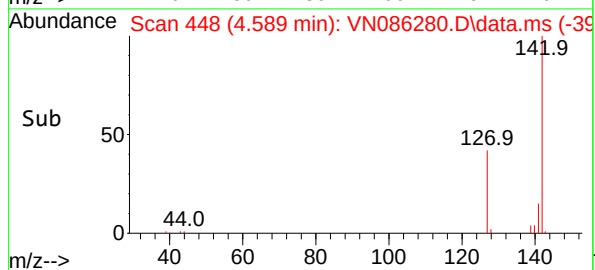
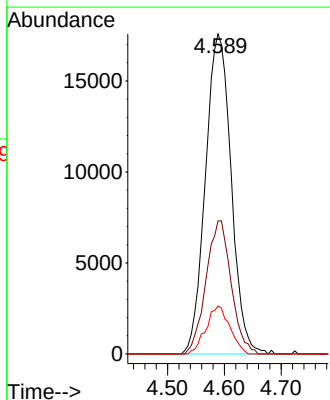
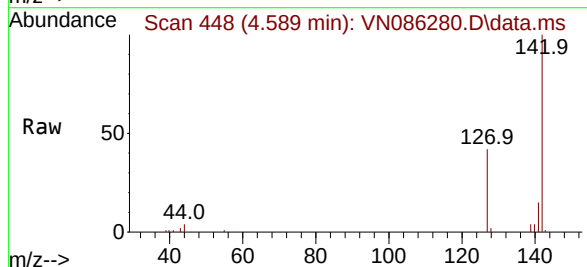
Manual Integrations
APPROVED

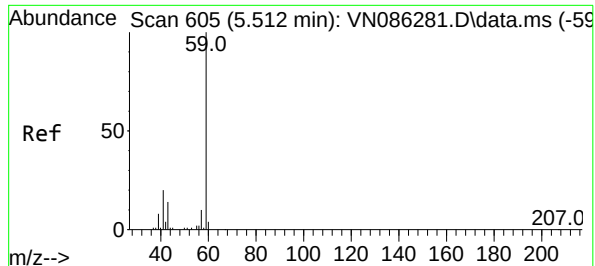
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#10
Methyl Iodide
Concen: 21.017 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Tgt Ion:142 Resp: 55289
Ion Ratio Lower Upper
142 100
127 41.6 32.7 49.1
141 15.0 11.7 17.5





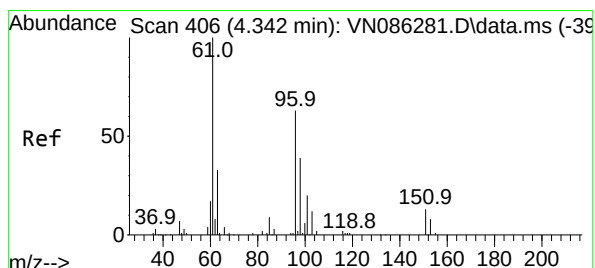
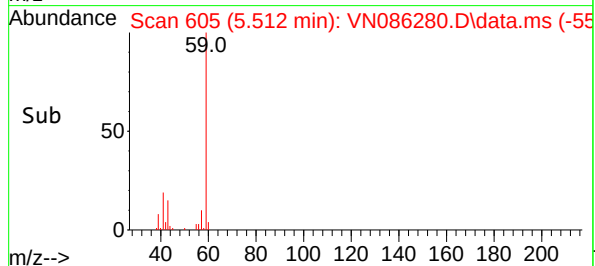
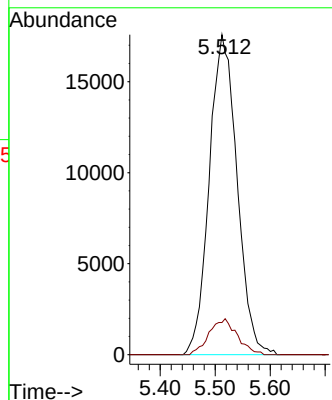
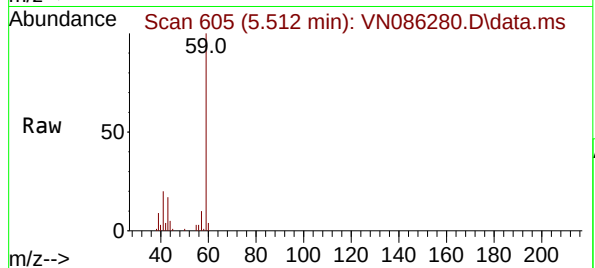
#11
Tert butyl alcohol
Concen: 107.400 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 61718
Ion Ratio Lower Upper
59 100
57 11.4 8.3 12.5

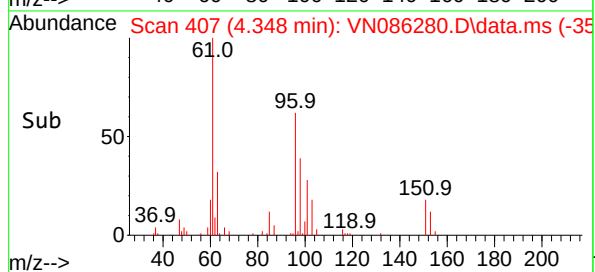
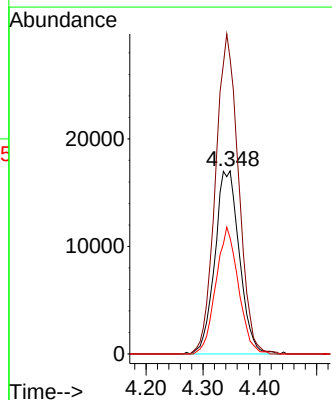
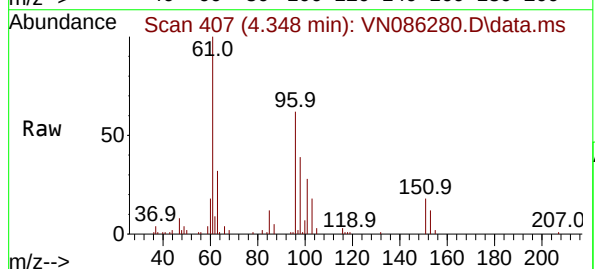
Manual Integrations
APPROVED

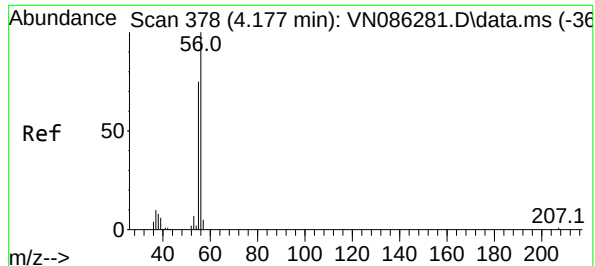
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#12
1,1-Dichloroethene
Concen: 20.000 ug/l
RT: 4.348 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Tgt Ion: 96 Resp: 51127
Ion Ratio Lower Upper
96 100
61 161.3 126.6 189.8
98 63.4 49.6 74.4





#13

Acrolein

Concen: 95.627 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 2812

Ion Ratio Lower Upper

56 100

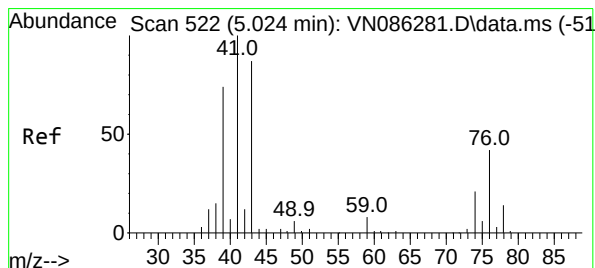
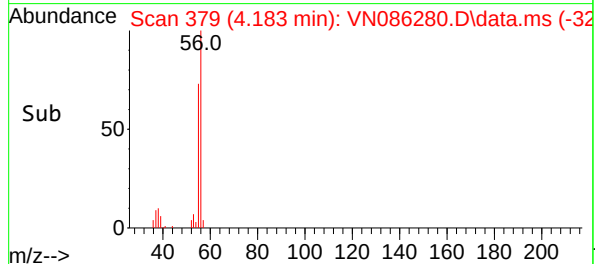
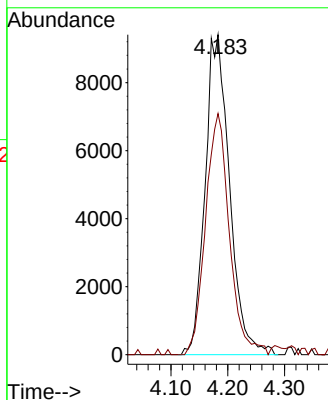
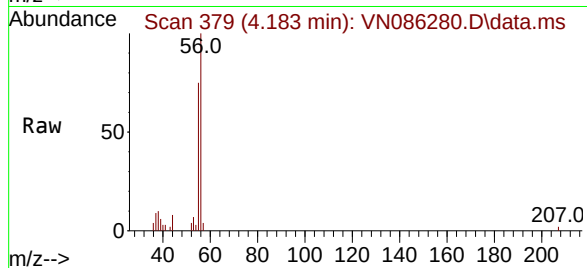
55 73.6 58.5 87.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#14

Allyl chloride

Concen: 19.612 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

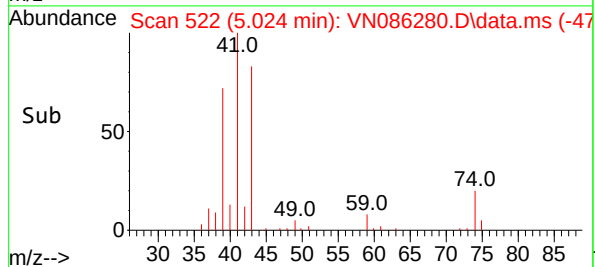
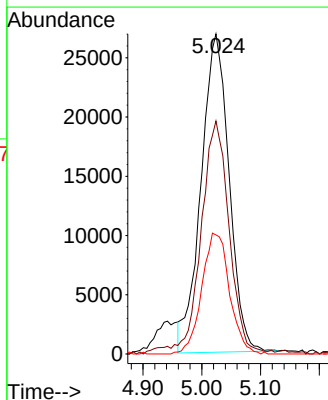
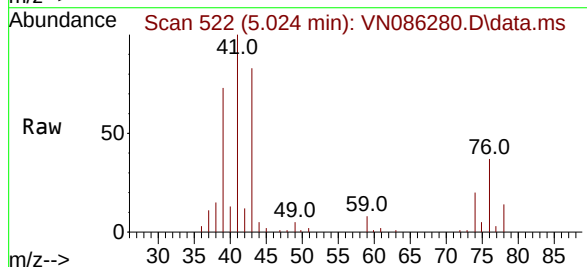
Tgt Ion: 41 Resp: 89076

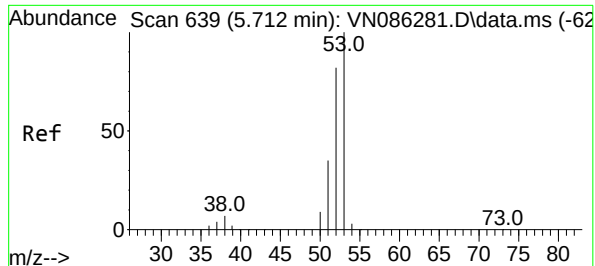
Ion Ratio Lower Upper

41 100

39 73.7 59.2 88.8

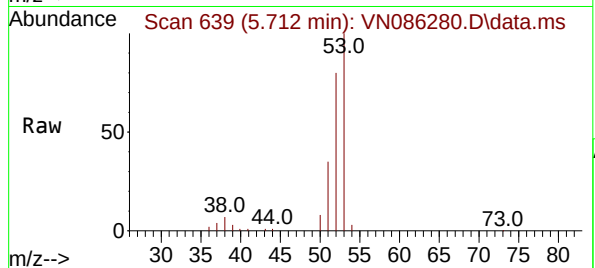
76 37.5 31.2 46.8





#15
Acrylonitrile
Concen: 104.781 ug/l
RT: 5.712 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

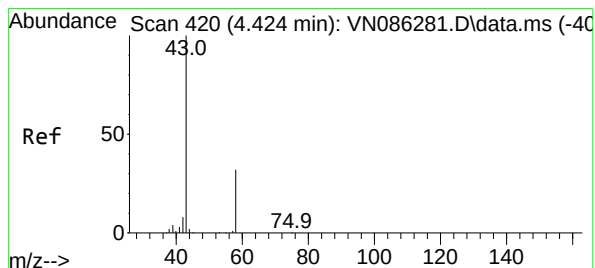
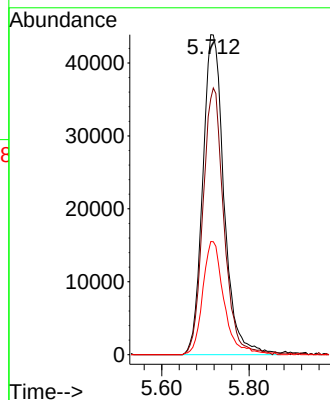
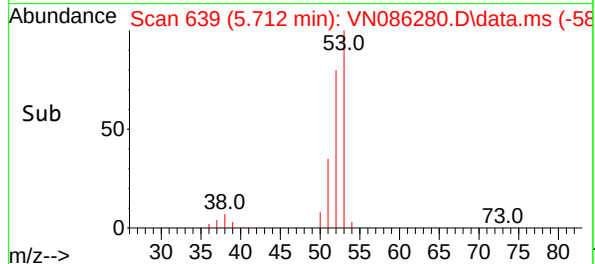
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 53 Resp: 148850
Ion Ratio Lower Upper
53 100
52 81.6 65.5 98.3
51 35.4 28.6 42.8

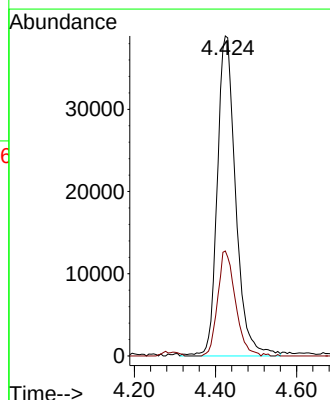
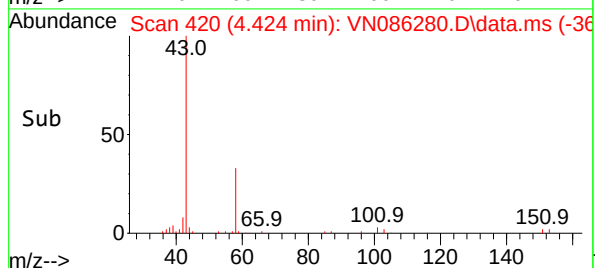
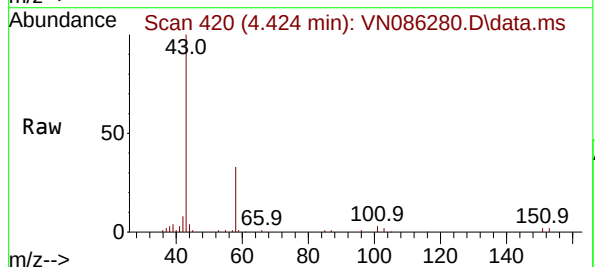
Manual Integrations
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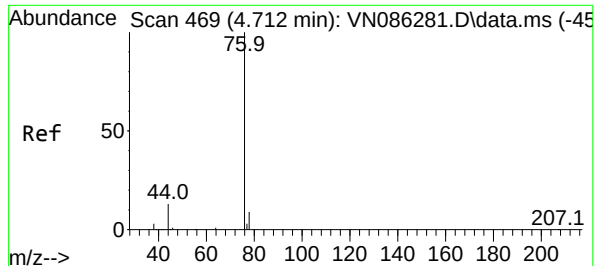
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#16
Acetone
Concen: 109.479 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Tgt Ion: 43 Resp: 122726
Ion Ratio Lower Upper
43 100
58 32.8 25.3 37.9





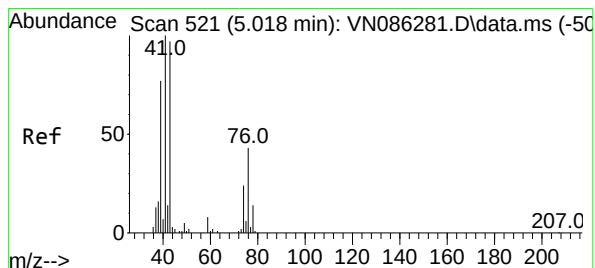
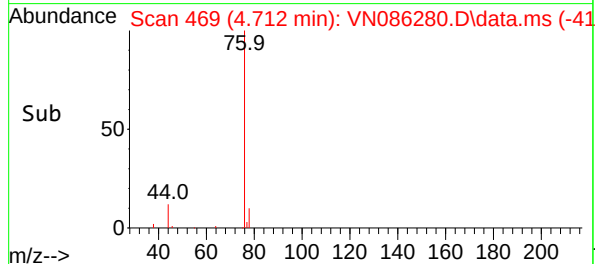
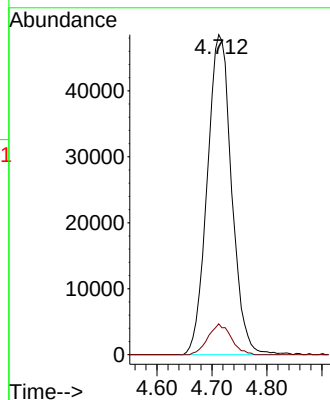
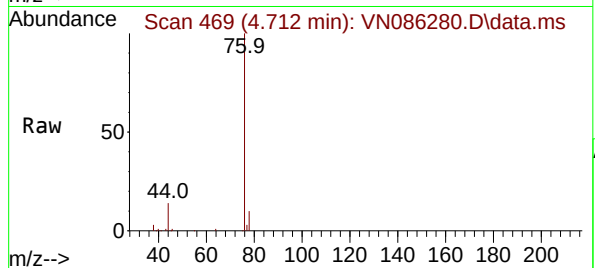
#17
Carbon Disulfide
Concen: 19.534 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 149518
Ion Ratio Lower Upper
76 100
78 9.7 7.6 11.4

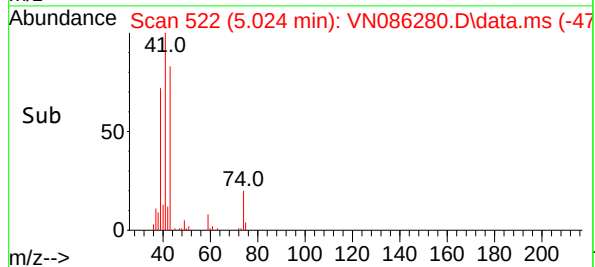
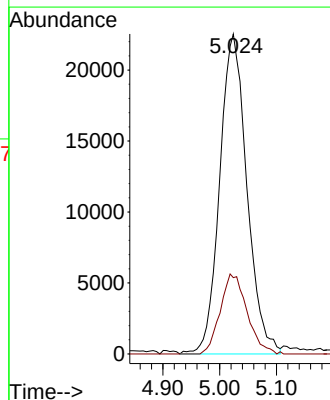
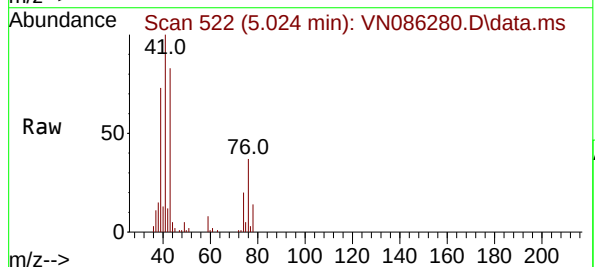
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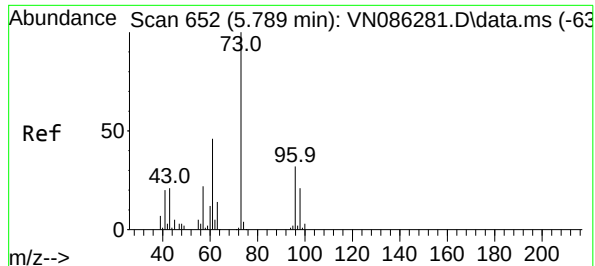
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#18
Methyl Acetate
Concen: 19.857 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Tgt Ion: 43 Resp: 75070
Ion Ratio Lower Upper
43 100
74 24.6 19.8 29.6





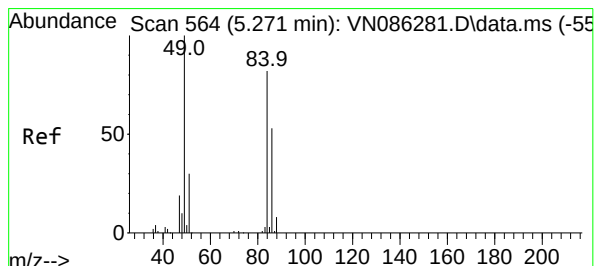
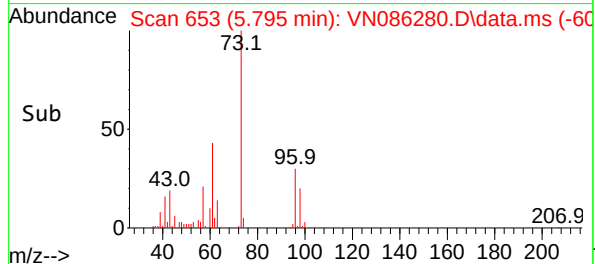
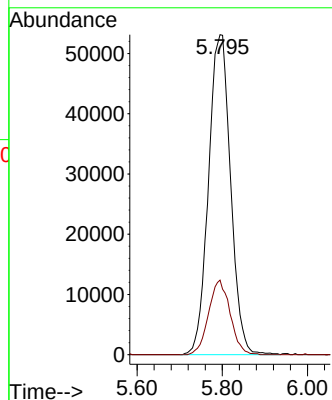
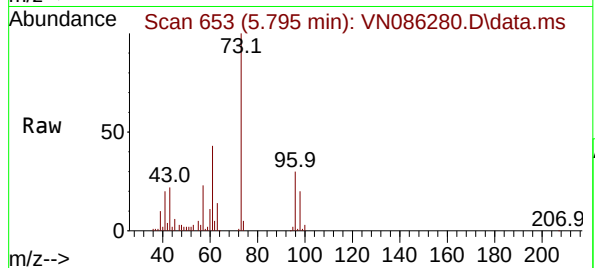
#19
Methyl tert-butyl Ether
Concen: 20.332 ug/l
RT: 5.795 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 19105
Ion Ratio Lower Upper
73 100
57 23.3 17.6 26.4

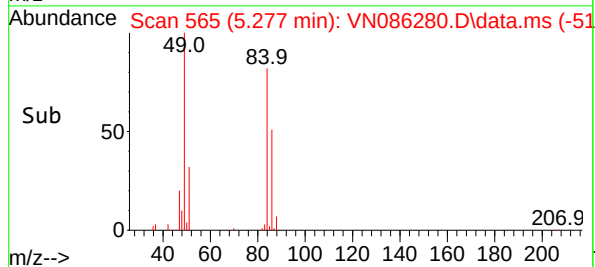
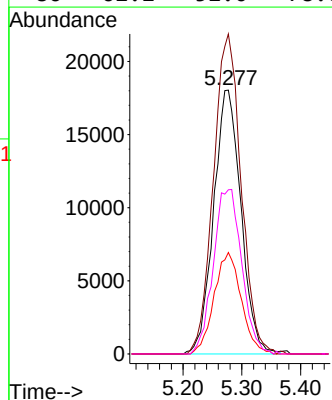
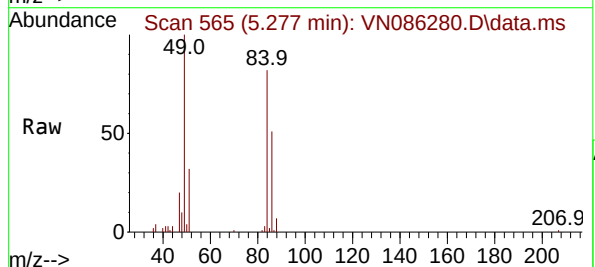
Manual Integrations
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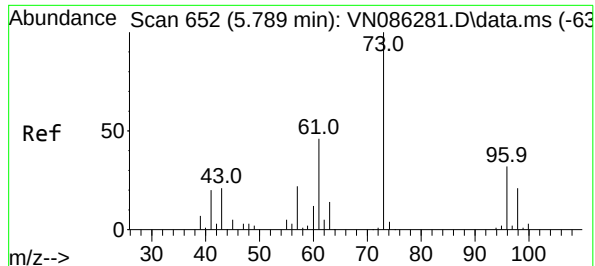
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#20
Methylene Chloride
Concen: 19.999 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

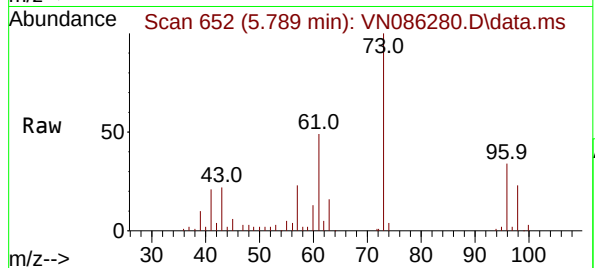
Tgt Ion: 84 Resp: 58230
Ion Ratio Lower Upper
84 100
49 121.3 98.2 147.2
51 38.5 29.8 44.6
86 62.2 52.0 78.0





#21
trans-1,2-Dichloroethene
Concen: 20.165 ug/l
RT: 5.789 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

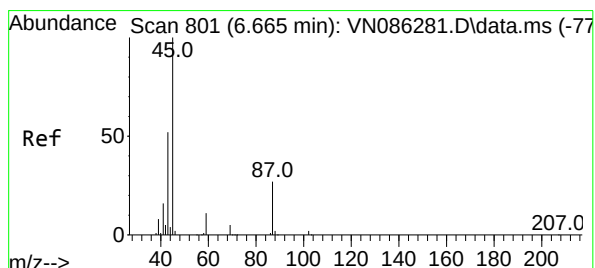
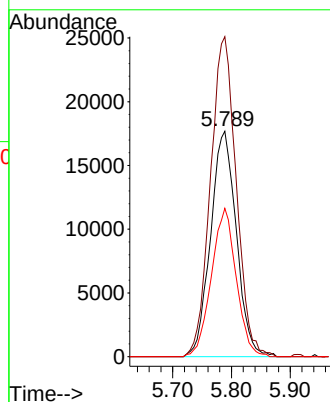
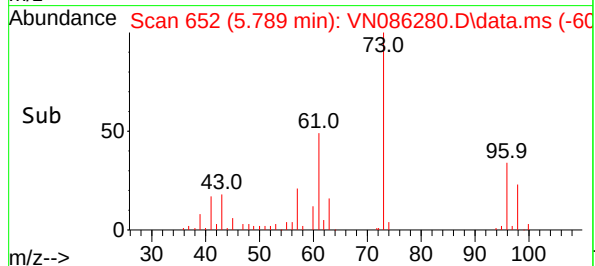
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 96 Resp: 53894
Ion Ratio Lower Upper
96 100
61 141.9 114.6 171.8
98 65.8 51.2 76.8

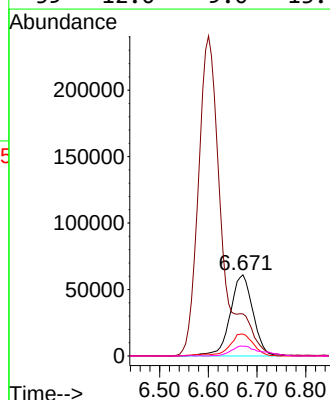
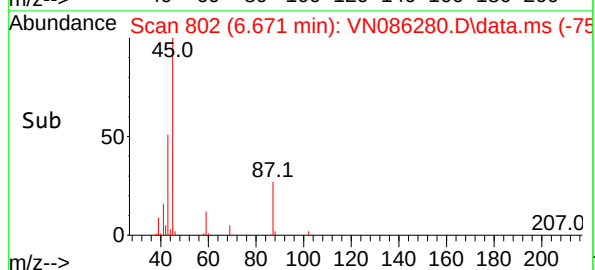
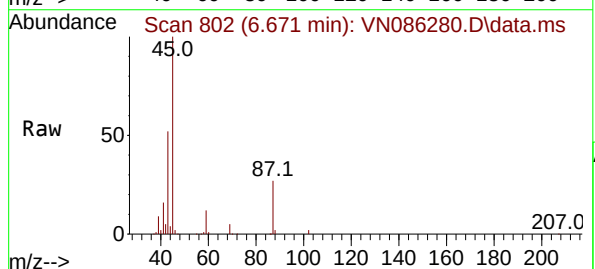
Manual Integrations
APPROVED

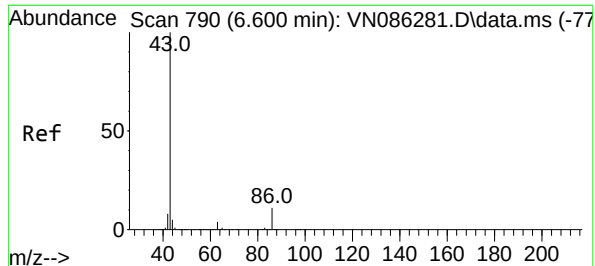
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#22
Diisopropyl ether
Concen: 19.911 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Tgt Ion: 45 Resp: 196831
Ion Ratio Lower Upper
45 100
43 50.1 41.8 62.8
87 27.1 21.6 32.4
59 12.0 9.0 13.4





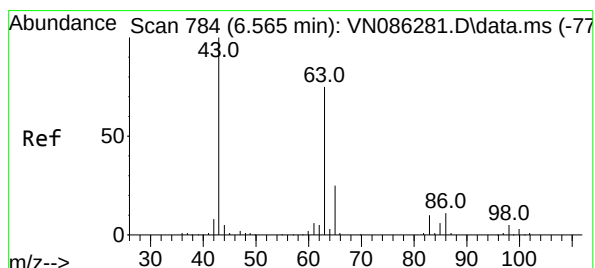
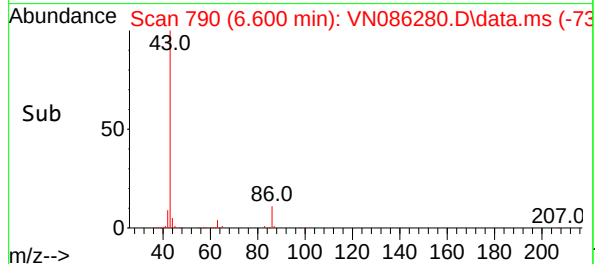
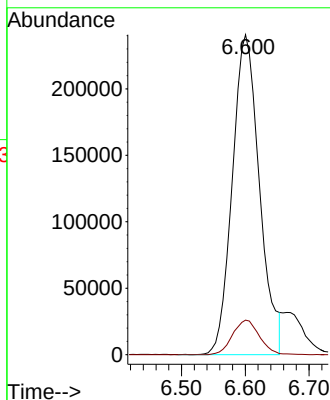
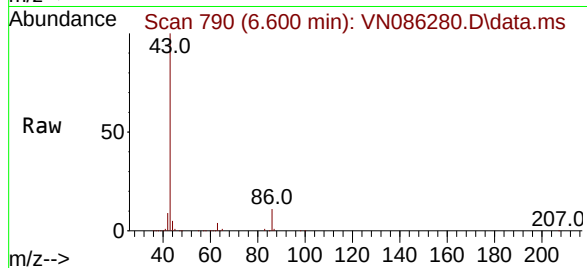
#23
Vinyl Acetate
Concen: 103.278 ug/l m
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 713534
Ion Ratio Lower Upper
43 100
86 10.8 8.6 13.0

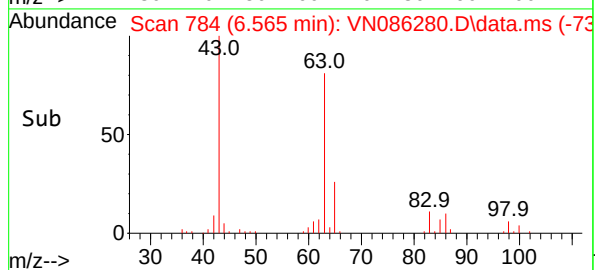
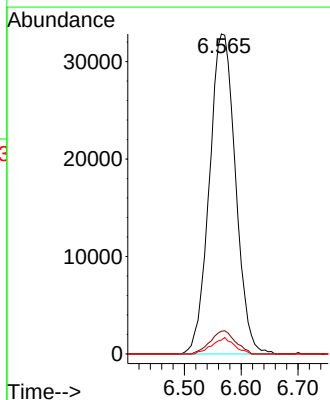
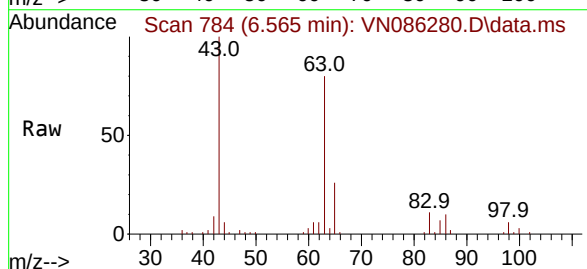
Manual Integrations
APPROVED

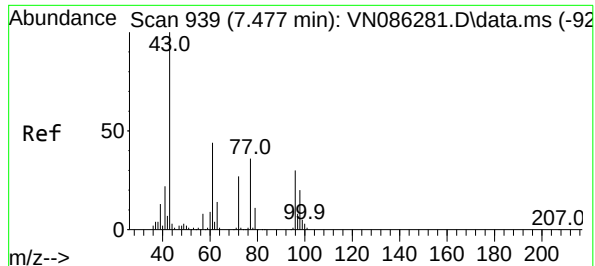
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#24
1,1-Dichloroethane
Concen: 20.087 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

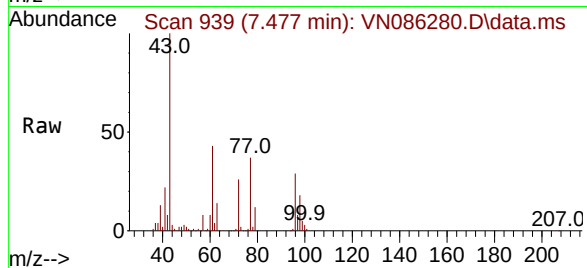
Tgt Ion: 63 Resp: 104777
Ion Ratio Lower Upper
63 100
98 7.1 3.4 10.2
100 4.4 2.1 6.5





#25
2-Butanone
Concen: 103.191 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

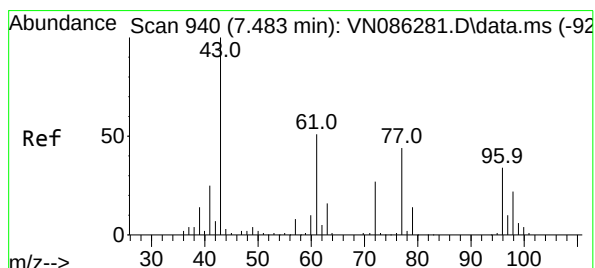
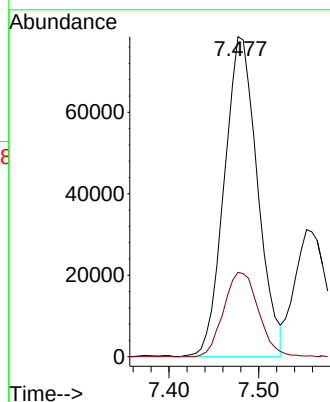
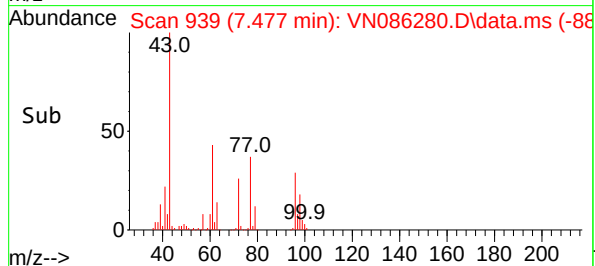
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion: 43 Resp: 202298
Ion Ratio Lower Upper
43 100
72 26.4 21.7 32.5

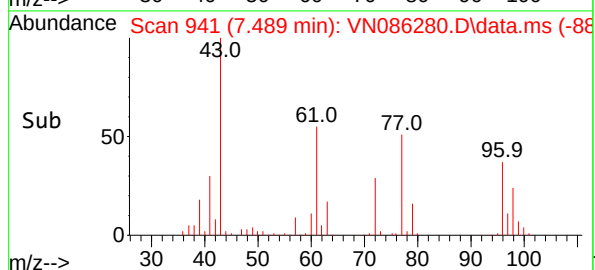
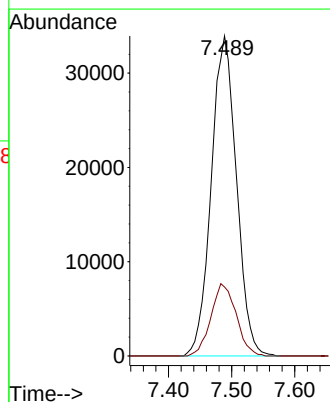
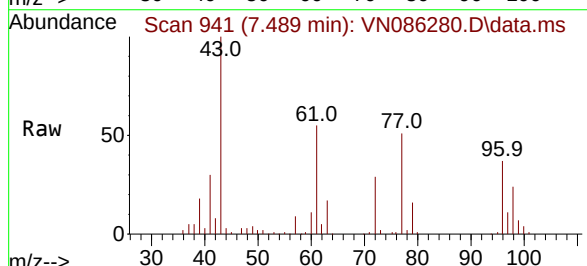
Manual Integrations
APPROVED

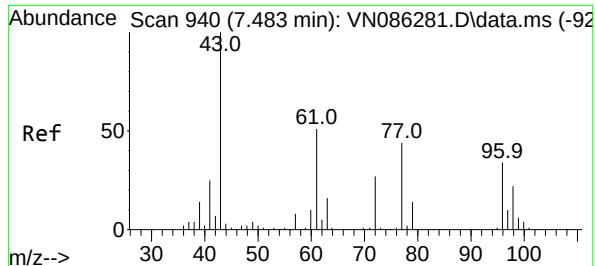
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#26
2,2-Dichloropropane
Concen: 20.159 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Tgt Ion: 77 Resp: 94147
Ion Ratio Lower Upper
77 100
97 22.6 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 20.001 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 96 Resp: 6634

Ion Ratio Lower Upper

96 100

61 150.6 0.0 299.0

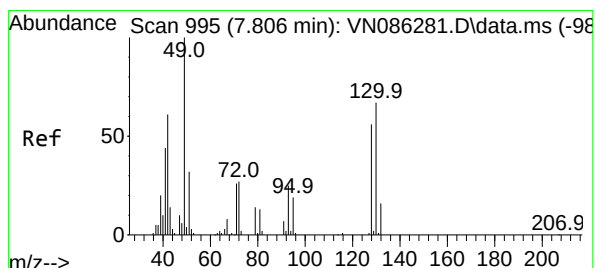
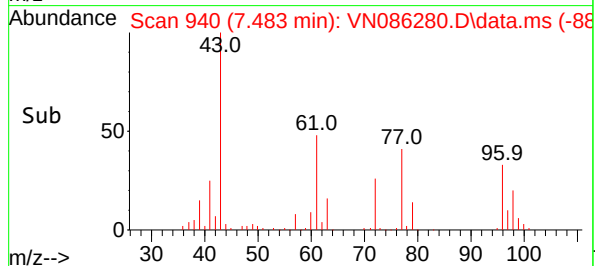
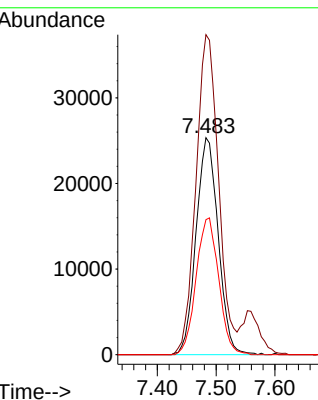
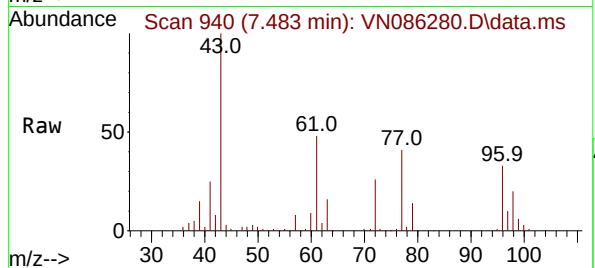
98 64.3 0.0 129.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#28

Bromochloromethane

Concen: 18.263 ug/l

RT: 7.812 min Scan# 996

Delta R.T. 0.006 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

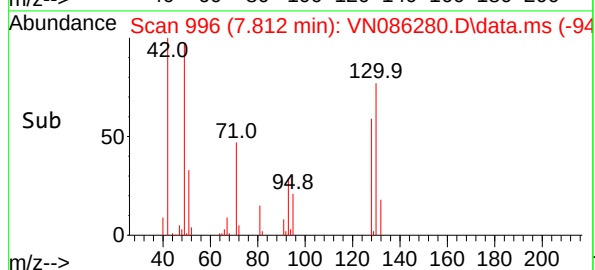
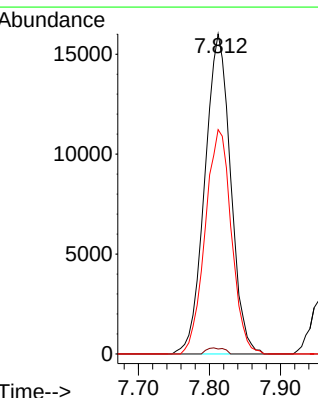
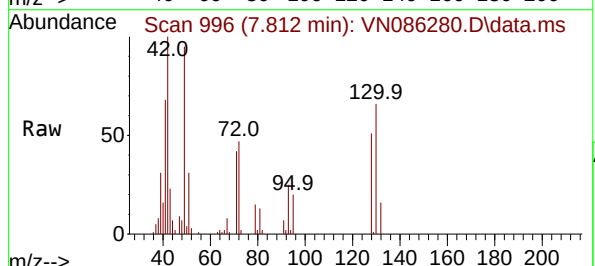
Tgt Ion: 49 Resp: 40391

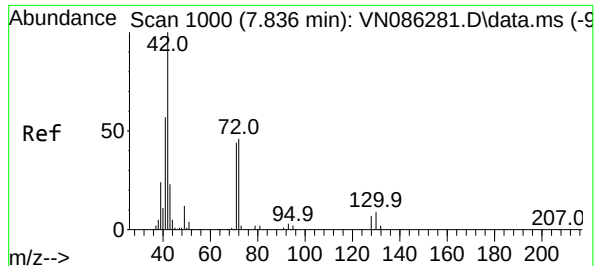
Ion Ratio Lower Upper

49 100

129 1.3 0.0 3.4

130 71.2 57.1 85.7





#29

Tetrahydrofuran

Concen: 104.008 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 42 Resp: 136348

Ion Ratio Lower Upper

42 100

72 45.1 36.2 54.4

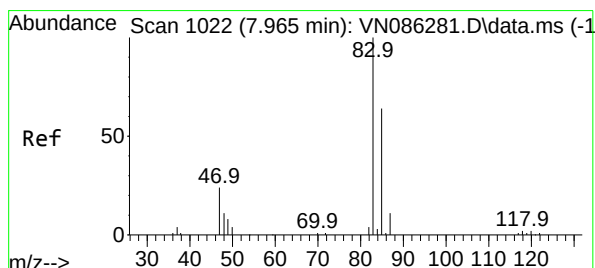
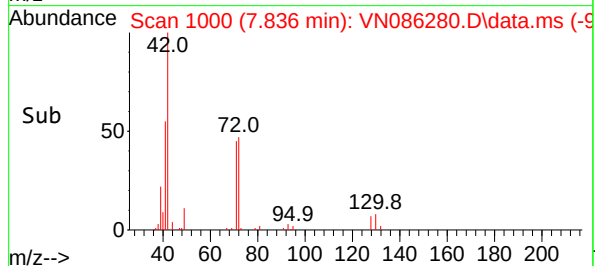
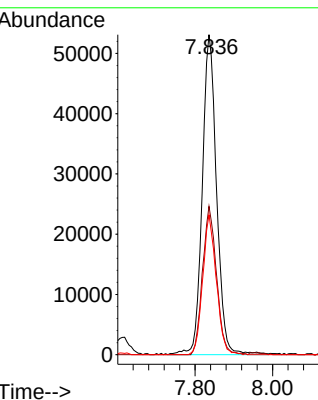
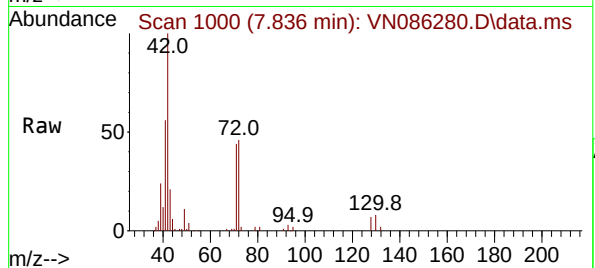
71 41.3 34.0 51.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#30

Chloroform

Concen: 20.274 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN086280.D

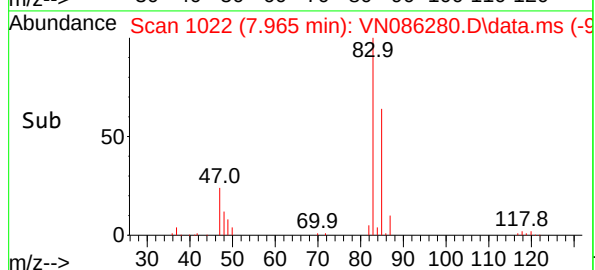
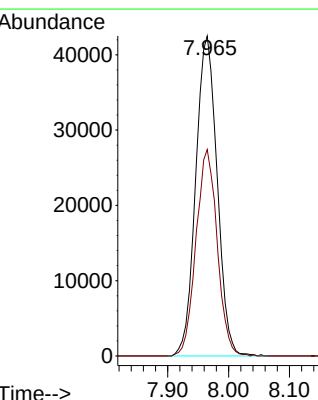
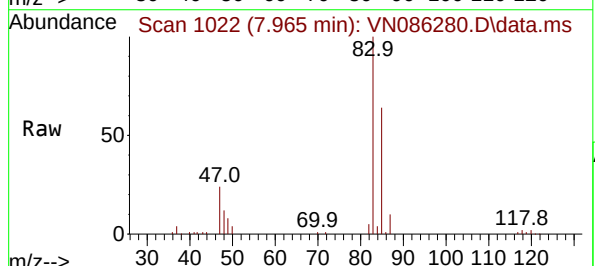
Acq: 15 Apr 2025 13:09

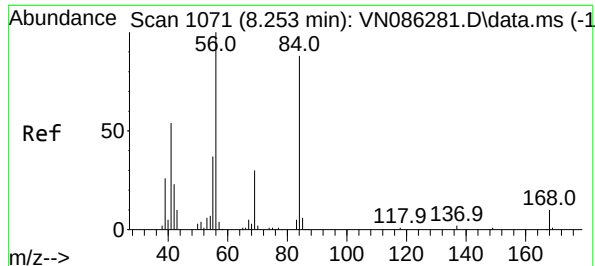
Tgt Ion: 83 Resp: 103881

Ion Ratio Lower Upper

83 100

85 64.5 51.5 77.3





#31

Cyclohexane

Concen: 19.895 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 101540

Ion Ratio Lower Upper

56 100

69 31.3 24.2 36.2

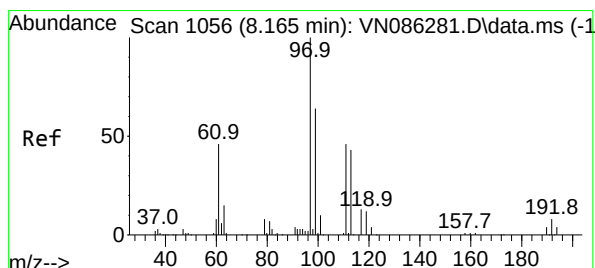
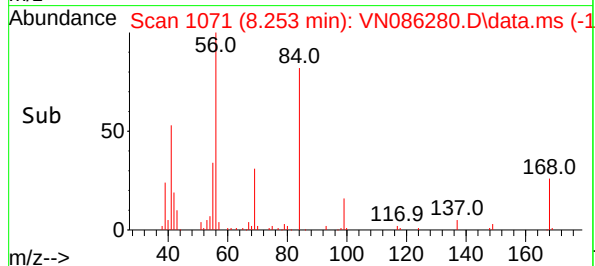
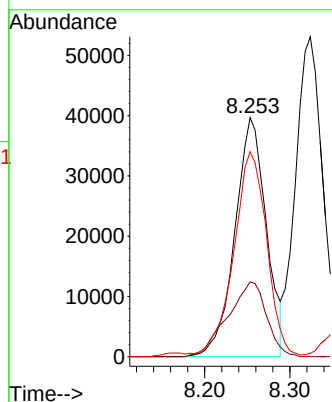
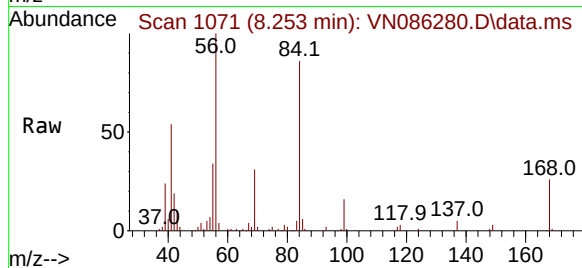
84 84.2 70.3 105.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#32

1,1,1-Trichloroethane

Concen: 20.344 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

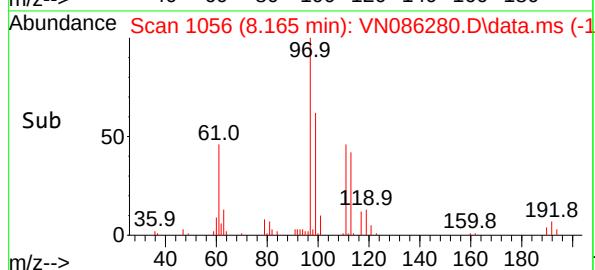
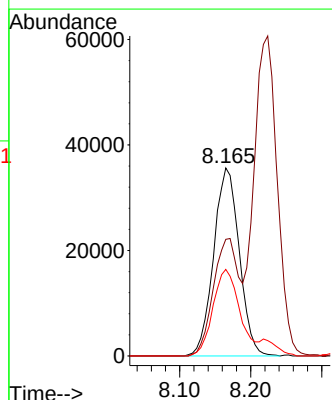
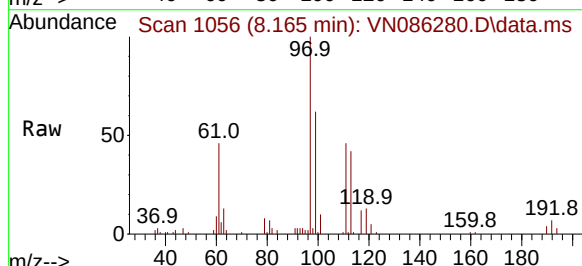
Tgt Ion: 97 Resp: 89173

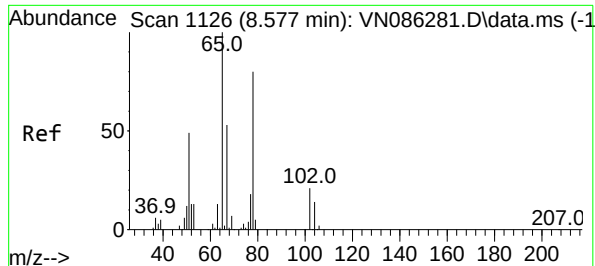
Ion Ratio Lower Upper

97 100

99 62.7 52.7 79.1

61 48.7 39.5 59.3





#33

1,2-Dichloroethane-d4

Concen: 19.513 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 61458

Ion Ratio Lower Upper

65 100

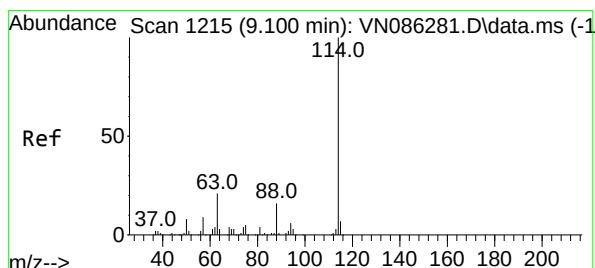
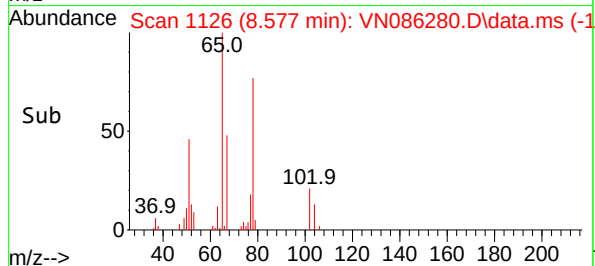
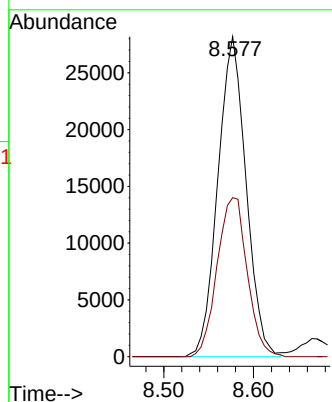
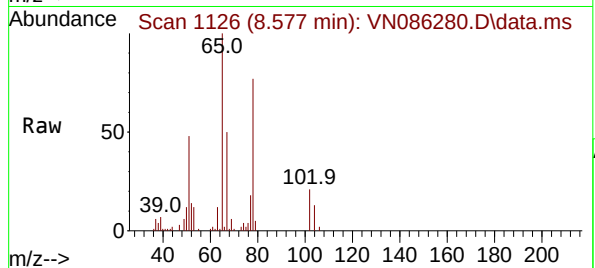
67 52.9 0.0 106.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

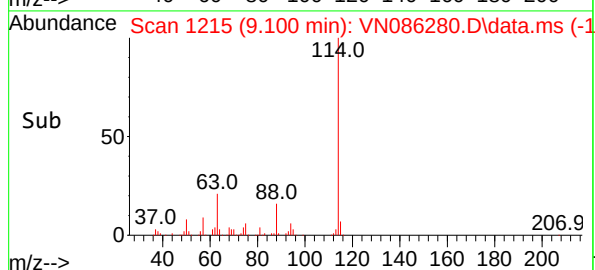
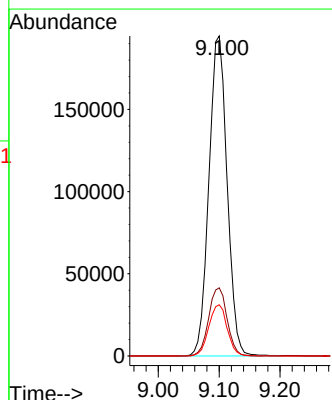
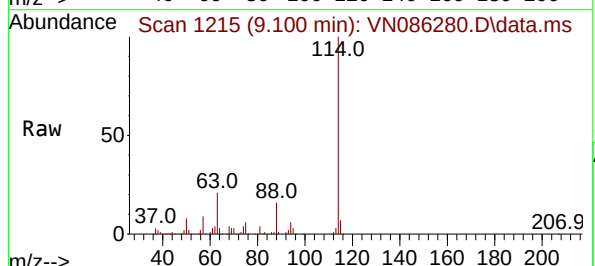
Tgt Ion:114 Resp: 404366

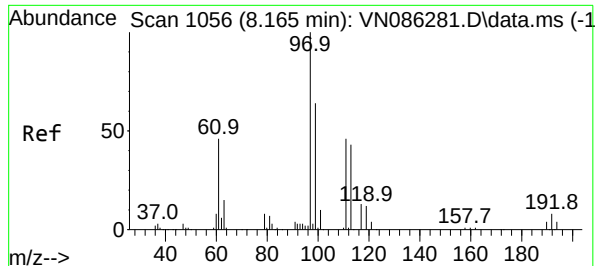
Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.6

88 16.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 19.819 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

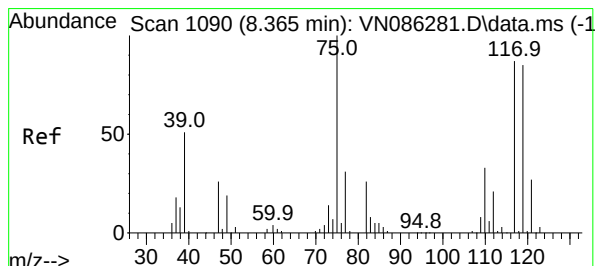
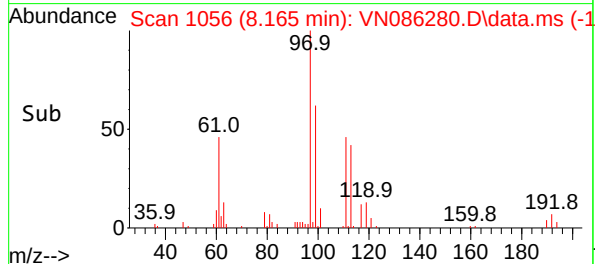
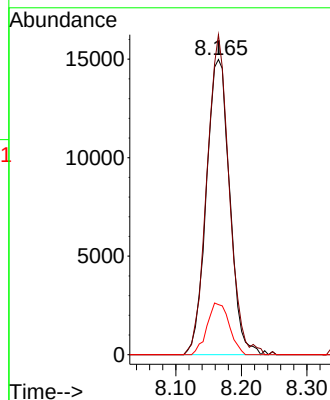
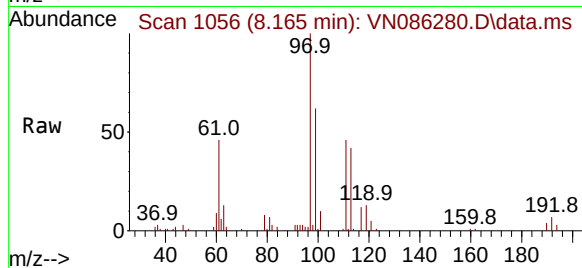
Tgt Ion:	113	Resp:	3719
Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.4	125.0
192	16.5	13.7	20.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#36

1,1-Dichloropropene

Concen: 20.122 ug/l

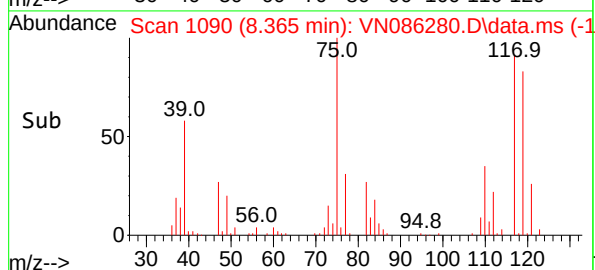
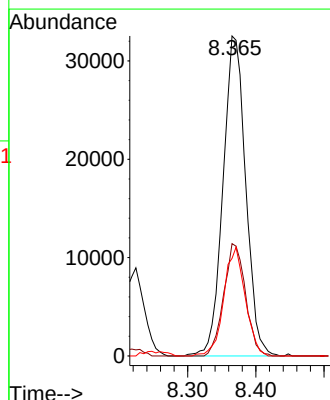
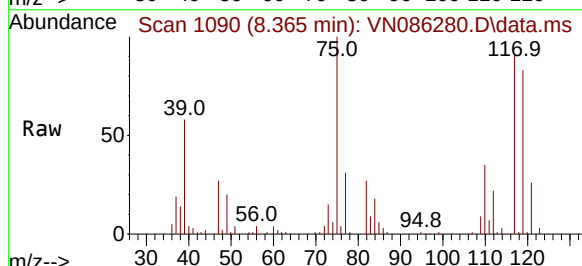
RT: 8.365 min Scan# 1090

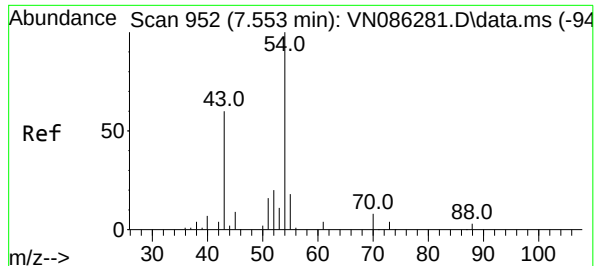
Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

Tgt Ion:	75	Resp:	75426
Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.8	50.4
77	32.0	24.9	37.3





#37

Ethyl Acetate

Concen: 20.115 ug/l

RT: 7.553 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

Instrument :

MSVOA_N

ClientSampleId :

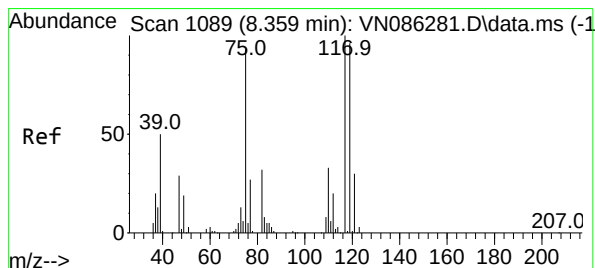
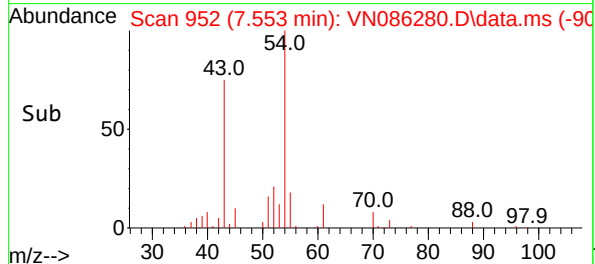
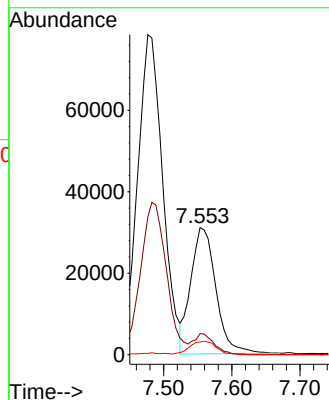
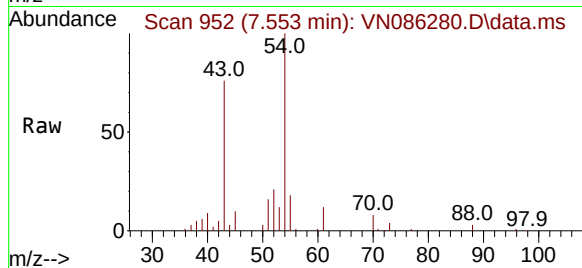
VSTDICC020

Tgt Ion:	43	Resp:	7938
Ion Ratio	Lower	Upper	
43	100		
61	13.7	11.1	16.7
70	11.2	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#38

Carbon Tetrachloride

Concen: 20.367 ug/l

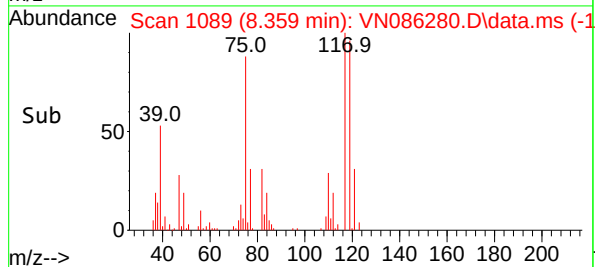
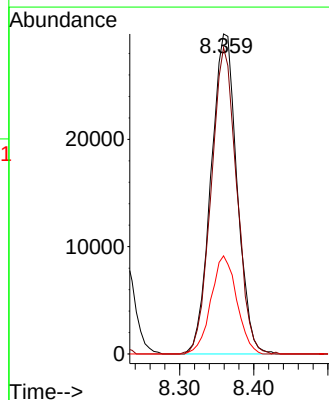
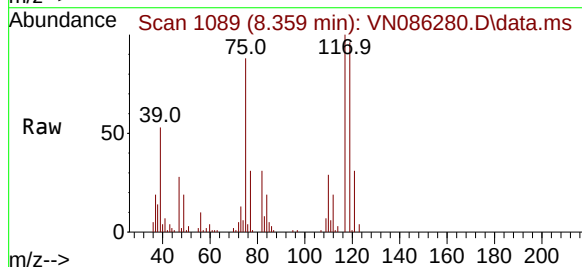
RT: 8.359 min Scan# 1089

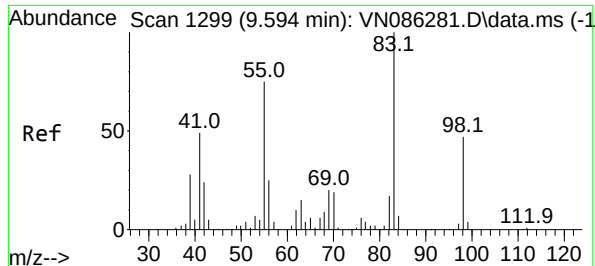
Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

Tgt Ion:	117	Resp:	72704
Ion Ratio	Lower	Upper	
117	100		
119	95.7	76.8	115.2
121	30.7	23.8	35.8





#39

Methylcyclohexane

Concen: 19.915 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

Instrument :

MSVOA_N

ClientSampleId :

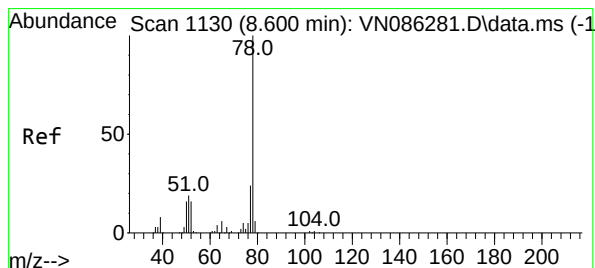
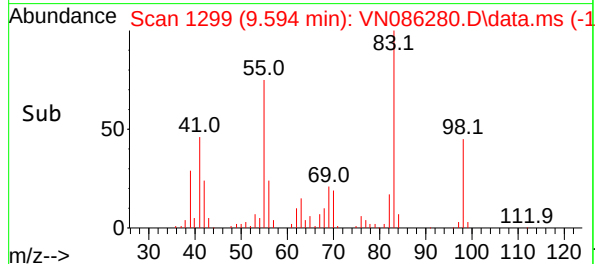
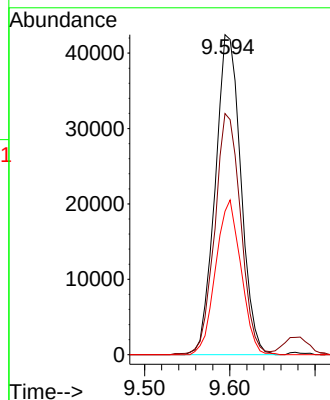
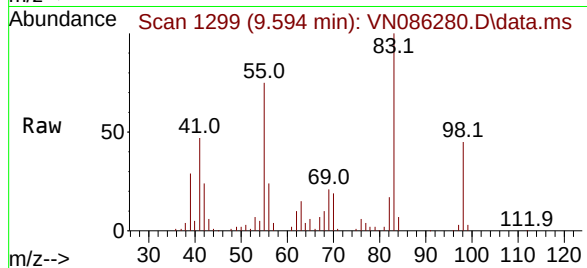
VSTDIC020

Tgt Ion	83	Resp	88728
Ion Ratio	Lower	Upper	
83	100		
55	75.0	59.8	89.8
98	44.8	37.9	56.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#40

Benzene

Concen: 20.310 ug/l

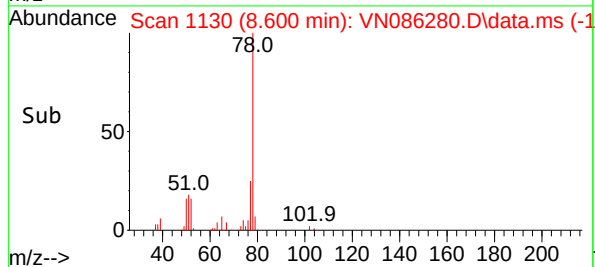
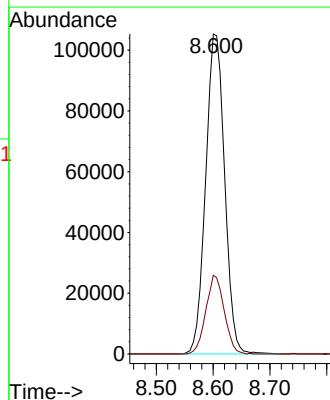
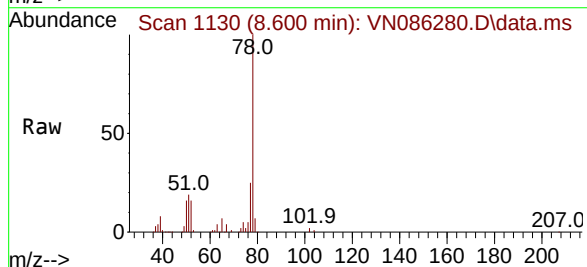
RT: 8.600 min Scan# 1130

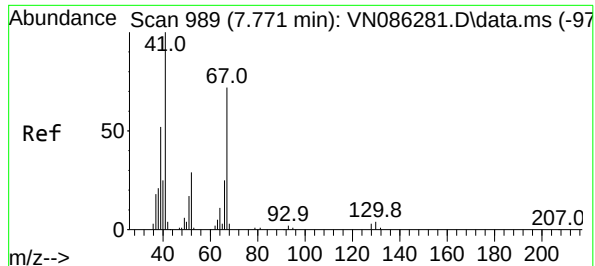
Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

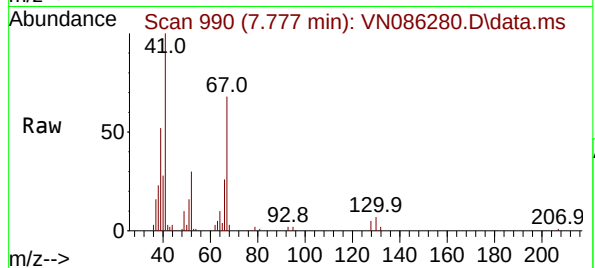
Tgt Ion	78	Resp	243918
Ion Ratio	Lower	Upper	
78	100		
77	24.6	19.4	29.2





#41
Methacrylonitrile
Concen: 20.007 ug/l
RT: 7.777 min Scan# 989
Delta R.T. 0.006 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

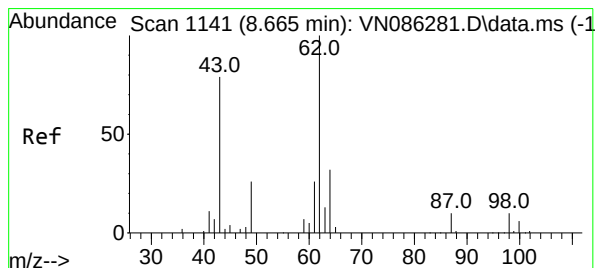
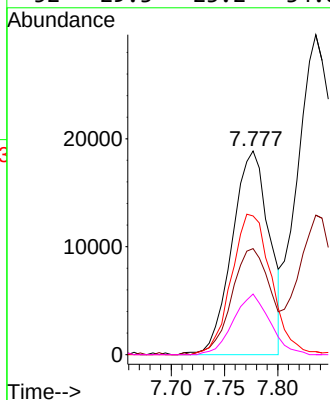
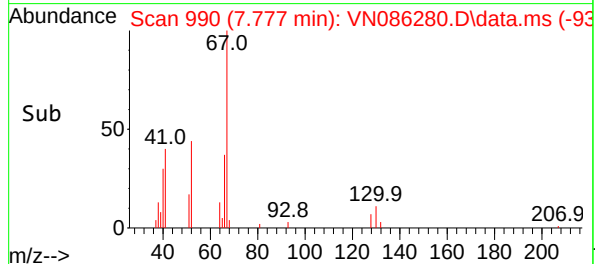
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 41 Resp: 45760
Ion Ratio Lower Upper
41 100
39 53.5 43.0 64.4
67 74.0 58.8 88.2
52 29.3 23.2 34.8

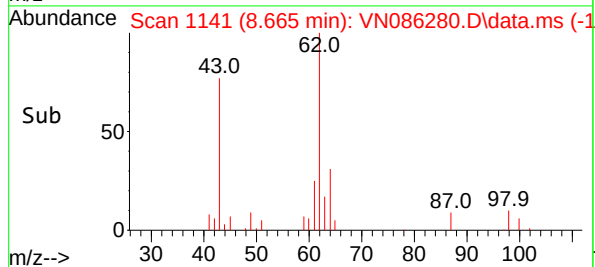
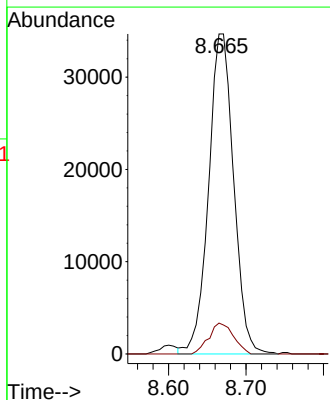
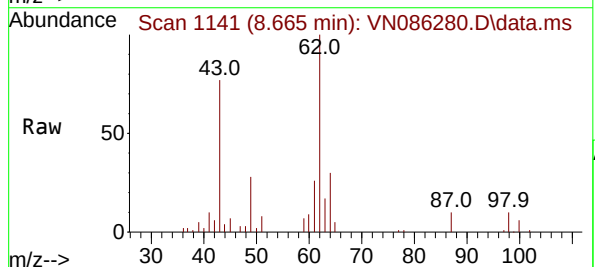
Manual Integrations
APPROVED

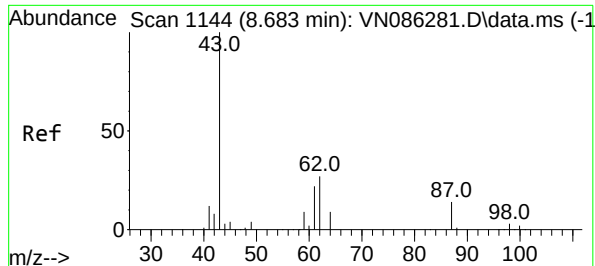
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#42
1,2-Dichloroethane
Concen: 20.348 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Tgt Ion: 62 Resp: 77932
Ion Ratio Lower Upper
62 100
98 9.5 0.0 19.2





#43

Isopropyl Acetate

Concen: 20.921 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 15775

Ion Ratio Lower Upper

43

61

87

100

24.6

12.9

20.5

10.5

30.7

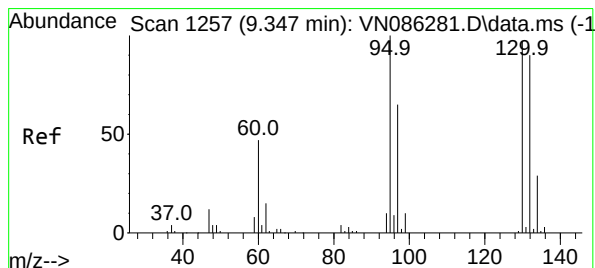
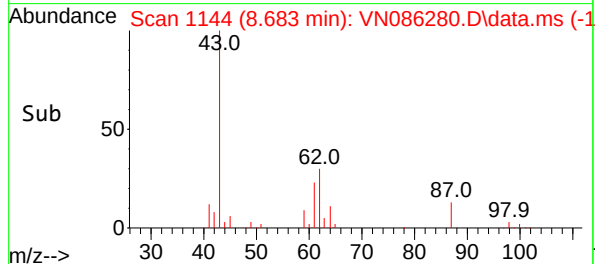
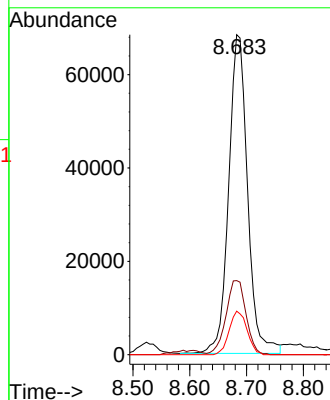
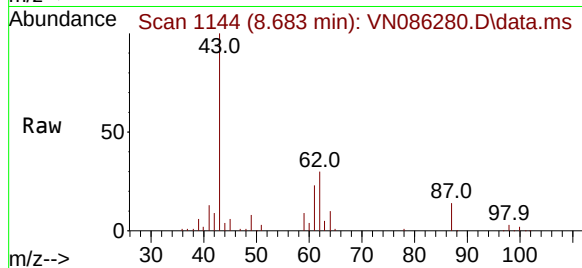
15.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#44

Trichloroethene

Concen: 19.998 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.006 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

Tgt Ion:130 Resp: 56926

Ion Ratio Lower Upper

130

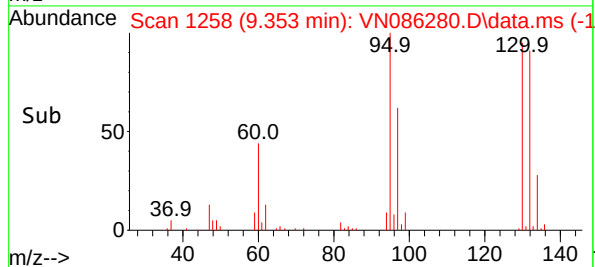
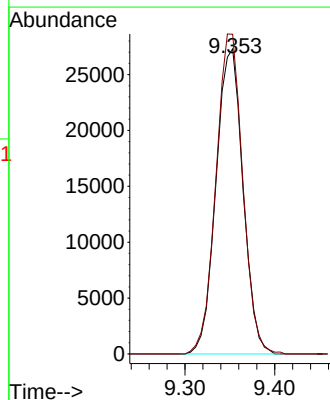
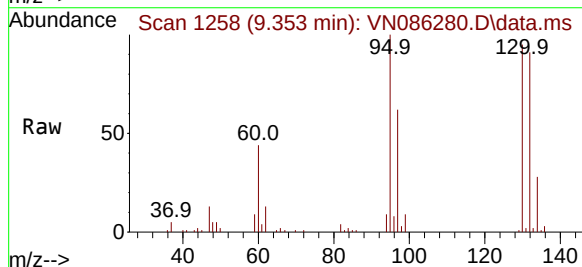
95

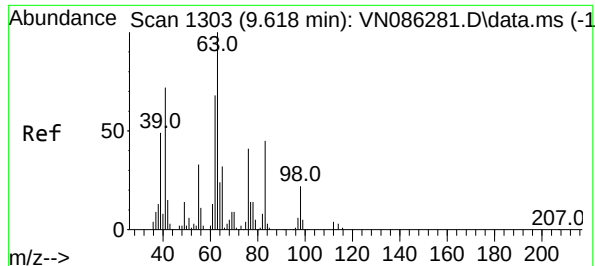
100

104.8

0.0

207.2





#45

1,2-Dichloropropane

Concen: 20.273 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 5959

Ion Ratio Lower Upper

63 100

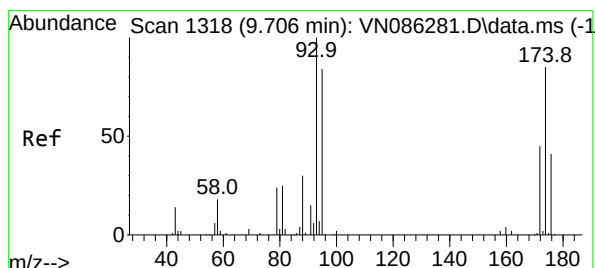
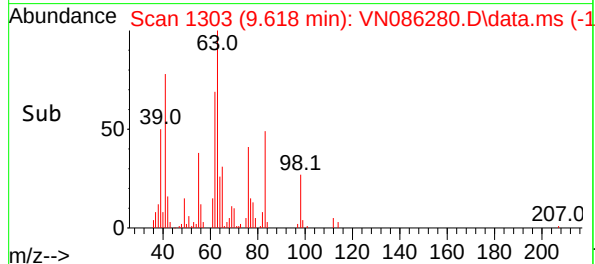
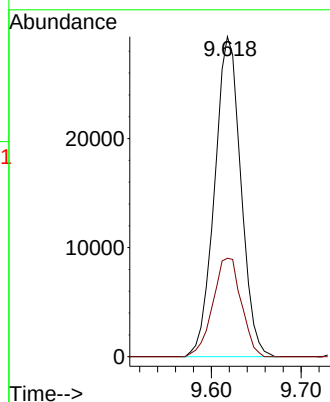
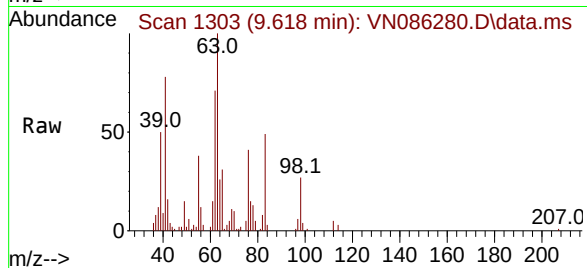
65 30.8 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#46

Dibromomethane

Concen: 20.608 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

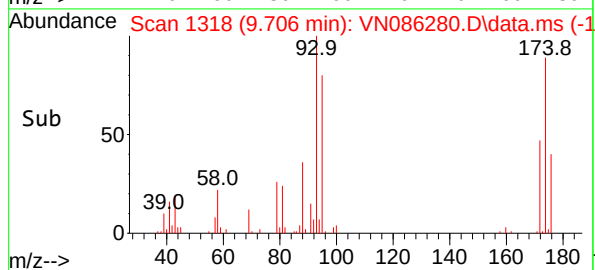
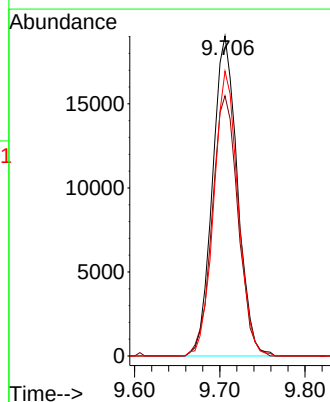
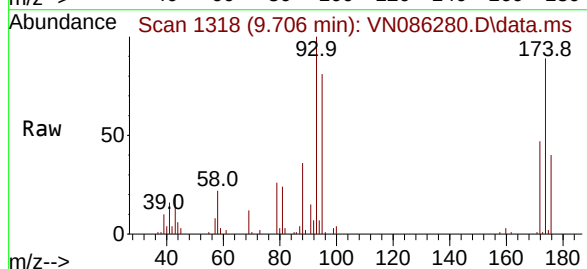
Tgt Ion: 93 Resp: 38601

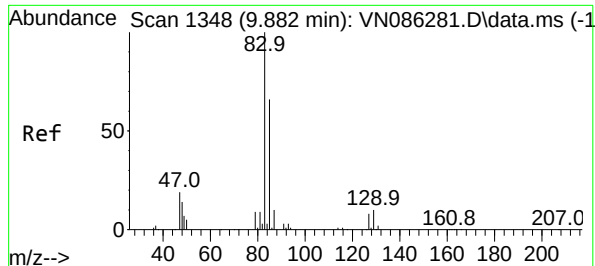
Ion Ratio Lower Upper

93 100

95 84.0 66.2 99.4

174 86.8 67.8 101.6





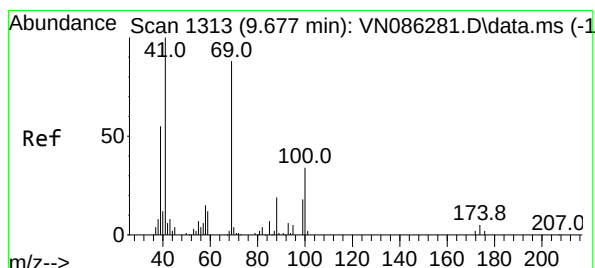
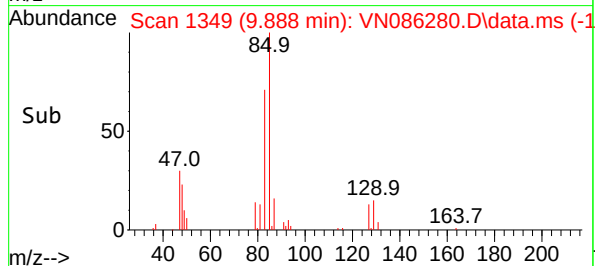
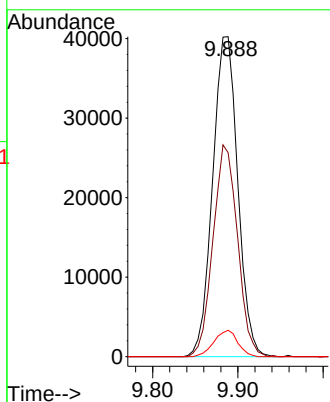
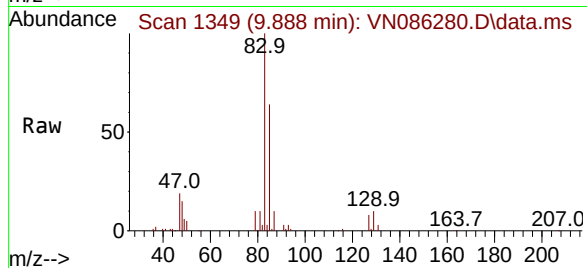
#47
Bromodichloromethane
Concen: 20.397 ug/l
RT: 9.888 min Scan# 1348
Delta R.T. 0.006 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 8251
Ion Ratio Lower Upper
83 100
85 63.7 52.6 78.8
127 8.2 6.1 9.1

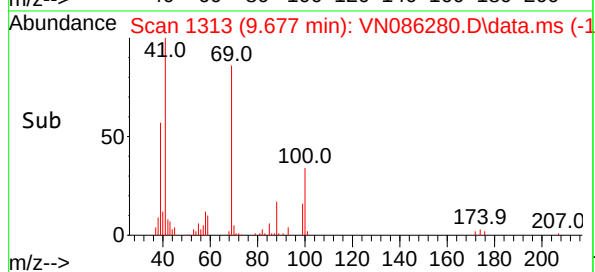
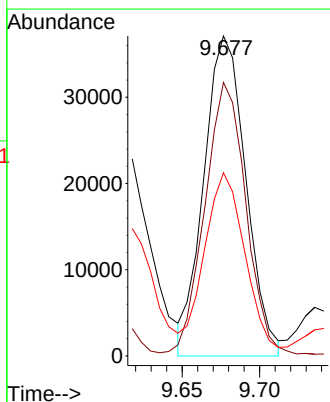
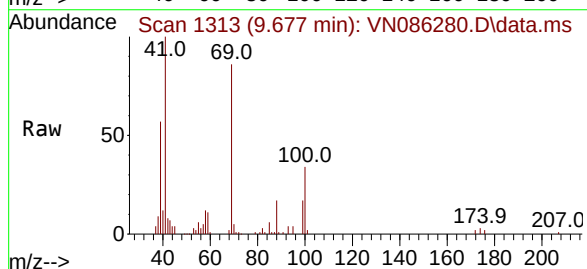
Manual Integrations
APPROVED

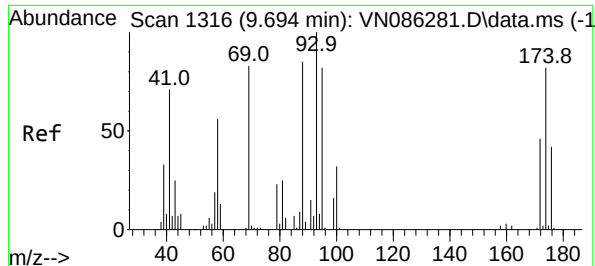
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#48
Methyl methacrylate
Concen: 20.195 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Tgt Ion: 41 Resp: 69986
Ion Ratio Lower Upper
41 100
69 84.6 68.2 102.2
39 56.1 45.2 67.8





#49

1,4-Dioxane

Concen: 413.277 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 88 Resp: 24362

Ion Ratio Lower Upper

88 100

43 27.3 23.8 35.8

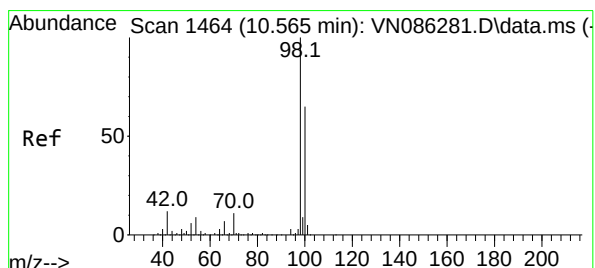
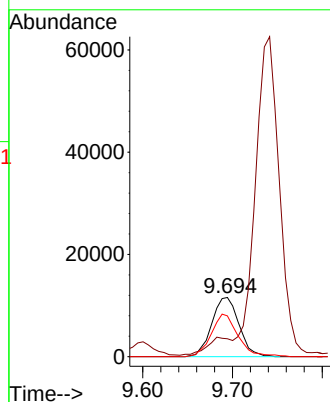
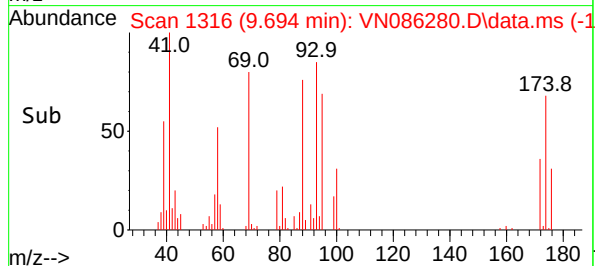
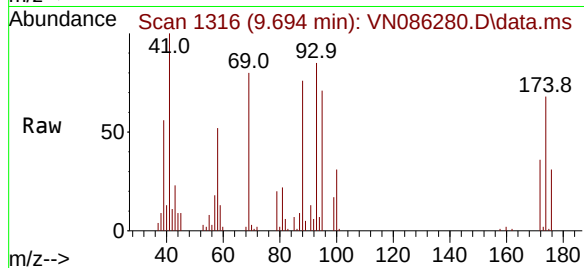
58 71.1 57.4 86.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#50

Toluene-d8

Concen: 19.112 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN086280.D

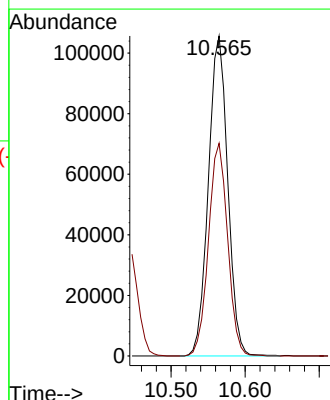
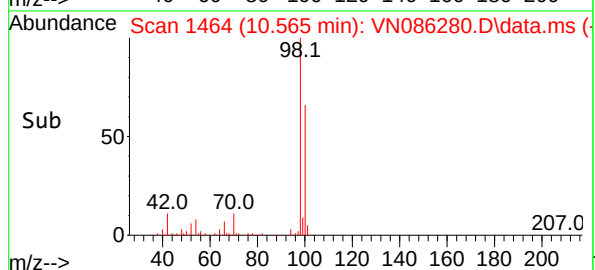
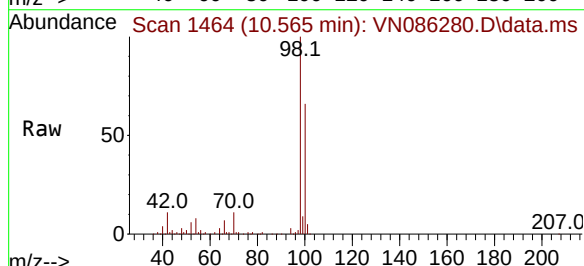
Acq: 15 Apr 2025 13:09

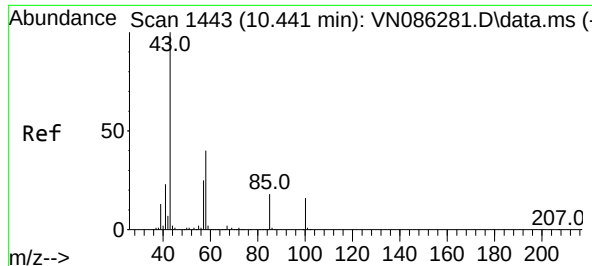
Tgt Ion: 98 Resp: 191691

Ion Ratio Lower Upper

98 100

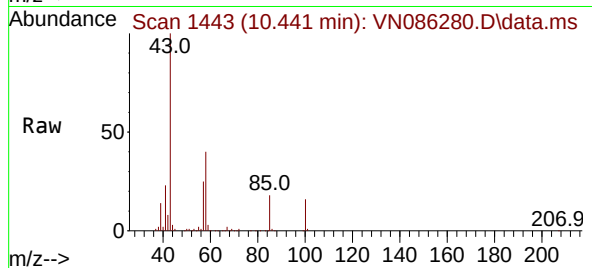
100 65.7 52.5 78.7





#51
4-Methyl-2-Pentanone
Concen: 104.297 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

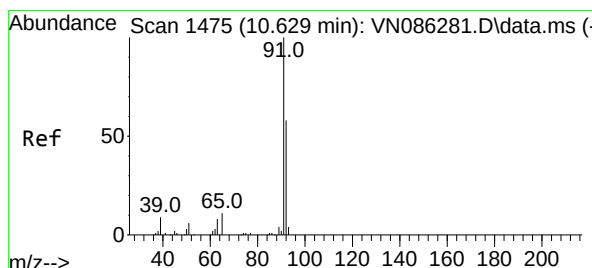
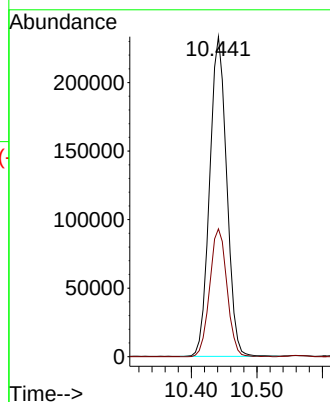
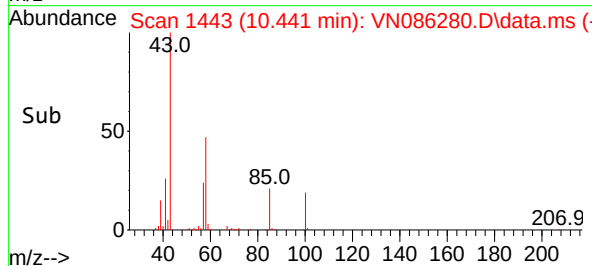
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 43 Resp: 42147
Ion Ratio Lower Upper
43 100
58 40.5 32.2 48.4

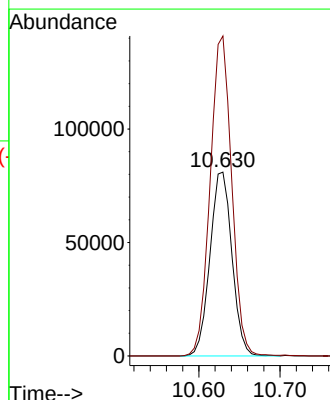
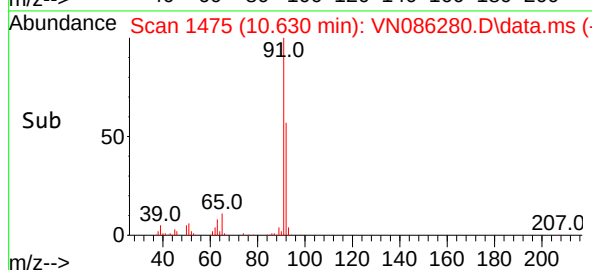
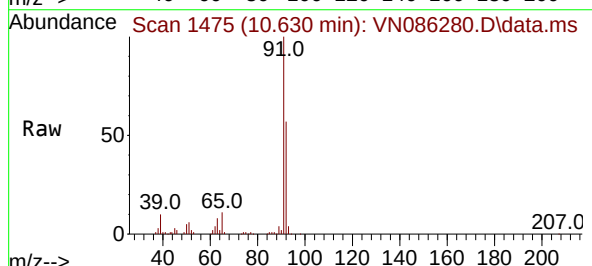
Manual Integrations
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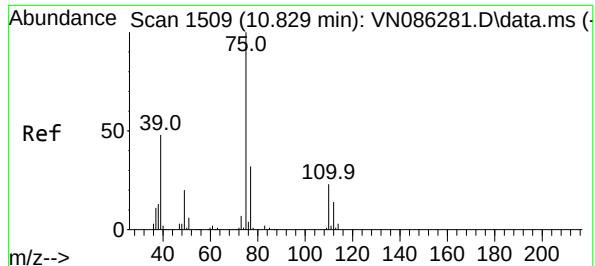
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#52
Toluene
Concen: 20.317 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

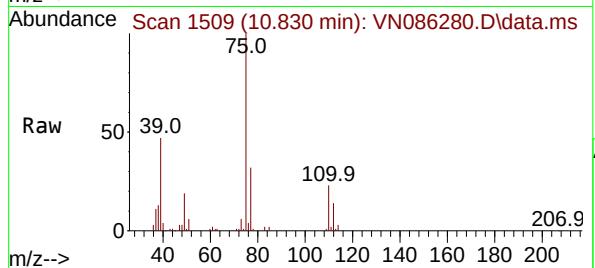
Tgt Ion: 92 Resp: 152248
Ion Ratio Lower Upper
92 100
91 170.4 137.3 205.9





#53
t-1,3-Dichloropropene
Concen: 20.470 ug/l
RT: 10.830 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

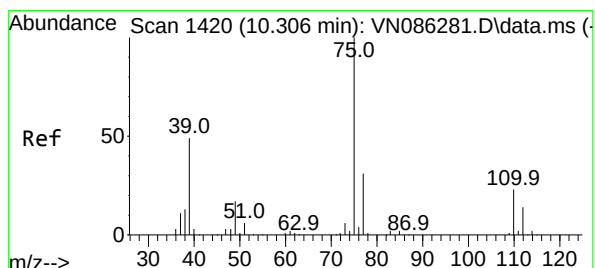
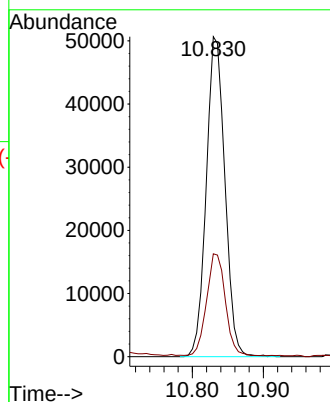
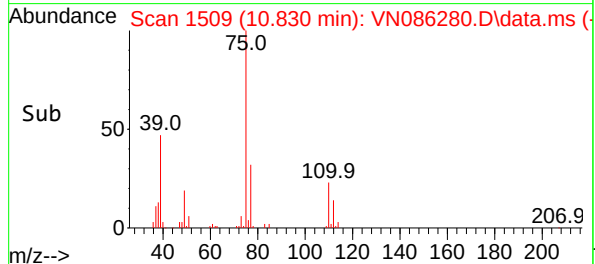
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion: 75 Resp: 9244
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.0

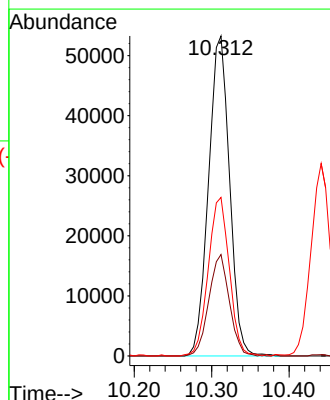
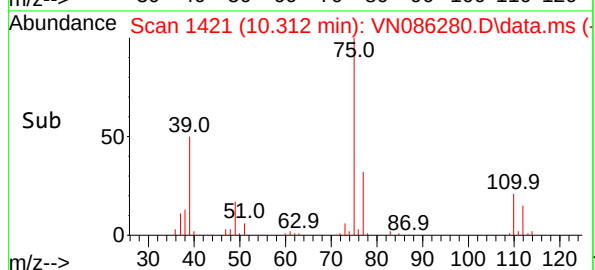
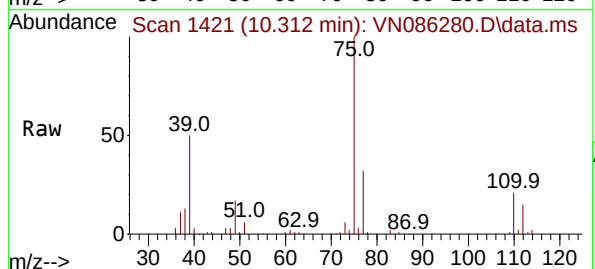
Manual Integrations
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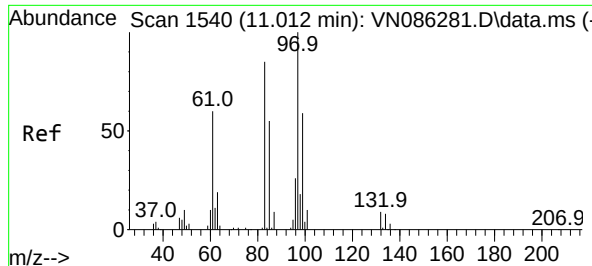
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#54
cis-1,3-Dichloropropene
Concen: 20.245 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Tgt Ion: 75 Resp: 100415
Ion Ratio Lower Upper
75 100
77 31.7 25.2 37.8
39 49.5 39.3 58.9





#55

1,1,2-Trichloroethane

Concen: 19.891 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 53630

Ion Ratio Lower Upper

97 100

83 89.0 68.4 102.6

85 56.2 43.9 65.9

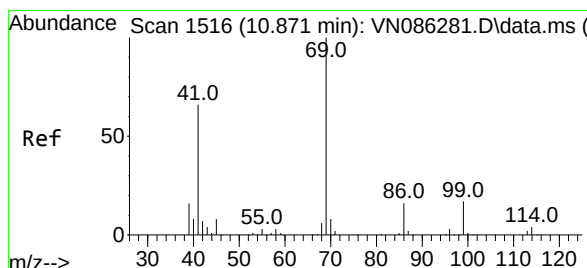
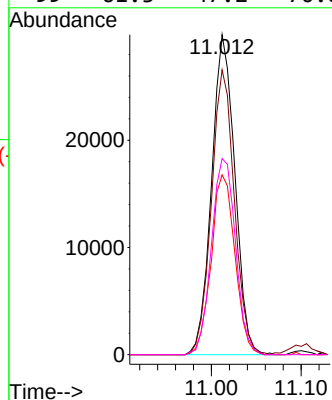
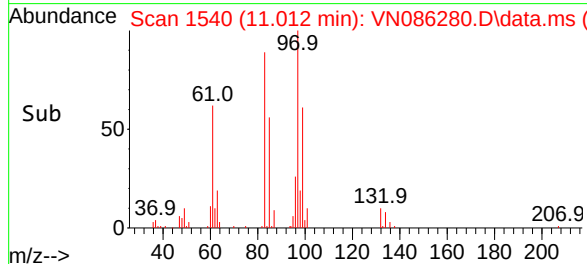
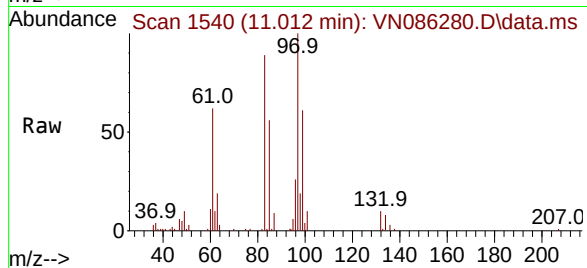
99 61.3 47.2 70.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#56

Ethyl methacrylate

Concen: 20.321 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

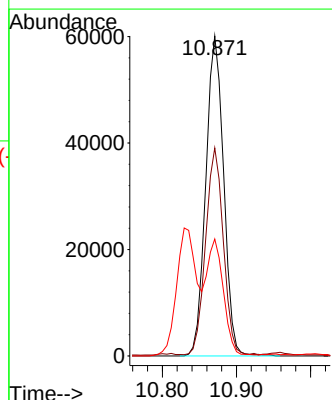
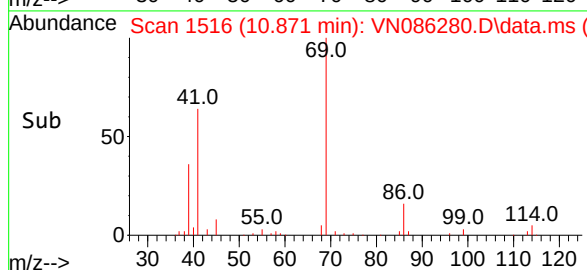
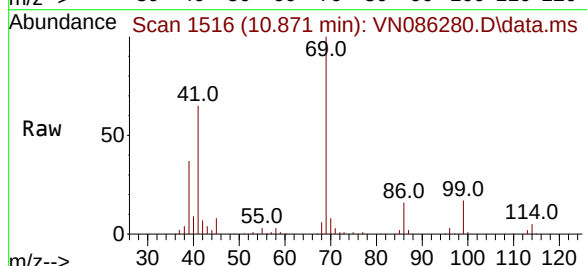
Tgt Ion: 69 Resp: 100712

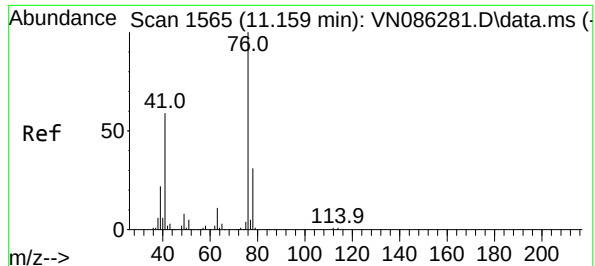
Ion Ratio Lower Upper

69 100

41 63.7 51.7 77.5

39 33.6 26.3 39.5





#57

1,3-Dichloropropane

Concen: 20.353 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 76 Resp: 9736

Ion Ratio Lower Upper

76 100

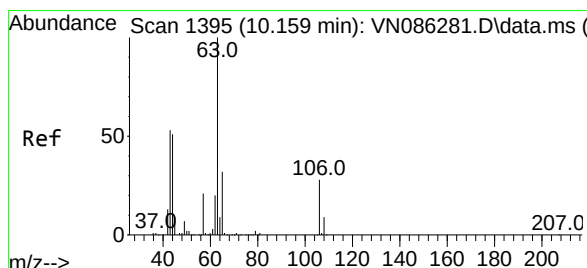
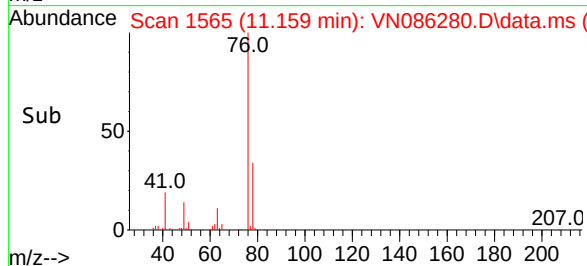
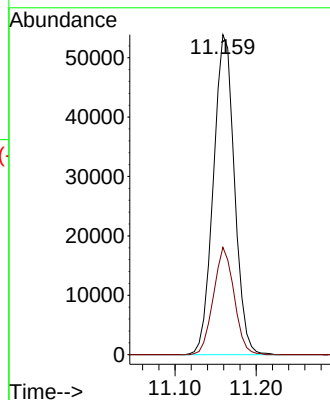
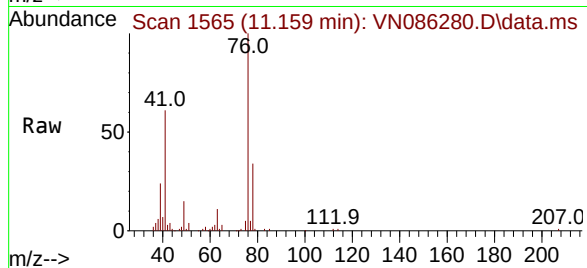
78 32.8 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#58

2-Chloroethyl Vinyl ether

Concen: 94.702 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN086280.D

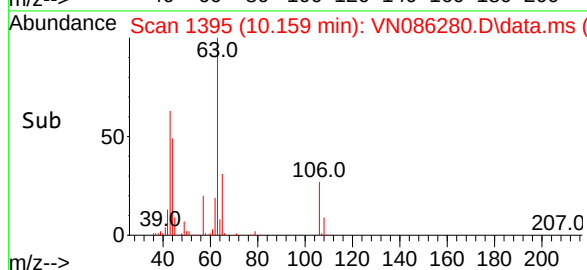
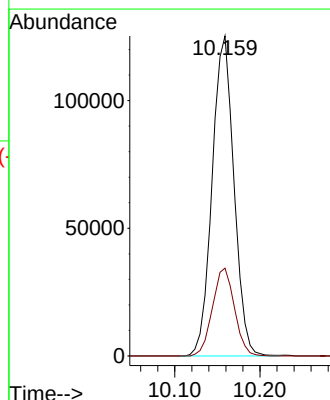
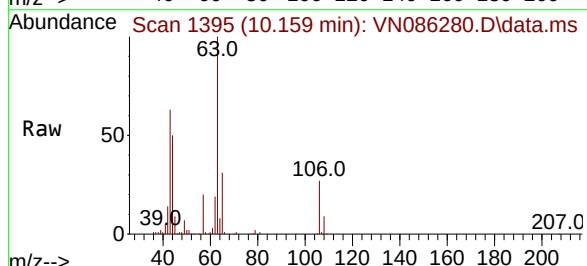
Acq: 15 Apr 2025 13:09

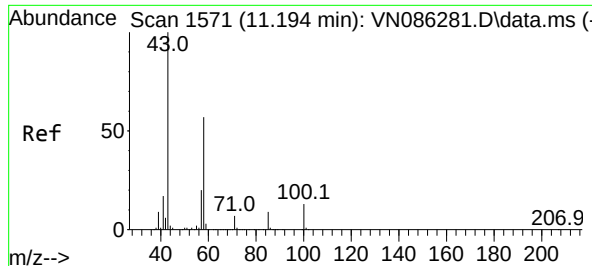
Tgt Ion: 63 Resp: 222766

Ion Ratio Lower Upper

63 100

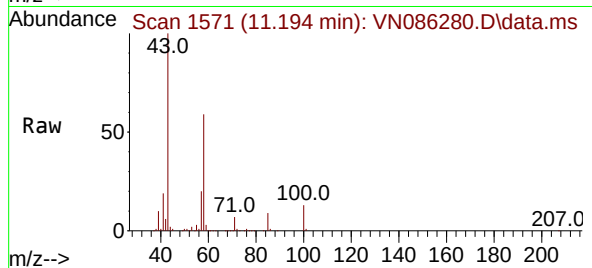
106 27.6 22.2 33.2





#59
2-Hexanone
Concen: 103.408 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

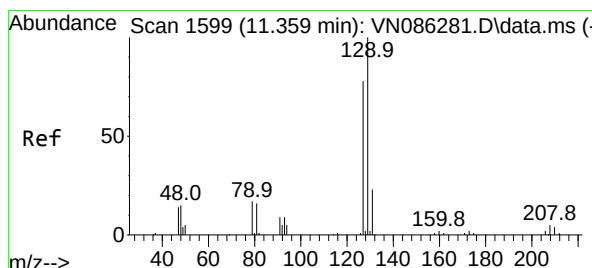
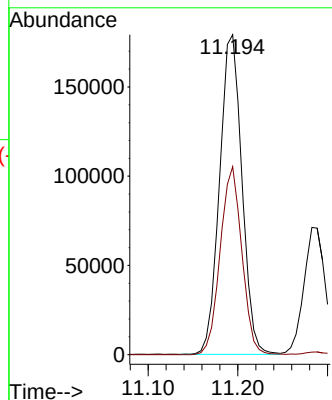
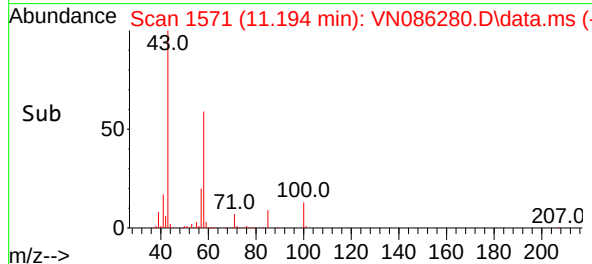
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 43 Resp: 309954
Ion Ratio Lower Upper
43 100
58 56.9 28.3 85.0

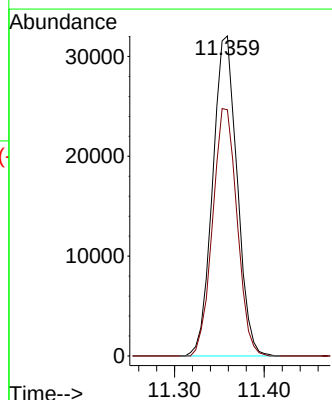
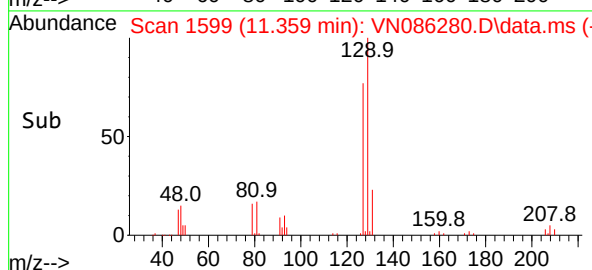
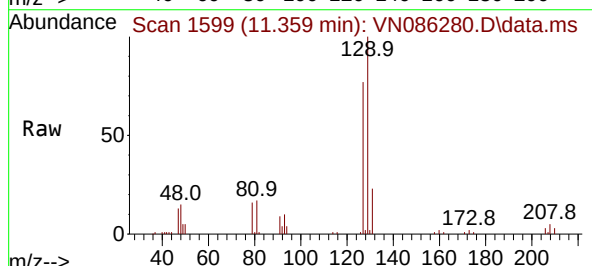
Manual Integrations
APPROVED

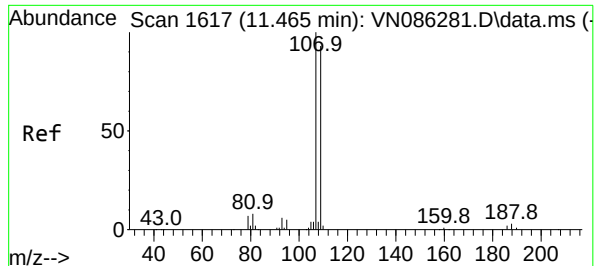
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#60
Dibromochloromethane
Concen: 20.467 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Tgt Ion:129 Resp: 60596
Ion Ratio Lower Upper
129 100
127 77.3 38.7 116.1





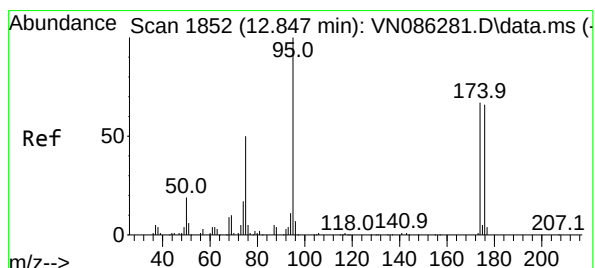
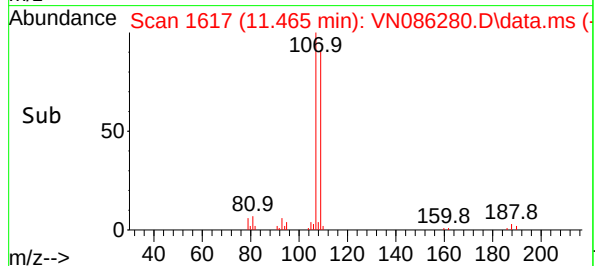
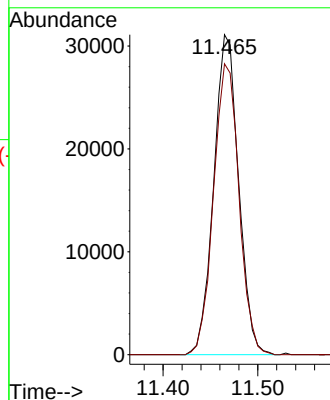
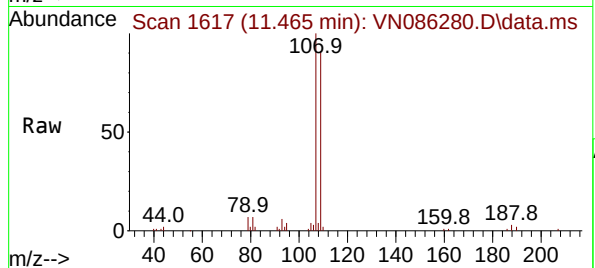
#61
1,2-Dibromoethane
Concen: 20.834 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:107 Resp: 56679
Ion Ratio Lower Upper
107 100
109 93.2 75.4 113.0

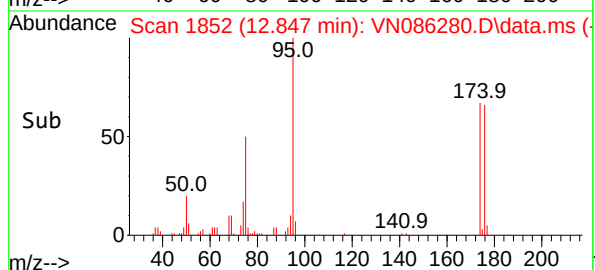
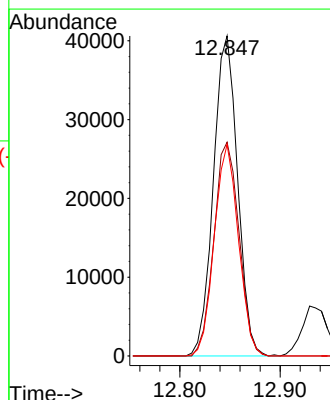
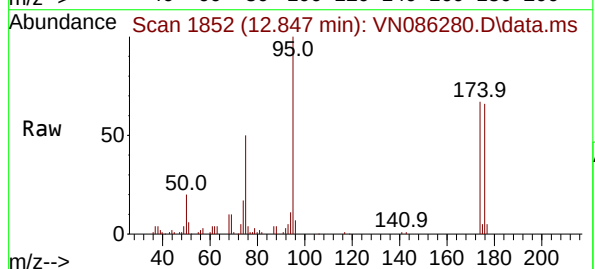
Manual Integrations
APPROVED

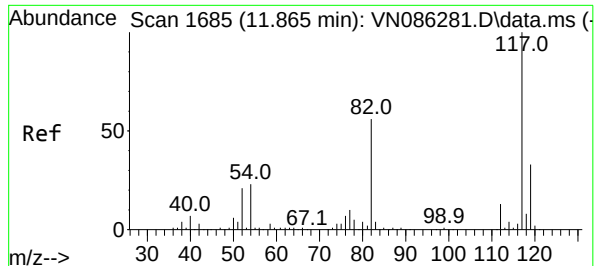
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#62
4-Bromofluorobenzene
Concen: 18.596 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

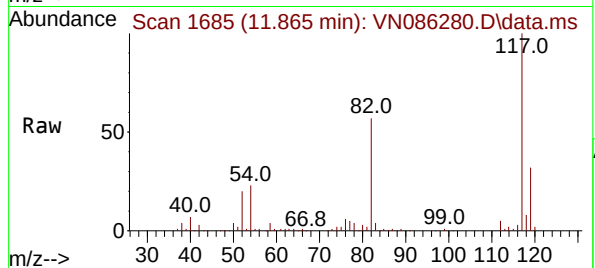
Tgt Ion: 95 Resp: 68030
Ion Ratio Lower Upper
95 100
174 69.5 0.0 133.4
176 66.0 0.0 129.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

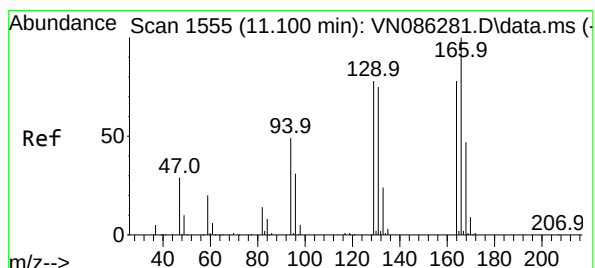
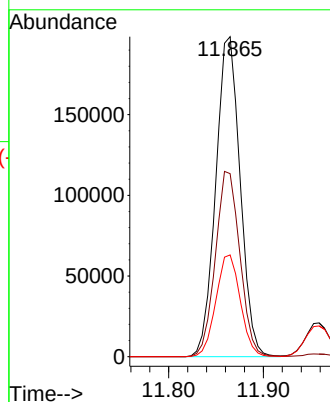
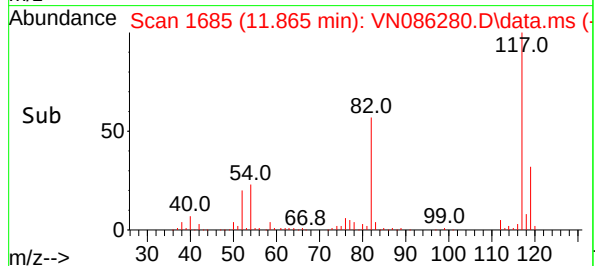
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion:117 Resp: 355620
Ion Ratio Lower Upper
117 100
82 57.2 44.7 67.1
119 31.8 26.4 39.6

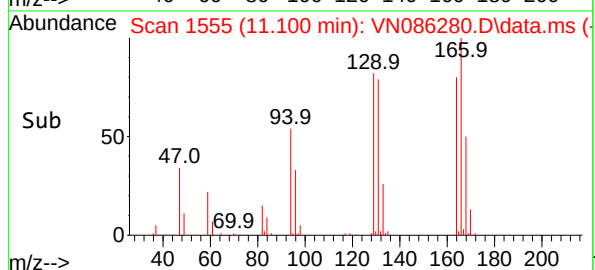
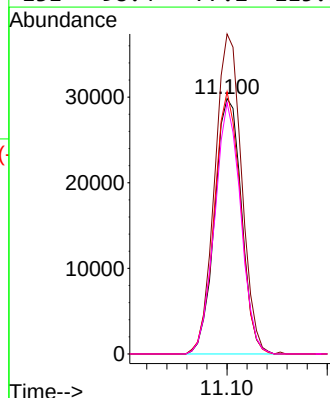
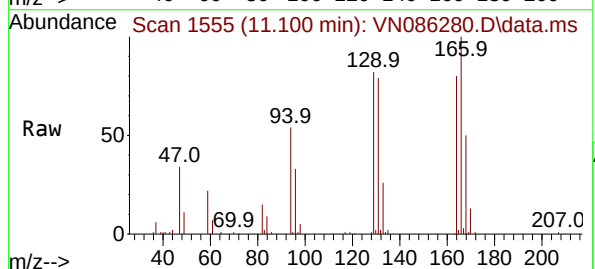
Manual Integrations
APPROVED

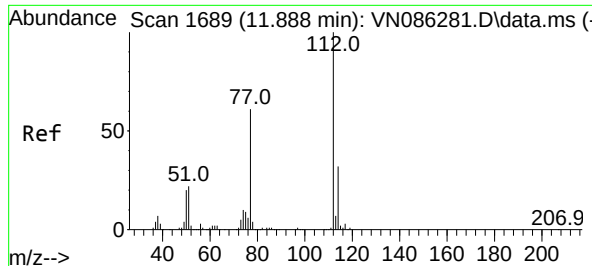
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#64
Tetrachloroethene
Concen: 20.282 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

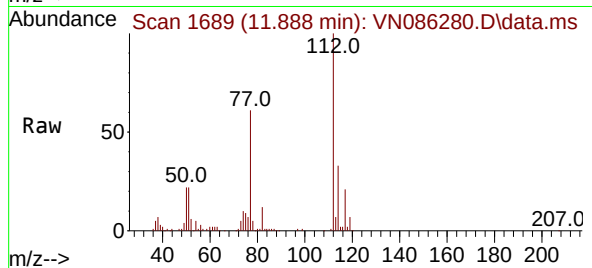
Tgt Ion:164 Resp: 55481
Ion Ratio Lower Upper
164 100
166 125.3 103.0 154.4
129 102.7 80.1 120.1
131 98.4 77.2 115.8





#65
Chlorobenzene
Concen: 20.024 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

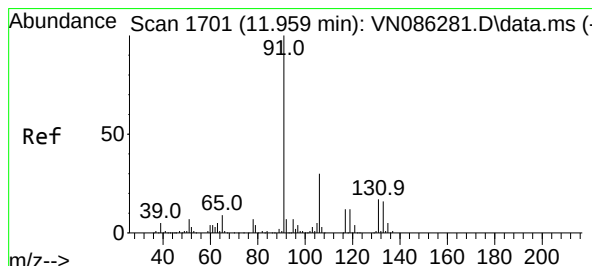
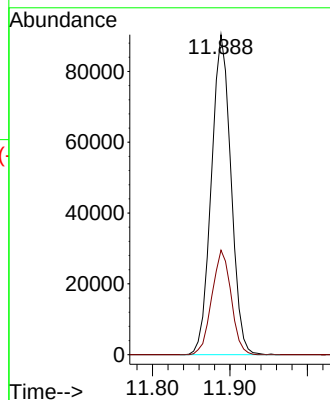
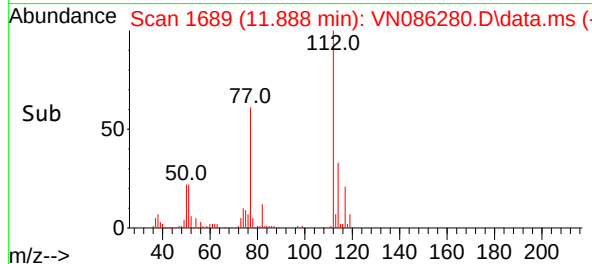
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion:112 Resp: 158917
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.0

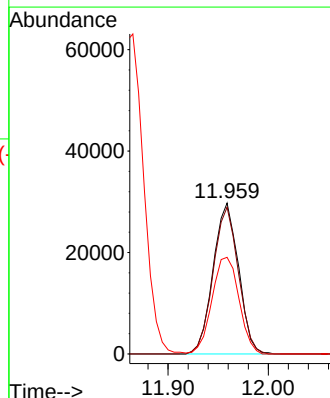
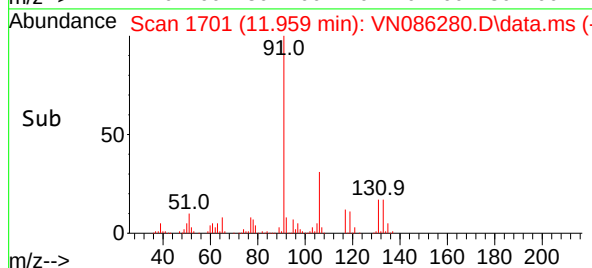
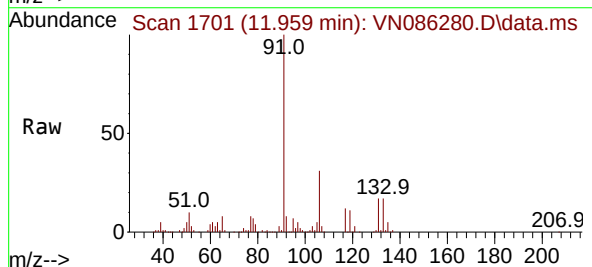
Manual Integrations
APPROVED

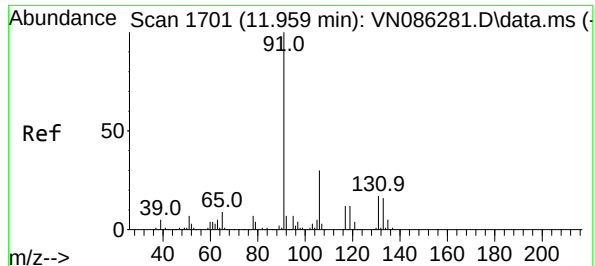
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 20.010 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Tgt Ion:131 Resp: 52389
Ion Ratio Lower Upper
131 100
133 96.9 47.1 141.3
119 68.2 33.8 101.4





#67

Ethyl Benzene

Concen: 20.144 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 28848

Ion Ratio Lower Upper

91 100

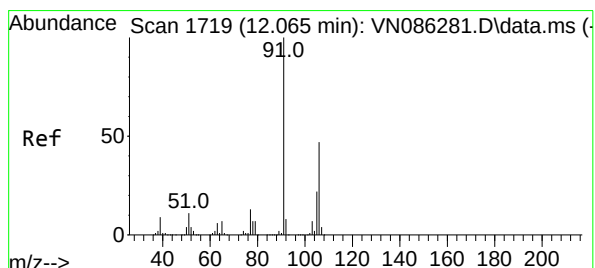
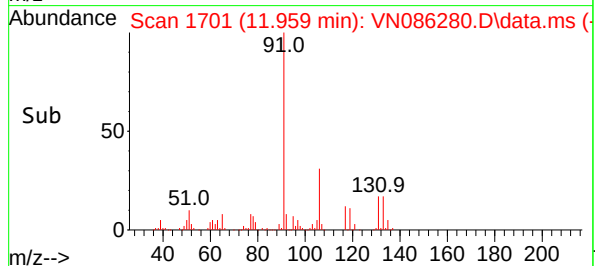
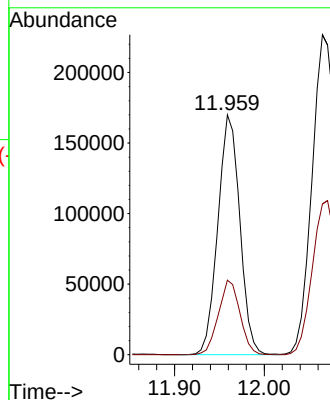
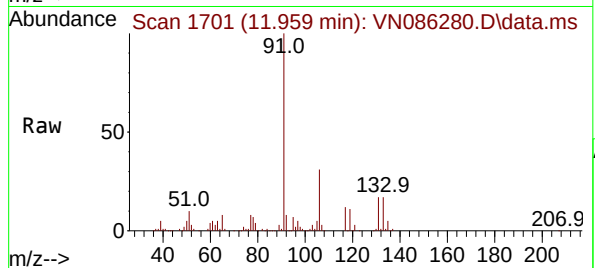
106 31.1 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#68

m/p-Xylenes

Concen: 40.122 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.006 min

Lab File: VN086280.D

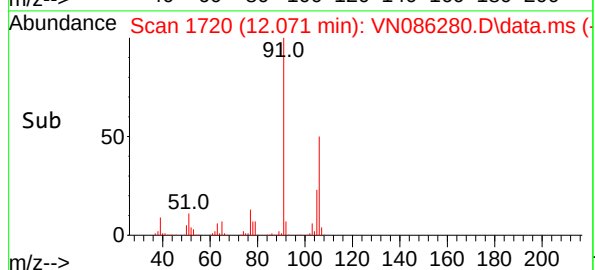
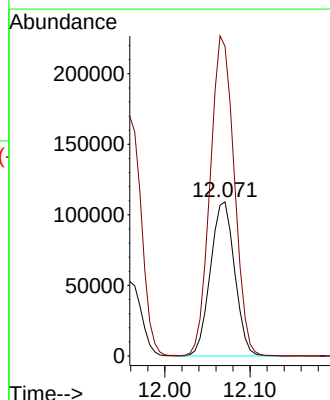
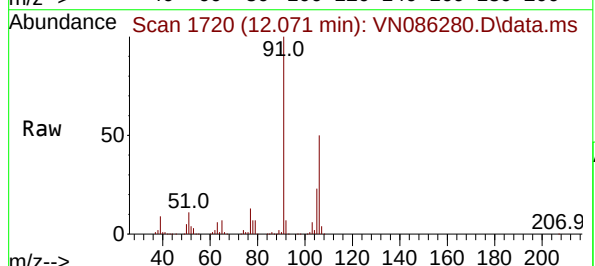
Acq: 15 Apr 2025 13:09

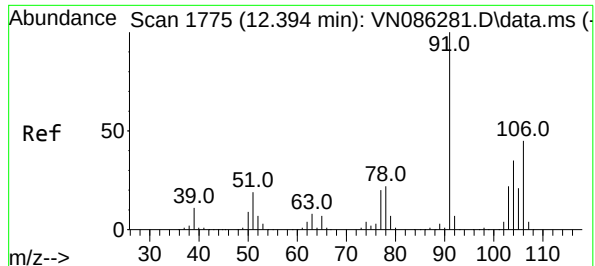
Tgt Ion:106 Resp: 215301

Ion Ratio Lower Upper

106 100

91 207.0 166.5 249.7





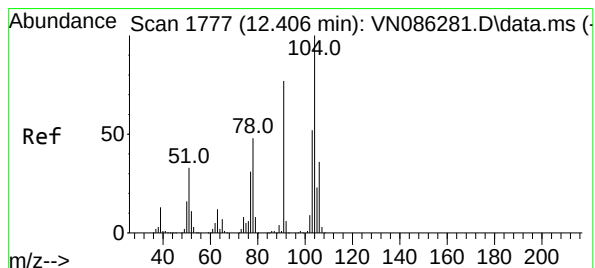
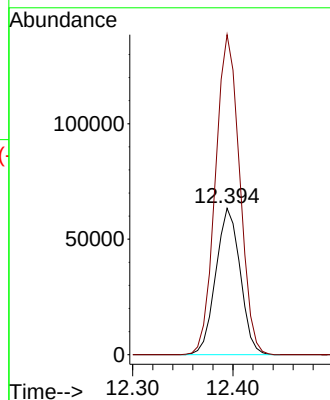
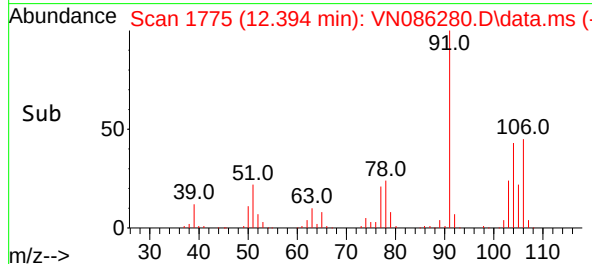
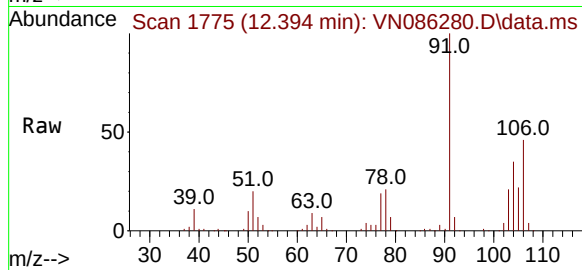
#69
o-Xylene
Concen: 20.193 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 10716
Ion Ratio Lower Upper
106 100
91 217.5 109.7 329.0

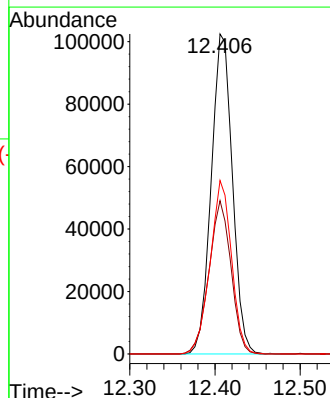
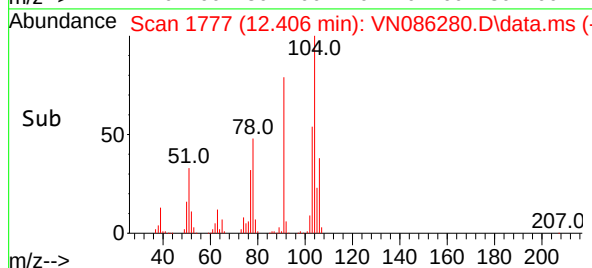
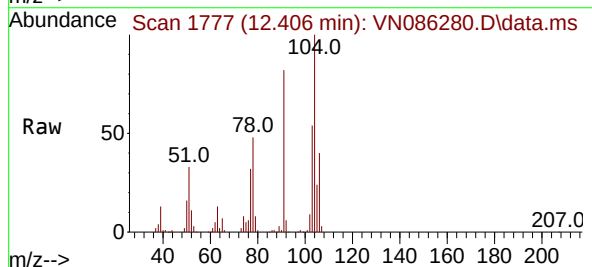
Manual Integrations
APPROVED

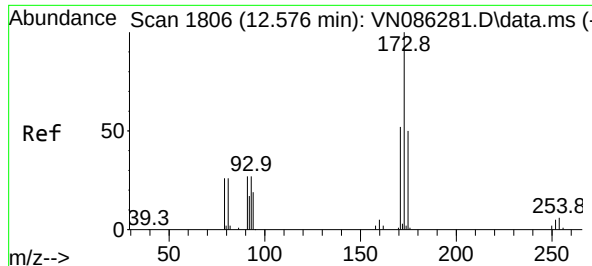
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#70
Styrene
Concen: 20.029 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

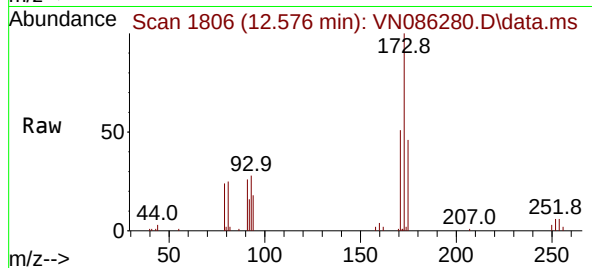
Tgt Ion:104 Resp: 177099
Ion Ratio Lower Upper
104 100
78 49.8 40.6 61.0
103 55.0 43.6 65.4





#71
Bromoform
Concen: 20.138 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

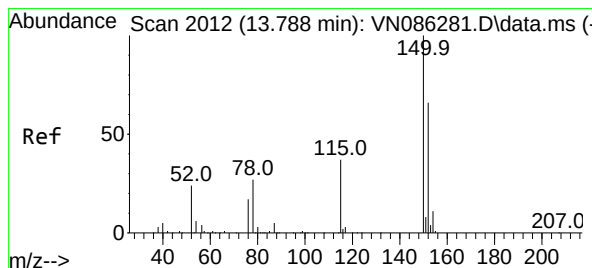
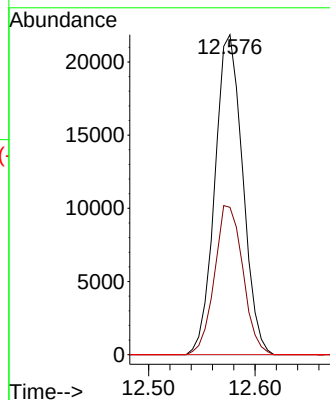
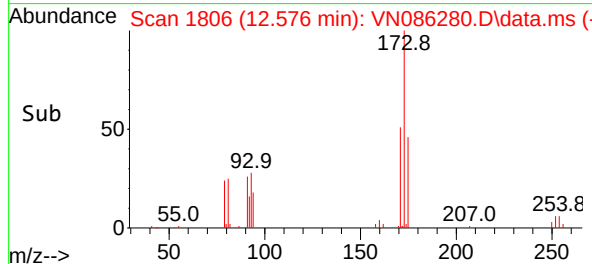
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



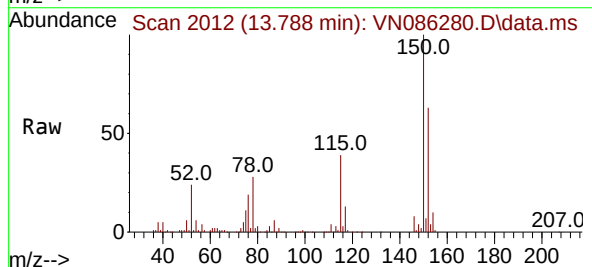
Tgt Ion:173 Resp: 3969
Ion Ratio Lower Upper
173 100
175 47.5 24.6 73.6
254 0.0 0.0 0.0

Manual Integrations
APPROVED

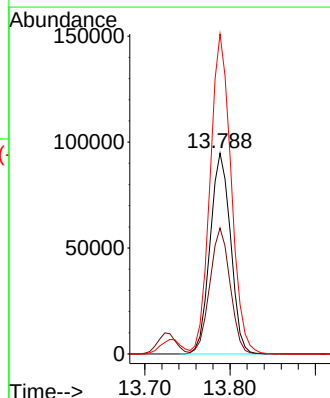
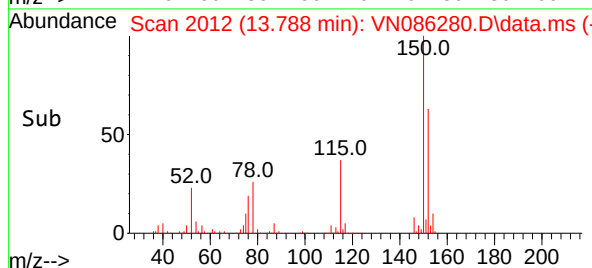
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

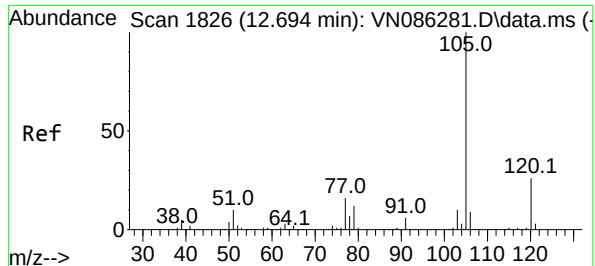


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09



Tgt Ion:152 Resp: 158232
Ion Ratio Lower Upper
152 100
115 62.3 31.9 95.9
150 163.3 0.0 352.0





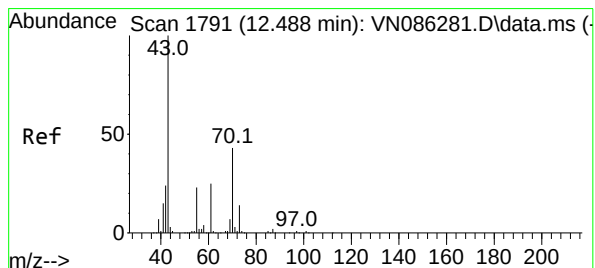
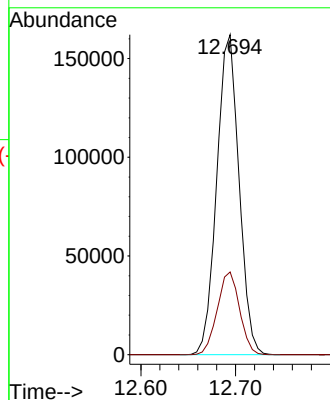
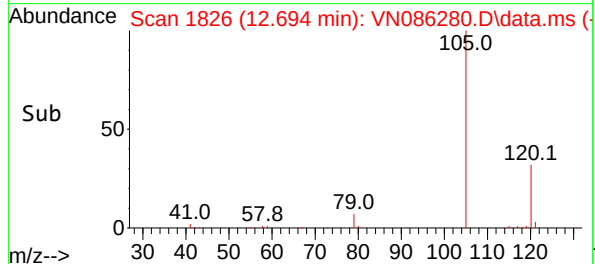
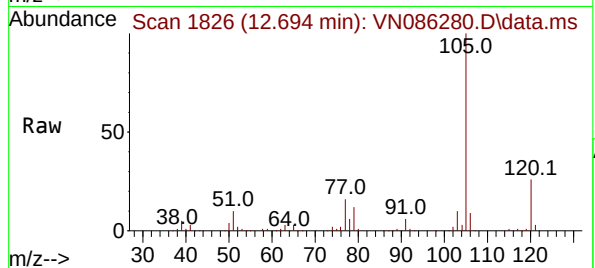
#73
Isopropylbenzene
Concen: 20.443 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 105 Resp: 26460
Ion Ratio Lower Upper
105 100
120 25.9 13.1 39.3

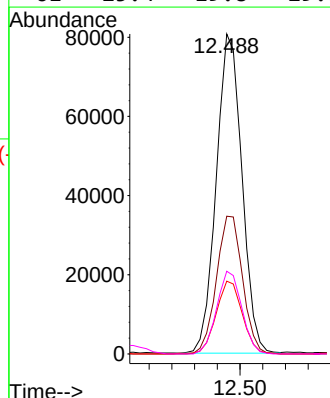
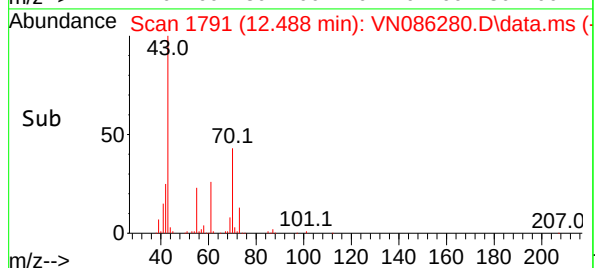
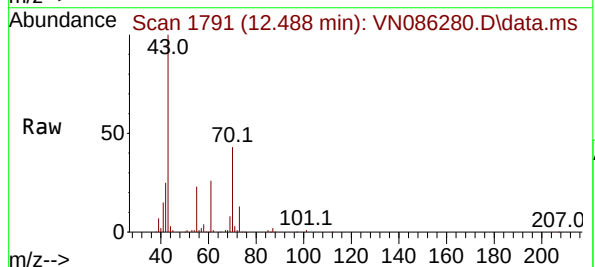
Manual Integrations
APPROVED

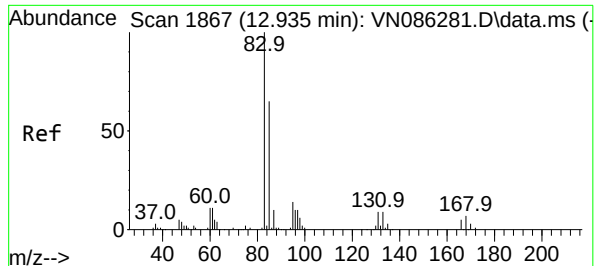
Reviewed By : John Carlone 04/16/2025
Supervised By : Semsettin Yesilyurt 04/16/2025



#74
N-ethyl acetate
Concen: 19.643 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

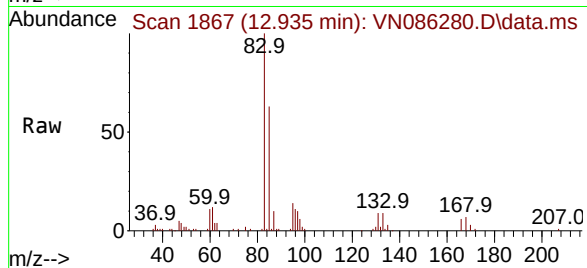
Tgt Ion: 43 Resp: 126575
Ion Ratio Lower Upper
43 100
70 43.8 35.0 52.4
55 23.3 19.0 28.4
61 25.4 19.8 29.8





#75
1,1,2-Tetrachloroethane
Concen: 20.620 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

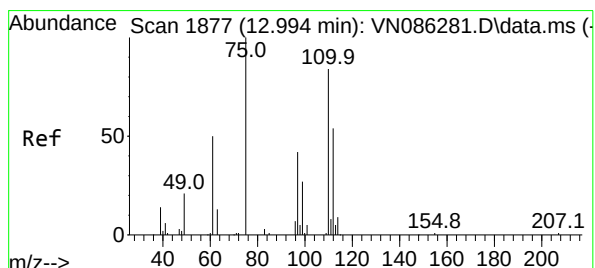
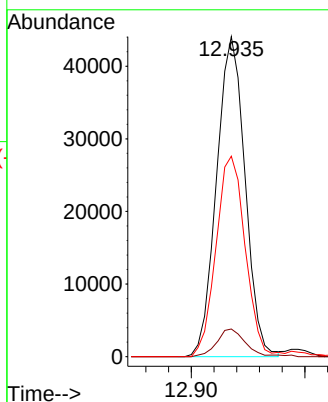
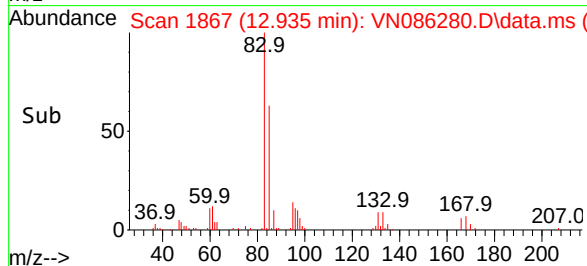
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 83 Resp: 76740
Ion Ratio Lower Upper
83 100
131 8.8 4.7 14.1
85 64.3 32.7 98.1

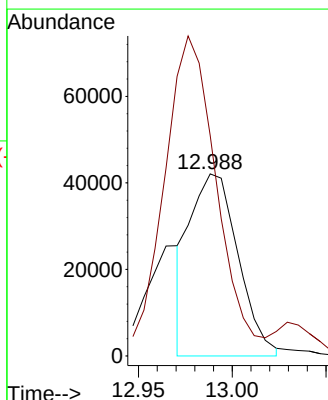
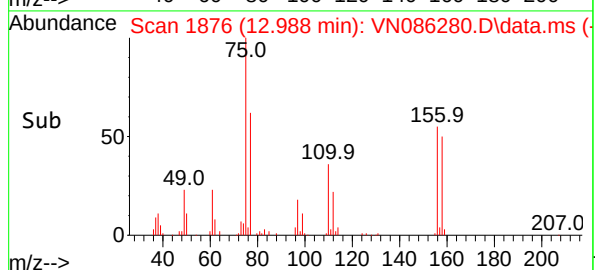
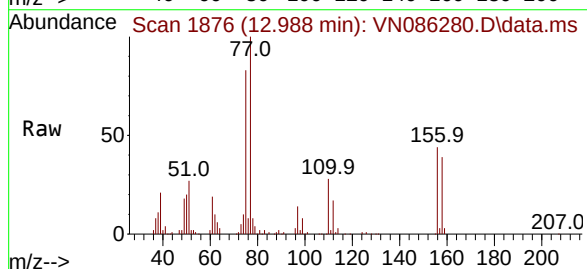
Manual Integrations
APPROVED

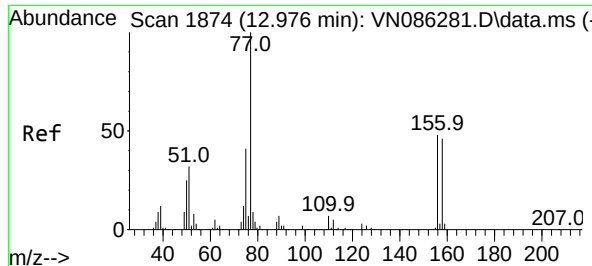
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#76
1,2,3-Trichloropropane
Concen: 20.130 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

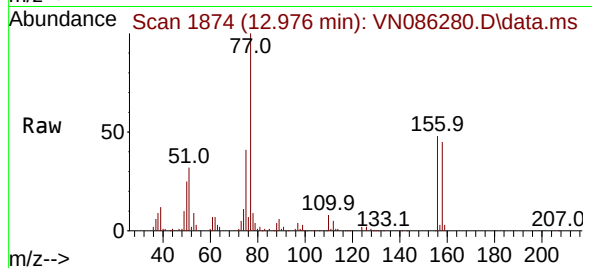
Tgt Ion: 75 Resp: 74829
Ion Ratio Lower Upper
75 100
77 192.9 98.8 296.4





#77
Bromobenzene
Concen: 20.882 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

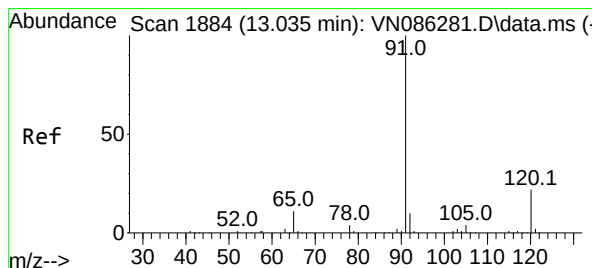
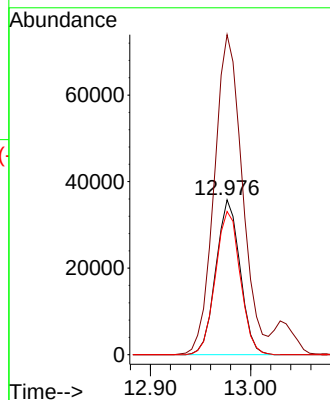
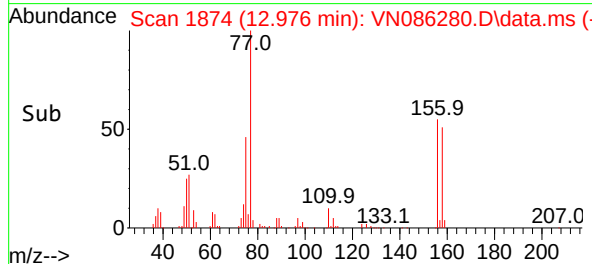
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 156 Resp: 59889
Ion Ratio Lower Upper
156 100
77 241.1 121.1 363.1
158 95.0 47.9 143.6

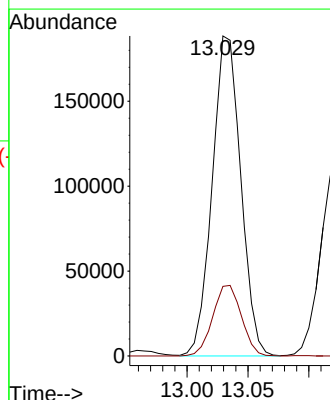
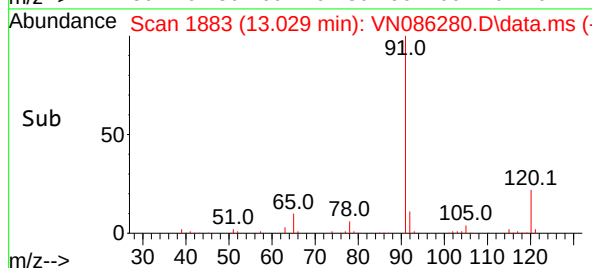
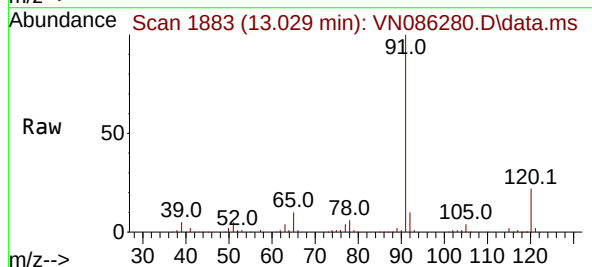
Manual Integrations
APPROVED

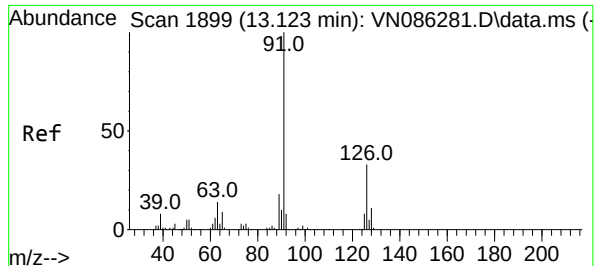
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#78
n-propylbenzene
Concen: 20.176 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Tgt Ion: 91 Resp: 307737
Ion Ratio Lower Upper
91 100
120 22.1 11.1 33.3





#79

2-Chlorotoluene

Concen: 20.281 ug/l

RT: 13.124 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 193569

Ion Ratio Lower Upper

91 100

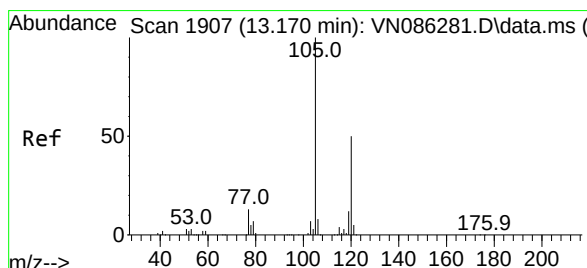
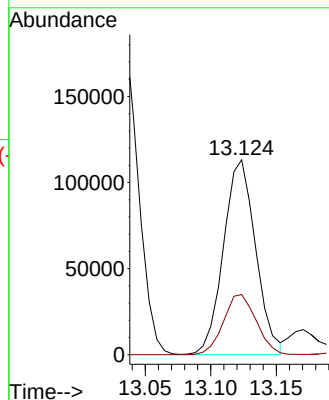
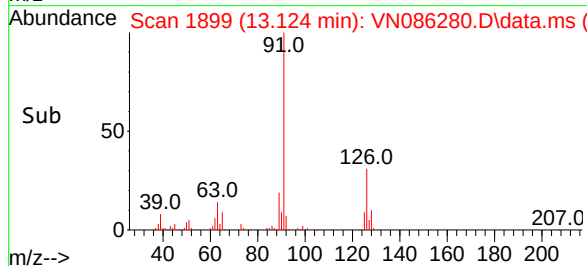
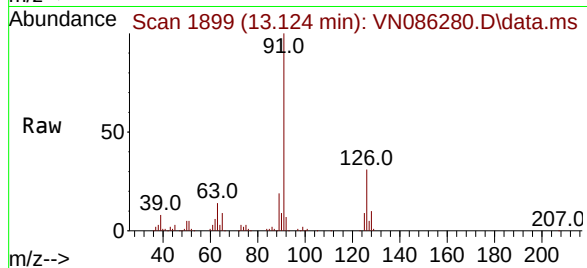
126 31.5 16.1 48.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#80

1,3,5-Trimethylbenzene

Concen: 20.423 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN086280.D

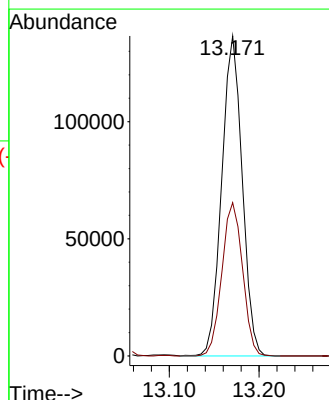
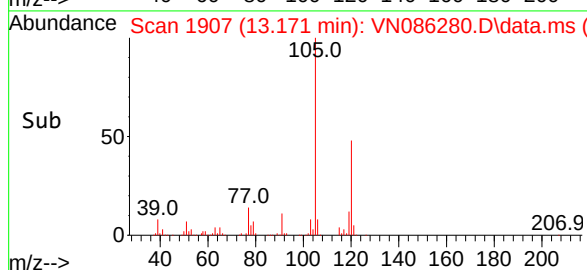
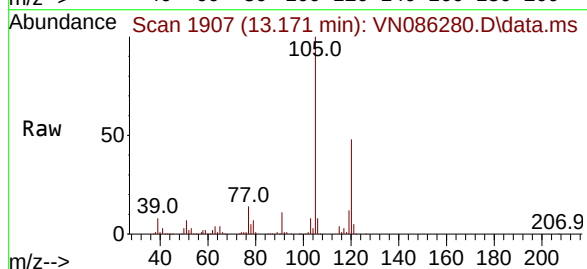
Acq: 15 Apr 2025 13:09

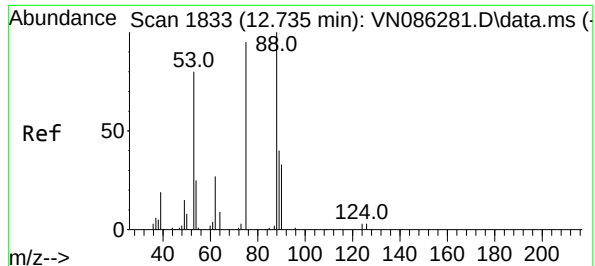
Tgt Ion:105 Resp: 216364

Ion Ratio Lower Upper

105 100

120 48.3 24.5 73.5





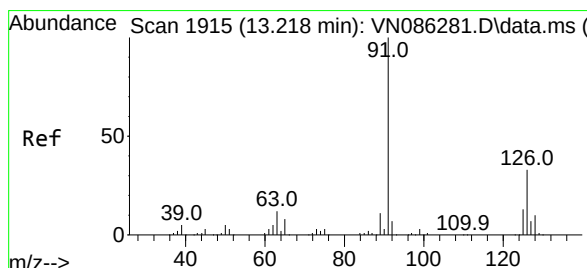
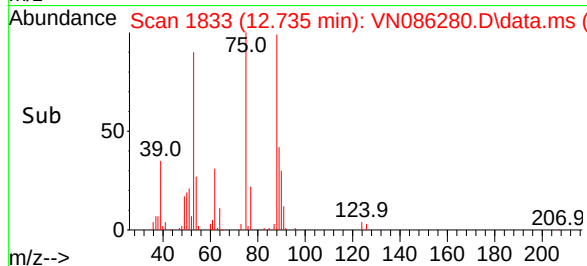
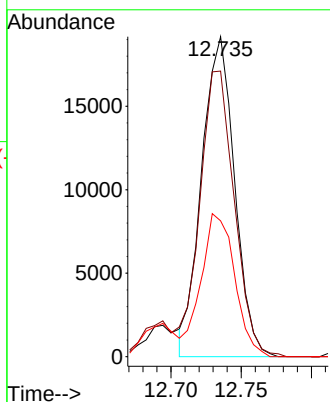
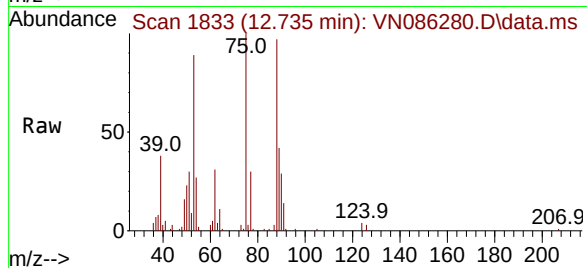
#81
trans-1,4-Dichloro-2-butene
Concen: 20.104 ug/l m
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 31250
Ion Ratio Lower Upper
75 100
53 94.7 79.2 118.8
89 45.9 35.7 53.5

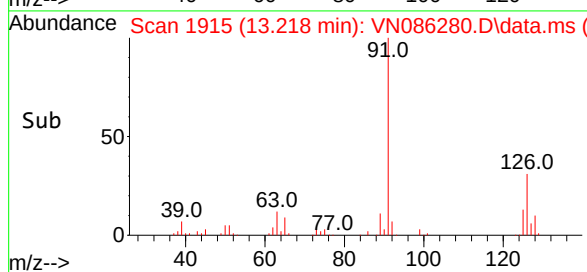
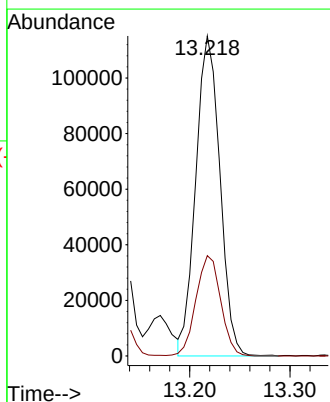
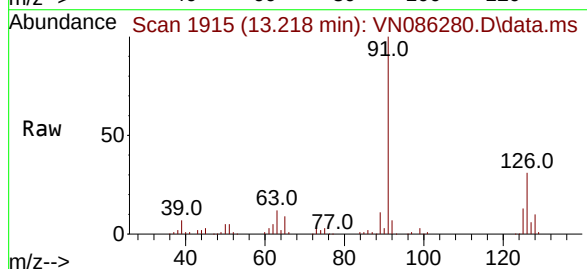
Manual Integrations
APPROVED

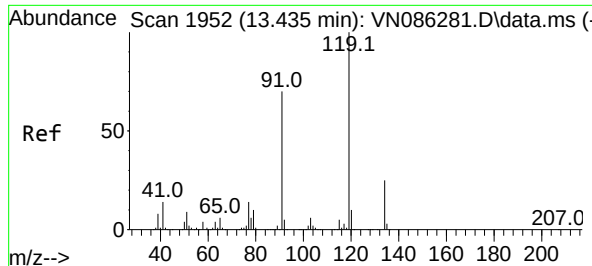
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#82
4-Chlorotoluene
Concen: 20.341 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

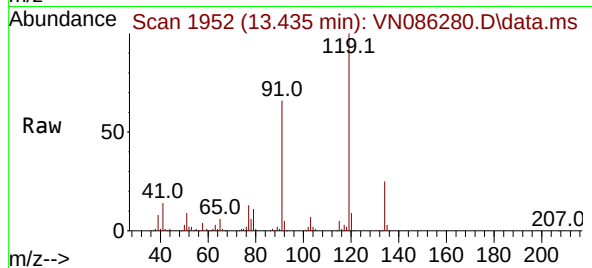
Tgt Ion: 91 Resp: 192849
Ion Ratio Lower Upper
91 100
126 32.0 16.2 48.6





#83
tert-Butylbenzene
Concen: 19.901 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

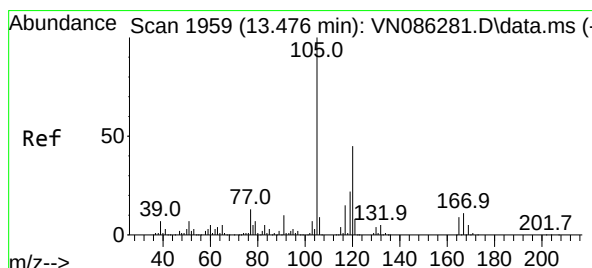
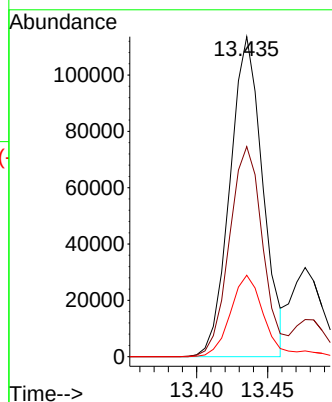
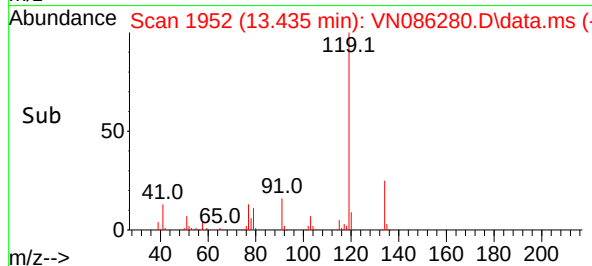
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion:119 Resp: 182683
Ion Ratio Lower Upper
119 100
91 67.6 34.4 103.3
134 26.5 13.0 39.0

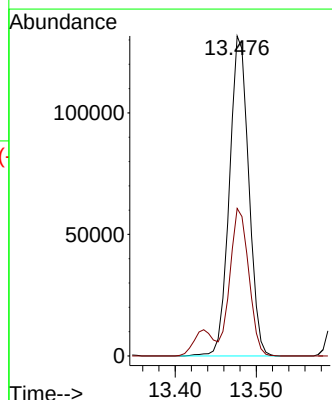
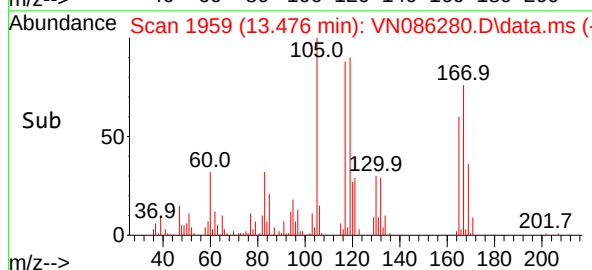
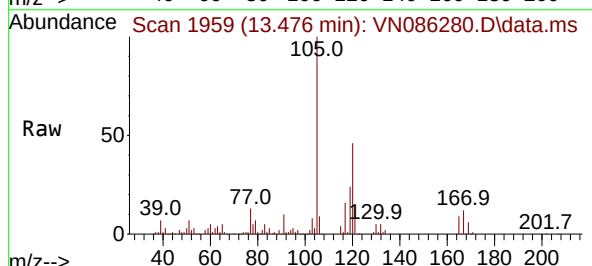
Manual Integrations
APPROVED

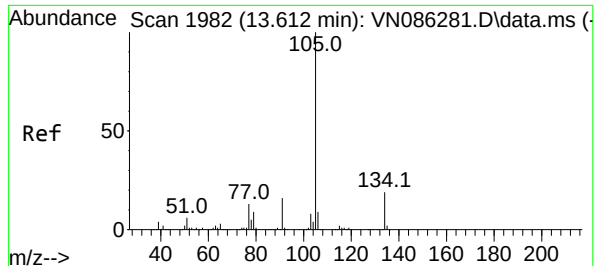
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#84
1,2,4-Trimethylbenzene
Concen: 20.135 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Tgt Ion:105 Resp: 217135
Ion Ratio Lower Upper
105 100
120 44.8 22.4 67.3





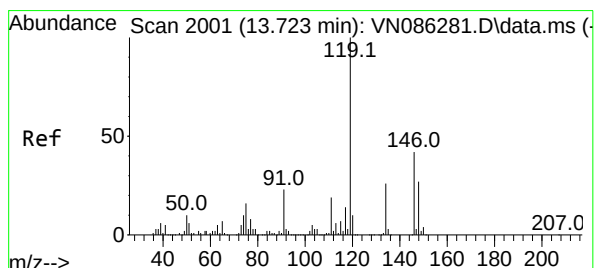
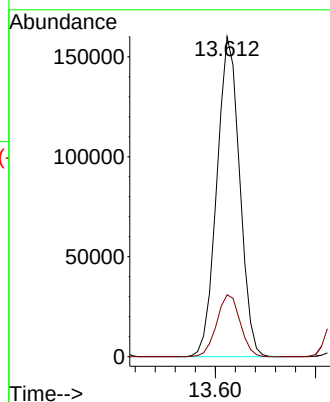
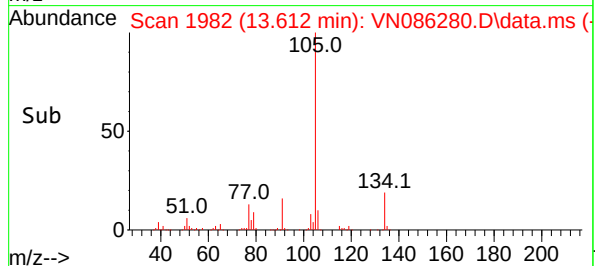
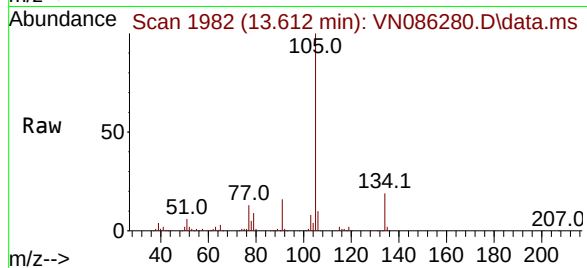
#85
sec-Butylbenzene
Concen: 19.838 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 25259
Ion Ratio Lower Upper
105 100
134 19.9 9.7 29.1

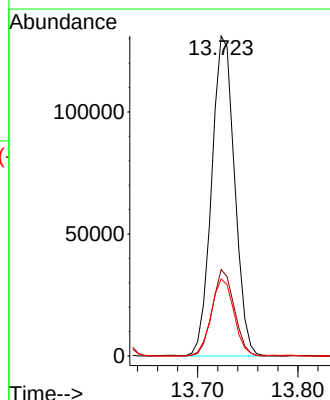
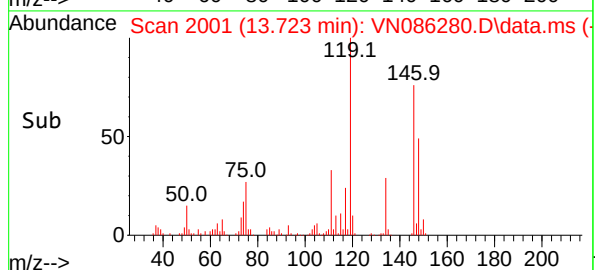
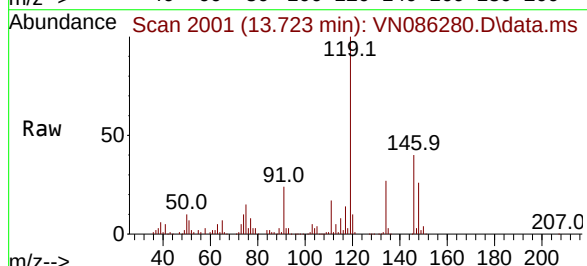
Manual Integrations
APPROVED

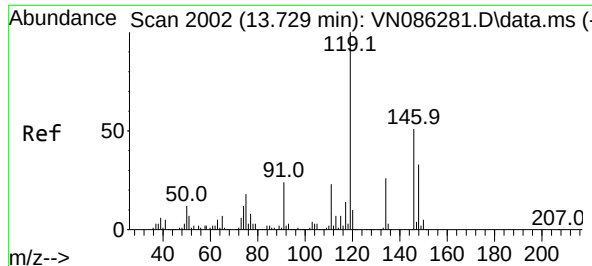
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#86
p-Isopropyltoluene
Concen: 19.844 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Tgt Ion:119 Resp: 208256
Ion Ratio Lower Upper
119 100
134 25.9 13.1 39.1
91 23.8 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 19.938 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion:146 Resp: 10749

Ion Ratio Lower Upper

146 100

111 42.6 21.9 65.7

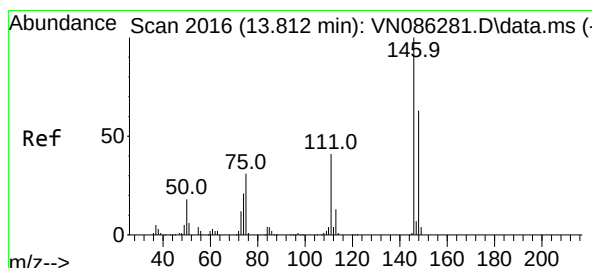
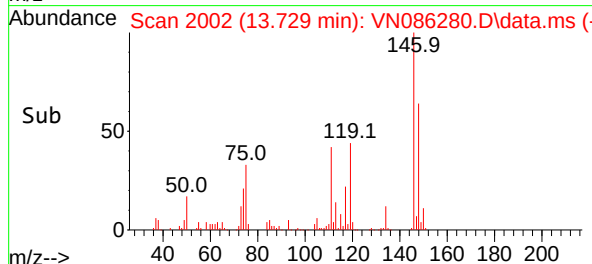
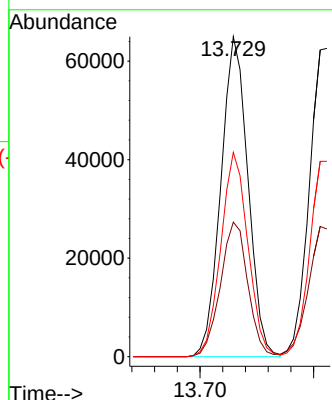
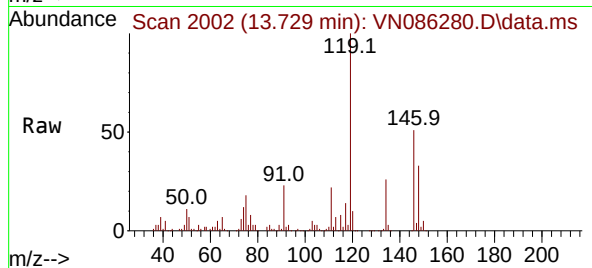
148 64.0 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#88

1,4-Dichlorobenzene

Concen: 19.964 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

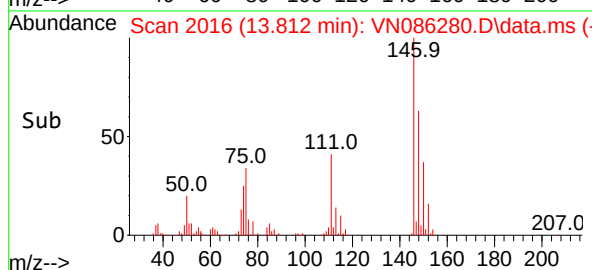
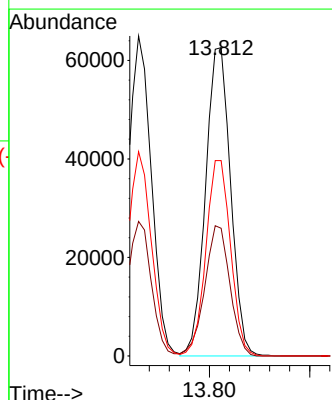
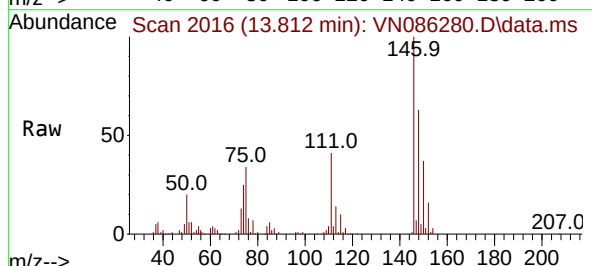
Tgt Ion:146 Resp: 108412

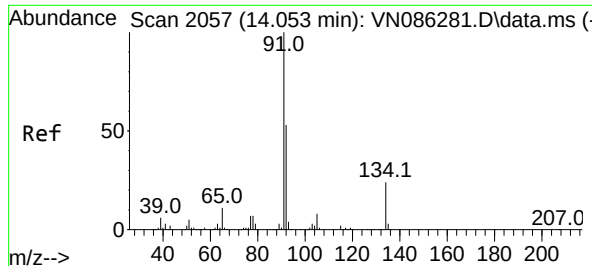
Ion Ratio Lower Upper

146 100

111 42.6 21.3 63.9

148 62.6 31.9 95.9





#89

n-Butylbenzene

Concen: 19.871 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

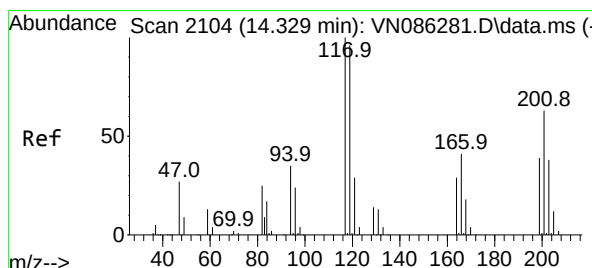
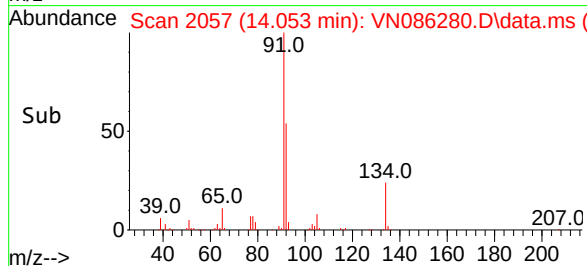
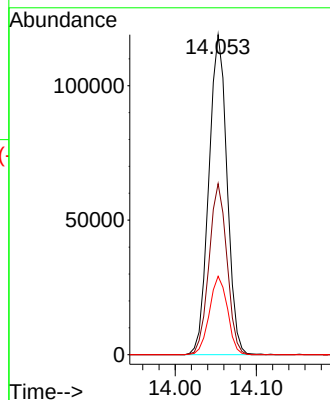
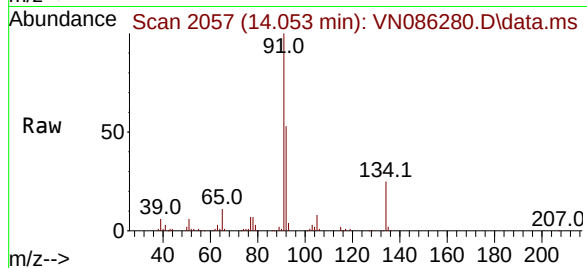
Tgt Ion:	91	Resp:	18485
Ion Ratio	Lower	Upper	
91	100		
92	52.6	26.8	80.4
134	24.4	12.2	36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#90

Hexachloroethane

Concen: 19.968 ug/l

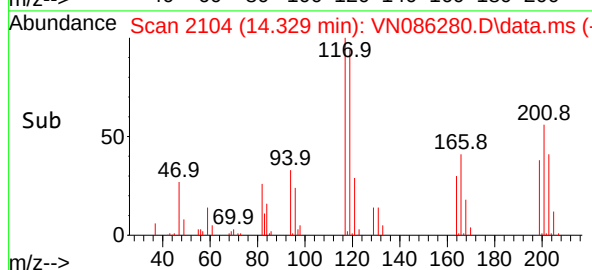
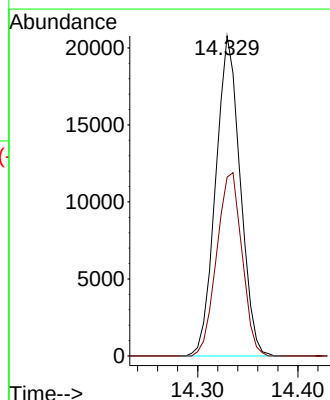
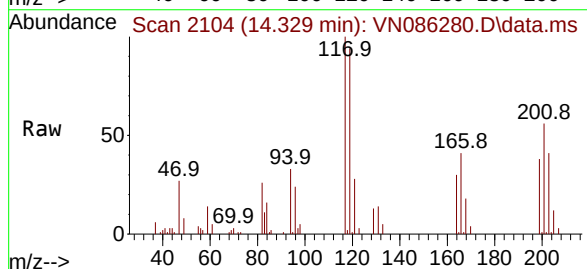
RT: 14.329 min Scan# 2104

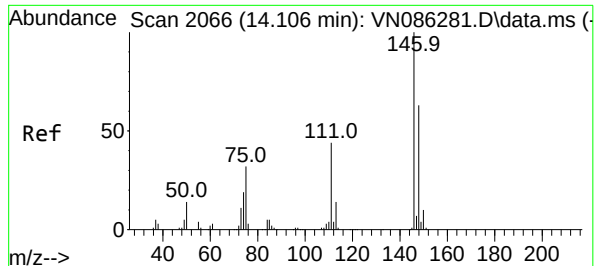
Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

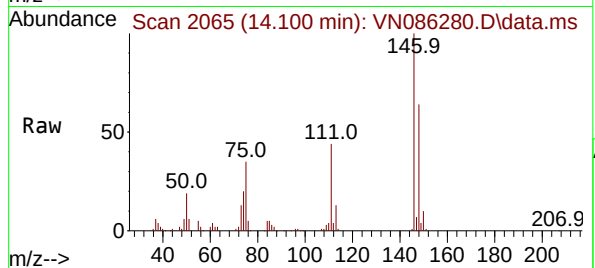
Tgt Ion:	117	Resp:	35250
Ion Ratio	Lower	Upper	
117	100		
201	59.3	31.4	94.2





#91
1,2-Dichlorobenzene
Concen: 19.932 ug/l
RT: 14.100 min Scan# 2066
Delta R.T. -0.006 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

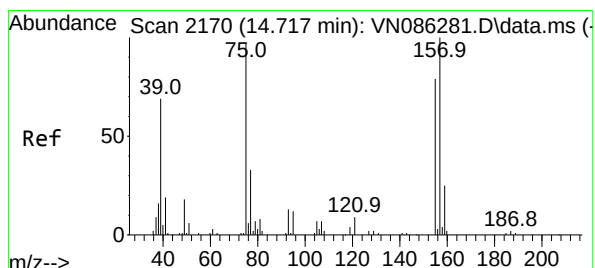
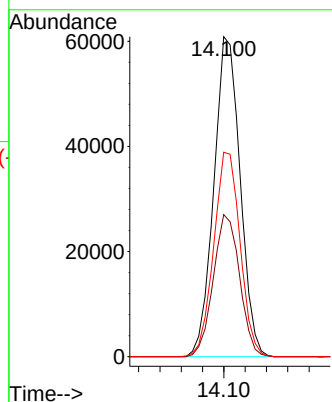
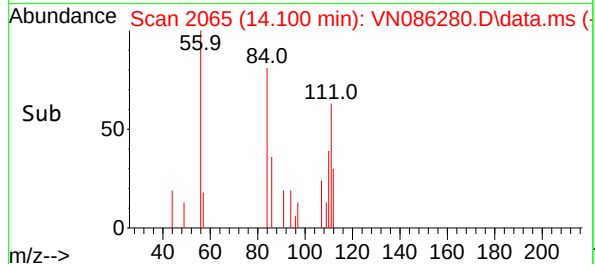
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion:146 Resp: 10418
Ion Ratio Lower Upper
146 100
111 44.5 22.4 67.0
148 64.1 31.8 95.4

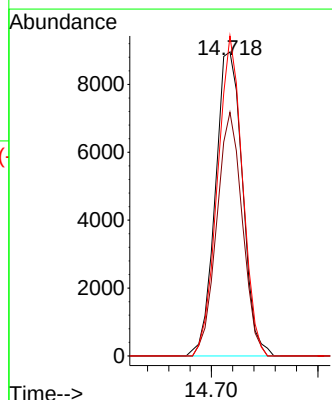
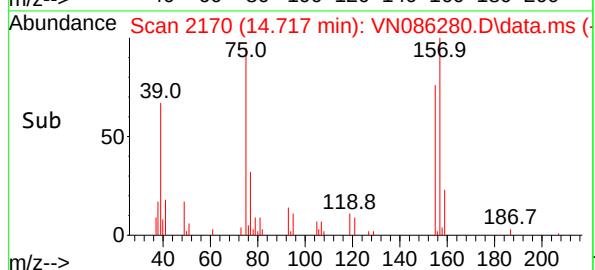
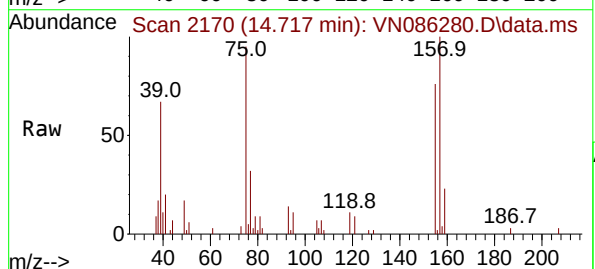
Manual Integrations
APPROVED

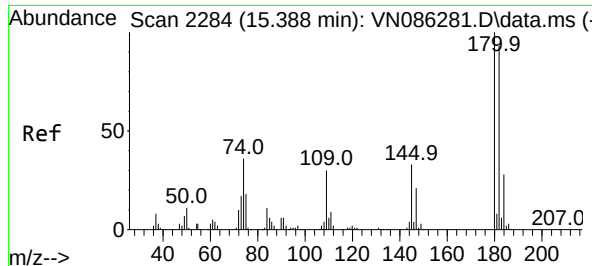
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 21.139 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN086280.D
Acq: 15 Apr 2025 13:09

Tgt Ion: 75 Resp: 15863
Ion Ratio Lower Upper
75 100
155 75.5 40.3 120.9
157 96.5 49.0 147.2





#93

1,2,4-Trichlorobenzene

Concen: 20.048 ug/l

RT: 15.388 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

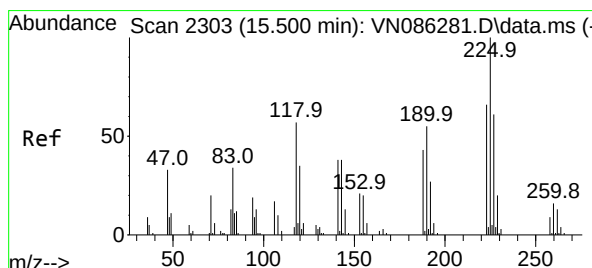
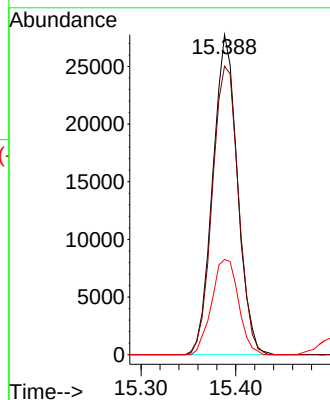
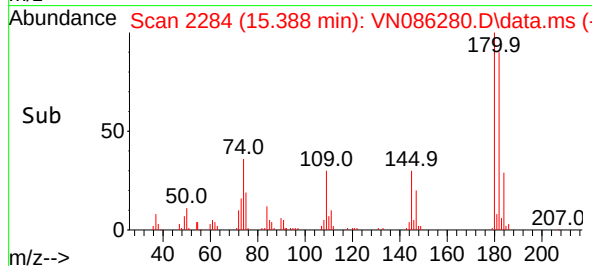
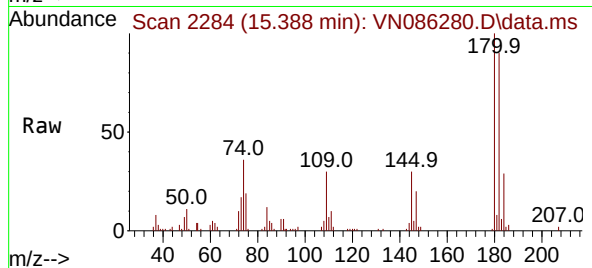
Tgt Ion:	180	Resp:	50179
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.0	141.0
145	32.3	16.4	49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#94

Hexachlorobutadiene

Concen: 20.135 ug/l

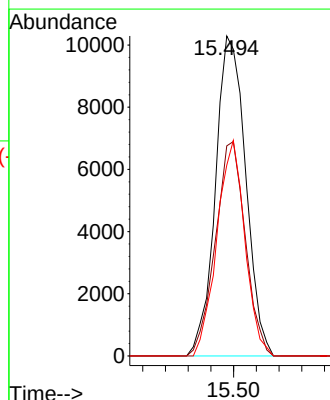
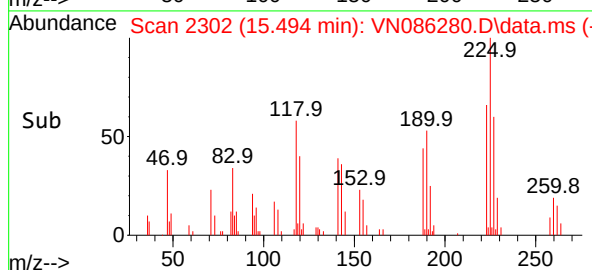
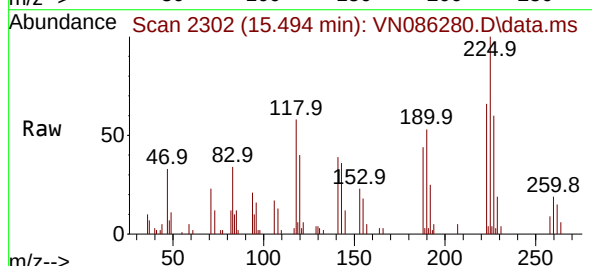
RT: 15.494 min Scan# 2302

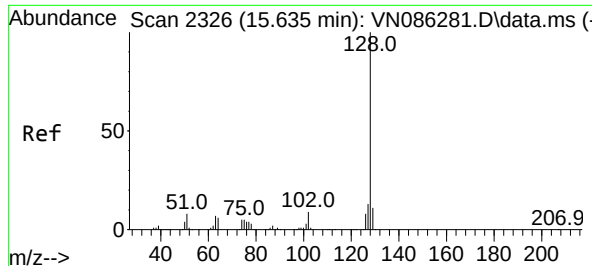
Delta R.T. -0.006 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

Tgt Ion:	225	Resp:	19024
Ion Ratio	Lower	Upper	
225	100		
223	66.4	32.8	98.3
227	62.2	31.4	94.0





#95

Naphthalene

Concen: 20.717 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion:128 Resp: 183810

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

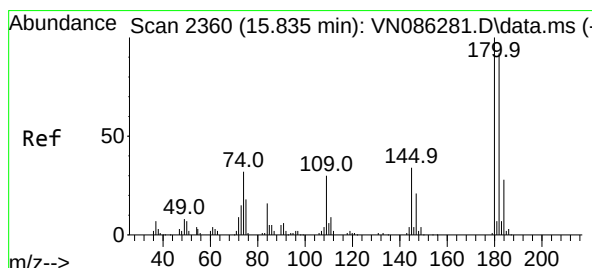
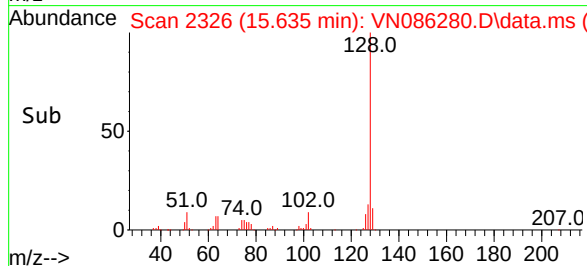
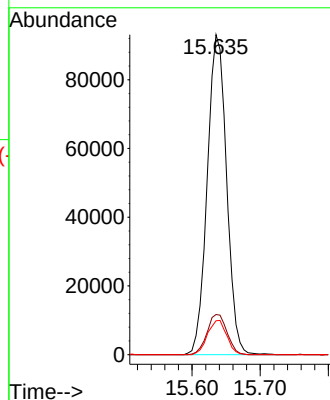
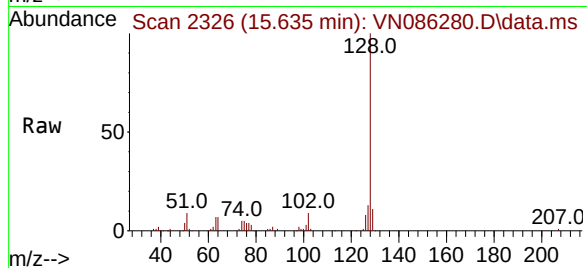
129 10.6 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#96

1,2,3-Trichlorobenzene

Concen: 20.013 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN086280.D

Acq: 15 Apr 2025 13:09

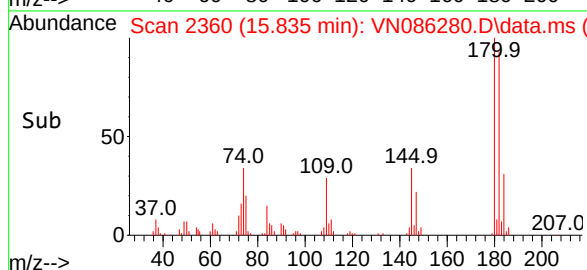
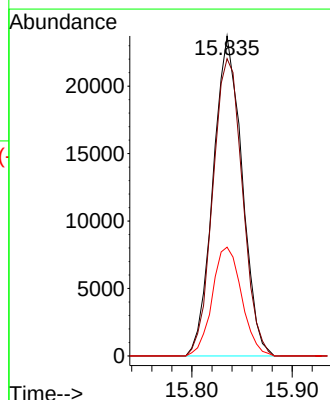
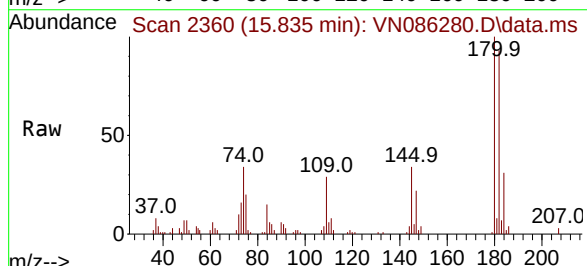
Tgt Ion:180 Resp: 47425

Ion Ratio Lower Upper

180 100

182 95.3 47.3 142.0

145 34.6 17.2 51.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086281.D
 Acq On : 15 Apr 2025 13:51
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 04/16/2025
 Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	223468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	413969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	367304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	173703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	160758	49.609	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.220%		
35) Dibromofluoromethane	8.165	113	88836	46.238	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.480%		
50) Toluene-d8	10.565	98	517785	50.426	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.860%		
62) 4-Bromofluorobenzene	12.847	95	190049	50.744	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.480%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	132017	49.836	ug/l	100
3) Chloromethane	2.359	50	168565	43.783	ug/l	100
4) Vinyl Chloride	2.518	62	176686	48.092	ug/l	100
5) Bromomethane	2.953	94	79546	48.135	ug/l	100
6) Chloroethane	3.118	64	111725	45.437	ug/l	100
7) Trichlorofluoromethane	3.501	101	192876	47.395	ug/l	100
8) Diethyl Ether	3.959	74	83664	47.092	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	117478	47.719	ug/l	100
10) Methyl Iodide	4.589	142	133779	49.427	ug/l	100
11) Tert butyl alcohol	5.512	59	138743	234.659	ug/l	100
12) 1,1-Dichloroethene	4.342	96	123106	46.805	ug/l	100
13) Acrolein	4.177	56	68075	246.717	ug/l	100
14) Allyl chloride	5.024	41	207525	44.409	ug/l	100
15) Acrylonitrile	5.712	53	354632	242.632	ug/l	100
16) Acetone	4.424	43	280935	250.761	ug/l	100
17) Carbon Disulfide	4.712	76	348133	44.205	ug/l	100
18) Methyl Acetate	5.018	43	174600	44.886	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	449127	46.453	ug/l	100
20) Methylene Chloride	5.271	84	138293	46.163	ug/l	100
21) trans-1,2-Dichloroethene	5.789	96	128404	46.696	ug/l	100
22) Diisopropyl ether	6.665	45	471385	46.345	ug/l	100
23) Vinyl Acetate	6.600	43	1657348	233.153	ug/l	100
24) 1,1-Dichloroethane	6.565	63	253896	47.310	ug/l	100
25) 2-Butanone	7.477	43	475281	235.633	ug/l	100
26) 2,2-Dichloropropane	7.483	77	219735	45.729	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	159460	46.722	ug/l	100
28) Bromochloromethane	7.806	49	110726	48.660	ug/l	100
29) Tetrahydrofuran	7.836	42	313920	232.739	ug/l	100
30) Chloroform	7.965	83	246843	46.823	ug/l	100
31) Cyclohexane	8.253	56	238117	45.343	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	212021	47.013	ug/l	100
36) 1,1-Dichloropropene	8.365	75	183246	47.752	ug/l	100
37) Ethyl Acetate	7.553	43	184834	45.750	ug/l	100
38) Carbon Tetrachloride	8.359	117	175094	47.912	ug/l	100
39) Methylcyclohexane	9.594	83	216725	47.515	ug/l	100
40) Benzene	8.600	78	583316	47.443	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086281.D
 Acq On : 15 Apr 2025 13:51
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 04/16/2025
 Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	109214	46.643	ug/l	100
42) 1,2-Dichloroethane	8.665	62	183854	46.892	ug/l	100
43) Isopropyl Acetate	8.683	43	358327	49.550	ug/l	100
44) Trichloroethene	9.347	130	139993	48.039	ug/l	100
45) 1,2-Dichloropropane	9.618	63	144496	48.011	ug/l	100
46) Dibromomethane	9.706	93	93965	49.002	ug/l	100
47) Bromodichloromethane	9.882	83	196793	47.516	ug/l	100
48) Methyl methacrylate	9.677	41	163719	46.146	ug/l	100
49) 1,4-Dioxane	9.694	88	53851	892.337	ug/l	100
51) 4-Methyl-2-Pentanone	10.441	43	1000994	241.959	ug/l	100
52) Toluene	10.629	92	369349	48.144	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	226518	48.996	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	238764	47.021	ug/l	100
55) 1,1,2-Trichloroethane	11.012	97	131721	47.721	ug/l	100
56) Ethyl methacrylate	10.871	69	239654	47.235	ug/l	100
57) 1,3-Dichloropropane	11.159	76	233548	47.689	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	594475	246.859	ug/l	100
59) 2-Hexanone	11.194	43	734660	239.414	ug/l	100
60) Dibromochloromethane	11.359	129	146318	48.274	ug/l	100
61) 1,2-Dibromoethane	11.465	107	134281	48.213	ug/l	100
64) Tetrachloroethene	11.100	164	136116	48.177	ug/l	100
65) Chlorobenzene	11.888	112	385849	47.072	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	127627	47.197	ug/l	100
67) Ethyl Benzene	11.959	91	704474	47.627	ug/l	100
68) m/p-Xylenes	12.065	106	533742	96.302	ug/l	100
69) o-Xylene	12.394	106	261904	47.783	ug/l	100
70) Styrene	12.406	104	447486	48.998	ug/l	100
71) Bromoform	12.576	173	95822	47.065	ug/l #	100
73) Isopropylbenzene	12.694	105	647490	45.568	ug/l	100
74) N-amyl acetate	12.488	43	308916	43.670	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	179865	44.025	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	181010m	44.357	ug/l	
77) Bromobenzene	12.976	156	147720	46.919	ug/l	100
78) n-propylbenzene	13.035	91	779530	46.556	ug/l	100
79) 2-Chlorotoluene	13.123	91	479235	45.740	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	535465	46.042	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	80078m	46.919	ug/l	
82) 4-Chlorotoluene	13.218	91	488049	46.893	ug/l	100
83) tert-Butylbenzene	13.435	119	452999	44.954	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	550727	46.521	ug/l	100
85) sec-Butylbenzene	13.612	105	653679	46.767	ug/l	100
86) p-Isopropyltoluene	13.723	119	548528	47.611	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	279645	47.249	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	280378	47.032	ug/l	100
89) n-Butylbenzene	14.053	91	492941	48.271	ug/l	100
90) Hexachloroethane	14.329	117	90009	46.447	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	270731	47.181	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	38625	46.887	ug/l	100
93) 1,2,4-Trichlorobenzene	15.388	180	132919	48.375	ug/l	100
94) Hexachlorobutadiene	15.500	225	48694	46.947	ug/l	100
95) Naphthalene	15.635	128	464685	47.708	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	122910	47.249	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086281.D
Acq On : 15 Apr 2025 13:51
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

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

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

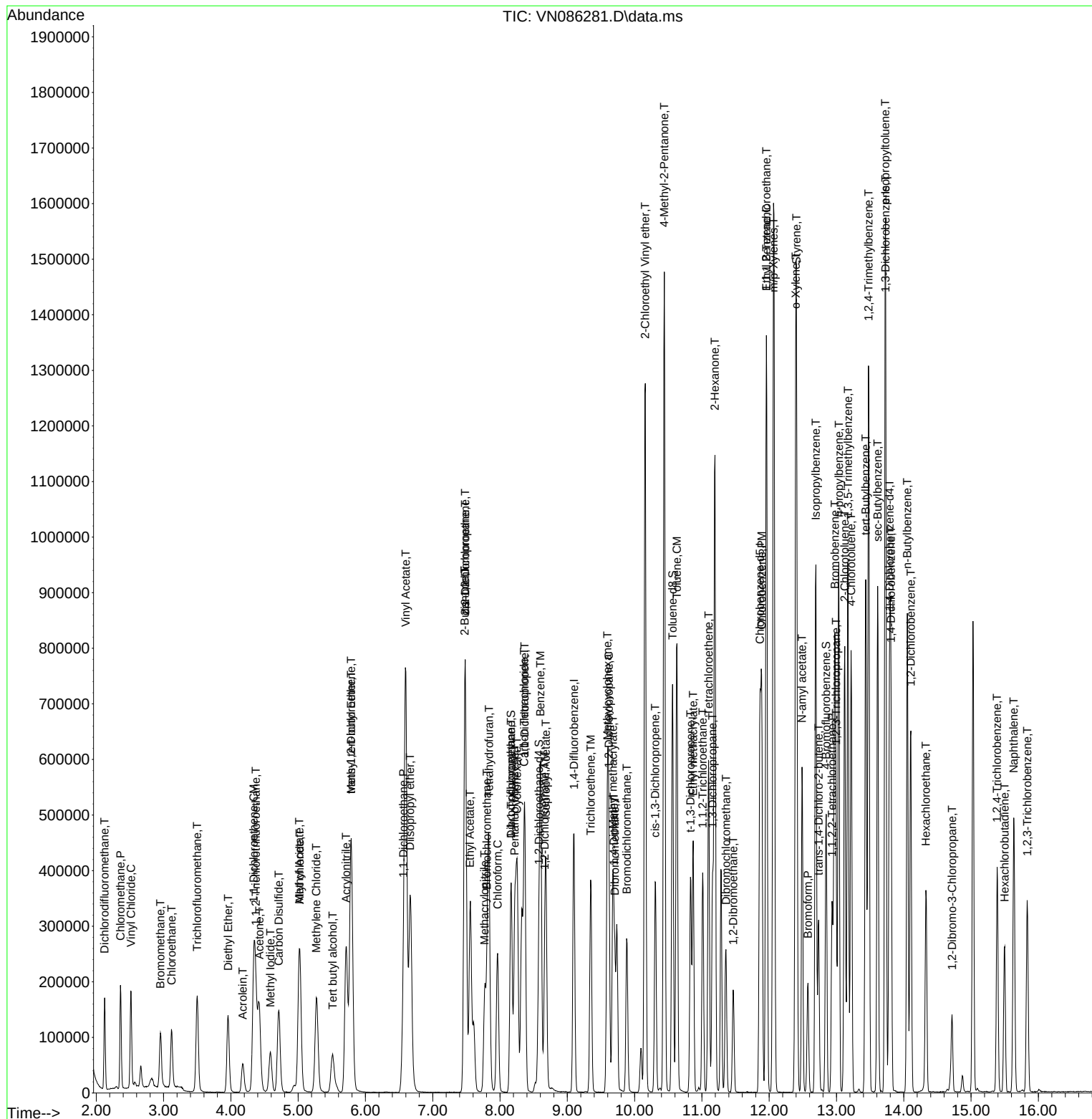
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086281.D
 Acq On : 15 Apr 2025 13:51
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

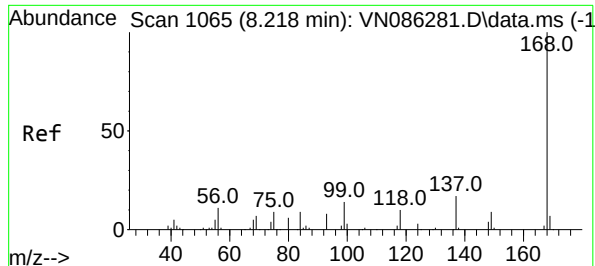
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

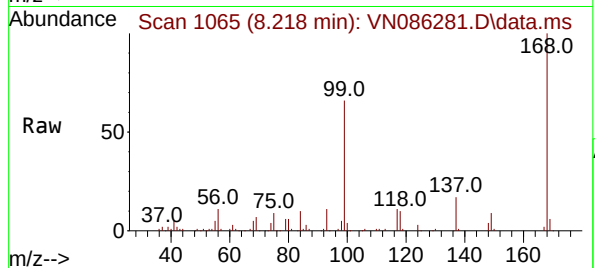
Quant Time: Apr 16 03:57:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

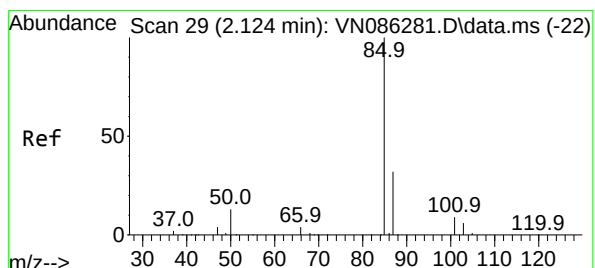
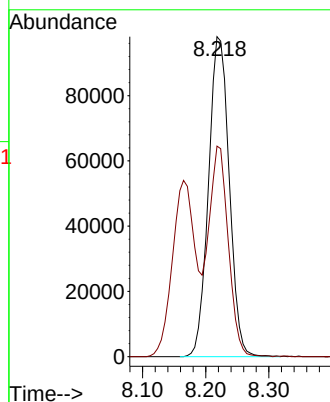
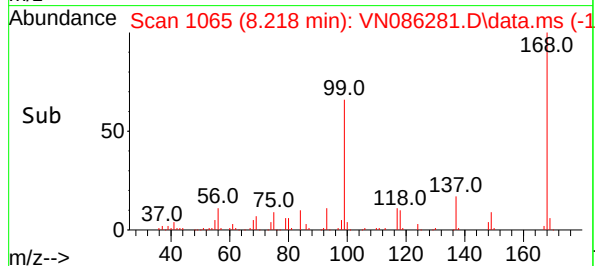
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:168 Resp: 223468
Ion Ratio Lower Upper
168 100
99 65.6 52.5 78.7

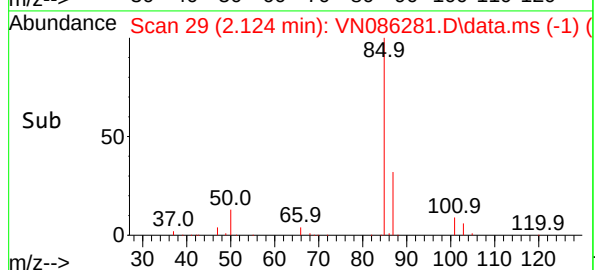
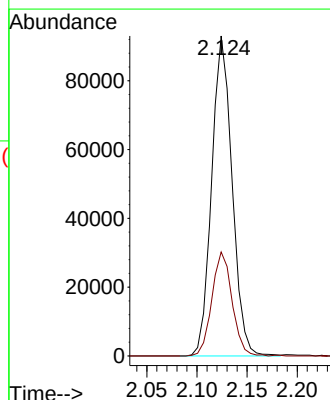
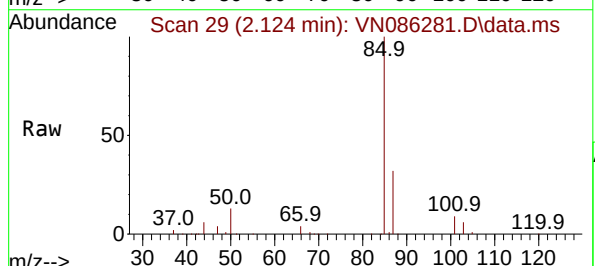
Manual Integrations
APPROVED

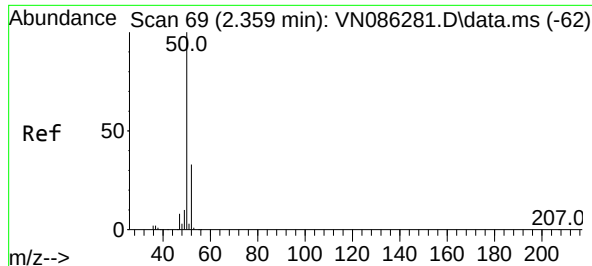
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#2
Dichlorodifluoromethane
Concen: 49.836 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Tgt Ion: 85 Resp: 132017
Ion Ratio Lower Upper
85 100
87 32.5 16.3 48.8





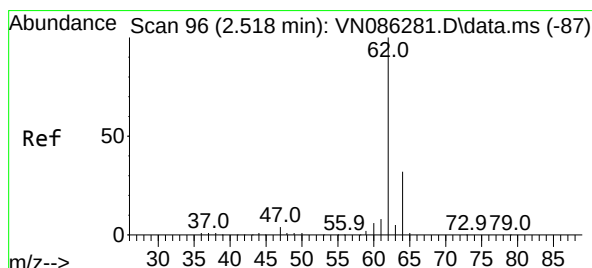
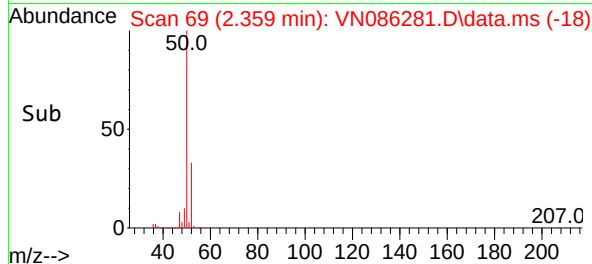
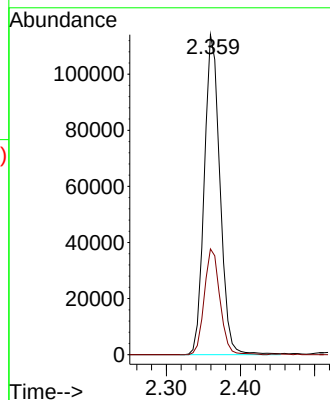
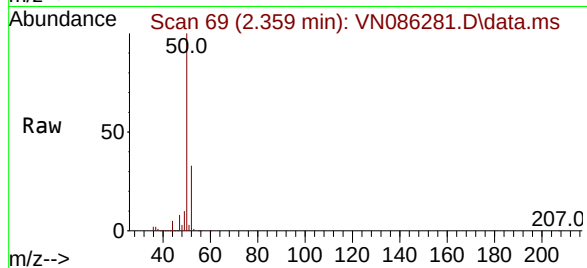
#3
Chloromethane
Concen: 43.783 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 16856
Ion Ratio Lower Upper
50 100
52 33.1 26.5 39.7

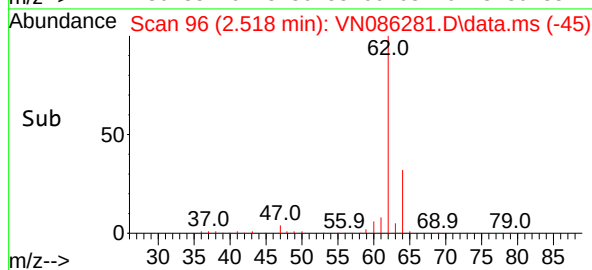
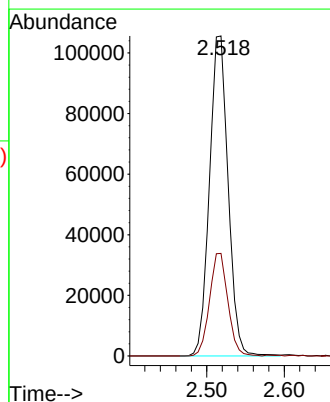
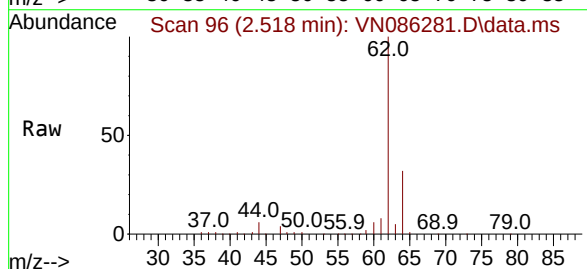
Manual Integrations
APPROVED

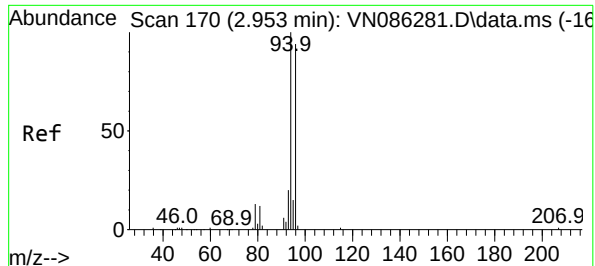
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#4
Vinyl Chloride
Concen: 48.092 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Tgt Ion: 62 Resp: 176686
Ion Ratio Lower Upper
62 100
64 32.0 25.6 38.4





#5

Bromomethane

Concen: 48.135 ug/l

RT: 2.953 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN086281.D

Acq: 15 Apr 2025 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 94 Resp: 79540

Ion Ratio Lower Upper

94 100

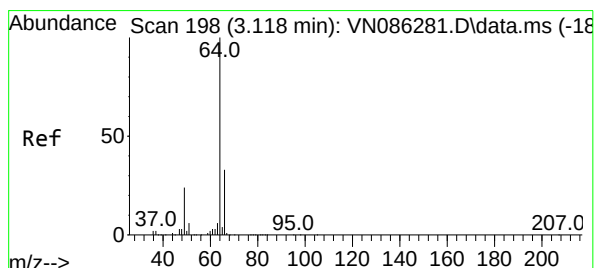
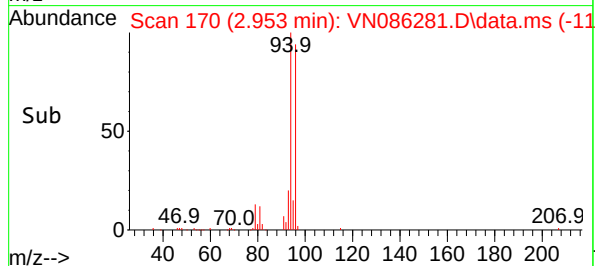
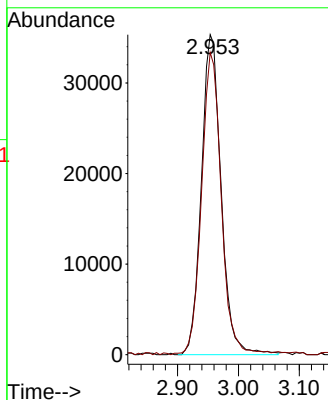
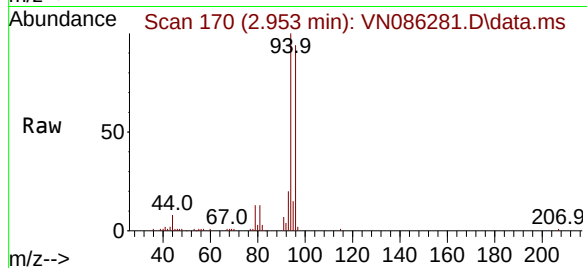
96 94.0 75.2 112.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#6

Chloroethane

Concen: 45.437 ug/l

RT: 3.118 min Scan# 198

Delta R.T. 0.000 min

Lab File: VN086281.D

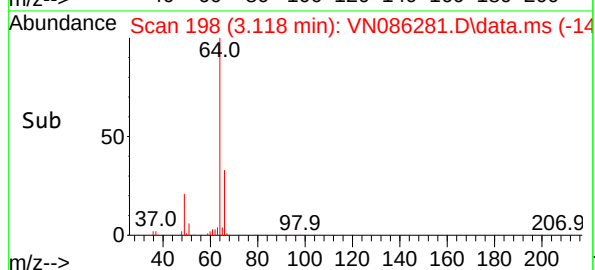
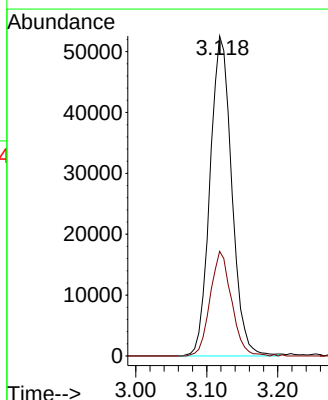
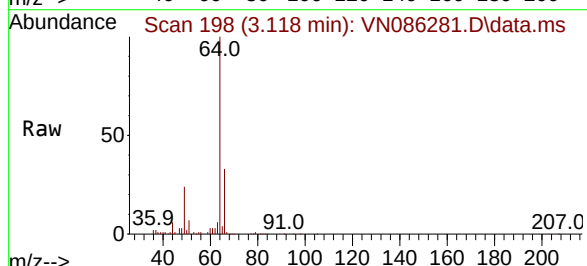
Acq: 15 Apr 2025 13:51

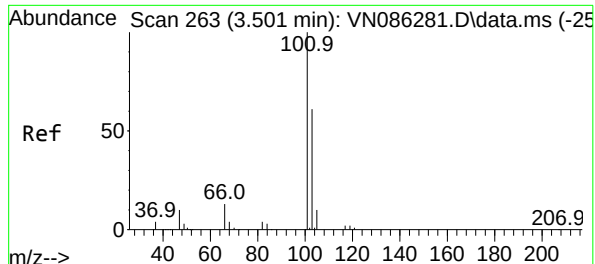
Tgt Ion: 64 Resp: 111725

Ion Ratio Lower Upper

64 100

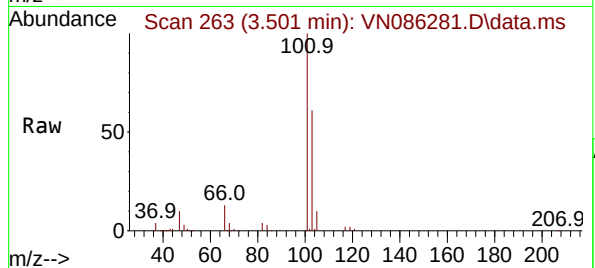
66 32.7 26.2 39.2





#7
Trichlorofluoromethane
Concen: 47.395 ug/l
RT: 3.501 min Scan# 263
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

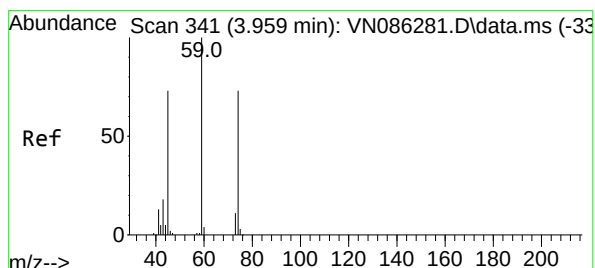
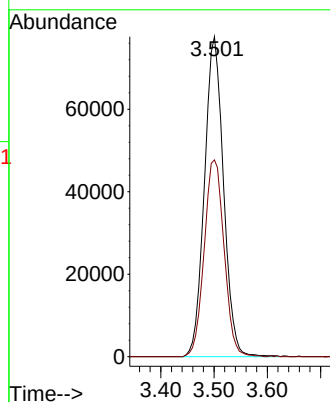
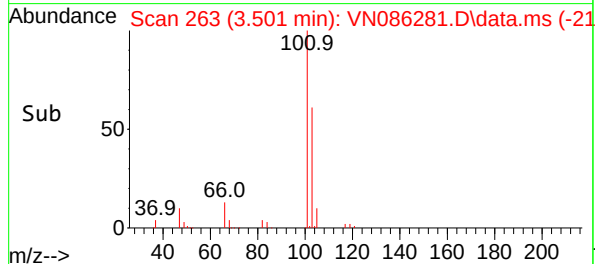
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:101 Resp: 192870
Ion Ratio Lower Upper
101 100
103 61.5 49.2 73.8

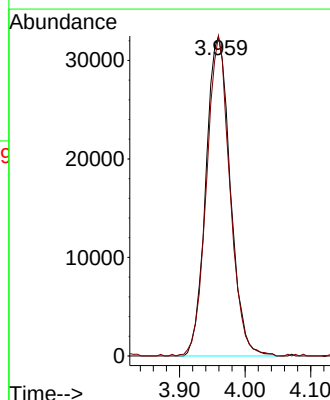
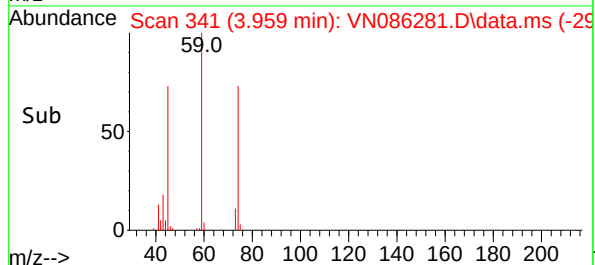
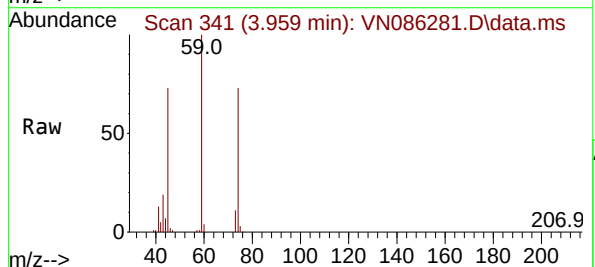
Manual Integrations
APPROVED

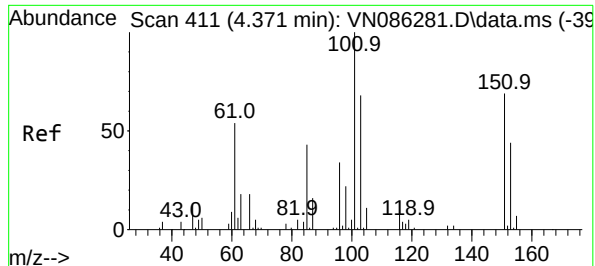
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#8
Diethyl Ether
Concen: 47.092 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Tgt Ion: 74 Resp: 83664
Ion Ratio Lower Upper
74 100
45 96.1 48.0 144.2





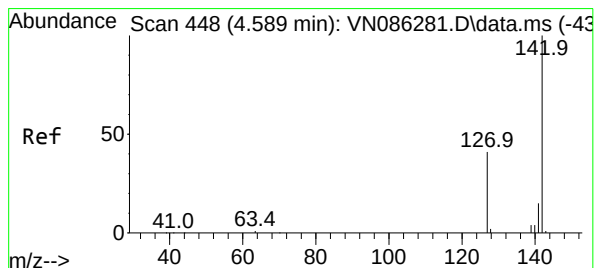
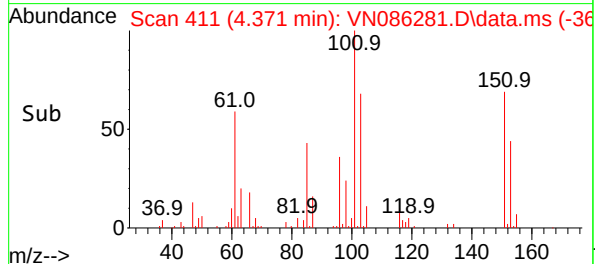
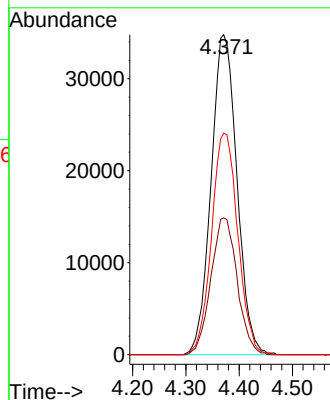
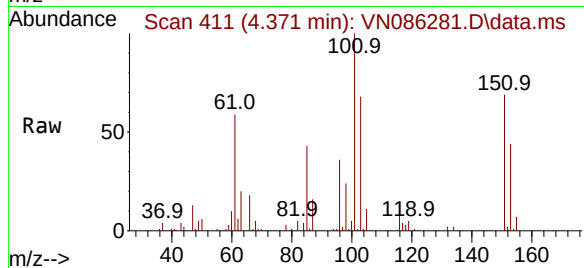
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.719 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 117478
Ion Ratio Lower Upper
101 100
85 43.4 34.7 52.1
151 70.1 56.1 84.1

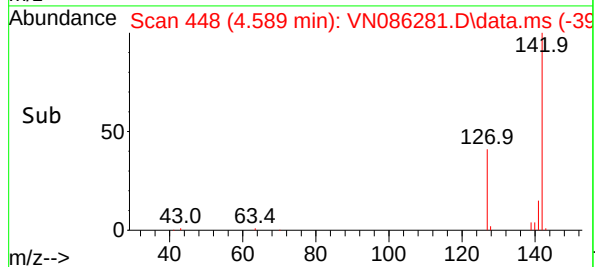
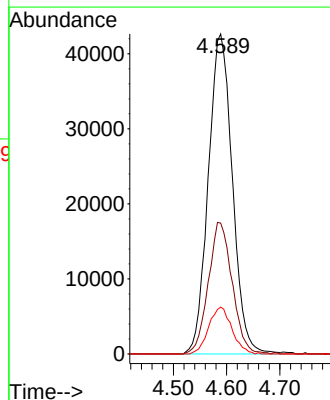
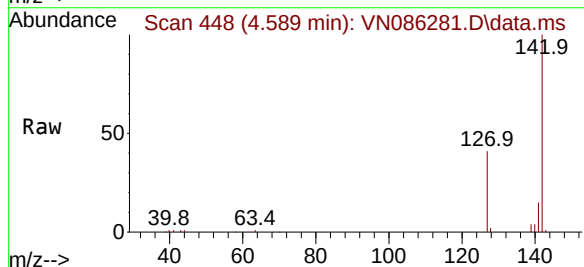
Manual Integrations
APPROVED

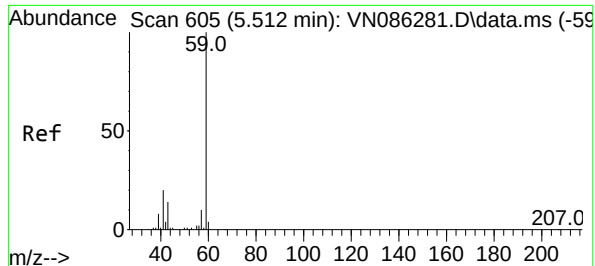
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#10
Methyl Iodide
Concen: 49.427 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

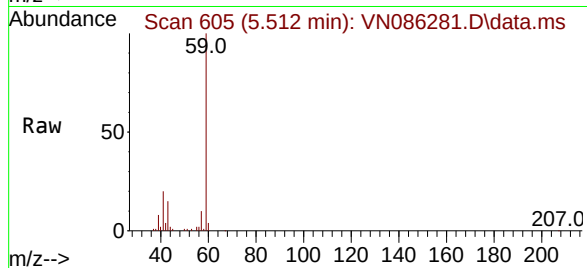
Tgt Ion:142 Resp: 133779
Ion Ratio Lower Upper
142 100
127 40.9 32.7 49.1
141 14.6 11.7 17.5





#11
Tert butyl alcohol
Concen: 234.659 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

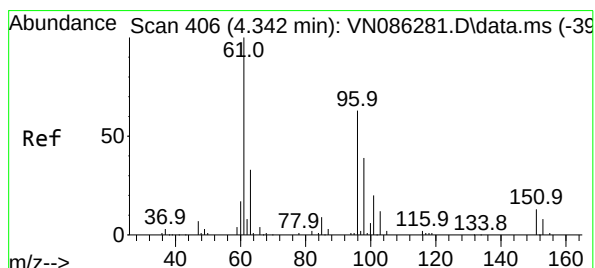
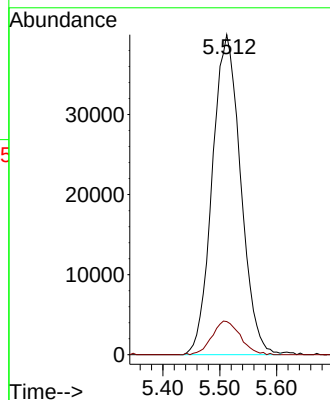
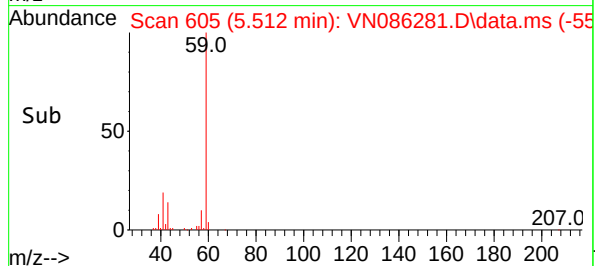
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



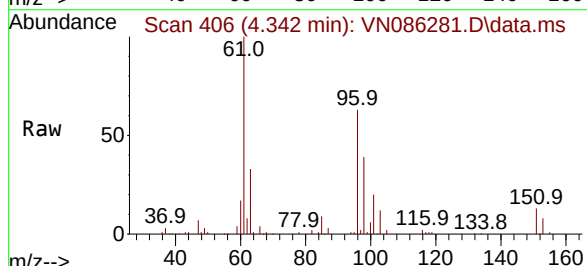
Tgt Ion: 59 Resp: 13874
Ion Ratio Lower Upper
59 100
57 10.4 8.3 12.5

Manual Integrations
APPROVED

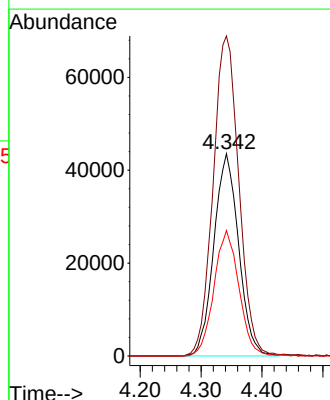
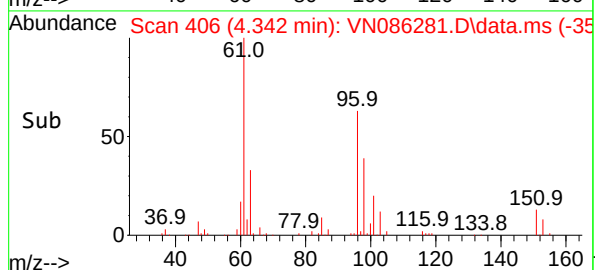
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

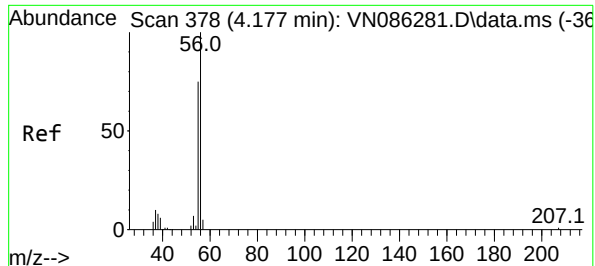


#12
1,1-Dichloroethene
Concen: 46.805 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51



Tgt Ion: 96 Resp: 123106
Ion Ratio Lower Upper
96 100
61 158.2 126.6 189.8
98 62.0 49.6 74.4





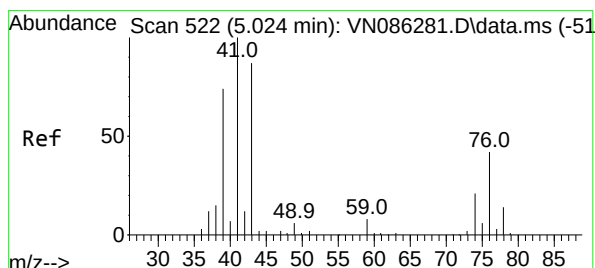
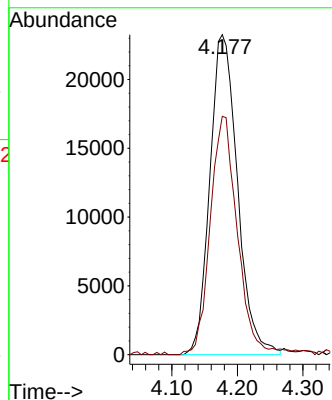
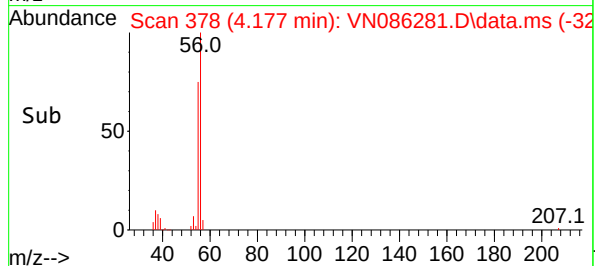
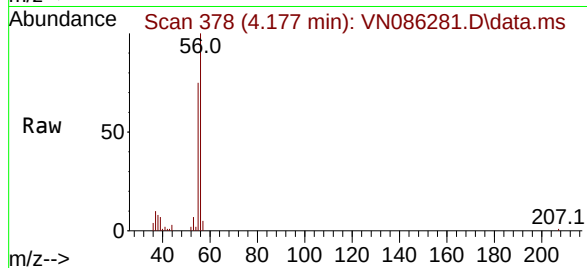
#13
Acrolein
Concen: 246.717 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 68075
Ion Ratio Lower Upper
56 100
55 73.1 58.5 87.7

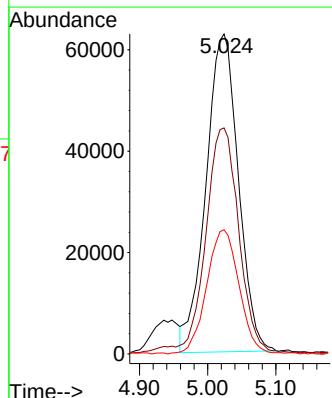
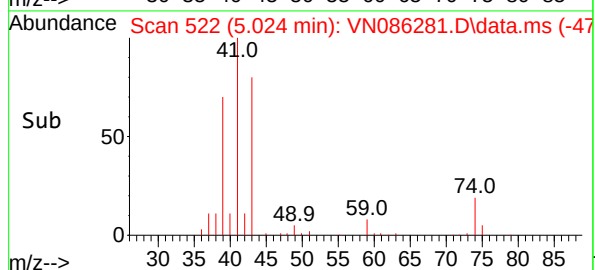
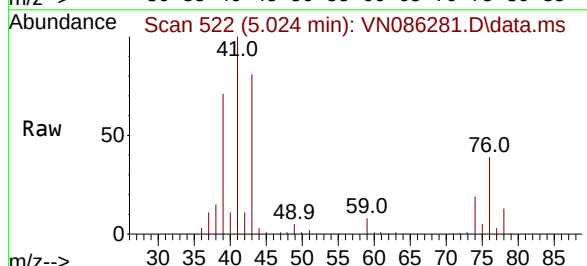
Manual Integrations
APPROVED

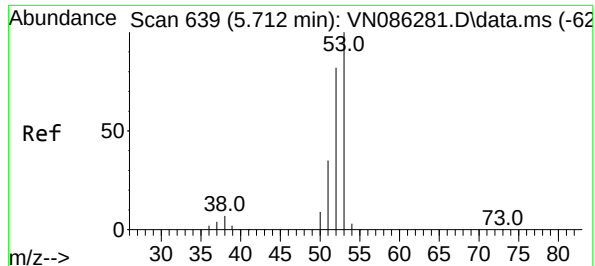
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#14
Allyl chloride
Concen: 44.409 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

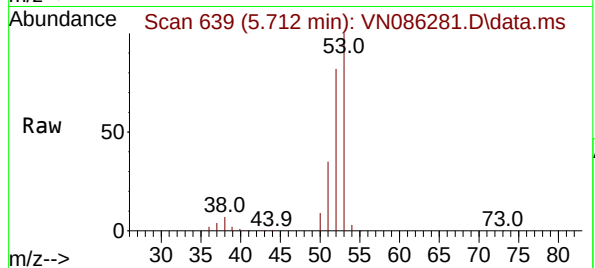
Tgt Ion: 41 Resp: 207525
Ion Ratio Lower Upper
41 100
39 74.0 59.2 88.8
76 39.0 31.2 46.8





#15
Acrylonitrile
Concen: 242.632 ug/l
RT: 5.712 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

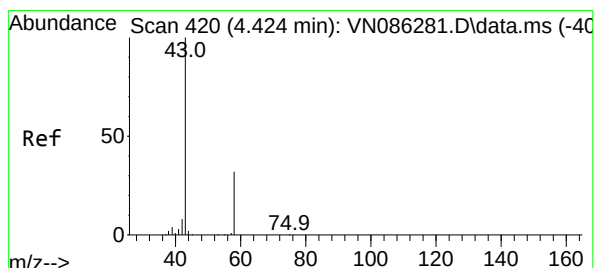
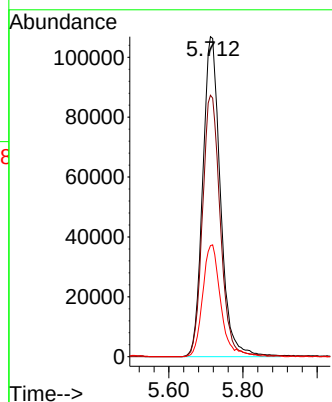
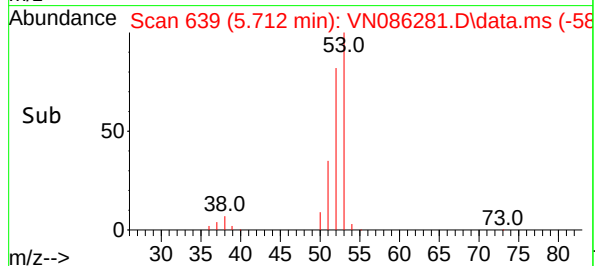
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 53 Resp: 354632
Ion Ratio Lower Upper
53 100
52 81.9 65.5 98.3
51 35.7 28.6 42.8

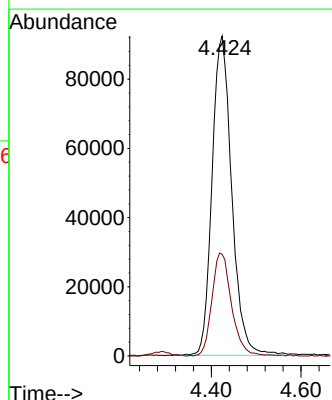
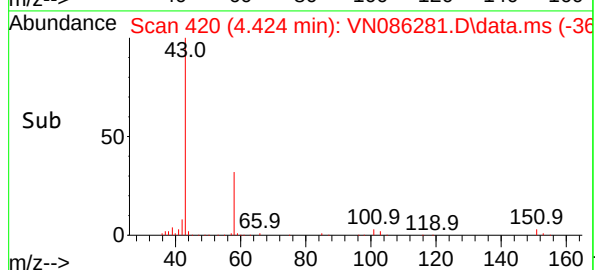
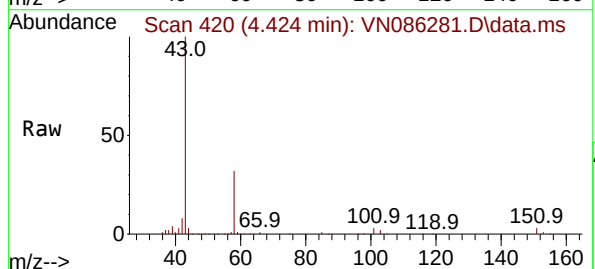
Manual Integrations
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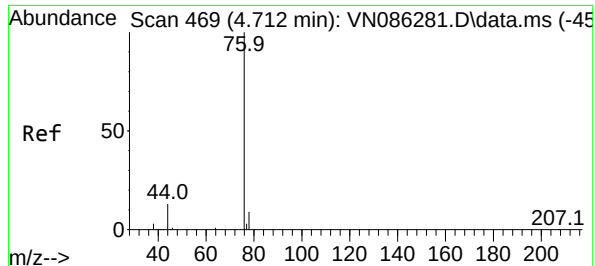
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#16
Acetone
Concen: 250.761 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Tgt Ion: 43 Resp: 280935
Ion Ratio Lower Upper
43 100
58 31.6 25.3 37.9





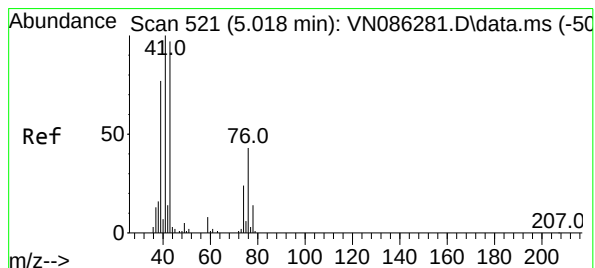
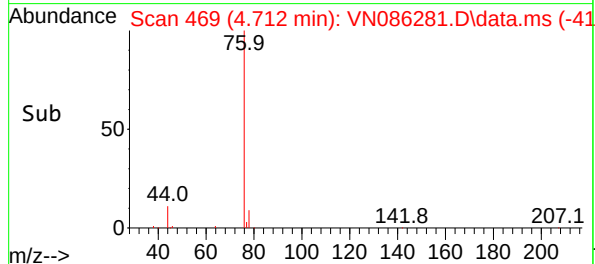
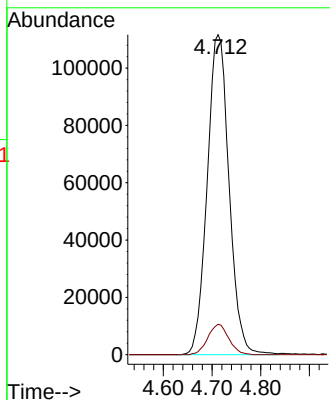
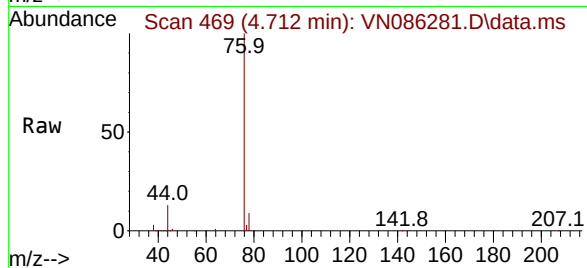
#17
Carbon Disulfide
Concen: 44.205 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 34813
Ion Ratio Lower Upper
76 100
78 9.5 7.6 11.4

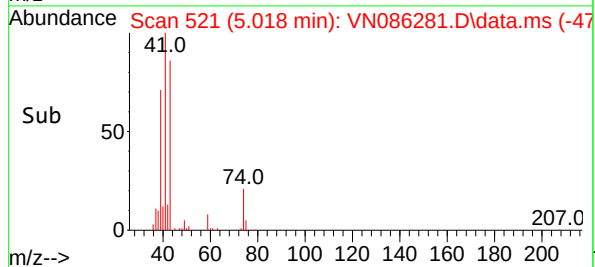
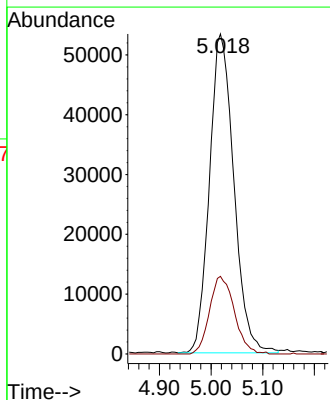
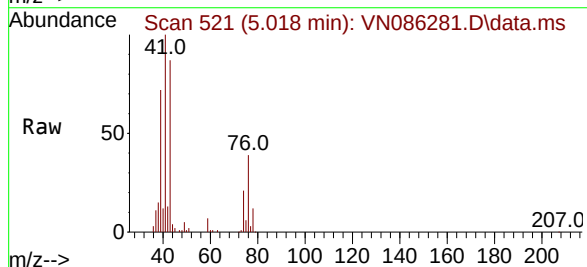
Manual Integrations
APPROVED

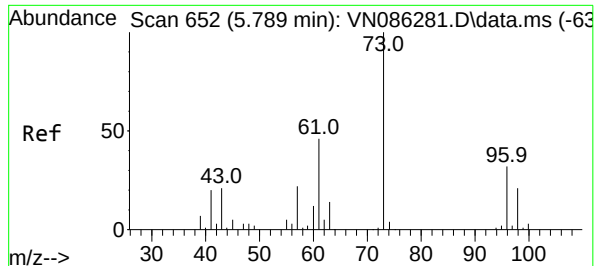
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#18
Methyl Acetate
Concen: 44.886 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Tgt Ion: 43 Resp: 174600
Ion Ratio Lower Upper
43 100
74 24.7 19.8 29.6





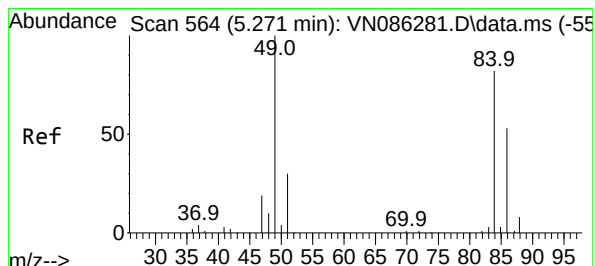
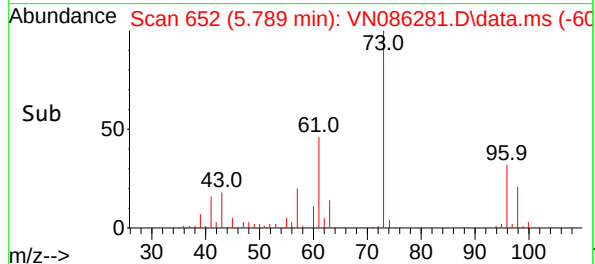
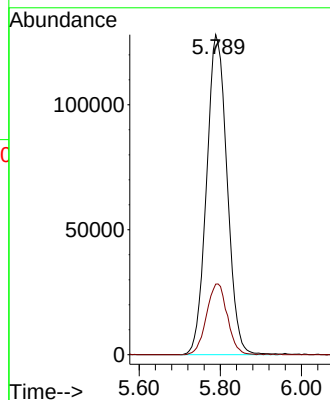
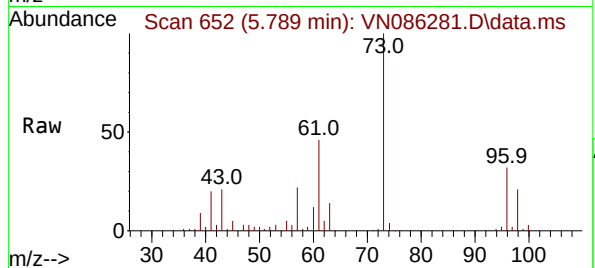
#19
Methyl tert-butyl Ether
Concen: 46.453 ug/l
RT: 5.789 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 44912
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4

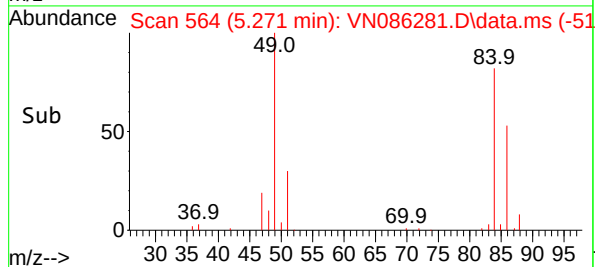
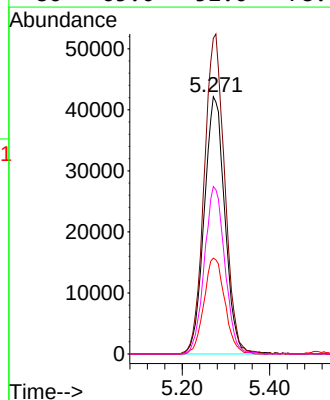
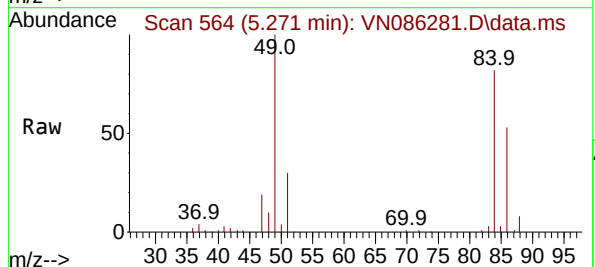
Manual Integrations
APPROVED

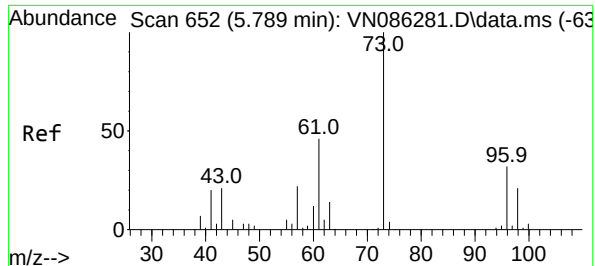
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#20
Methylene Chloride
Concen: 46.163 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

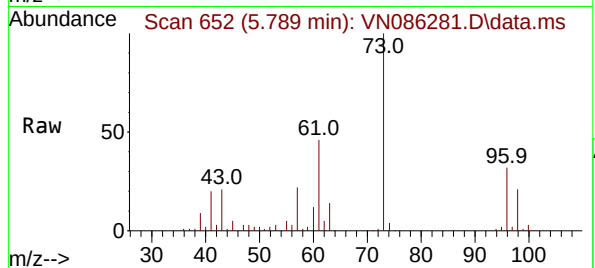
Tgt Ion: 84 Resp: 138293
Ion Ratio Lower Upper
84 100
49 122.7 98.2 147.2
51 37.2 29.8 44.6
86 65.0 52.0 78.0





#21
trans-1,2-Dichloroethene
Concen: 46.696 ug/l
RT: 5.789 min Scan# 652
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

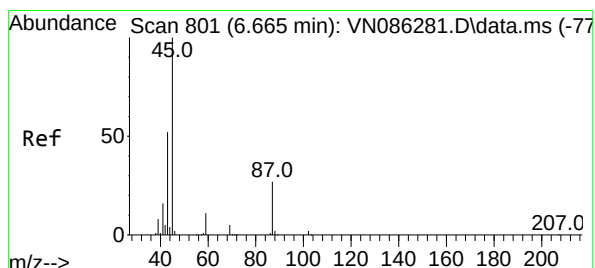
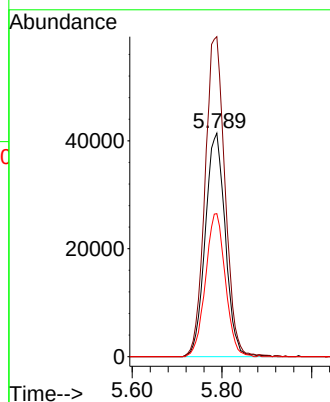
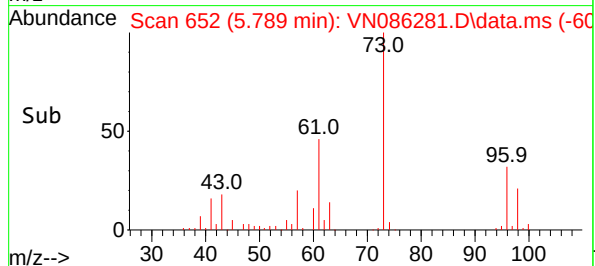
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 96 Resp: 128404
Ion Ratio Lower Upper
96 100
61 143.2 114.6 171.8
98 64.0 51.2 76.8

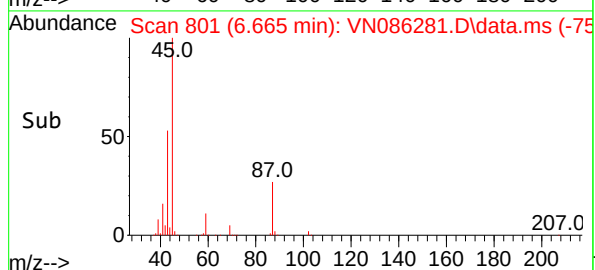
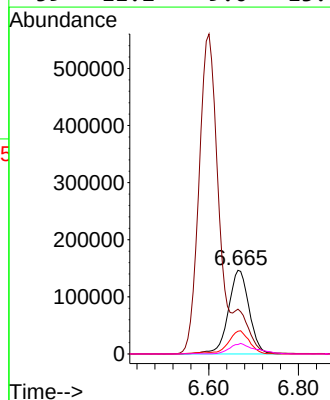
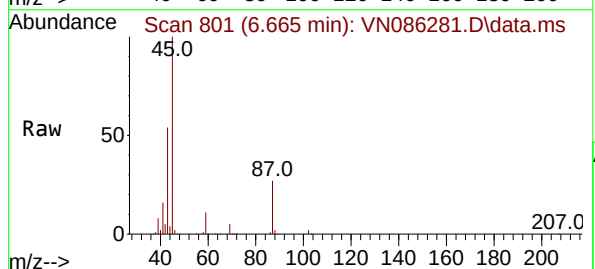
Manual Integrations
APPROVED

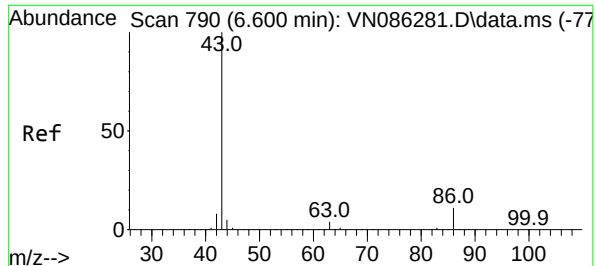
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#22
Diisopropyl ether
Concen: 46.345 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Tgt Ion: 45 Resp: 471385
Ion Ratio Lower Upper
45 100
43 52.3 41.8 62.8
87 27.0 21.6 32.4
59 11.2 9.0 13.4





#23

Vinyl Acetate

Concen: 233.153 ug/l

RT: 6.600 min Scan# 790

Delta R.T. 0.000 min

Lab File: VN086281.D

Acq: 15 Apr 2025 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 1657348

Ion Ratio Lower Upper

43 100

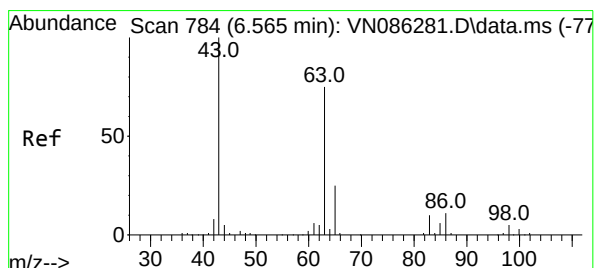
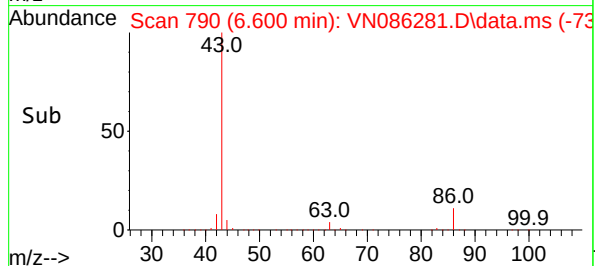
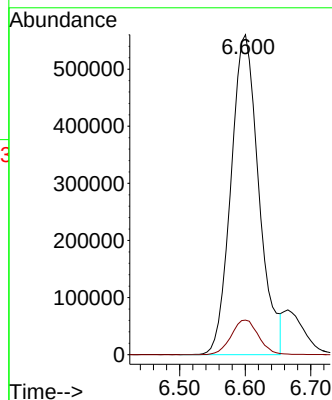
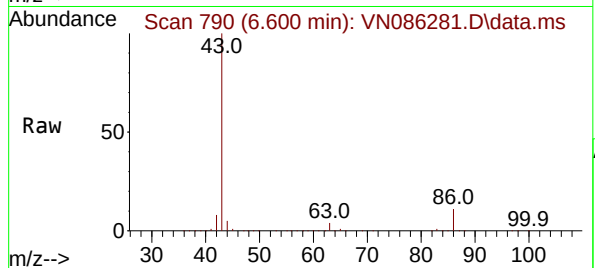
86 10.8 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#24

1,1-Dichloroethane

Concen: 47.310 ug/l

RT: 6.565 min Scan# 784

Delta R.T. 0.000 min

Lab File: VN086281.D

Acq: 15 Apr 2025 13:51

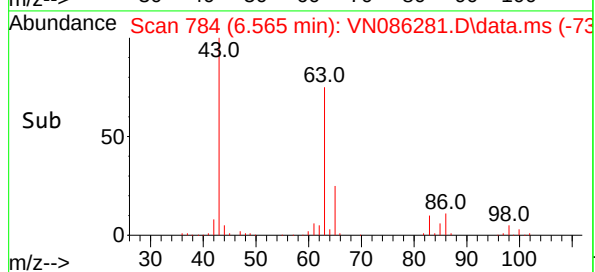
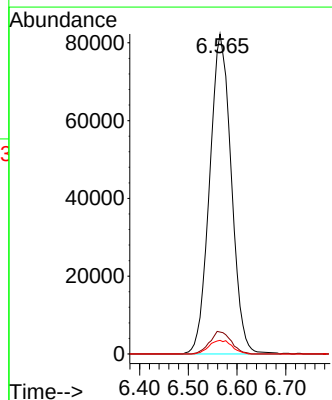
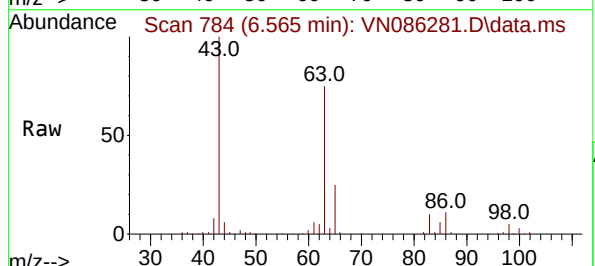
Tgt Ion: 63 Resp: 253896

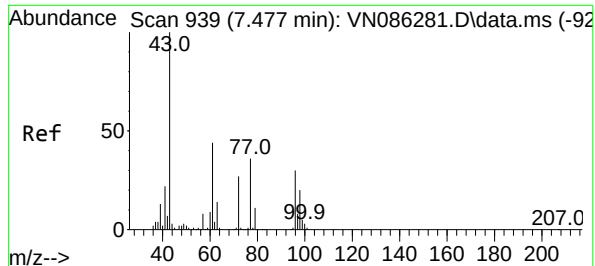
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 235.633 ug/l

RT: 7.477 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN086281.D

Acq: 15 Apr 2025 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 47528

Ion Ratio Lower Upper

43 100

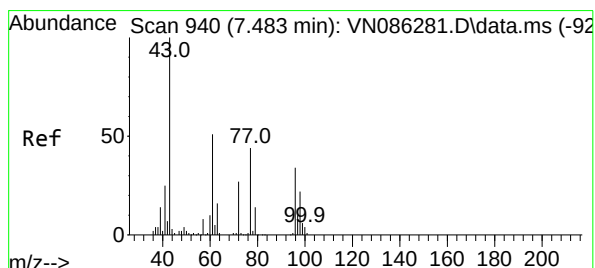
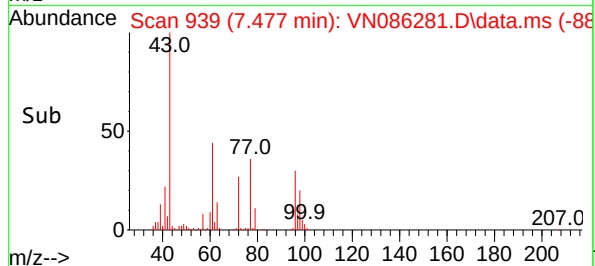
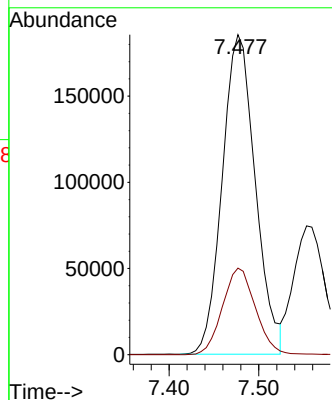
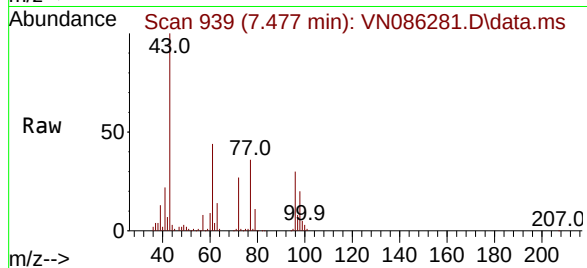
72 27.1 21.7 32.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#26

2,2-Dichloropropane

Concen: 45.729 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.000 min

Lab File: VN086281.D

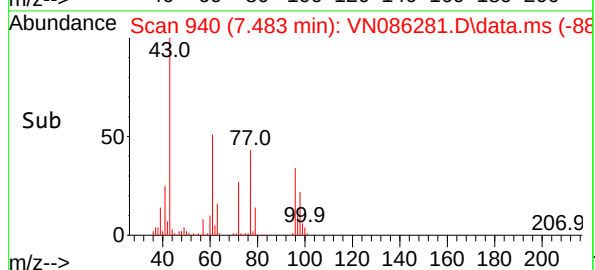
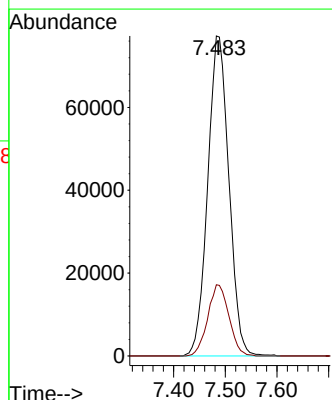
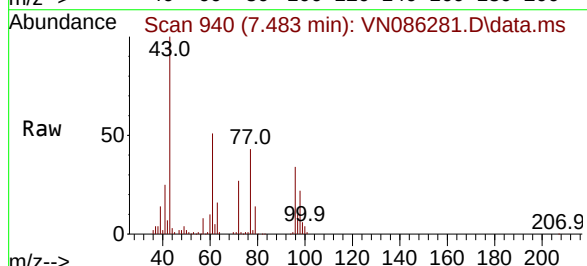
Acq: 15 Apr 2025 13:51

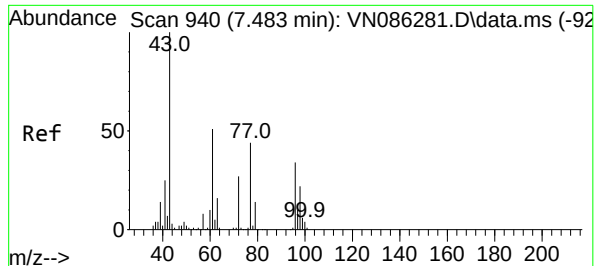
Tgt Ion: 77 Resp: 219735

Ion Ratio Lower Upper

77 100

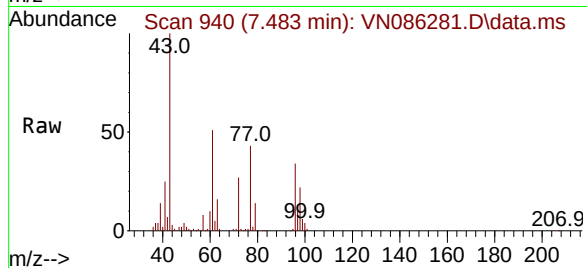
97 22.3 11.2 33.5





#27
cis-1,2-Dichloroethene
Concen: 46.722 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

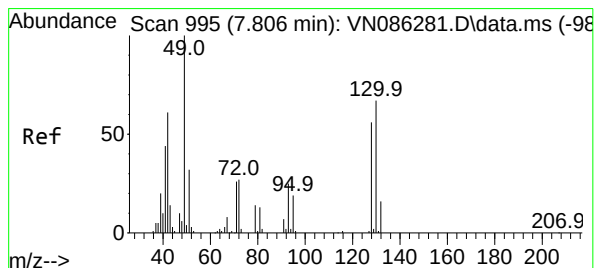
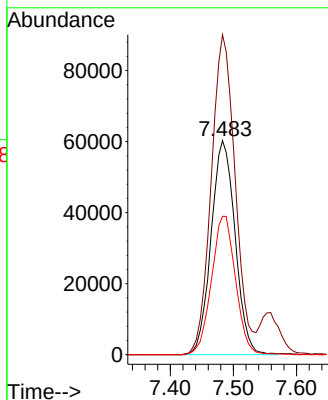
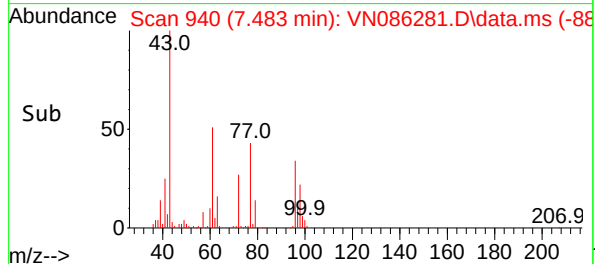
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 96 Resp: 159460
Ion Ratio Lower Upper
96 100
61 149.5 0.0 299.0
98 64.8 0.0 129.6

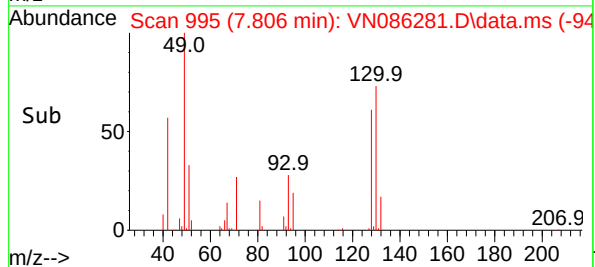
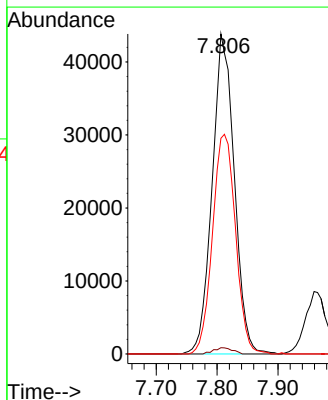
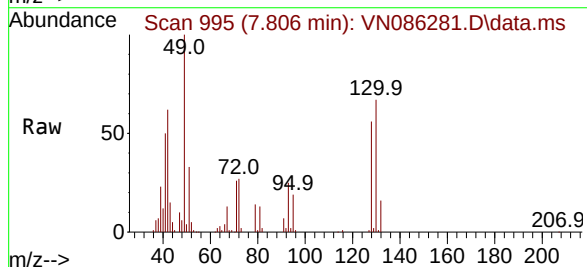
Manual Integrations
APPROVED

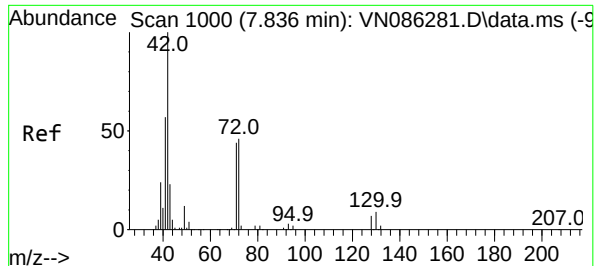
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#28
Bromochloromethane
Concen: 48.660 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Tgt Ion: 49 Resp: 110726
Ion Ratio Lower Upper
49 100
129 1.7 0.0 3.4
130 71.4 57.1 85.7





#29

Tetrahydrofuran

Concen: 232.739 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VN086281.D

Acq: 15 Apr 2025 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

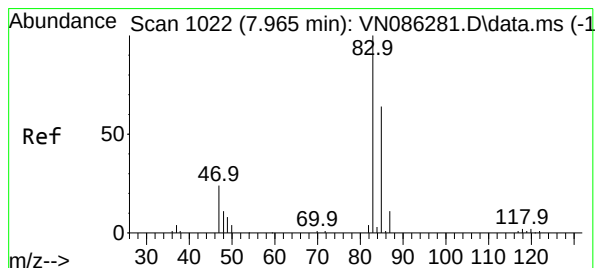
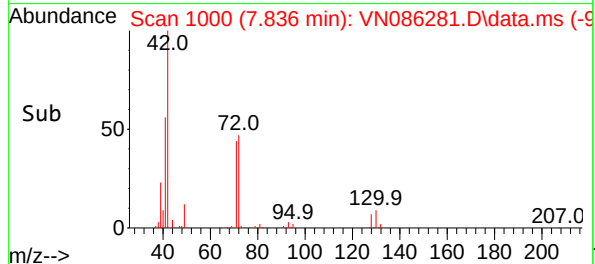
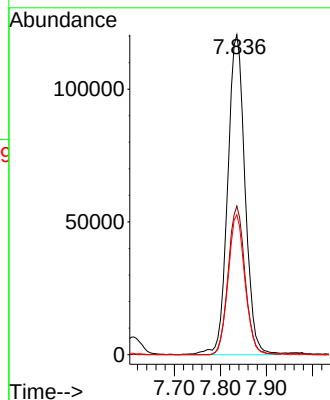
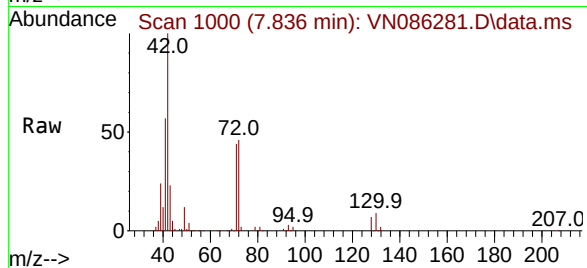
Tgt Ion:	42	Resp:	313920
Ion	Ratio	Lower	Upper
42	100		
72	45.3	36.2	54.4
71	42.5	34.0	51.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#30

Chloroform

Concen: 46.823 ug/l

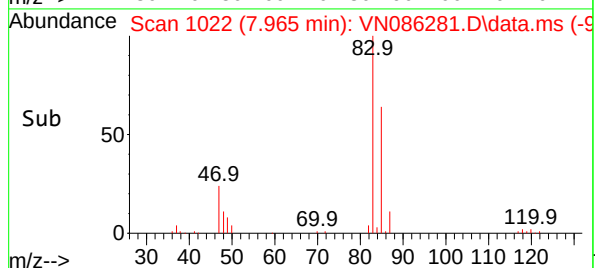
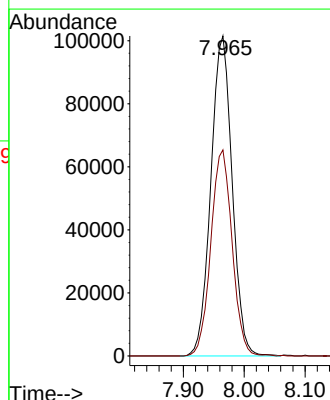
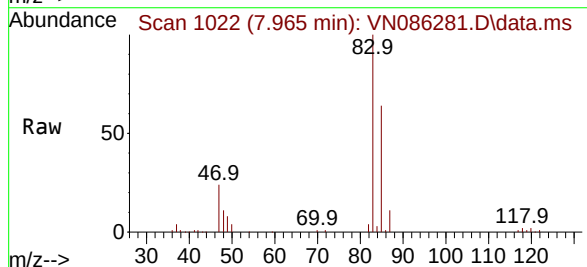
RT: 7.965 min Scan# 1022

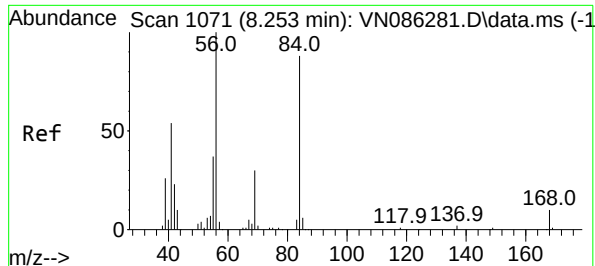
Delta R.T. 0.000 min

Lab File: VN086281.D

Acq: 15 Apr 2025 13:51

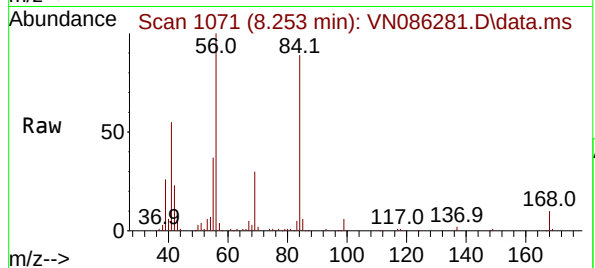
Tgt Ion:	83	Resp:	246843
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3





#31
Cyclohexane
Concen: 45.343 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

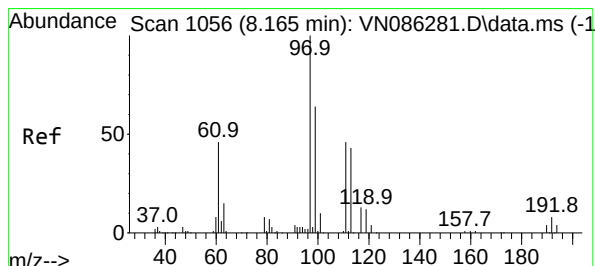
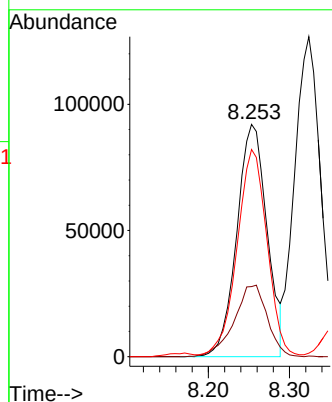
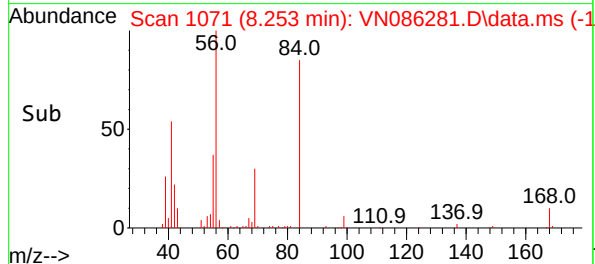
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 56 Resp: 23811
Ion Ratio Lower Upper
56 100
69 30.2 24.2 36.2
84 87.9 70.3 105.5

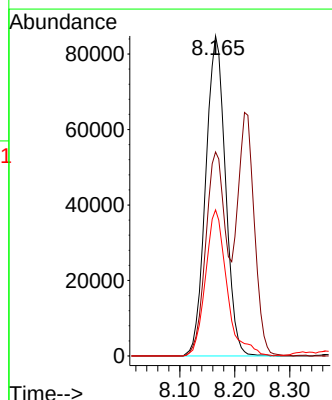
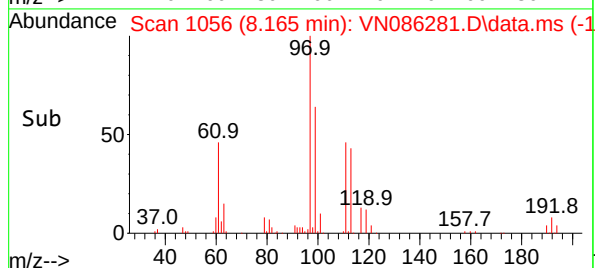
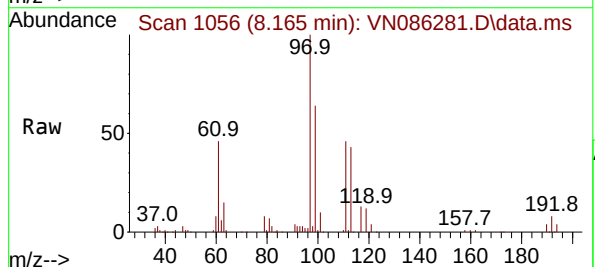
Manual Integrations
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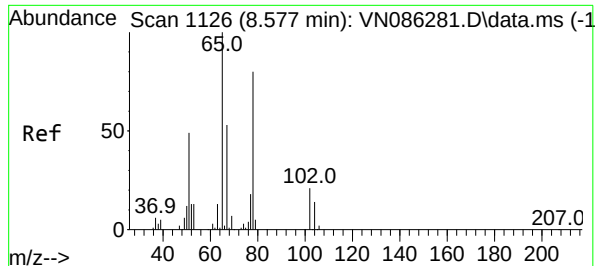
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#32
1,1,1-Trichloroethane
Concen: 47.013 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Tgt Ion: 97 Resp: 212021
Ion Ratio Lower Upper
97 100
99 65.9 52.7 79.1
61 49.4 39.5 59.3





#33

1,2-Dichloroethane-d4

Concen: 49.609 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086281.D

Acq: 15 Apr 2025 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 160758

Ion Ratio Lower Upper

65 100

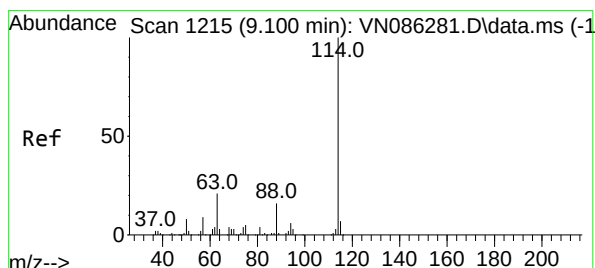
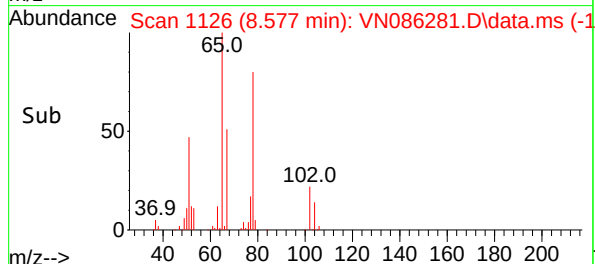
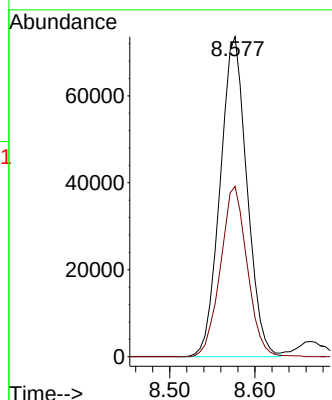
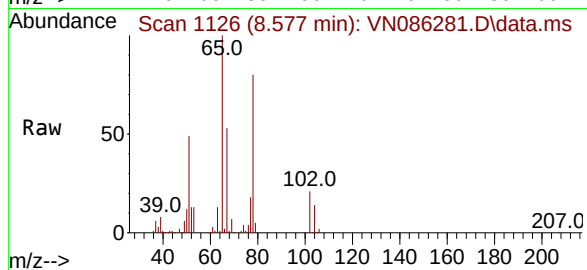
67 53.0 0.0 106.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN086281.D

Acq: 15 Apr 2025 13:51

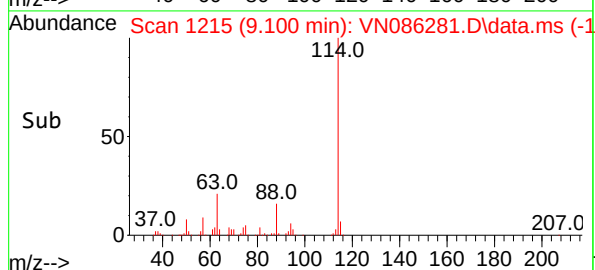
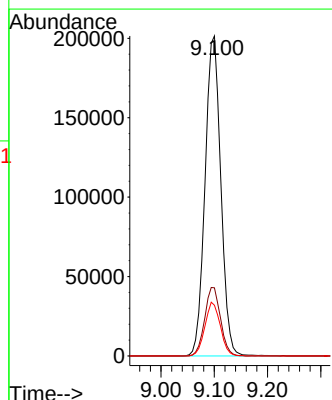
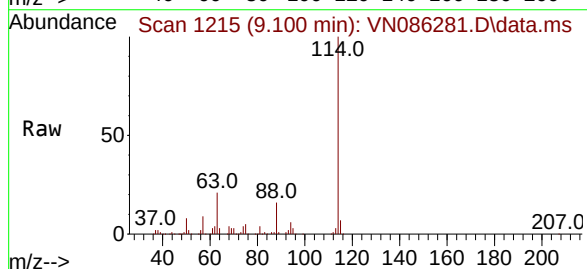
Tgt Ion:114 Resp: 413969

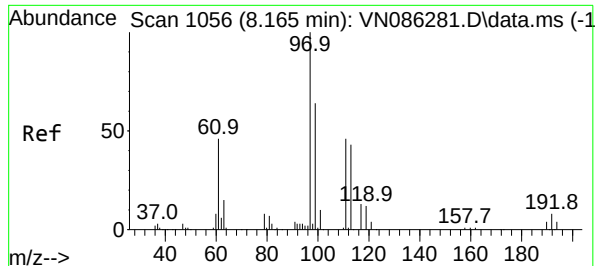
Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.6

88 15.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 46.238 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086281.D

Acq: 15 Apr 2025 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:113 Resp: 88830

Ion Ratio Lower Upper

113 100

111 104.2 83.4 125.0

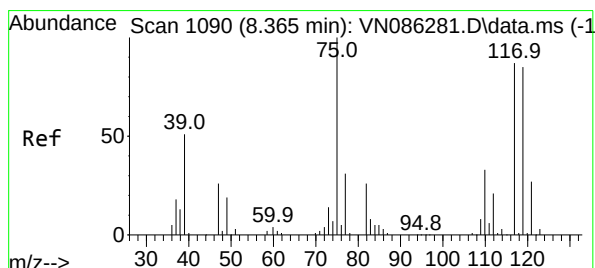
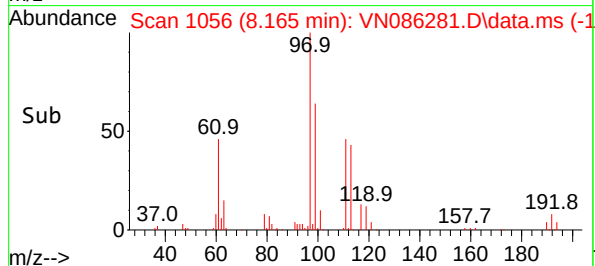
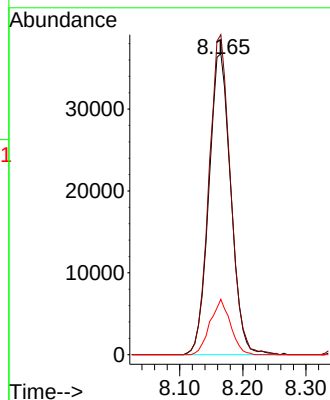
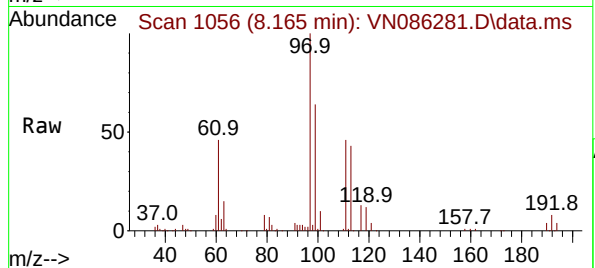
192 17.1 13.7 20.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#36

1,1-Dichloropropene

Concen: 47.752 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. 0.000 min

Lab File: VN086281.D

Acq: 15 Apr 2025 13:51

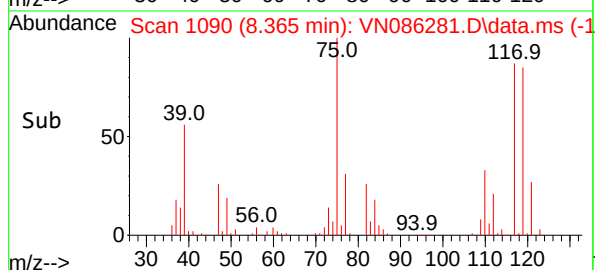
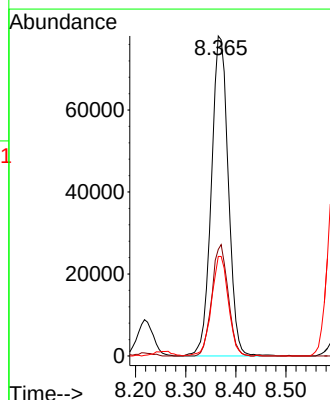
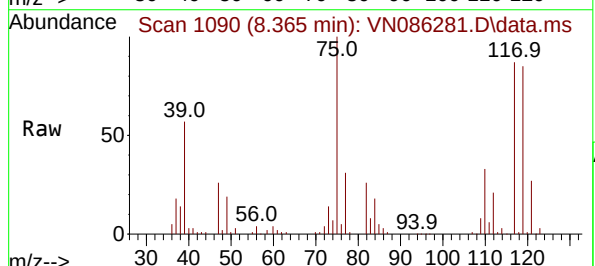
Tgt Ion: 75 Resp: 183246

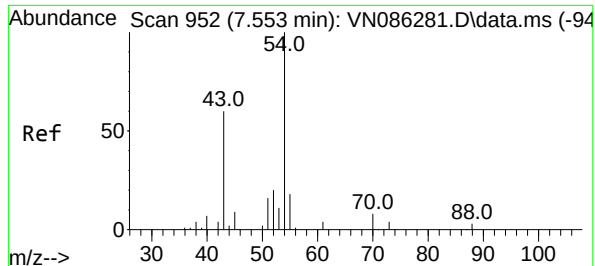
Ion Ratio Lower Upper

75 100

110 33.6 16.8 50.4

77 31.1 24.9 37.3





#37

Ethyl Acetate

Concen: 45.750 ug/l

RT: 7.553 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN086281.D

Acq: 15 Apr 2025 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 184834

Ion Ratio Lower Upper

43 100

61 13.9 11.1 16.7

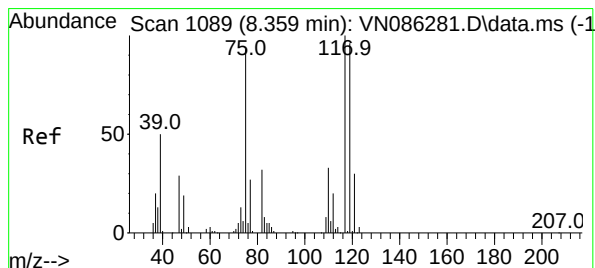
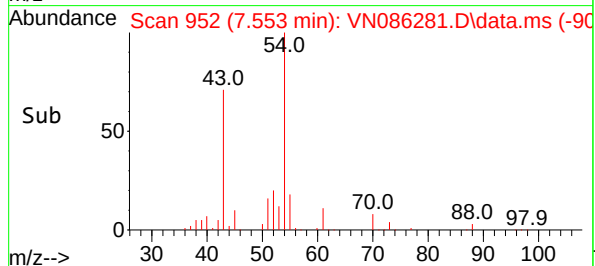
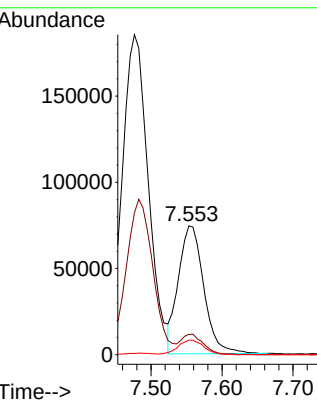
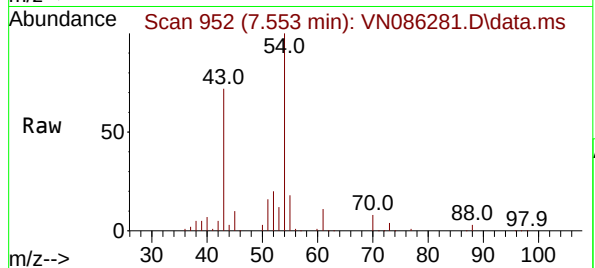
70 11.5 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#38

Carbon Tetrachloride

Concen: 47.912 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VN086281.D

Acq: 15 Apr 2025 13:51

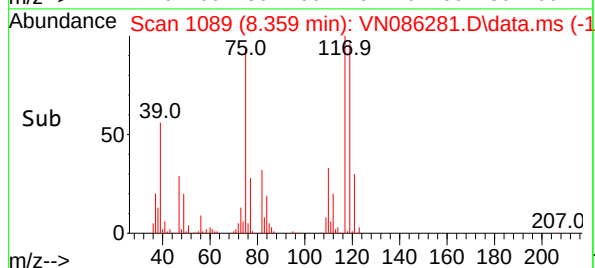
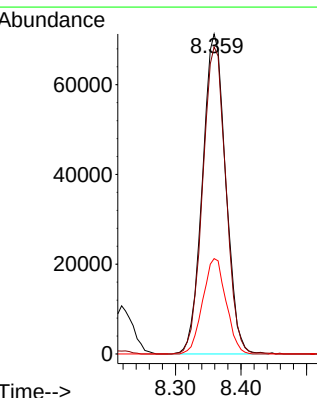
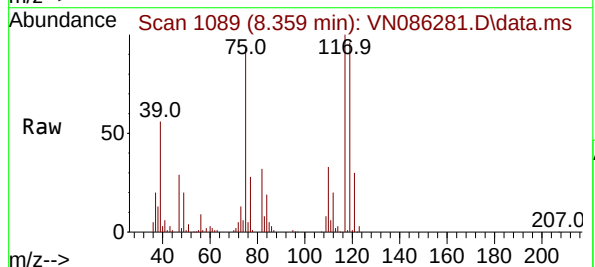
Tgt Ion:117 Resp: 175094

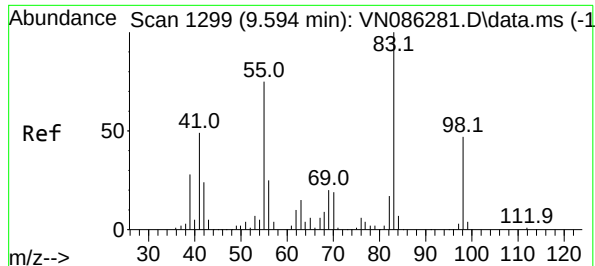
Ion Ratio Lower Upper

117 100

119 96.0 76.8 115.2

121 29.8 23.8 35.8





#39

Methylcyclohexane

Concen: 47.515 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. 0.000 min

Lab File: VN086281.D

Acq: 15 Apr 2025 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 21672

Ion Ratio Lower Upper

83 100

55 74.8 59.8 89.8

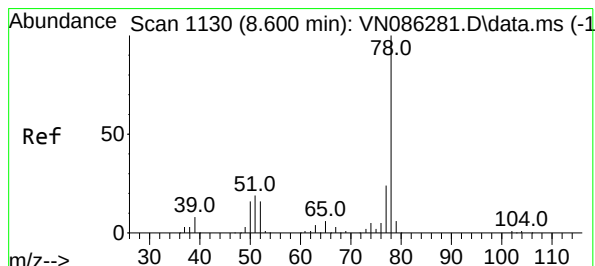
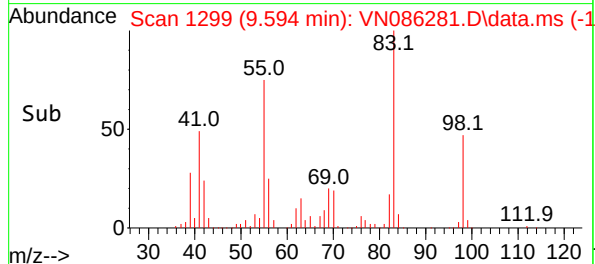
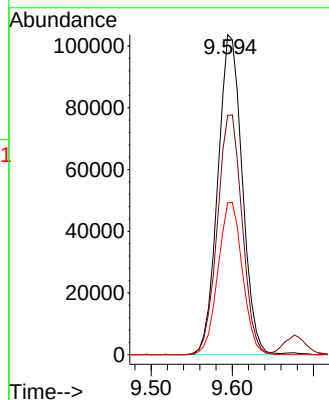
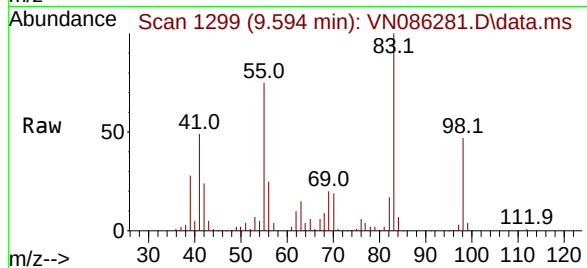
98 47.4 37.9 56.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#40

Benzene

Concen: 47.443 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN086281.D

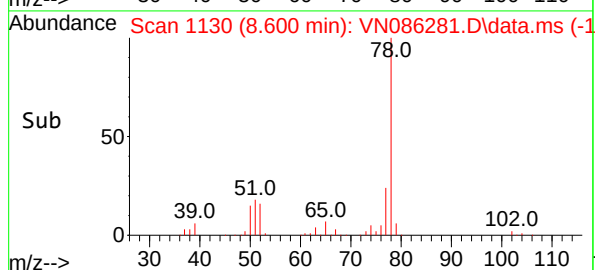
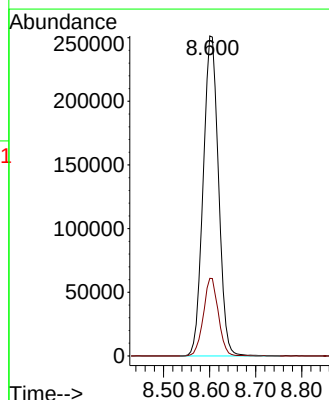
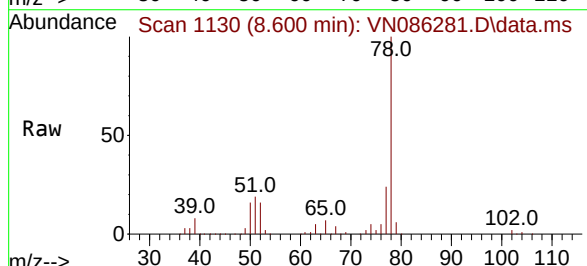
Acq: 15 Apr 2025 13:51

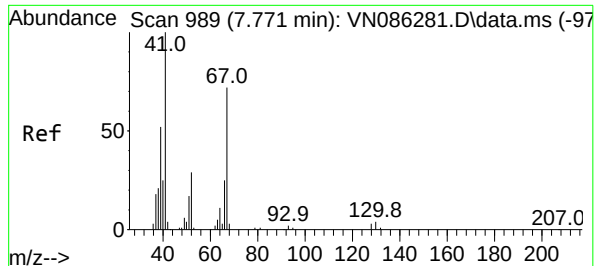
Tgt Ion: 78 Resp: 583316

Ion Ratio Lower Upper

78 100

77 24.3 19.4 29.2





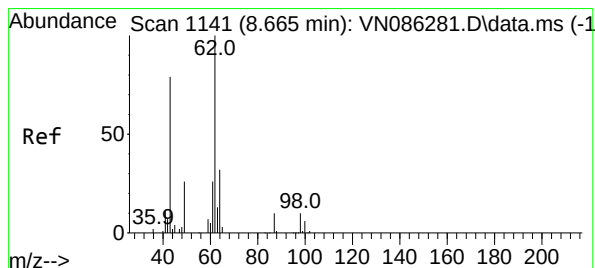
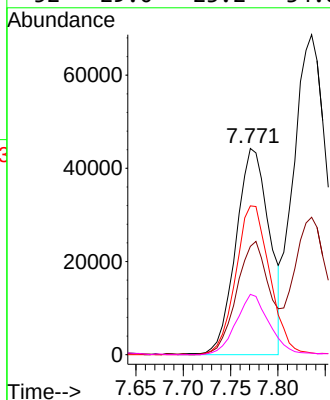
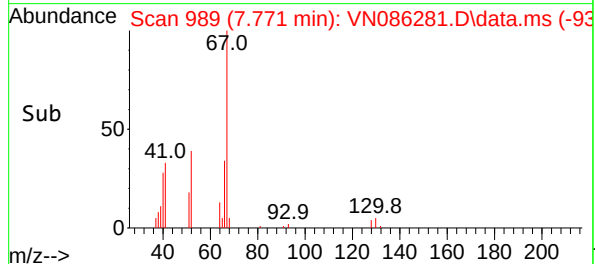
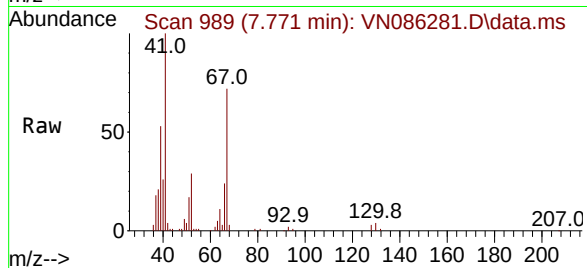
#41
Methacrylonitrile
Concen: 46.643 ug/l
RT: 7.771 min Scan# 989
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 109214
Ion Ratio Lower Upper
41 100
39 53.7 43.0 64.4
67 73.5 58.8 88.2
52 29.0 23.2 34.8

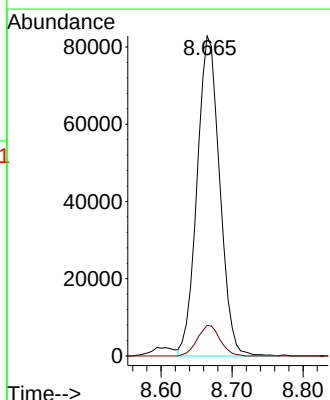
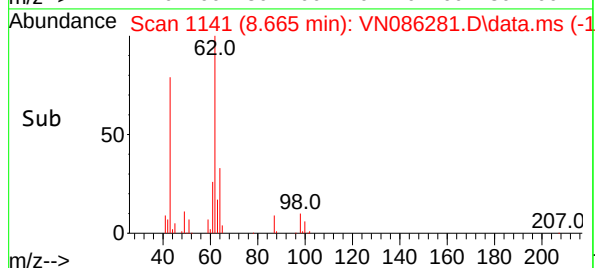
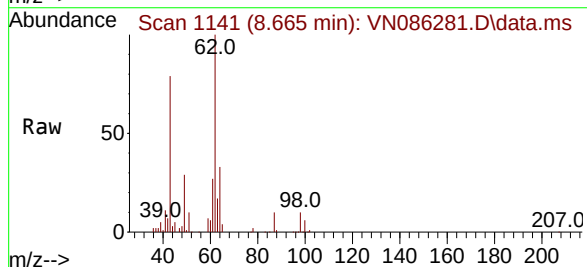
Manual Integrations
APPROVED

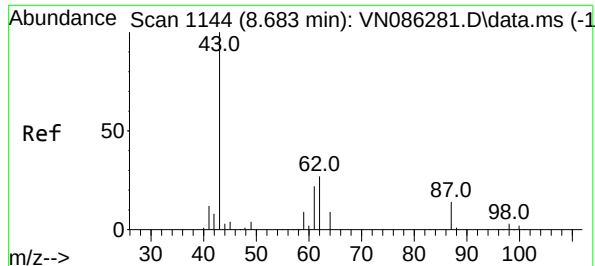
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#42
1,2-Dichloroethane
Concen: 46.892 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Tgt Ion: 62 Resp: 183854
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.2





#43

Isopropyl Acetate

Concen: 49.550 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN086281.D

Acq: 15 Apr 2025 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

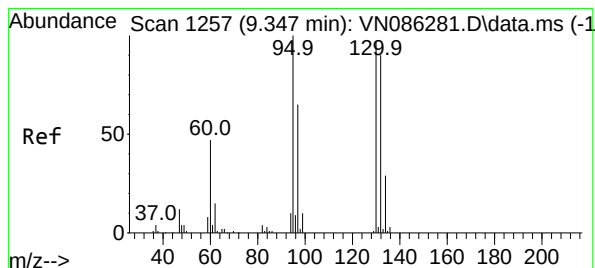
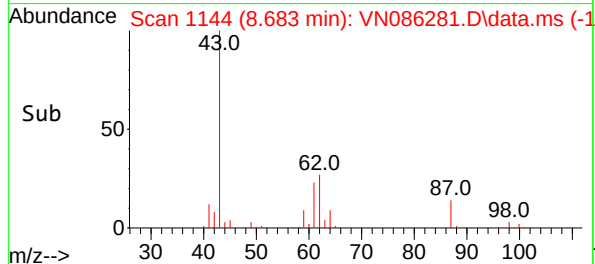
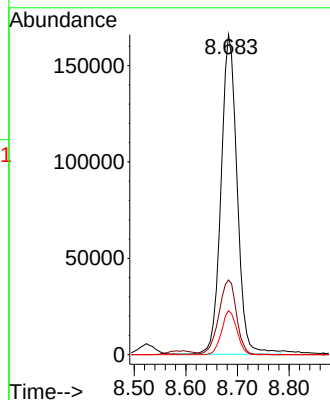
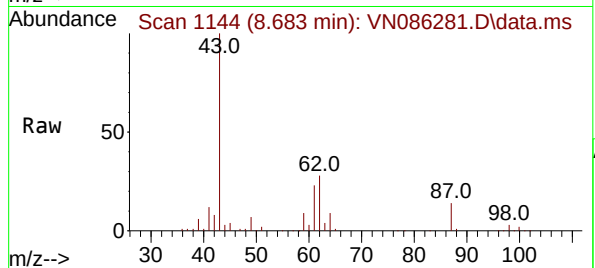
Tgt Ion:	43	Resp:	35832
Ion	Ratio	Lower	Upper
43	100		
61	25.6	20.5	30.7
87	13.1	10.5	15.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#44

Trichloroethene

Concen: 48.039 ug/l

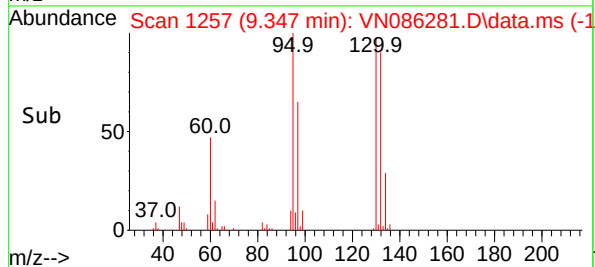
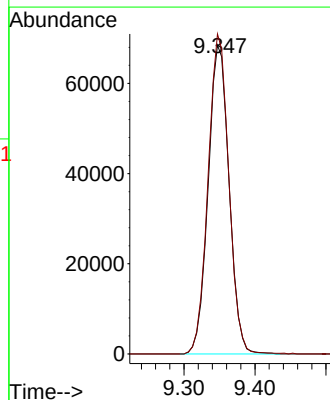
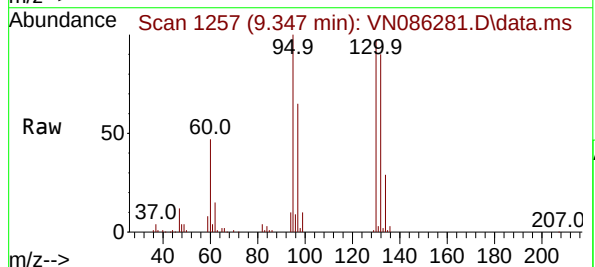
RT: 9.347 min Scan# 1257

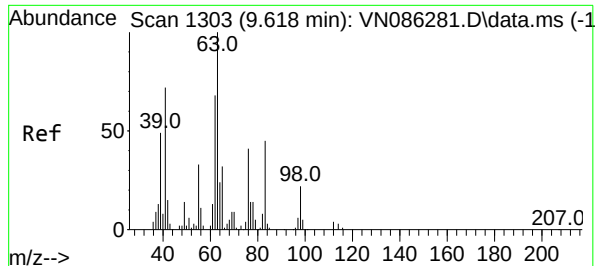
Delta R.T. 0.000 min

Lab File: VN086281.D

Acq: 15 Apr 2025 13:51

Tgt Ion:	130	Resp:	139993
Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	207.2





#45

1,2-Dichloropropane

Concen: 48.011 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN086281.D

Acq: 15 Apr 2025 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 144490

Ion Ratio Lower Upper

63 100

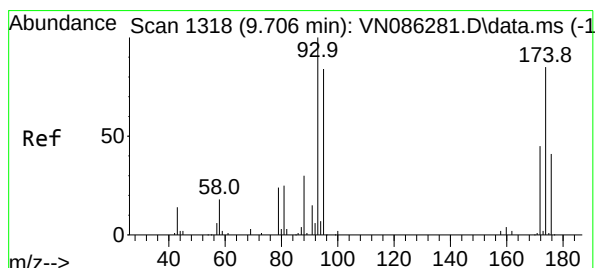
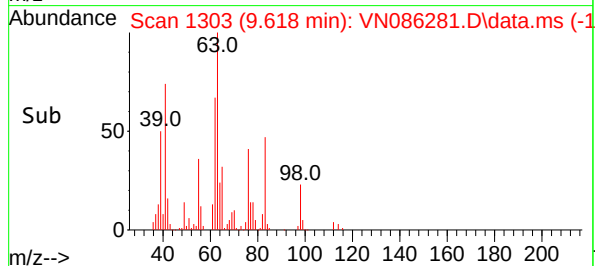
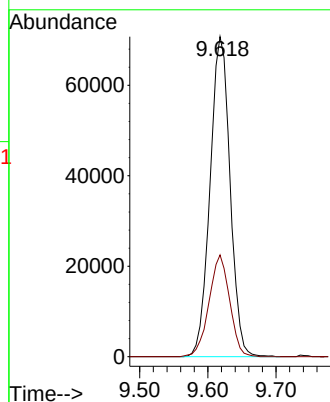
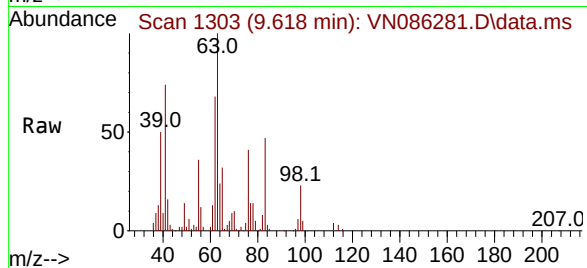
65 31.8 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#46

Dibromomethane

Concen: 49.002 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086281.D

Acq: 15 Apr 2025 13:51

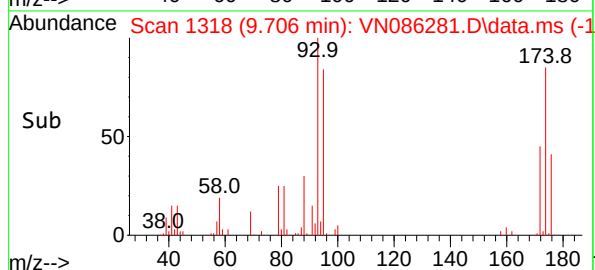
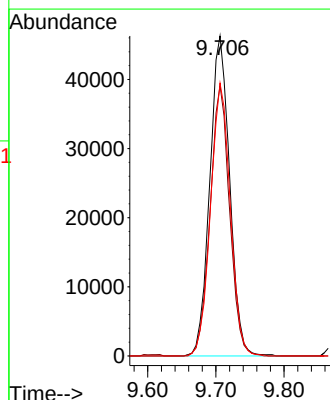
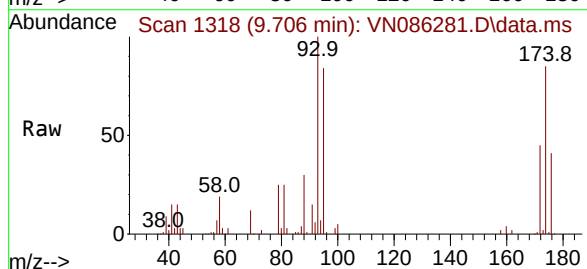
Tgt Ion: 93 Resp: 93965

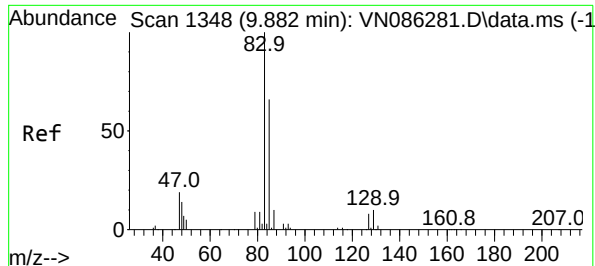
Ion Ratio Lower Upper

93 100

95 82.8 66.2 99.4

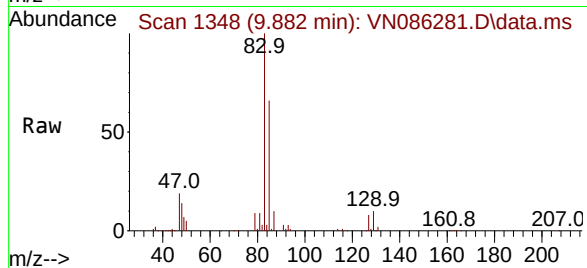
174 84.7 67.8 101.6





#47
Bromodichloromethane
Concen: 47.516 ug/l
RT: 9.882 min Scan# 1348
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

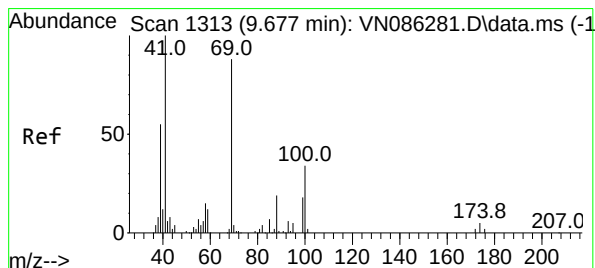
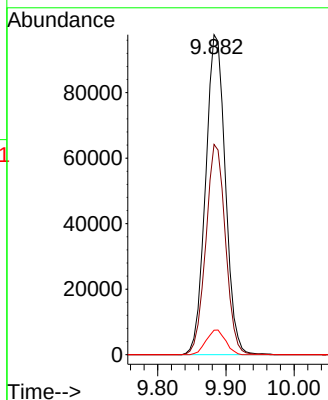
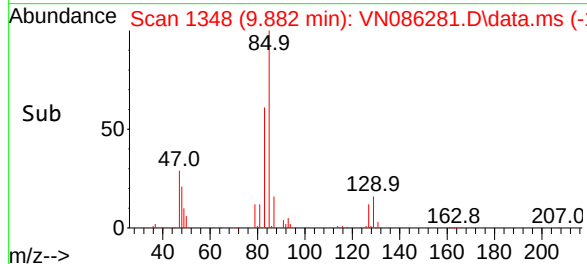
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 83 Resp: 196793
Ion Ratio Lower Upper
83 100
85 65.7 52.6 78.8
127 7.6 6.1 9.1

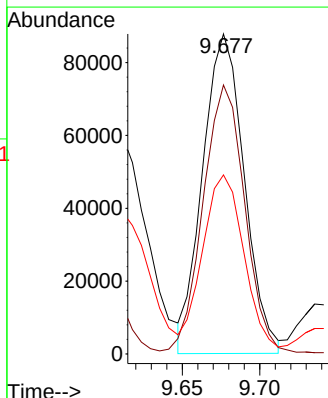
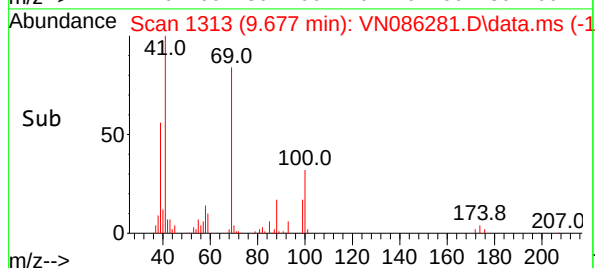
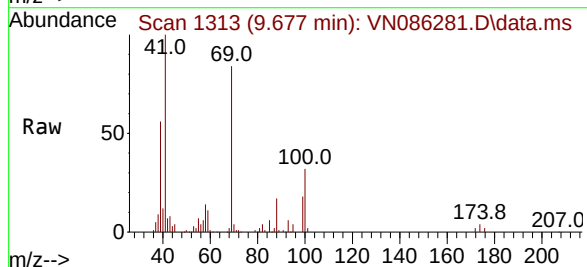
Manual Integrations
APPROVED

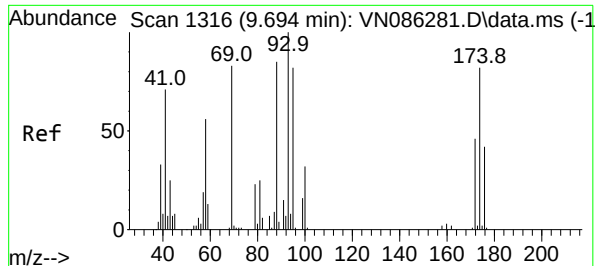
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#48
Methyl methacrylate
Concen: 46.146 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Tgt Ion: 41 Resp: 163719
Ion Ratio Lower Upper
41 100
69 85.2 68.2 102.2
39 56.5 45.2 67.8





#49

1,4-Dioxane

Concen: 892.337 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN086281.D

Acq: 15 Apr 2025 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

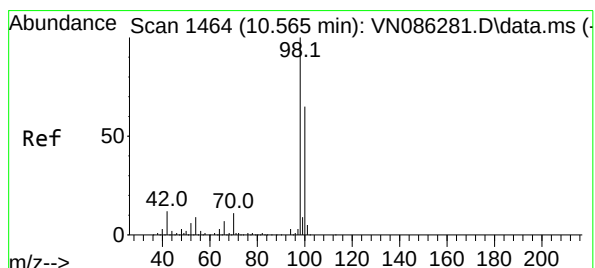
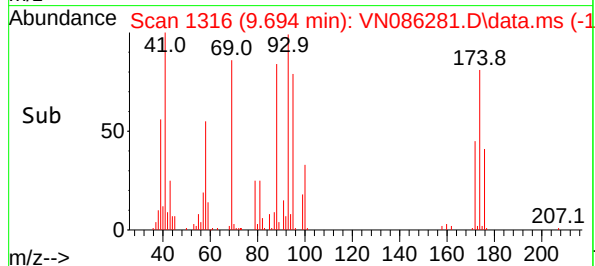
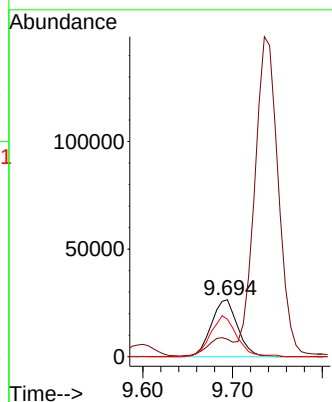
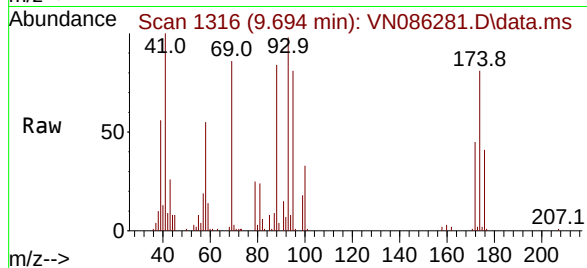
Tgt Ion:	88	Resp:	5385
Ion	Ratio	Lower	Upper
88	100		
43	29.8	23.8	35.8
58	71.8	57.4	86.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#50

Toluene-d8

Concen: 50.426 ug/l

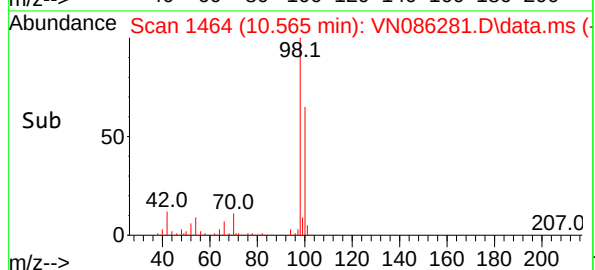
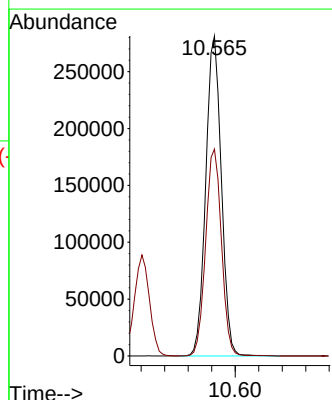
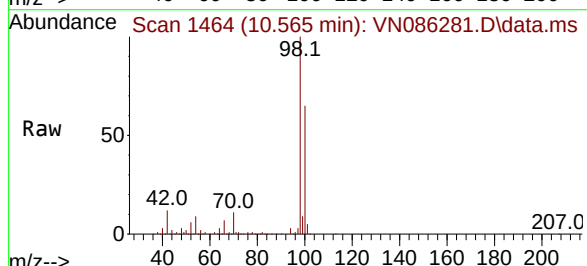
RT: 10.565 min Scan# 1464

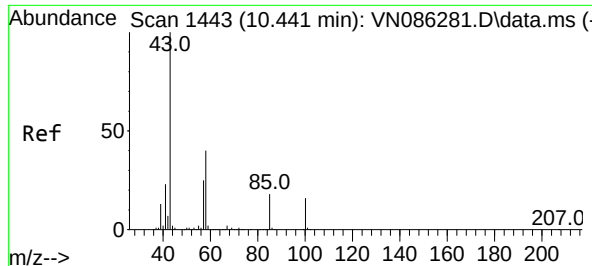
Delta R.T. 0.000 min

Lab File: VN086281.D

Acq: 15 Apr 2025 13:51

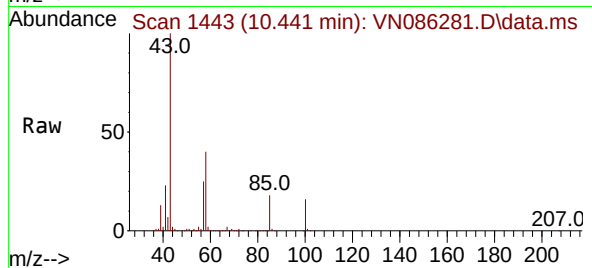
Tgt Ion:	98	Resp:	517785
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.5	78.7





#51
4-Methyl-2-Pentanone
Concen: 241.959 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

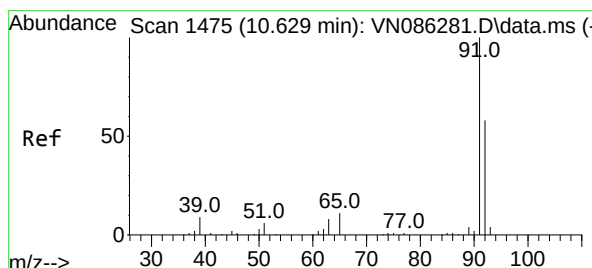
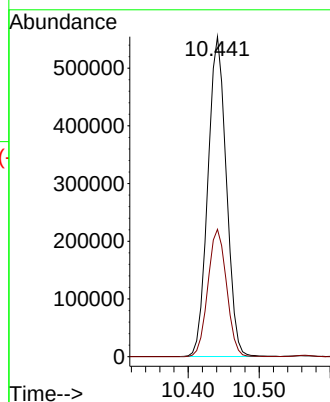
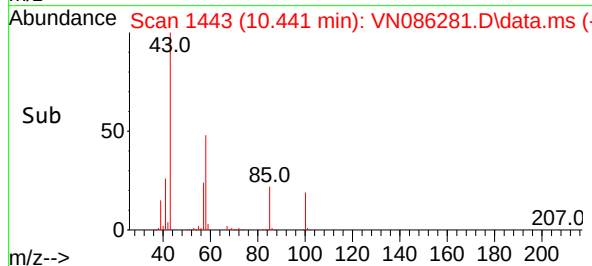
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 1000994
Ion Ratio Lower Upper
43 100
58 40.3 32.2 48.4

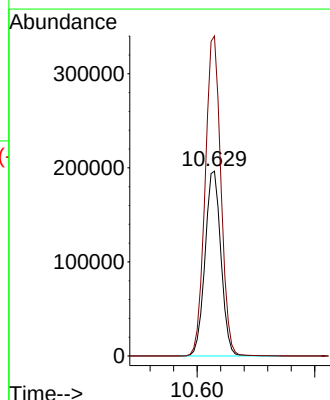
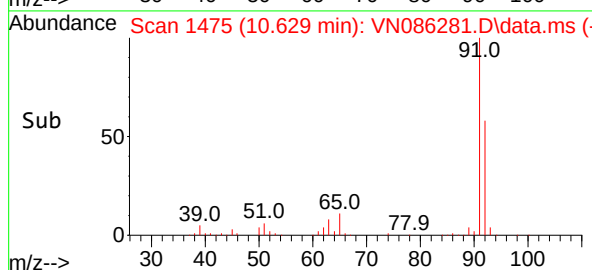
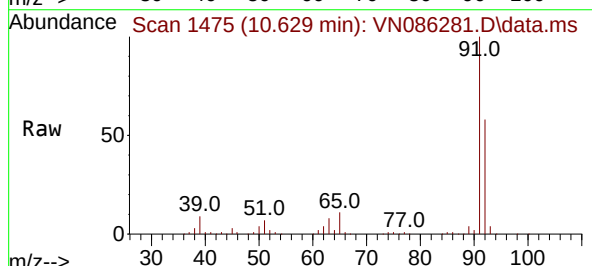
Manual Integrations
APPROVED

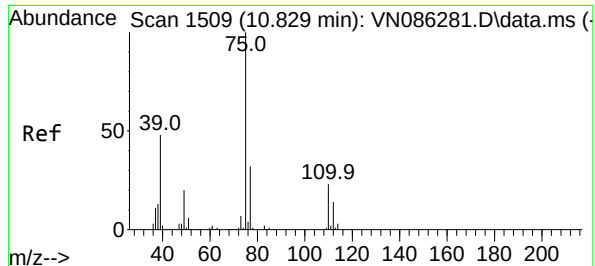
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#52
Toluene
Concen: 48.144 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

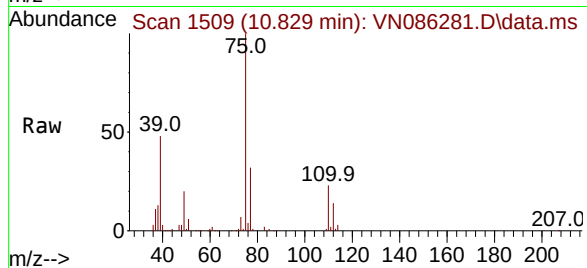
Tgt Ion: 92 Resp: 369349
Ion Ratio Lower Upper
92 100
91 171.6 137.3 205.9





#53
t-1,3-Dichloropropene
Concen: 48.996 ug/l
RT: 10.829 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

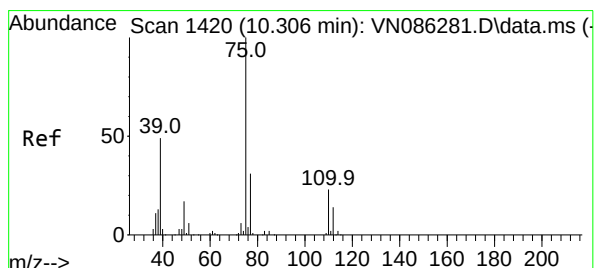
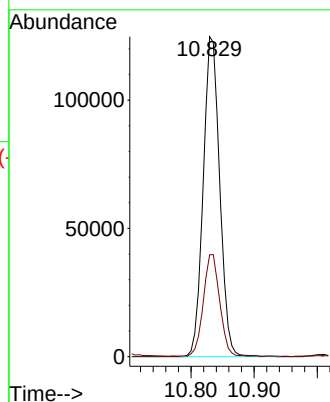
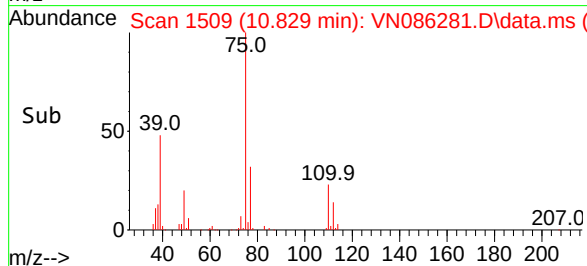
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 75 Resp: 226518
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0

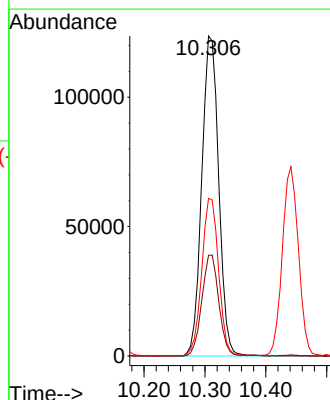
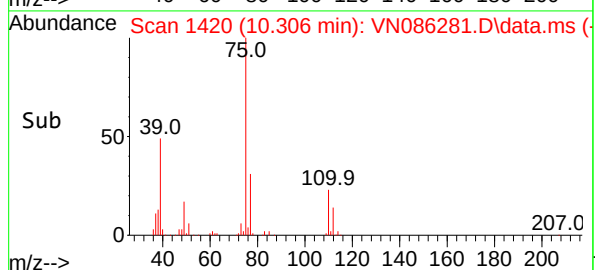
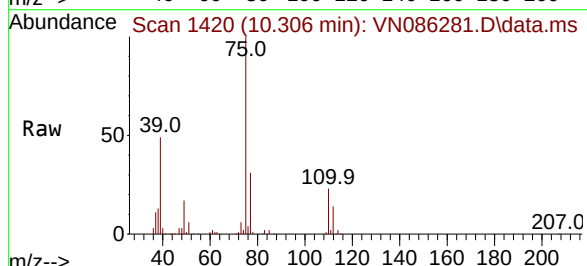
Manual Integrations
APPROVED

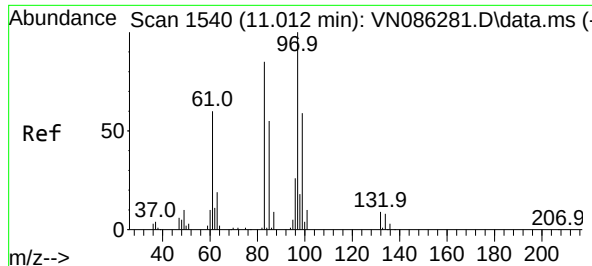
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#54
cis-1,3-Dichloropropene
Concen: 47.021 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

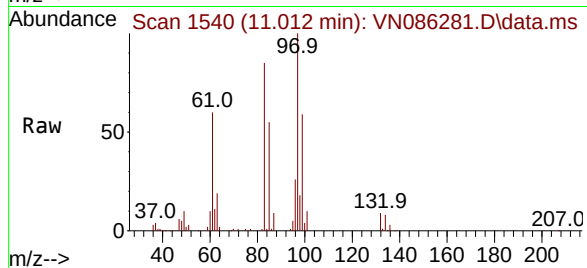
Tgt Ion: 75 Resp: 238764
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8
39 49.1 39.3 58.9





#55
1,1,2-Trichloroethane
Concen: 47.721 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

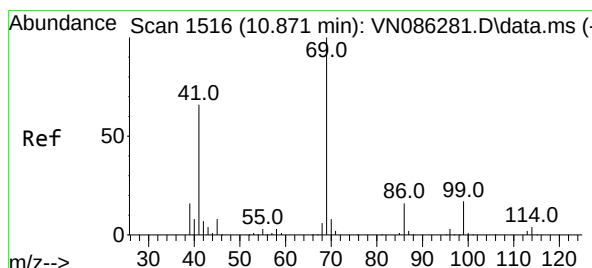
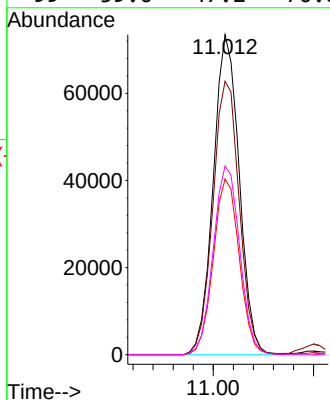
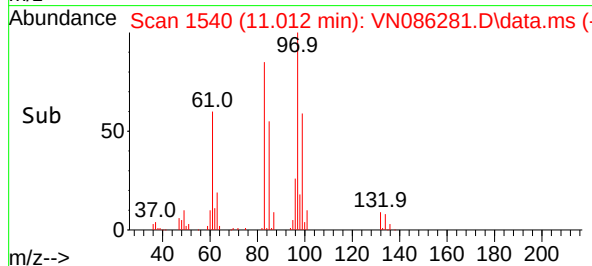
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 97 Resp: 13172
Ion Ratio Lower Upper
97 100
83 85.5 68.4 102.6
85 54.9 43.9 65.9
99 59.0 47.2 70.8

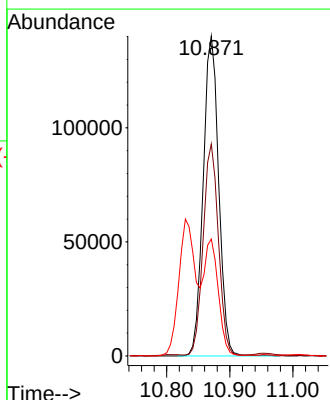
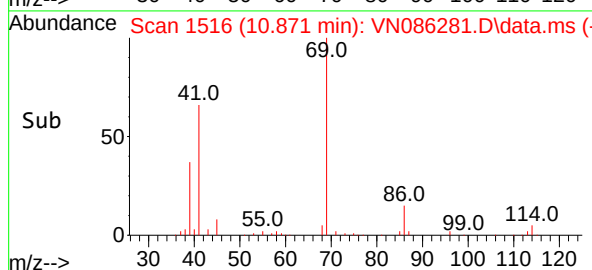
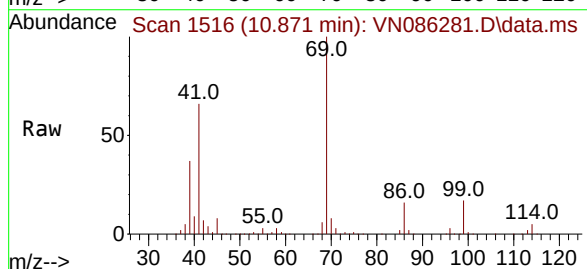
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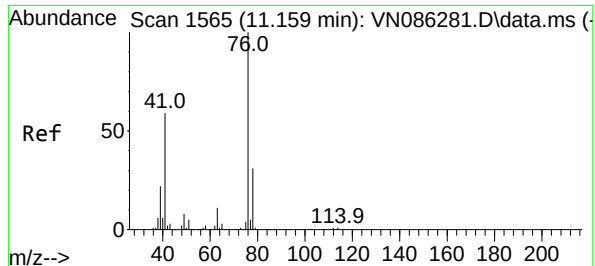
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#56
Ethyl methacrylate
Concen: 47.235 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Tgt Ion: 69 Resp: 239654
Ion Ratio Lower Upper
69 100
41 64.6 51.7 77.5
39 32.9 26.3 39.5





#57

1,3-Dichloropropane

Concen: 47.689 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. 0.000 min

Lab File: VN086281.D

Acq: 15 Apr 2025 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 233548

Ion Ratio Lower Upper

76 100

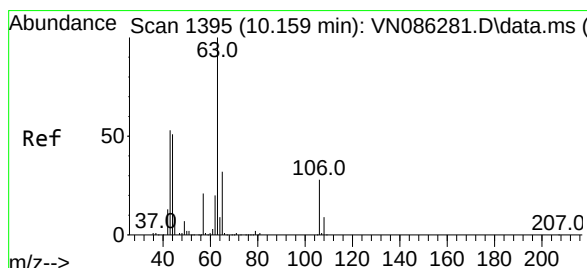
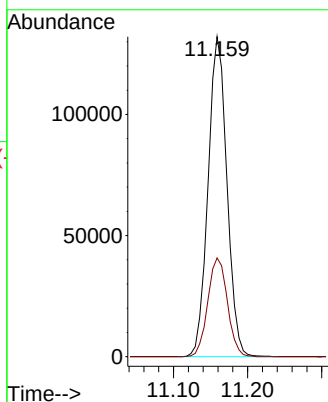
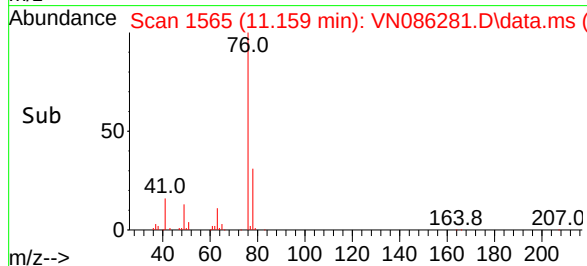
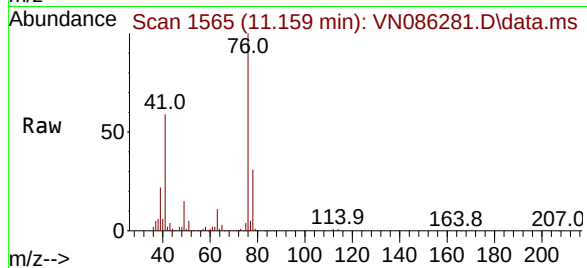
78 32.0 25.6 38.4

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Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#58

2-Chloroethyl Vinyl ether

Concen: 246.859 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN086281.D

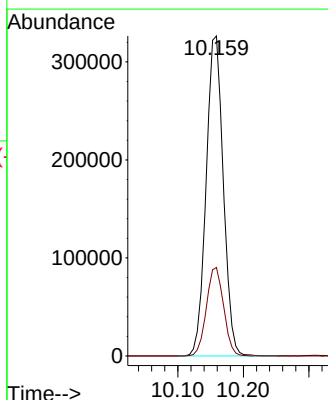
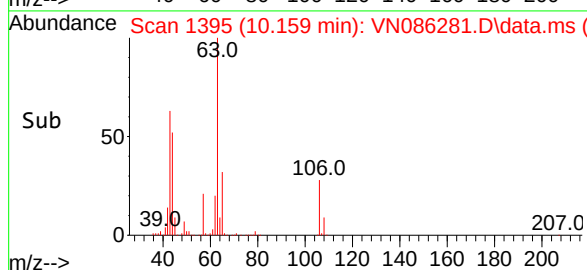
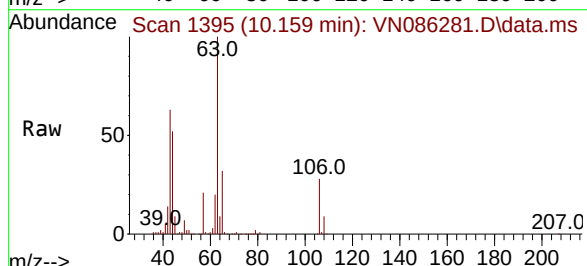
Acq: 15 Apr 2025 13:51

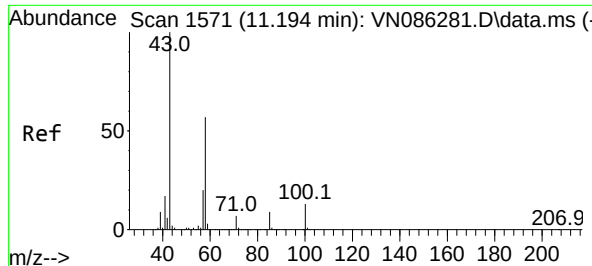
Tgt Ion: 63 Resp: 594475

Ion Ratio Lower Upper

63 100

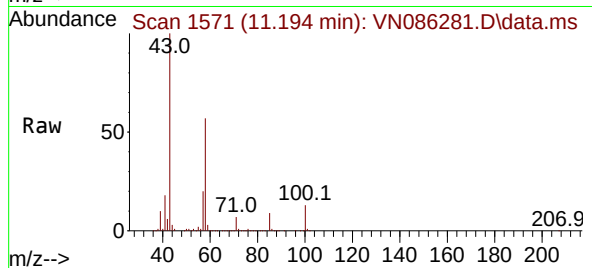
106 27.7 22.2 33.2





#59
2-Hexanone
Concen: 239.414 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

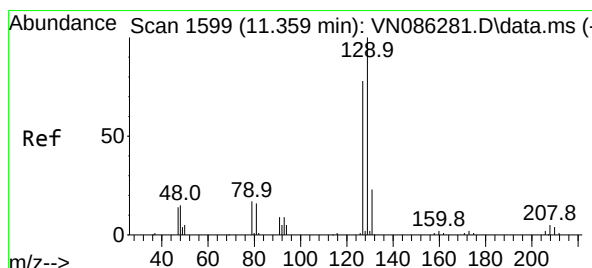
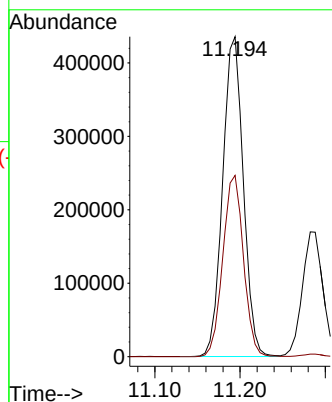
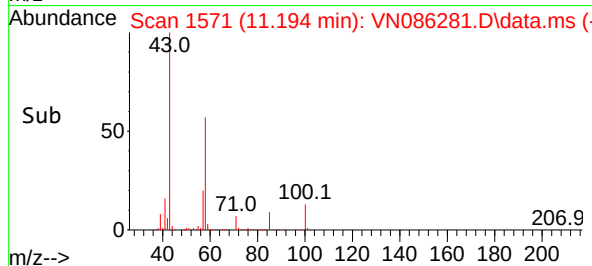
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 734660
Ion Ratio Lower Upper
43 100
58 56.7 28.3 85.0

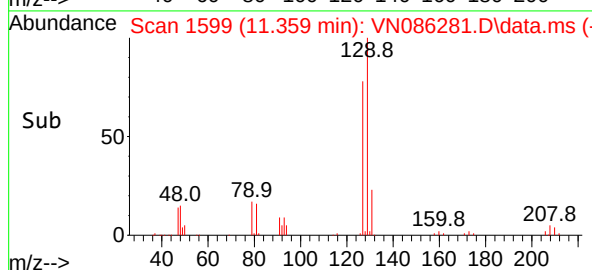
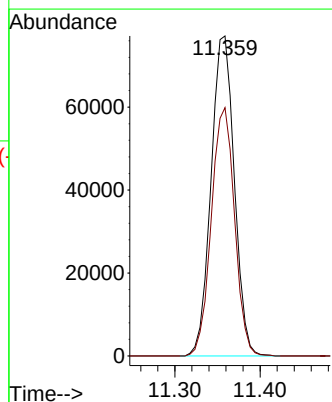
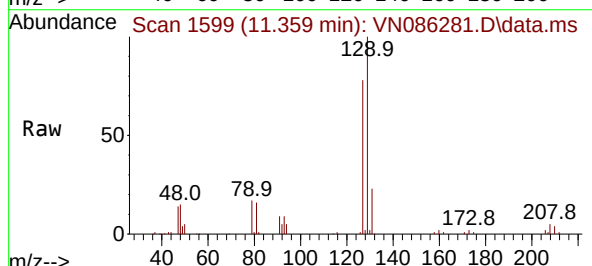
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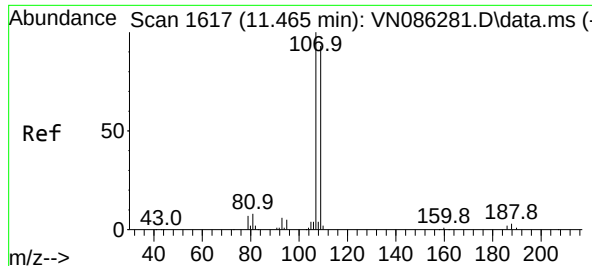
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#60
Dibromochloromethane
Concen: 48.274 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Tgt Ion:129 Resp: 146318
Ion Ratio Lower Upper
129 100
127 77.4 38.7 116.1





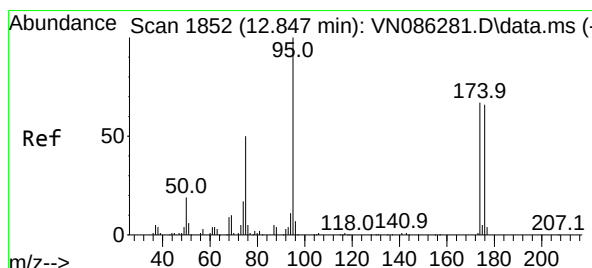
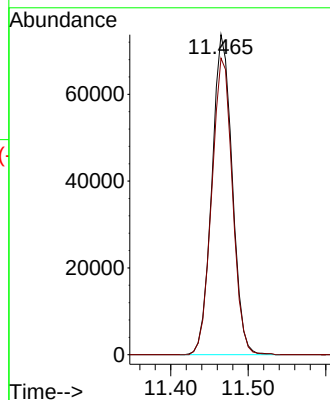
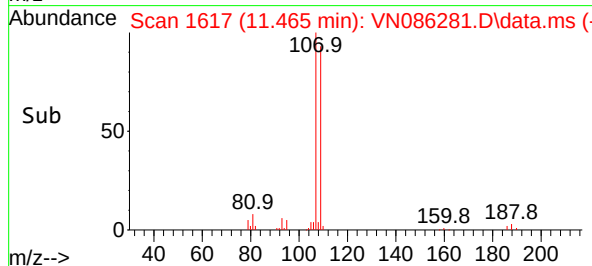
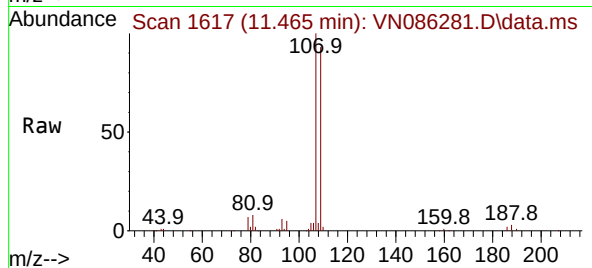
#61
1,2-Dibromoethane
Concen: 48.213 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 13428
Ion Ratio Lower Upper
107 100
109 94.2 75.4 113.0

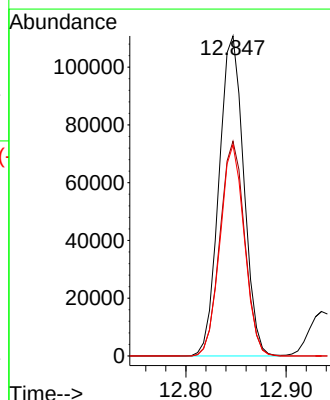
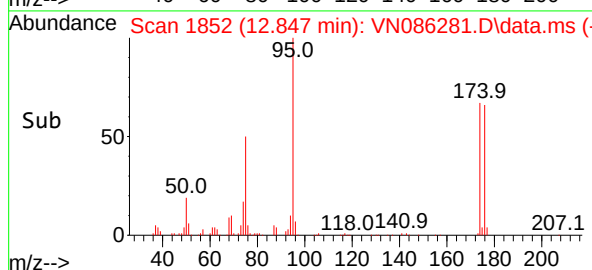
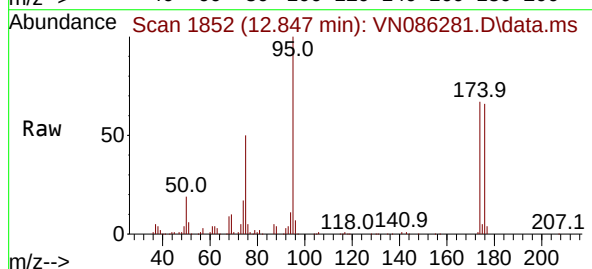
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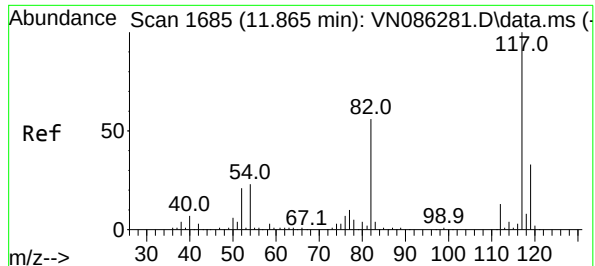
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#62
4-Bromofluorobenzene
Concen: 50.744 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

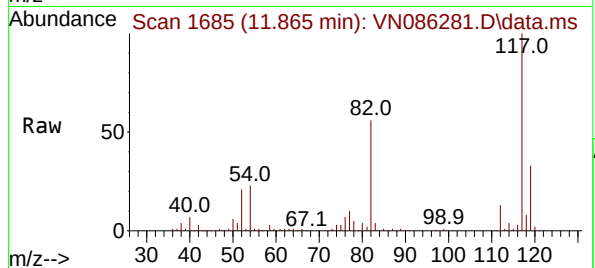
Tgt Ion: 95 Resp: 190049
Ion Ratio Lower Upper
95 100
174 66.7 0.0 133.4
176 64.6 0.0 129.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

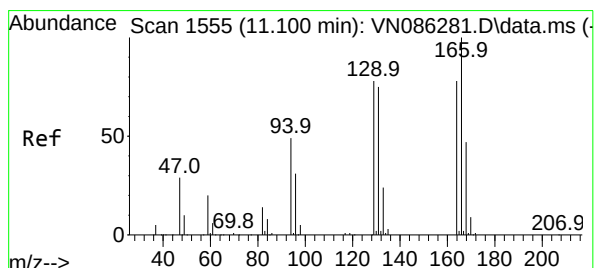
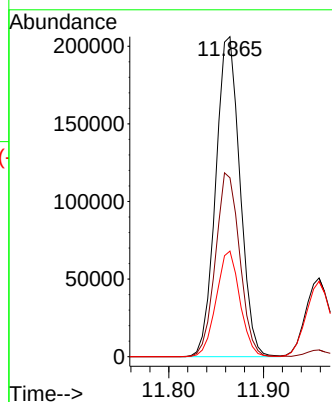
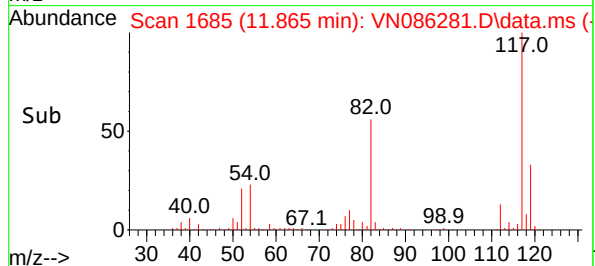
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:117 Resp: 367304
Ion Ratio Lower Upper
117 100
82 55.9 44.7 67.1
119 33.0 26.4 39.6

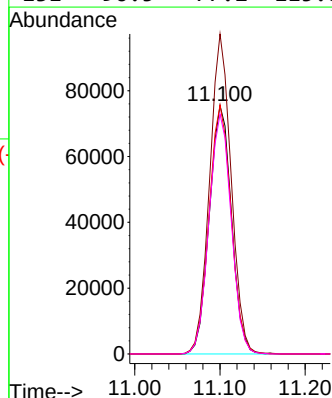
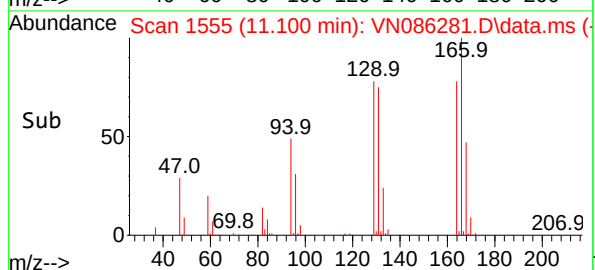
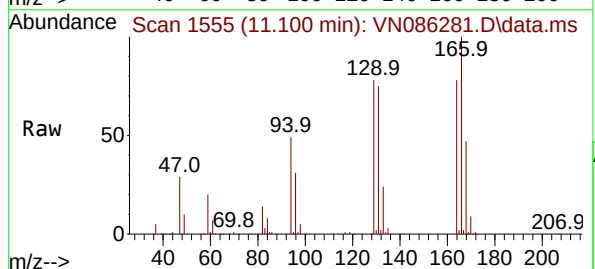
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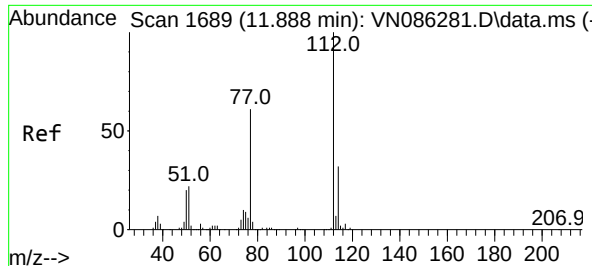
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#64
Tetrachloroethene
Concen: 48.177 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

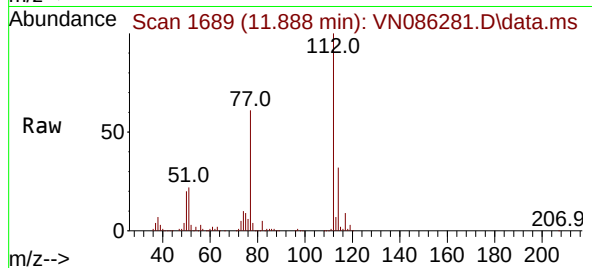
Tgt Ion:164 Resp: 136116
Ion Ratio Lower Upper
164 100
166 128.7 103.0 154.4
129 100.1 80.1 120.1
131 96.5 77.2 115.8





#65
Chlorobenzene
Concen: 47.072 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

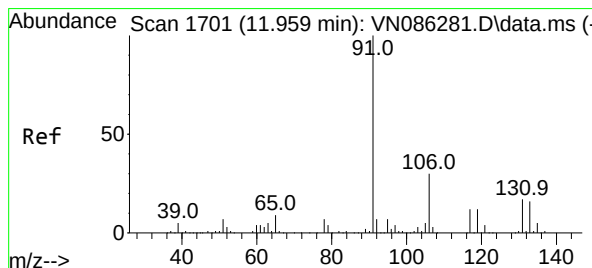
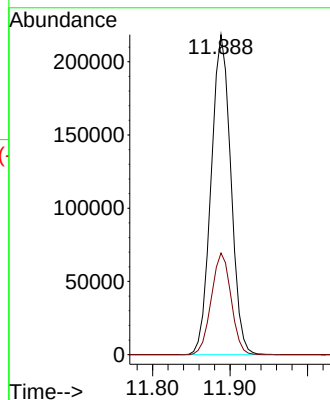
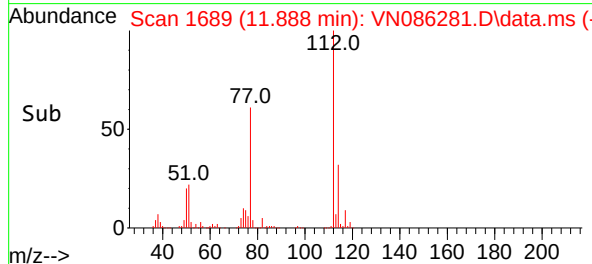
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:112 Resp: 385849
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0

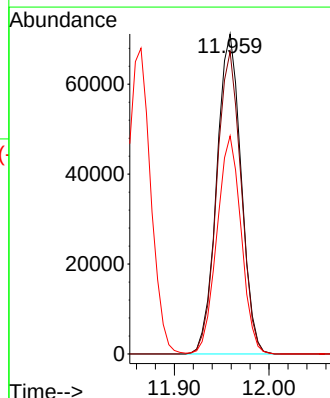
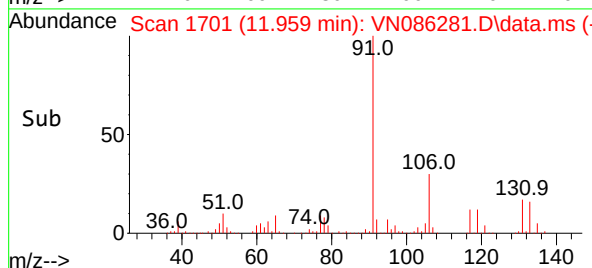
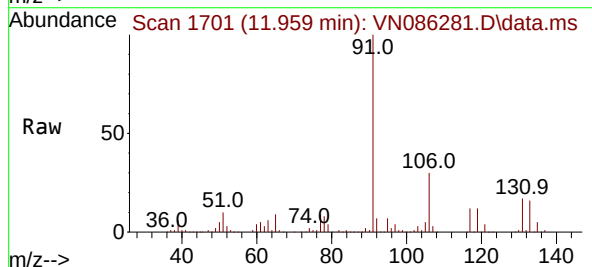
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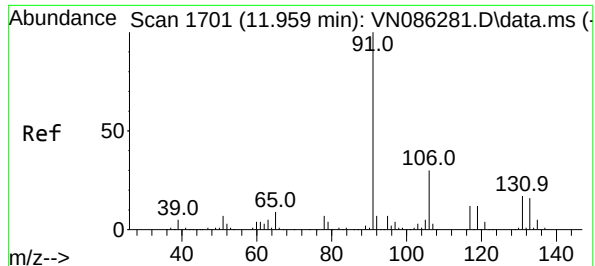
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 47.197 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

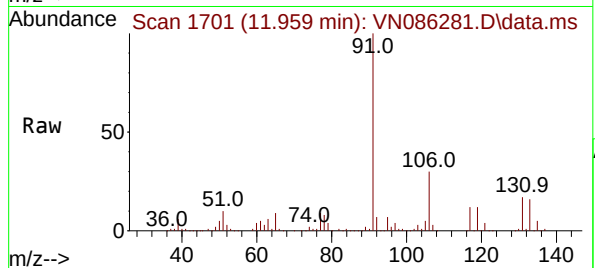
Tgt Ion:131 Resp: 127627
Ion Ratio Lower Upper
131 100
133 94.2 47.1 141.3
119 67.6 33.8 101.4





#67
Ethyl Benzene
Concen: 47.627 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

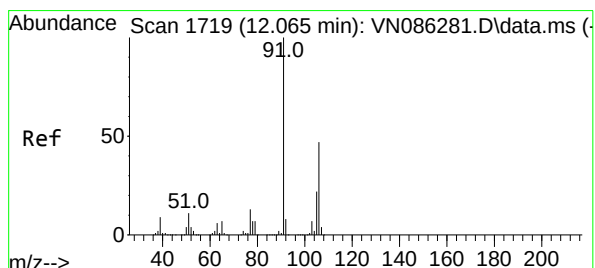
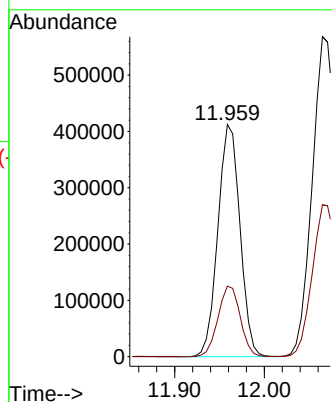
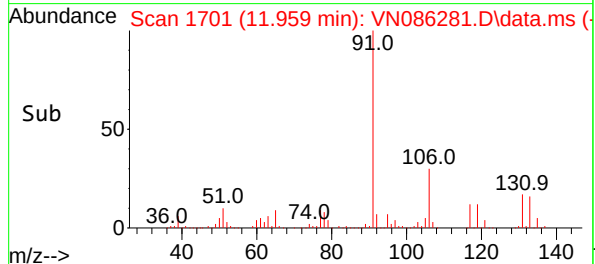
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 91 Resp: 704474
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5

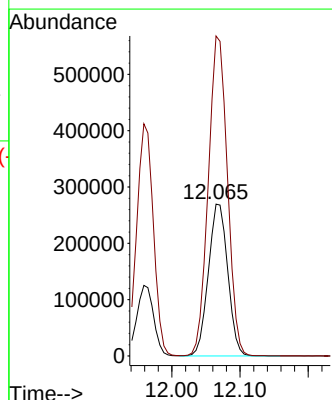
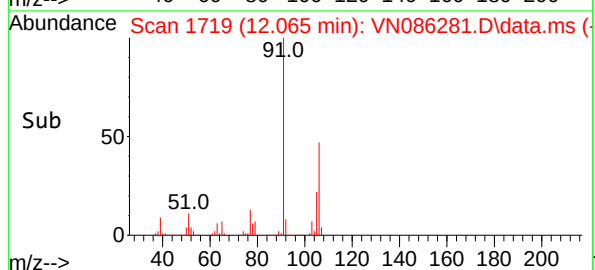
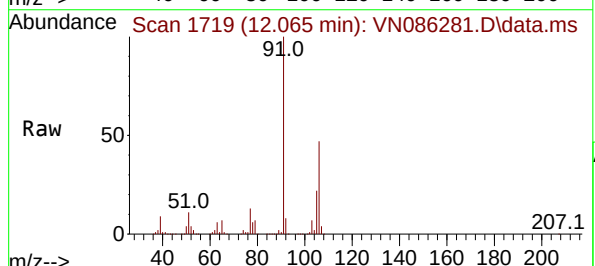
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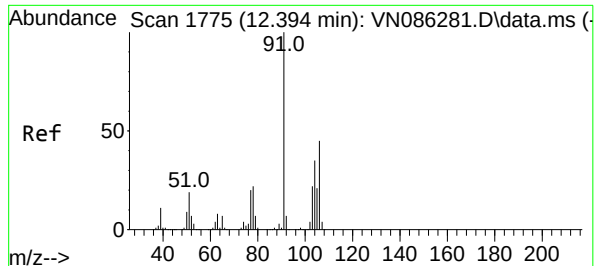
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#68
m/p-Xylenes
Concen: 96.302 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Tgt Ion:106 Resp: 533742
Ion Ratio Lower Upper
106 100
91 208.1 166.5 249.7





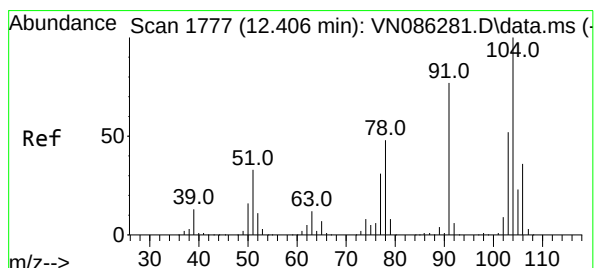
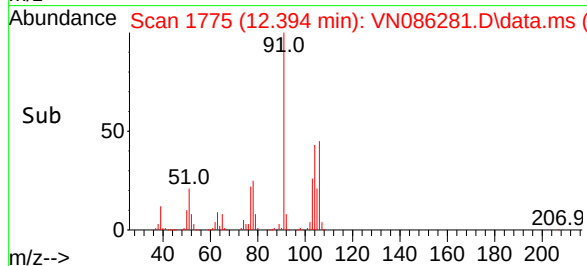
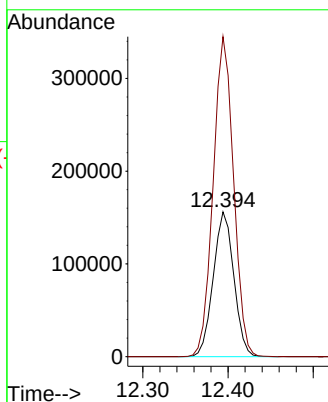
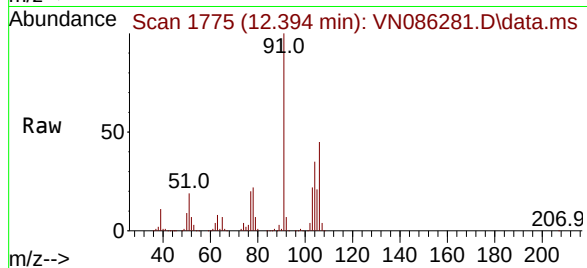
#69
o-Xylene
Concen: 47.783 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 261904
Ion Ratio Lower Upper
106 100
91 219.3 109.7 329.0

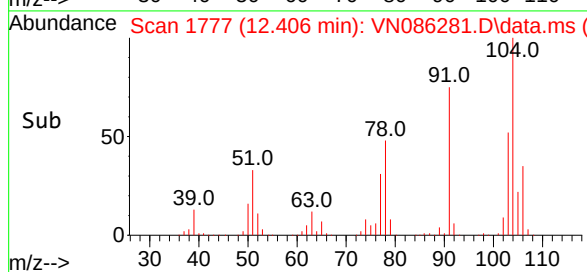
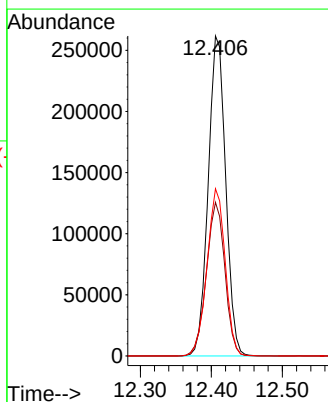
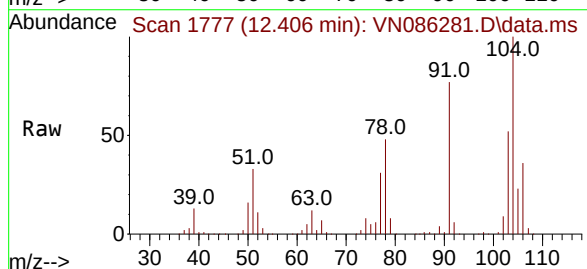
Manual Integrations
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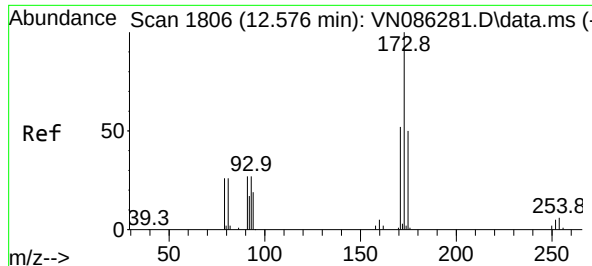
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#70
Styrene
Concen: 48.998 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

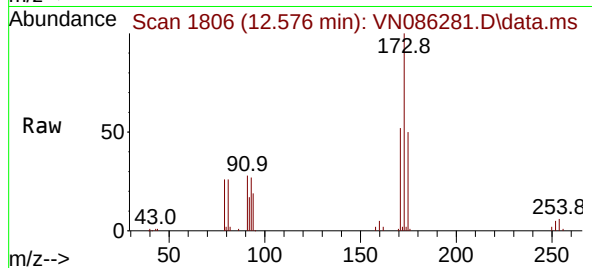
Tgt Ion:104 Resp: 447486
Ion Ratio Lower Upper
104 100
78 50.8 40.6 61.0
103 54.5 43.6 65.4





#71
Bromoform
Concen: 47.065 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

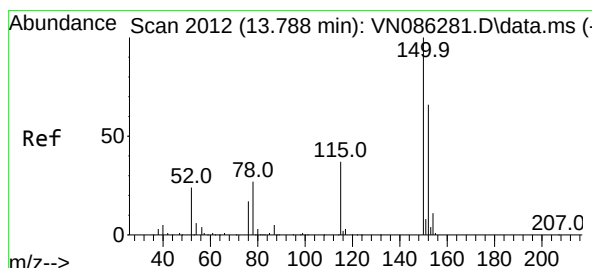
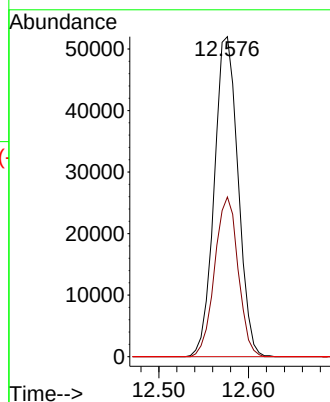
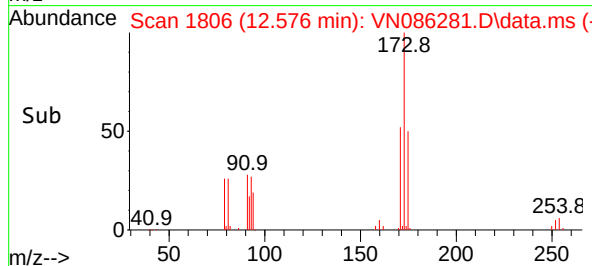
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:173 Resp: 9582
Ion Ratio Lower Upper
173 100
175 49.1 24.6 73.6
254 0.0 0.0 0.0

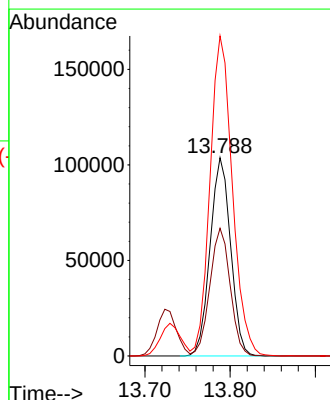
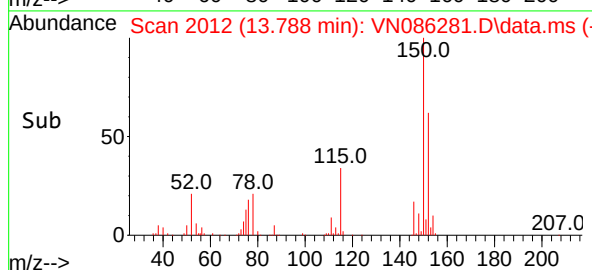
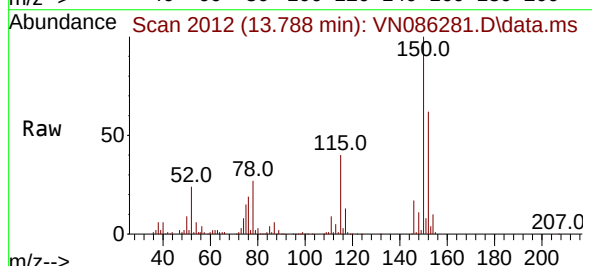
Manual Integrations
APPROVED

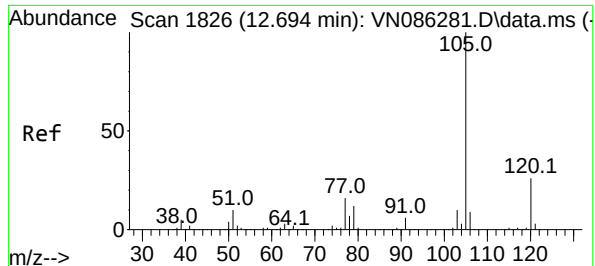
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Tgt Ion:152 Resp: 173703
Ion Ratio Lower Upper
152 100
115 63.9 31.9 95.9
150 176.0 0.0 352.0





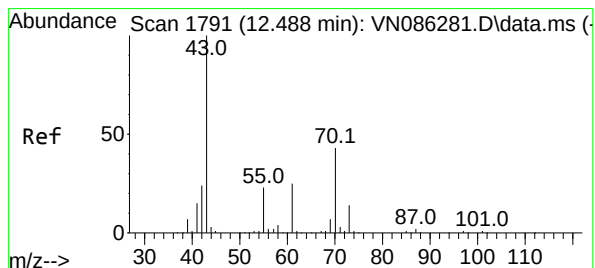
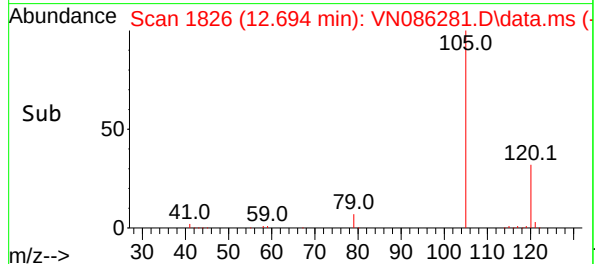
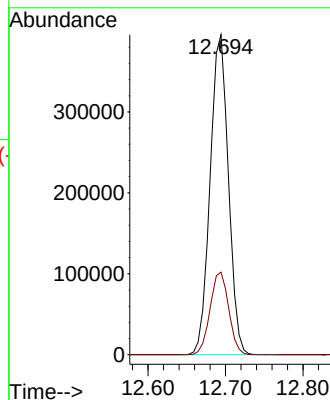
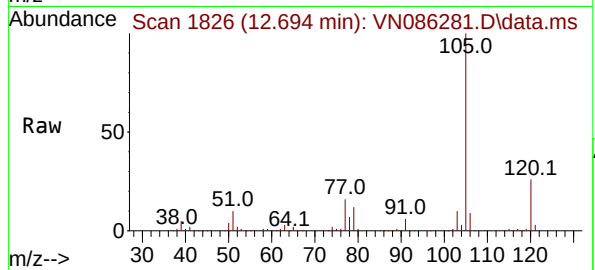
#73
Isopropylbenzene
Concen: 45.568 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 647490
Ion Ratio Lower Upper
105 100
120 26.2 13.1 39.3

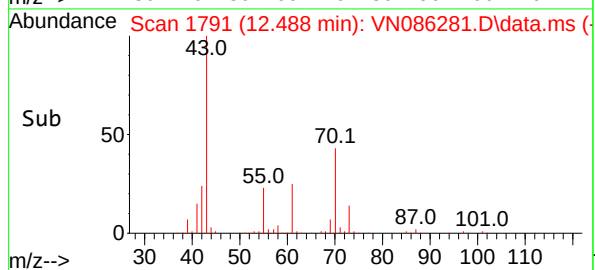
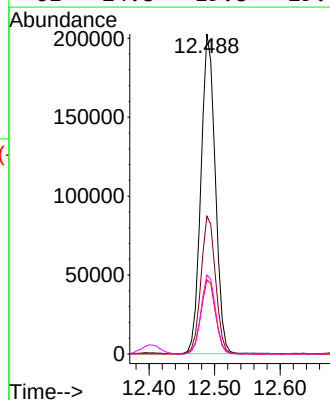
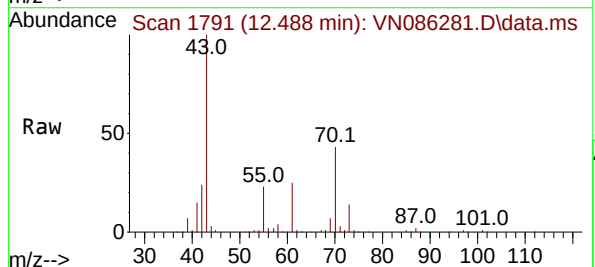
Manual Integrations
APPROVED

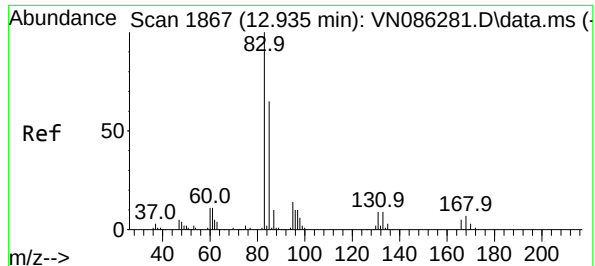
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#74
N-ethyl acetate
Concen: 43.670 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Tgt Ion: 43 Resp: 308916
Ion Ratio Lower Upper
43 100
70 43.7 35.0 52.4
55 23.7 19.0 28.4
61 24.8 19.8 29.8





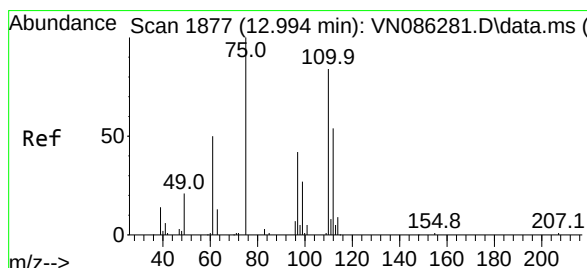
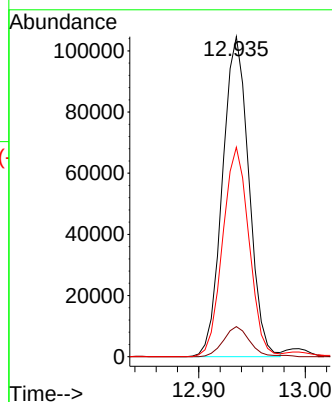
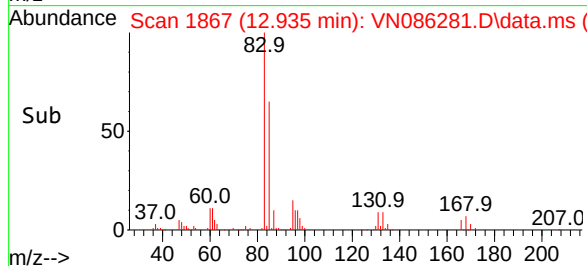
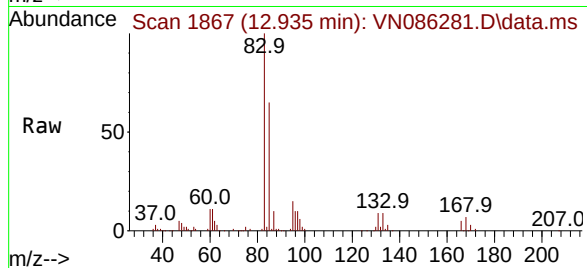
#75
1,1,2-Tetrachloroethane
Concen: 44.025 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 17986
Ion Ratio Lower Upper
83 100
131 9.4 4.7 14.1
85 65.4 32.7 98.1

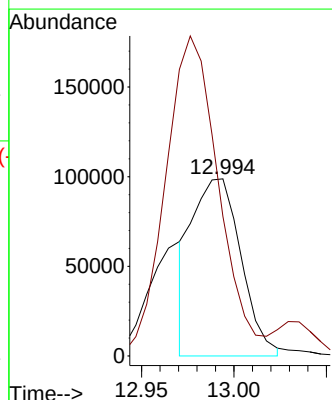
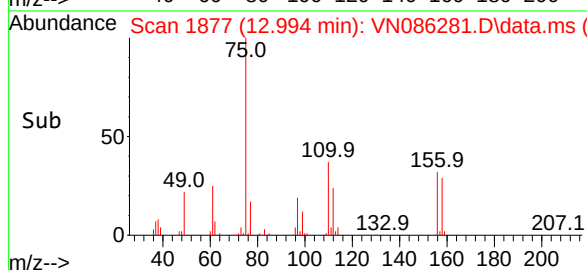
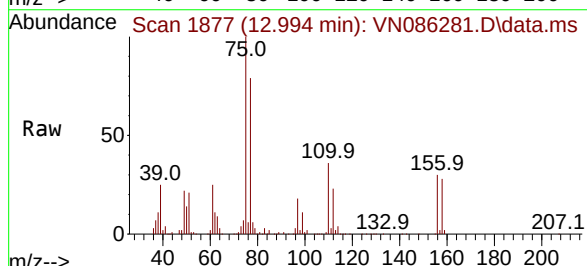
Manual Integrations
APPROVED

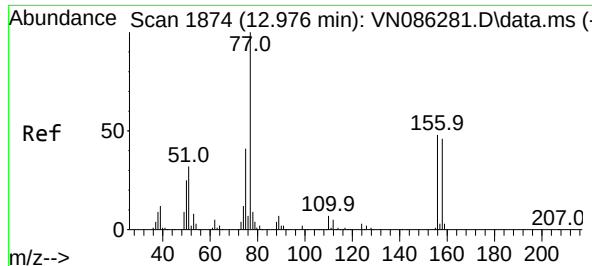
Reviewed By :John Carbone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#76
1,2,3-Trichloropropane
Concen: 44.357 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

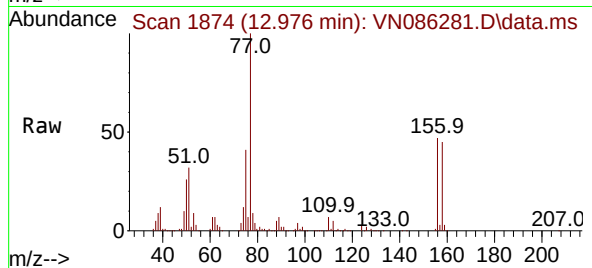
Tgt Ion: 75 Resp: 181010
Ion Ratio Lower Upper
75 100
77 197.6 98.8 296.4





#77
Bromobenzene
Concen: 46.919 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

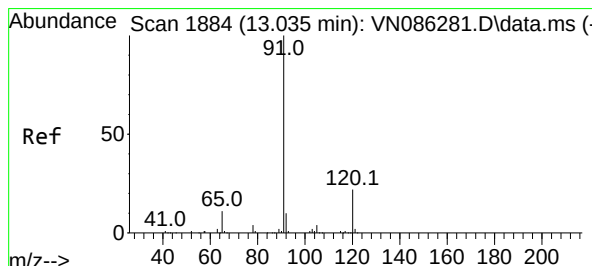
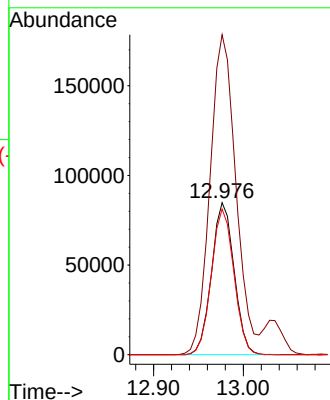
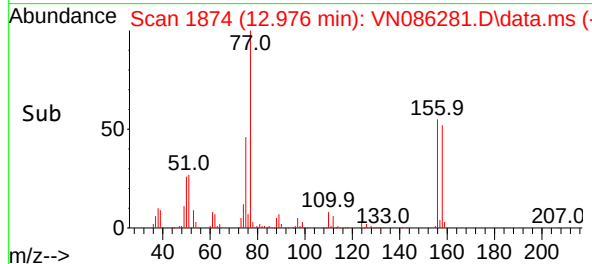
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:156 Resp: 147720
Ion Ratio Lower Upper
156 100
77 242.1 121.1 363.1
158 95.7 47.9 143.6

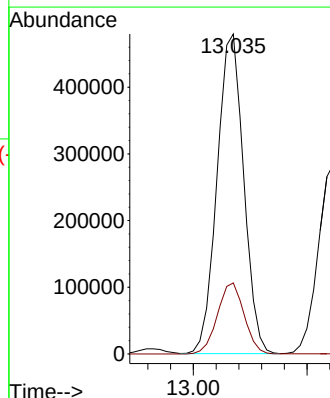
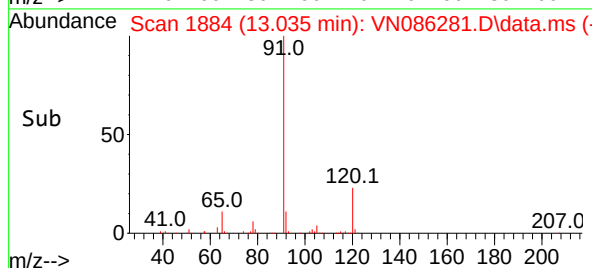
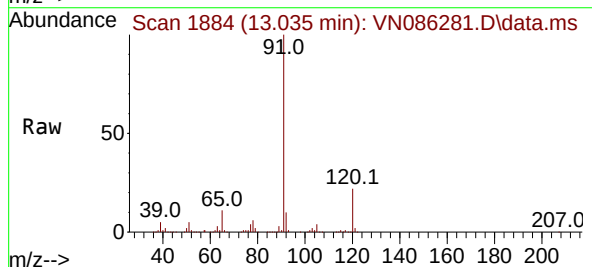
Manual Integrations
APPROVED

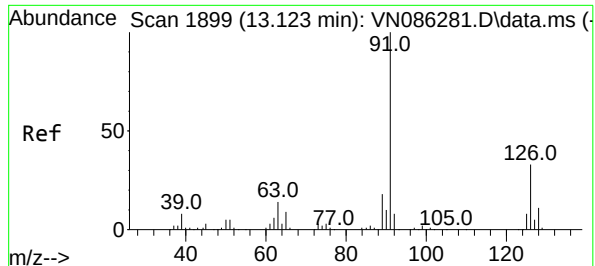
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#78
n-propylbenzene
Concen: 46.556 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Tgt Ion: 91 Resp: 779530
Ion Ratio Lower Upper
91 100
120 22.2 11.1 33.3





#79

2-Chlorotoluene

Concen: 45.740 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN086281.D

Acq: 15 Apr 2025 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 479235

Ion Ratio Lower Upper

91 100

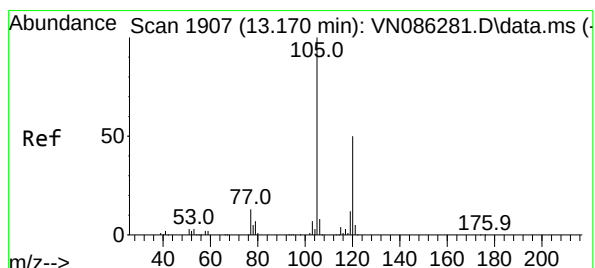
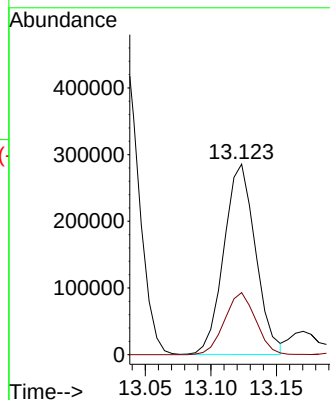
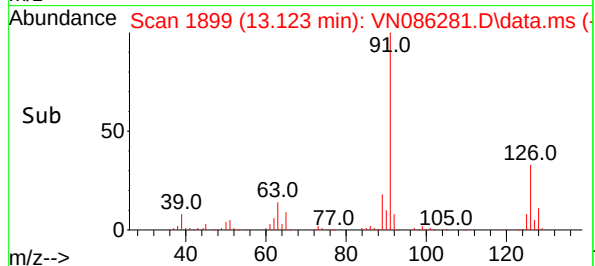
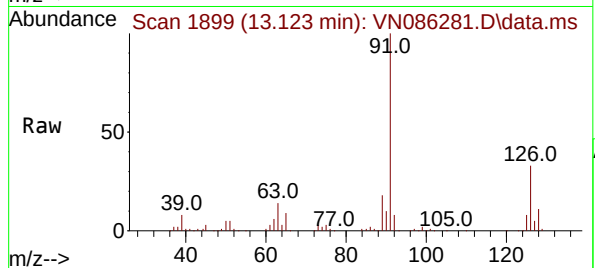
126 32.1 16.1 48.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#80

1,3,5-Trimethylbenzene

Concen: 46.042 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN086281.D

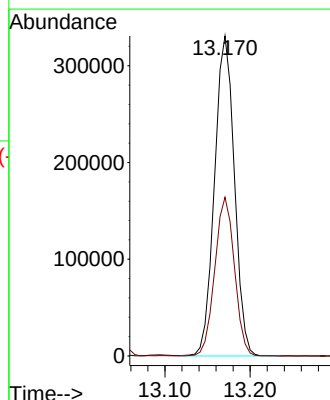
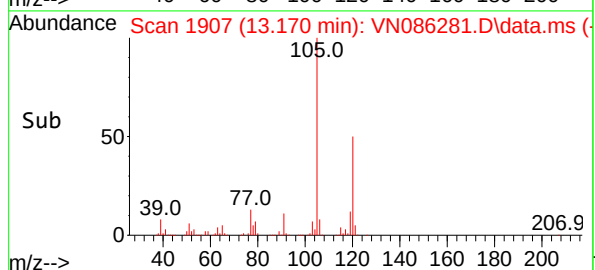
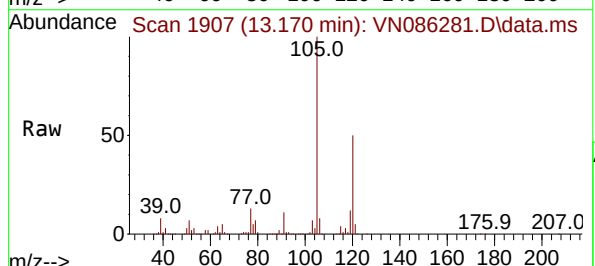
Acq: 15 Apr 2025 13:51

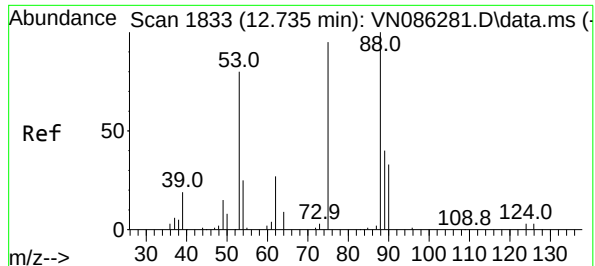
Tgt Ion:105 Resp: 535465

Ion Ratio Lower Upper

105 100

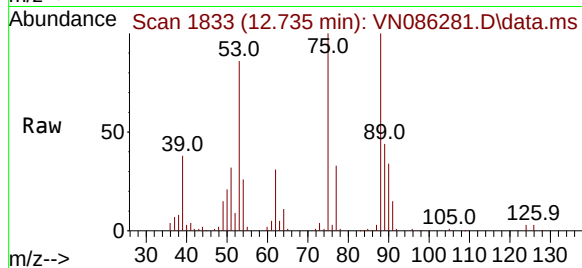
120 49.0 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 46.919 ug/l m
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

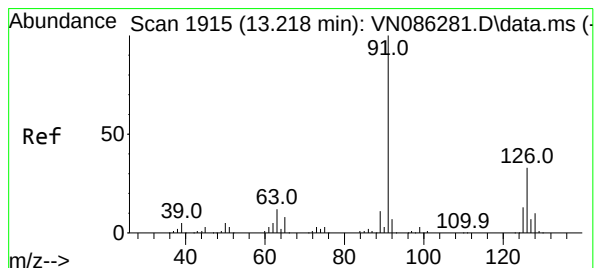
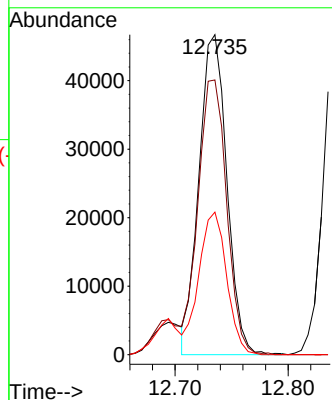
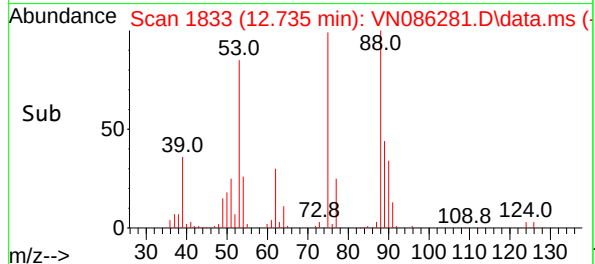
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 75 Resp: 80078
Ion Ratio Lower Upper
75 100
53 98.9 79.2 118.8
89 44.5 35.7 53.5

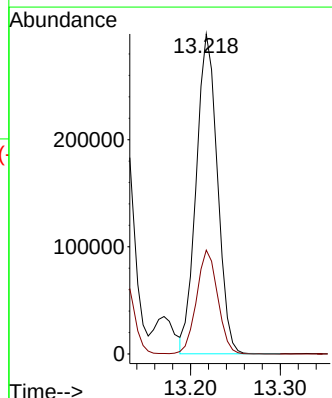
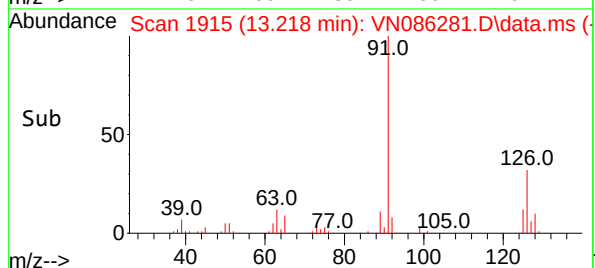
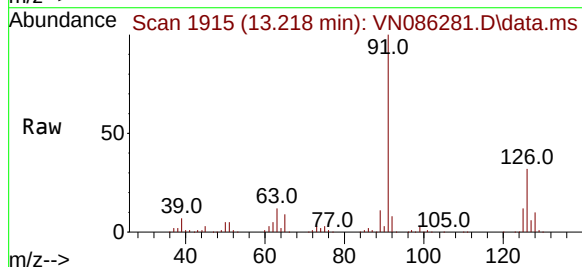
Manual Integrations
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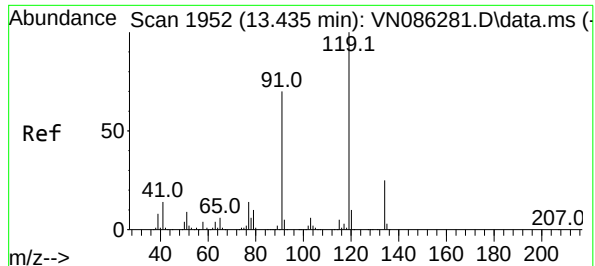
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#82
4-Chlorotoluene
Concen: 46.893 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

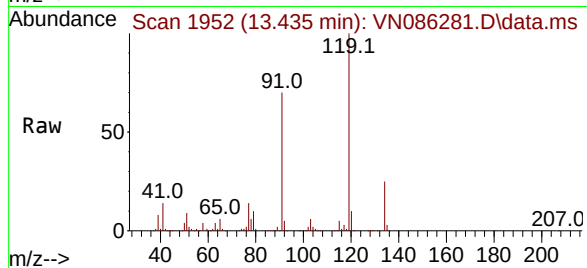
Tgt Ion: 91 Resp: 488049
Ion Ratio Lower Upper
91 100
126 32.4 16.2 48.6





#83
tert-Butylbenzene
Concen: 44.954 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

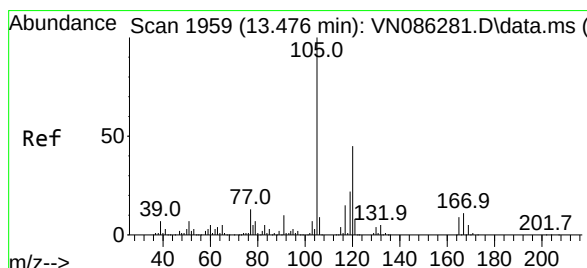
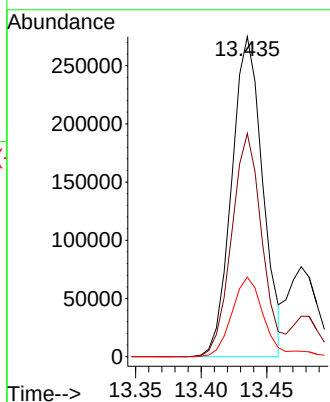
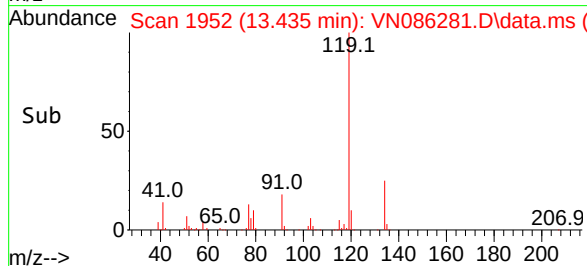
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:119 Resp: 452999
Ion Ratio Lower Upper
119 100
91 68.9 34.4 103.3
134 26.0 13.0 39.0

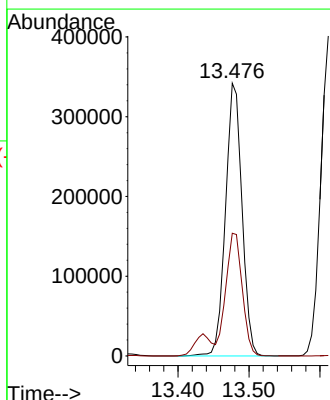
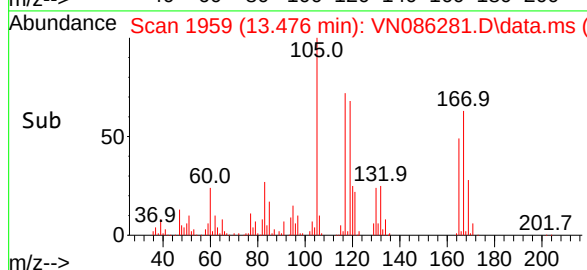
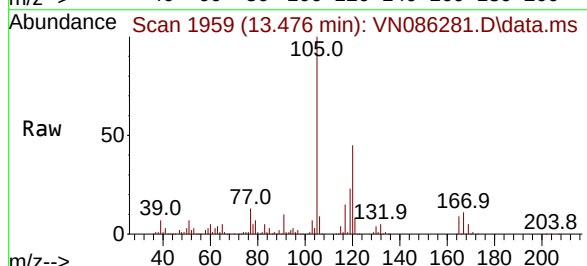
Manual Integrations
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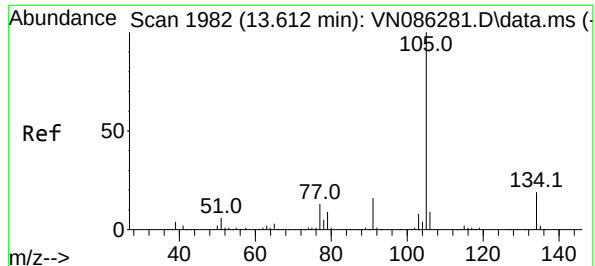
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#84
1,2,4-Trimethylbenzene
Concen: 46.521 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

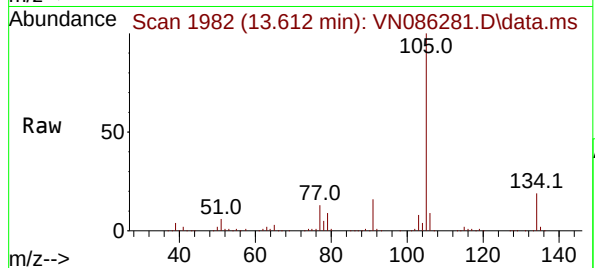
Tgt Ion:105 Resp: 550727
Ion Ratio Lower Upper
105 100
120 44.9 22.4 67.3





#85
sec-Butylbenzene
Concen: 46.767 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

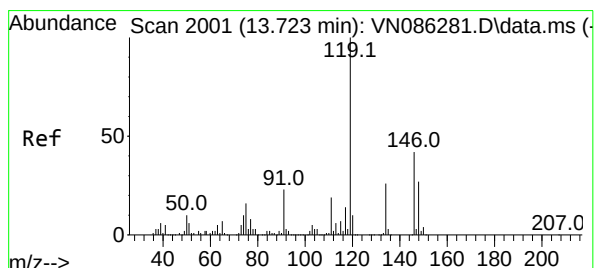
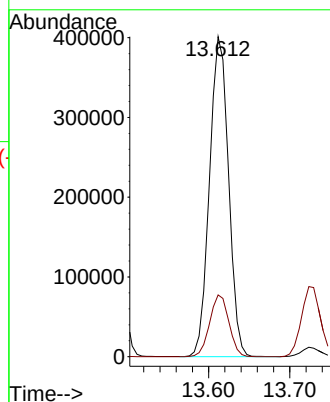
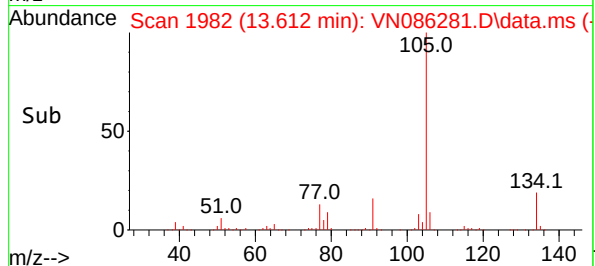
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:105 Resp: 653679
Ion Ratio Lower Upper
105 100
134 19.4 9.7 29.1

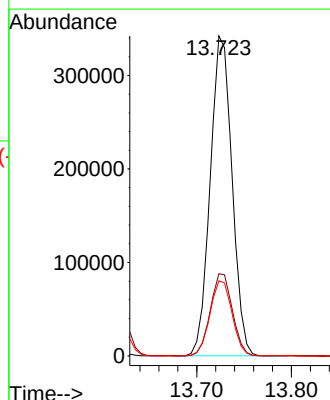
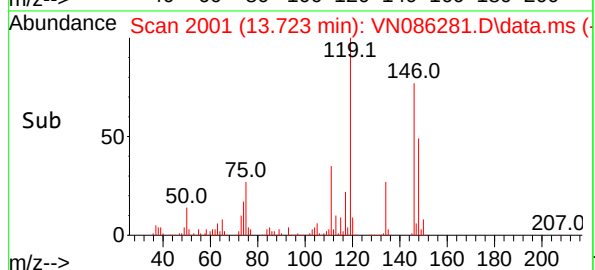
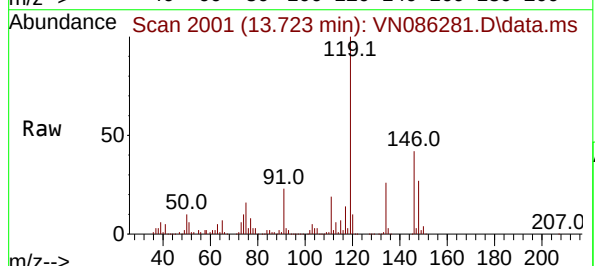
Manual Integrations
APPROVED

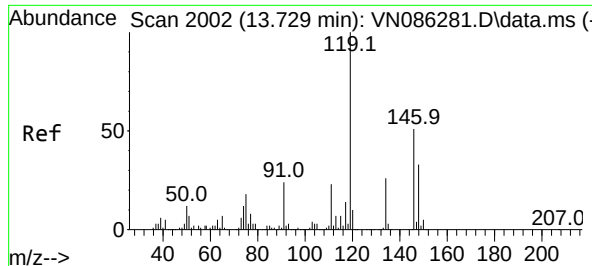
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#86
p-Isopropyltoluene
Concen: 47.611 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Tgt Ion:119 Resp: 548528
Ion Ratio Lower Upper
119 100
134 26.1 13.1 39.1
91 23.9 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 47.249 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN086281.D

Acq: 15 Apr 2025 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 279649

Ion Ratio Lower Upper

146 100

111 43.8 21.9 65.7

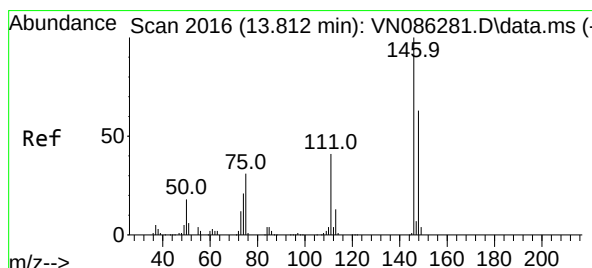
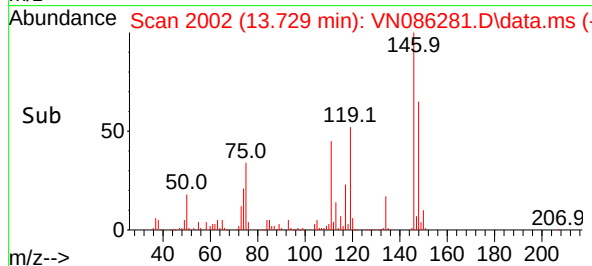
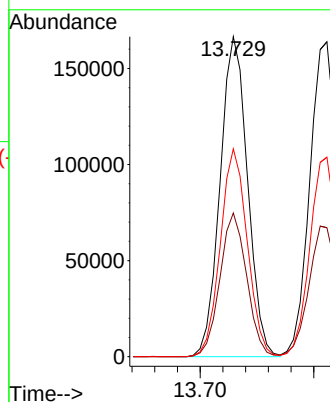
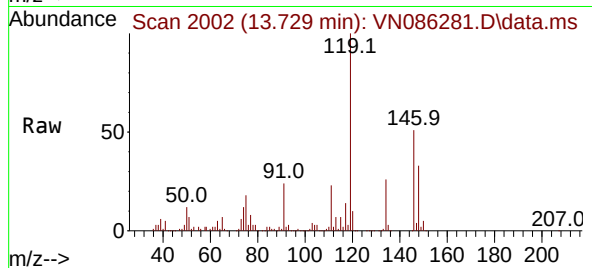
148 63.7 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#88

1,4-Dichlorobenzene

Concen: 47.032 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN086281.D

Acq: 15 Apr 2025 13:51

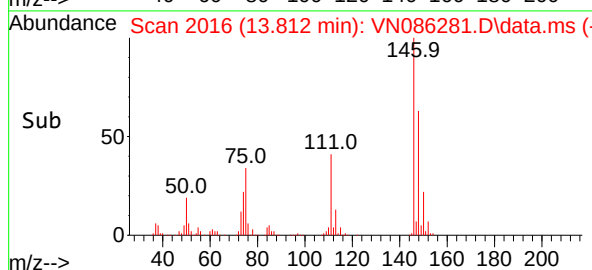
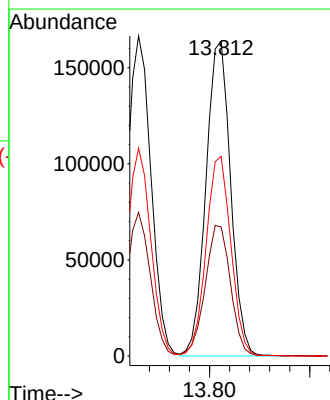
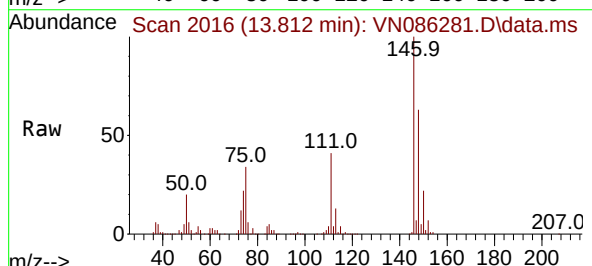
Tgt Ion:146 Resp: 280378

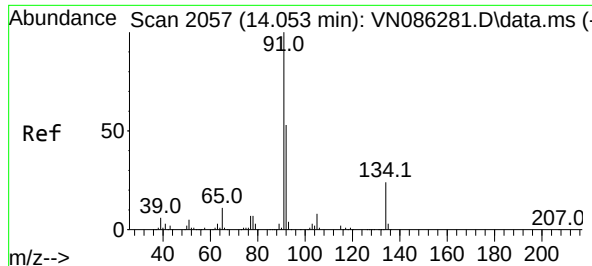
Ion Ratio Lower Upper

146 100

111 42.6 21.3 63.9

148 63.9 31.9 95.9





#89

n-Butylbenzene

Concen: 48.271 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN086281.D

Acq: 15 Apr 2025 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 49294

Ion Ratio Lower Upper

91 100

92 53.6 26.8 80.4

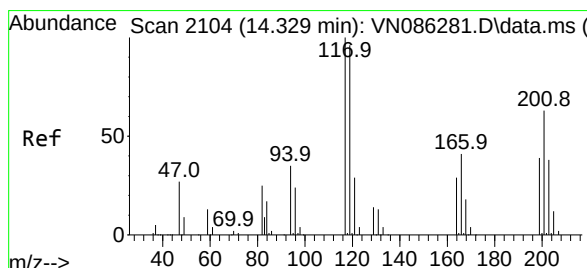
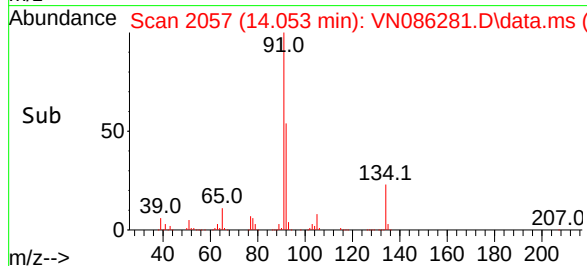
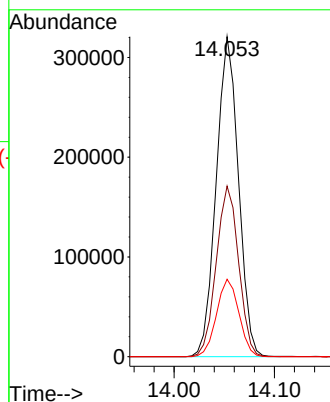
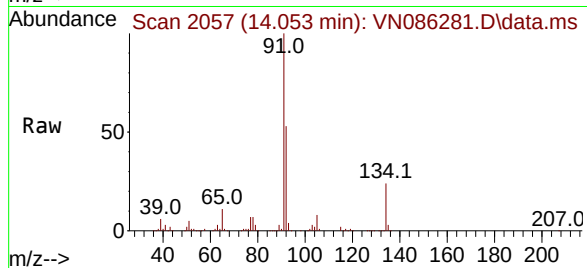
134 24.4 12.2 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#90

Hexachloroethane

Concen: 46.447 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. 0.000 min

Lab File: VN086281.D

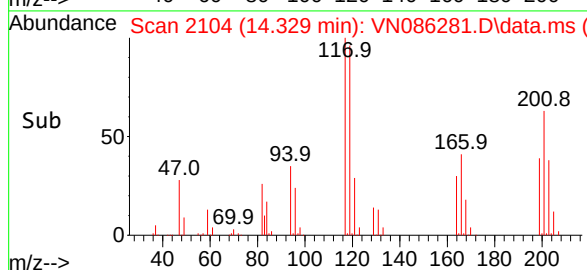
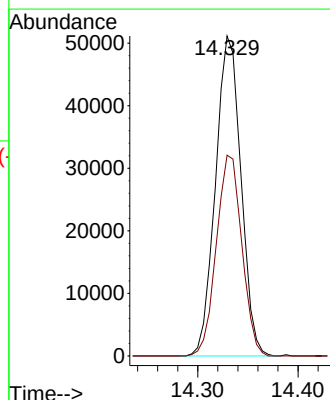
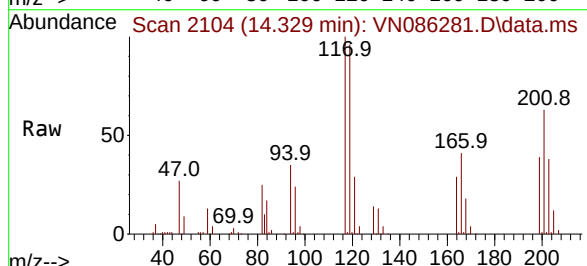
Acq: 15 Apr 2025 13:51

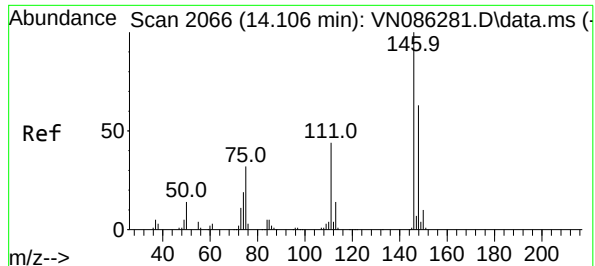
Tgt Ion:117 Resp: 90009

Ion Ratio Lower Upper

117 100

201 62.8 31.4 94.2





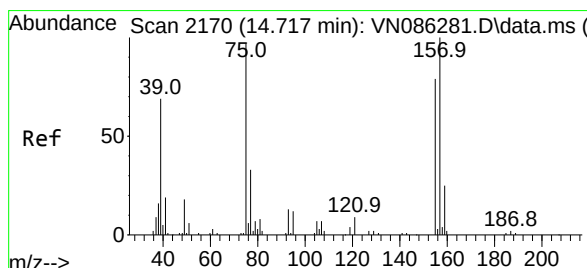
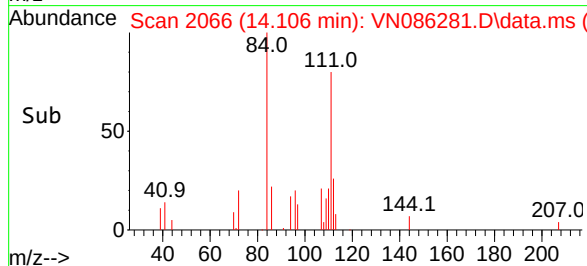
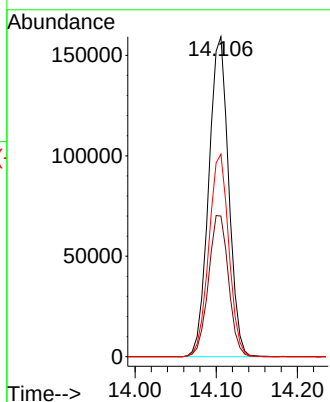
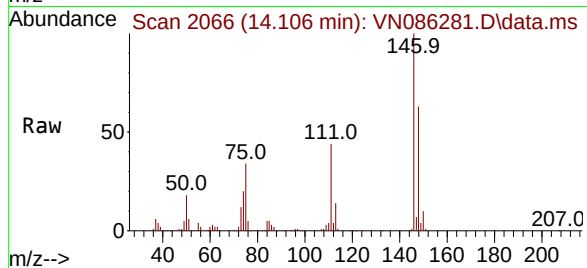
#91
1,2-Dichlorobenzene
Concen: 47.181 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 27073
Ion Ratio Lower Upper
146 100
111 44.7 22.4 67.0
148 63.6 31.8 95.4

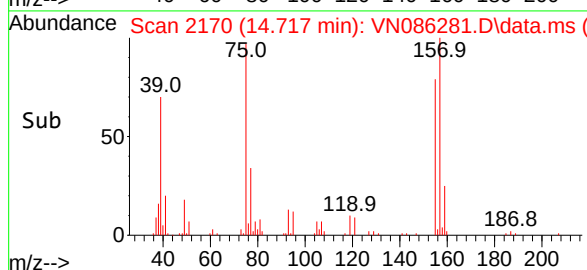
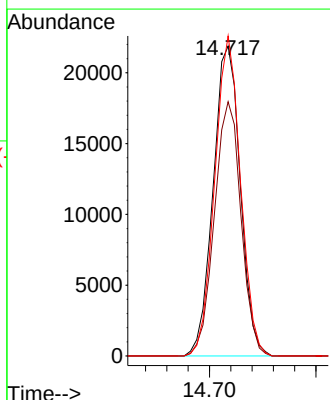
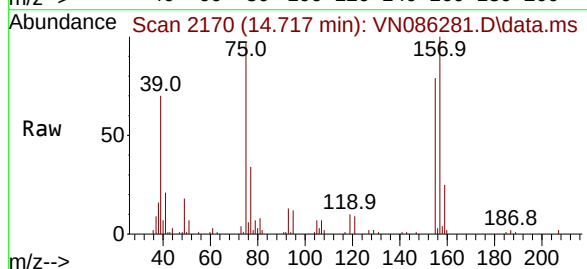
Manual Integrations
APPROVED

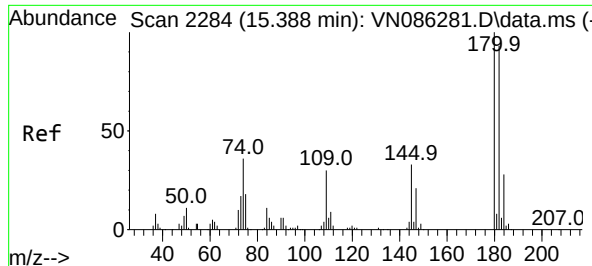
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 46.887 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Tgt Ion: 75 Resp: 38625
Ion Ratio Lower Upper
75 100
155 80.6 40.3 120.9
157 98.1 49.0 147.2





#93

1,2,4-Trichlorobenzene

Concen: 48.375 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. 0.000 min

Lab File: VN086281.D

Acq: 15 Apr 2025 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:180 Resp: 132919

Ion Ratio Lower Upper

180 100

182 94.0 47.0 141.0

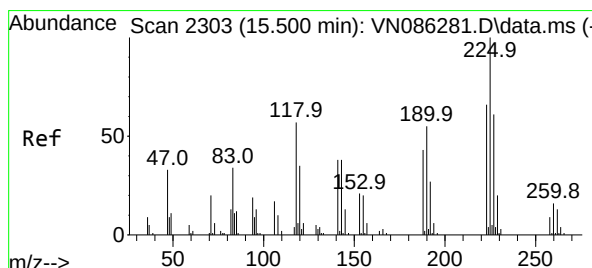
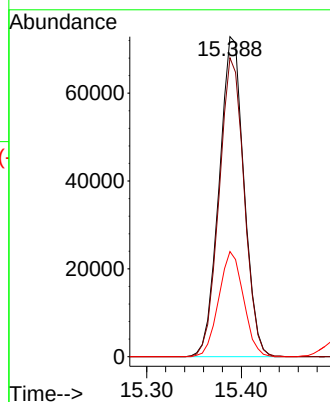
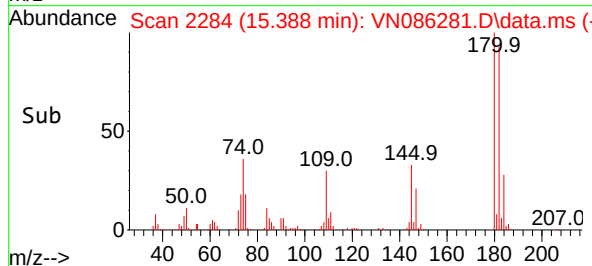
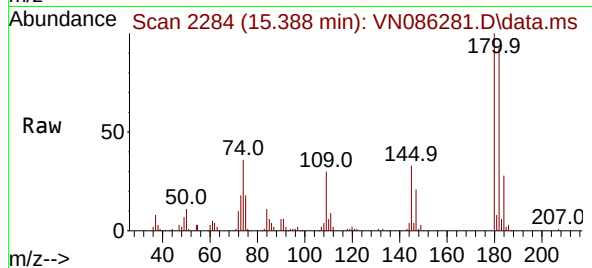
145 32.7 16.4 49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#94

Hexachlorobutadiene

Concen: 46.947 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VN086281.D

Acq: 15 Apr 2025 13:51

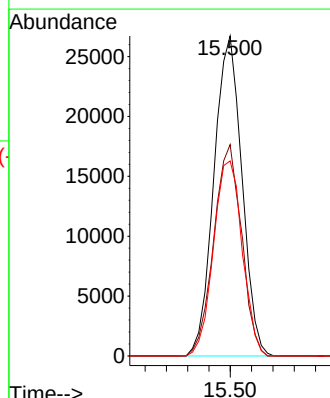
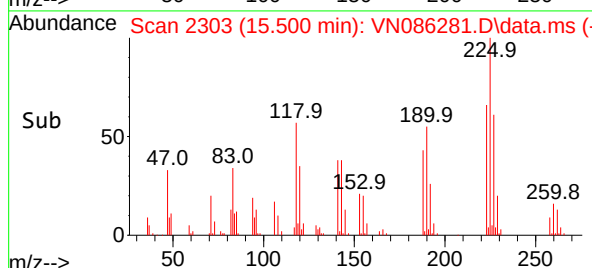
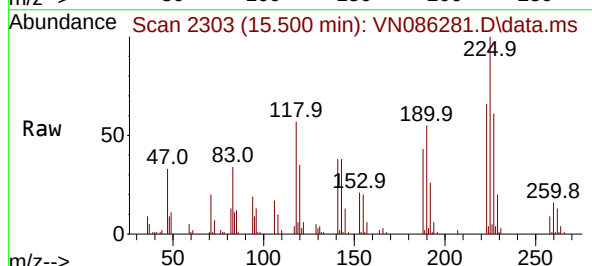
Tgt Ion:225 Resp: 48694

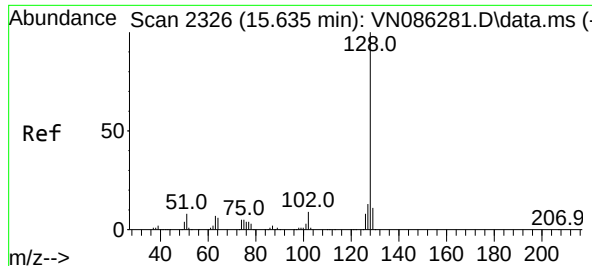
Ion Ratio Lower Upper

225 100

223 65.5 32.8 98.3

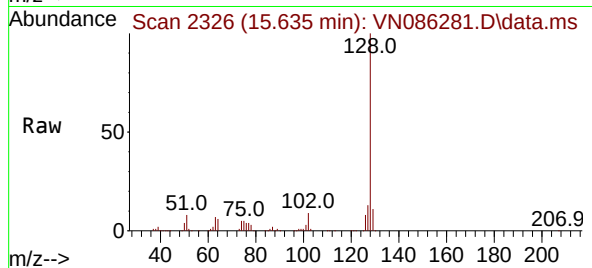
227 62.7 31.4 94.0





#95
Naphthalene
Concen: 47.708 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

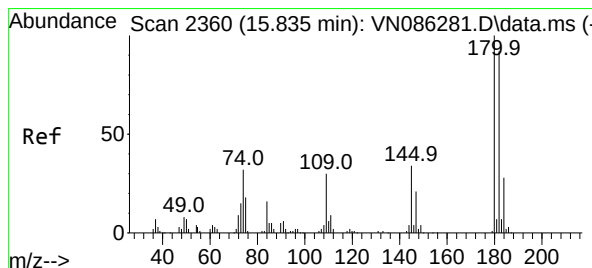
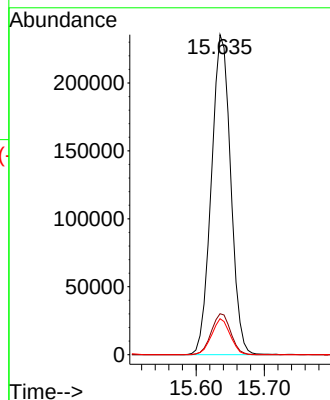
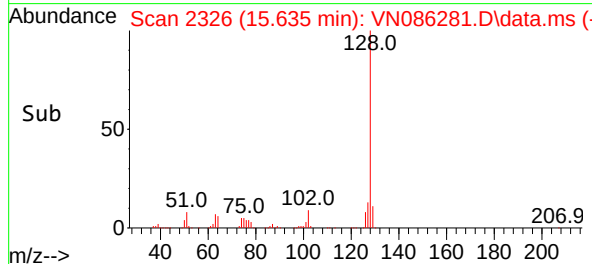
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:128 Resp: 464685
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.8 8.6 13.0

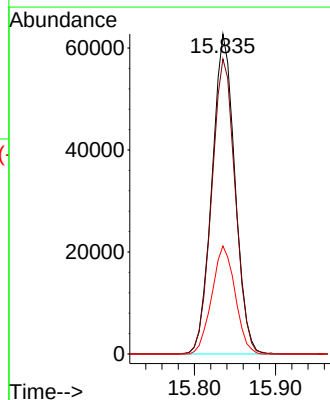
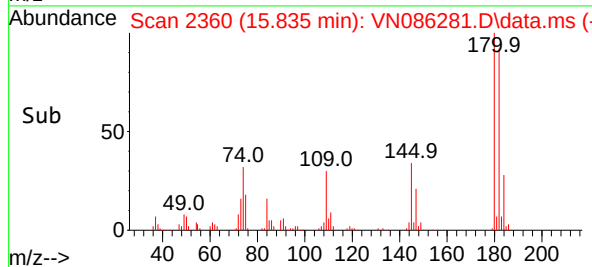
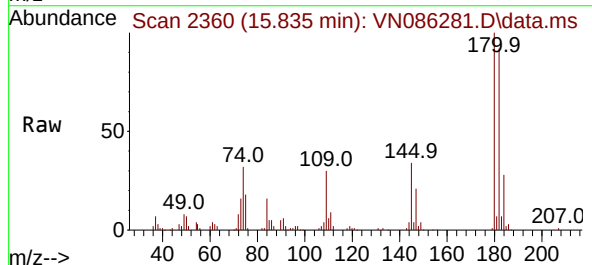
Manual Integrations
APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 47.249 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086281.D
Acq: 15 Apr 2025 13:51

Tgt Ion:180 Resp: 122910
Ion Ratio Lower Upper
180 100
182 94.7 47.3 142.0
145 34.3 17.2 51.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086282.D
 Acq On : 15 Apr 2025 14:29
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:58:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	228089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	422902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	380274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	182297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	322920	97.633	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 195.260%#			
35) Dibromofluoromethane	8.165	113	163696	83.402	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 166.800%#			
50) Toluene-d8	10.565	98	1046538	99.767	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 199.540%#			
62) 4-Bromofluorobenzene	12.847	95	394671	103.153	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 206.300%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	270450	100.025	ug/l	100
3) Chloromethane	2.359	50	362586	92.270	ug/l	99
4) Vinyl Chloride	2.512	62	359654	95.910	ug/l	99
5) Bromomethane	2.930	94	157044	93.105	ug/l	99
6) Chloroethane	3.106	64	232218	92.528	ug/l	98
7) Trichlorofluoromethane	3.494	101	398967	96.050	ug/l	97
8) Diethyl Ether	3.959	74	172130	94.924	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	242697	96.585	ug/l	99
10) Methyl Iodide	4.583	142	287740	104.156	ug/l	99
11) Tert butyl alcohol	5.518	59	262412	434.831	ug/l	99
12) 1,1-Dichloroethene	4.336	96	254035	94.627	ug/l	97
13) Acrolein	4.171	56	137131	502.553	ug/l	97
14) Allyl chloride	5.018	41	435112	91.225	ug/l	98
15) Acrylonitrile	5.712	53	713644	478.368	ug/l	99
16) Acetone	4.424	43	563323	498.290	ug/l	99
17) Carbon Disulfide	4.712	76	685619	85.294	ug/l	99
18) Methyl Acetate	5.018	43	374831	94.410	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	918634	93.089	ug/l	99
20) Methylene Chloride	5.271	84	286733	93.774	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	264504	94.241	ug/l	100
22) Diisopropyl ether	6.665	45	970652	93.497	ug/l	99
23) Vinyl Acetate	6.600	43	3184505	438.915	ug/l	99
24) 1,1-Dichloroethane	6.565	63	525385	95.914	ug/l	100
25) 2-Butanone	7.477	43	958217	465.437	ug/l	99
26) 2,2-Dichloropropane	7.488	77	470852	96.005	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	328329	94.252	ug/l	100
28) Bromochloromethane	7.812	49	230762	99.357	ug/l	99
29) Tetrahydrofuran	7.835	42	623822	453.130	ug/l	100
30) Chloroform	7.959	83	503712	93.611	ug/l	100
31) Cyclohexane	8.253	56	484648	90.418	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	432964	94.058	ug/l	97
36) 1,1-Dichloropropene	8.365	75	378663	96.591	ug/l	100
37) Ethyl Acetate	7.553	43	371298	89.962	ug/l	100
38) Carbon Tetrachloride	8.359	117	360081	96.450	ug/l	99
39) Methylcyclohexane	9.600	83	448842	96.325	ug/l	98
40) Benzene	8.600	78	1193479	95.020	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086282.D
 Acq On : 15 Apr 2025 14:29
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:58:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	219337	91.695	ug/l	100
42) 1,2-Dichloroethane	8.665	62	377081	94.143	ug/l	99
43) Isopropyl Acetate	8.682	43	704184	100.085	ug/l	100
44) Trichloroethene	9.347	130	288832	97.020	ug/l	98
45) 1,2-Dichloropropane	9.618	63	293625	95.501	ug/l	99
46) Dibromomethane	9.706	93	191324	97.667	ug/l	100
47) Bromodichloromethane	9.882	83	403514	95.372	ug/l	97
48) Methyl methacrylate	9.676	41	326384	90.052	ug/l	98
49) 1,4-Dioxane	9.688	88	98711	1601.137	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	1989761	470.803	ug/l	99
52) Toluene	10.629	92	757019	96.592	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	468739	99.248	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	496721	95.755	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	264481	93.795	ug/l	97
56) Ethyl methacrylate	10.870	69	494791	95.461	ug/l	100
57) 1,3-Dichloropropane	11.159	76	482562	96.455	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	1242387	505.011	ug/l	99
59) 2-Hexanone	11.194	43	1476474	470.996	ug/l	100
60) Dibromochloromethane	11.359	129	301498	97.371	ug/l	100
61) 1,2-Dibromoethane	11.465	107	273587	96.156	ug/l	100
64) Tetrachloroethene	11.100	164	281669	96.294	ug/l	97
65) Chlorobenzene	11.888	112	805194	94.881	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	264532	94.488	ug/l	100
67) Ethyl Benzene	11.959	91	1476238	96.398	ug/l	100
68) m/p-Xylenes	12.070	106	1117098	194.681	ug/l	98
69) o-Xylene	12.394	106	546019	96.221	ug/l	99
70) Styrene	12.406	104	947293	100.188	ug/l	100
71) Bromoform	12.576	173	201110	95.410	ug/l #	99
73) Isopropylbenzene	12.694	105	1351009	90.597	ug/l	100
74) N-amyl acetate	12.488	43	641647	86.431	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	359278	83.793	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	379247m	88.555	ug/l	
77) Bromobenzene	12.976	156	303696	91.913	ug/l	98
78) n-propylbenzene	13.035	91	1640989	93.386	ug/l	99
79) 2-Chlorotoluene	13.123	91	1000943	91.031	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	1125981	92.254	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	175887m	98.197	ug/l	
82) 4-Chlorotoluene	13.217	91	1025113	93.852	ug/l	99
83) tert-Butylbenzene	13.435	119	975268	92.219	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	1150791	92.628	ug/l	100
85) sec-Butylbenzene	13.611	105	1359583	92.684	ug/l	99
86) p-Isopropyltoluene	13.723	119	1161224	96.040	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	586366	94.402	ug/l	100
88) 1,4-Dichlorobenzene	13.806	146	582329	93.077	ug/l	100
89) n-Butylbenzene	14.053	91	1061099	99.009	ug/l	99
90) Hexachloroethane	14.329	117	196292	96.516	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	547527	90.920	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	77795	89.984	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	281040	97.461	ug/l	100
94) Hexachlorobutadiene	15.500	225	101506	93.251	ug/l	99
95) Naphthalene	15.635	128	975079	95.390	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	258567	94.712	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086282.D
Acq On : 15 Apr 2025 14:29
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:58:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

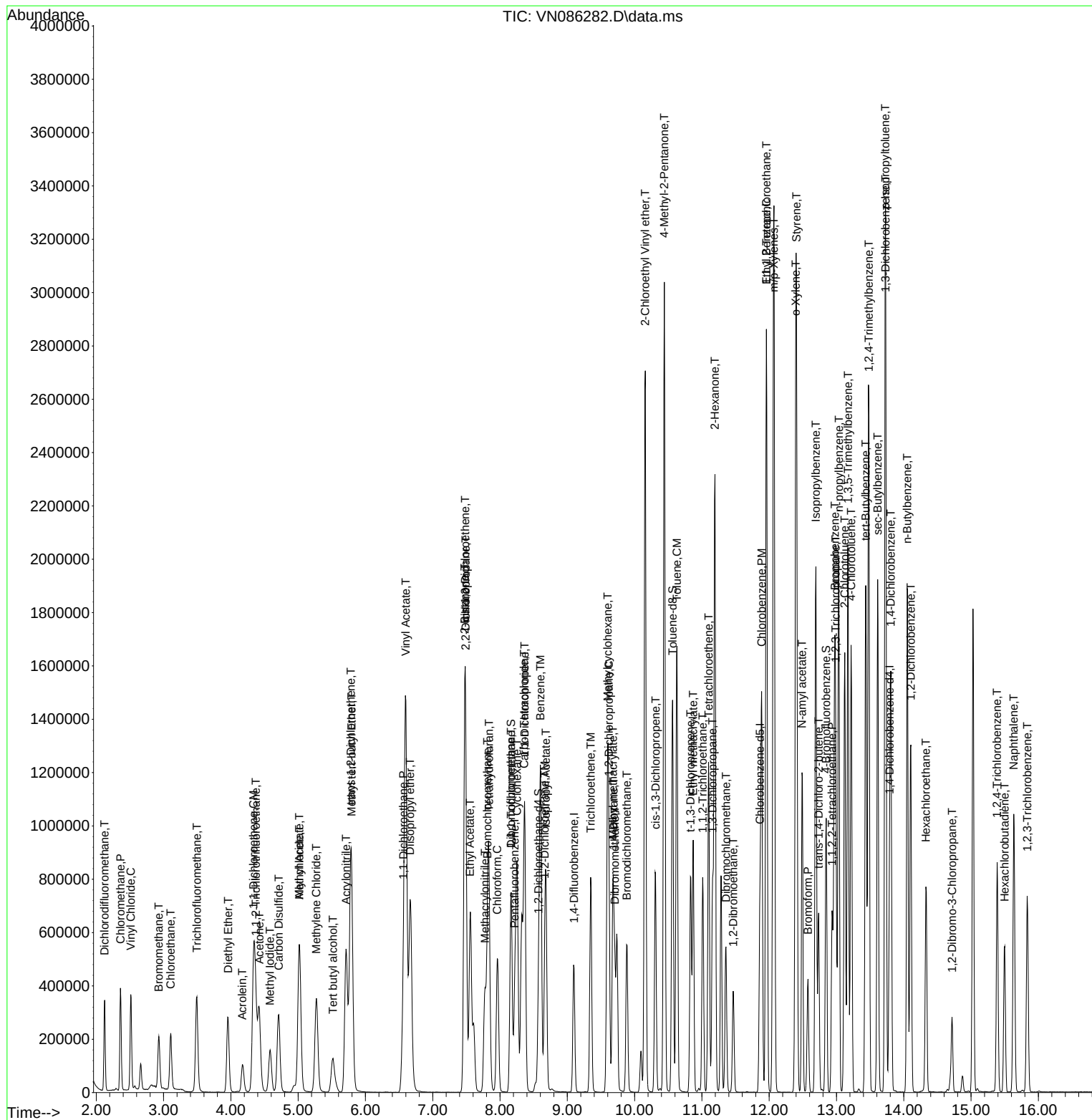
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

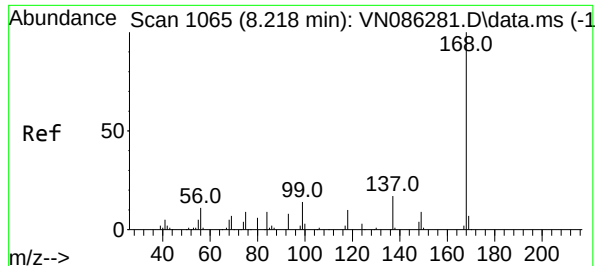
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:168 Resp: 228089

Ion Ratio Lower Upper

168 100

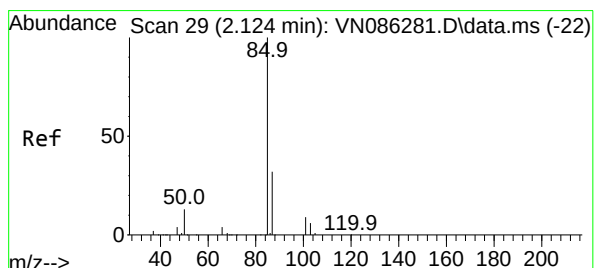
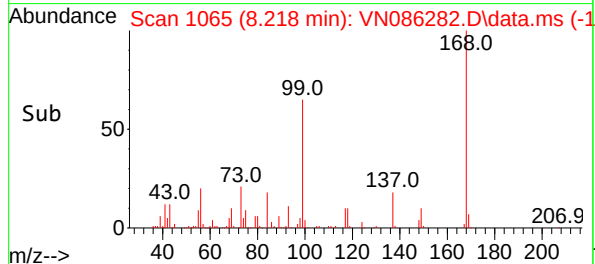
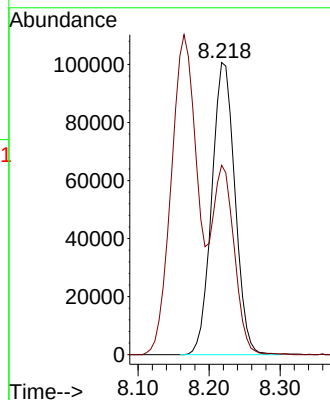
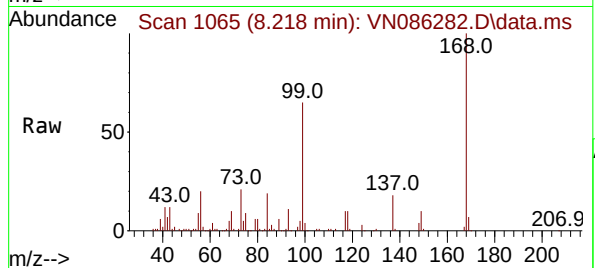
99 64.7 52.5 78.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#2

Dichlorodifluoromethane

Concen: 100.025 ug/l

RT: 2.124 min Scan# 29

Delta R.T. -0.000 min

Lab File: VN086282.D

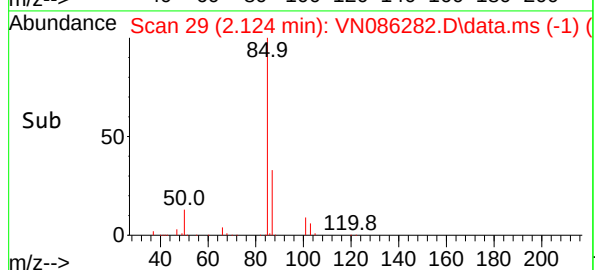
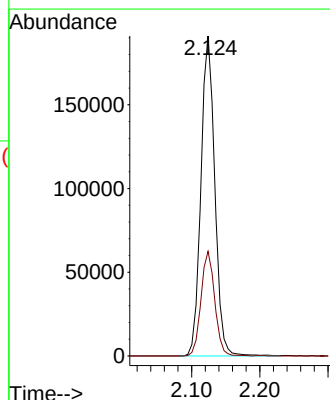
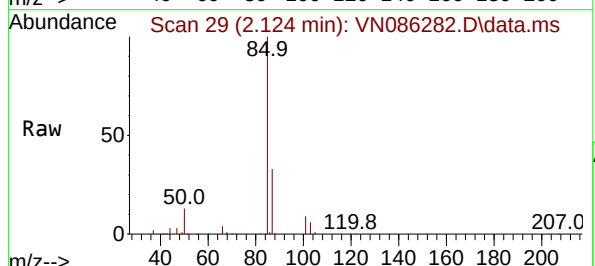
Acq: 15 Apr 2025 14:29

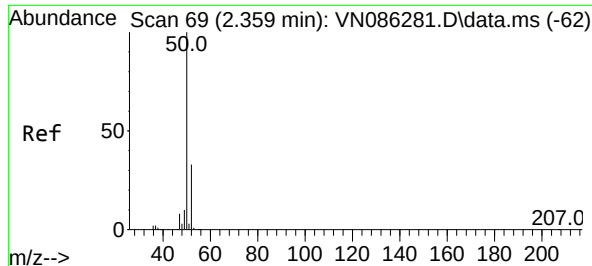
Tgt Ion: 85 Resp: 270450

Ion Ratio Lower Upper

85 100

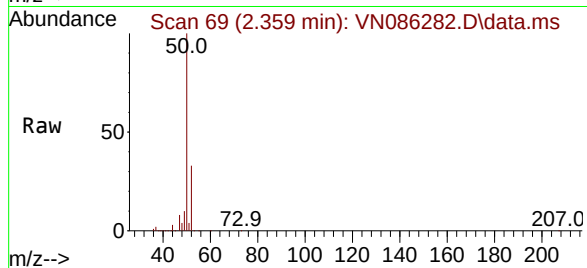
87 32.7 16.3 48.8





#3
Chloromethane
Concen: 92.270 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

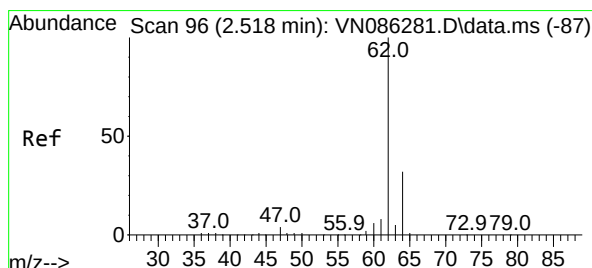
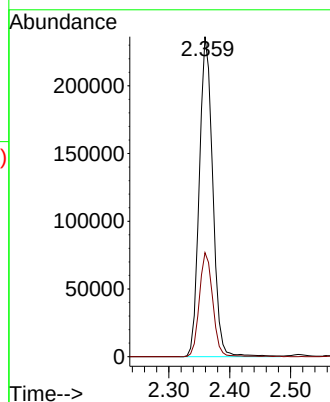
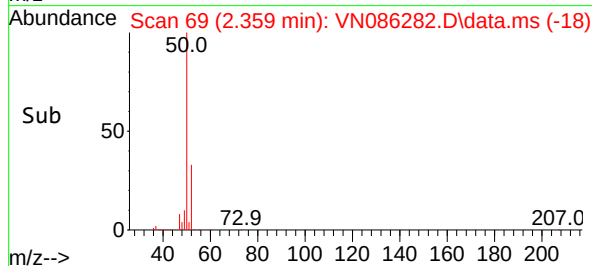
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 50 Resp: 362580
Ion Ratio Lower Upper
50 100
52 32.5 26.5 39.7

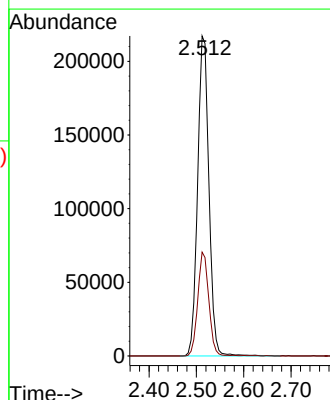
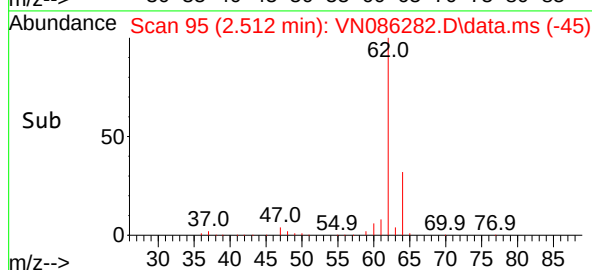
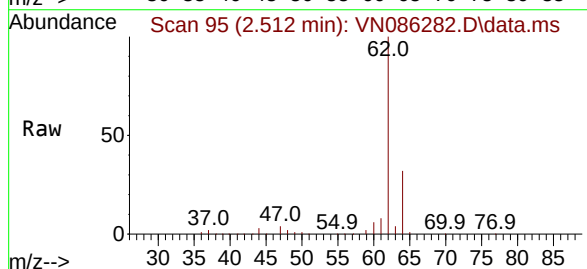
Manual Integrations
APPROVED

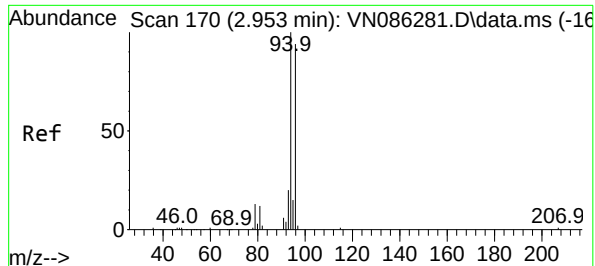
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#4
Vinyl Chloride
Concen: 95.910 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

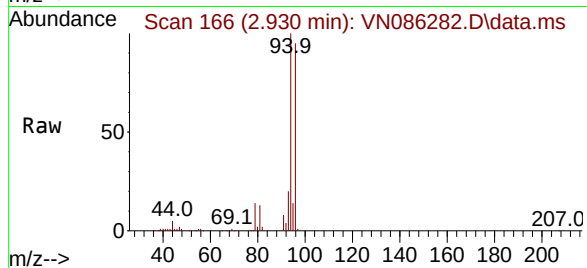
Tgt Ion: 62 Resp: 359654
Ion Ratio Lower Upper
62 100
64 32.4 25.6 38.4





#5
Bromomethane
Concen: 93.105 ug/l
RT: 2.930 min Scan# 1
Delta R.T. -0.024 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

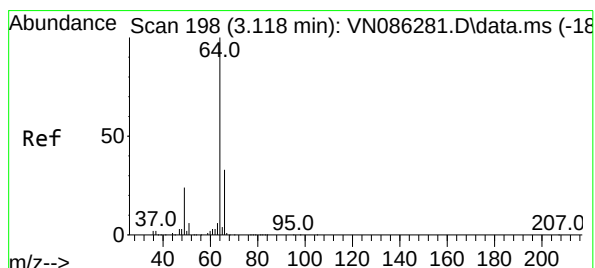
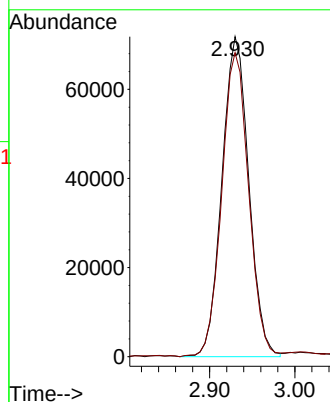
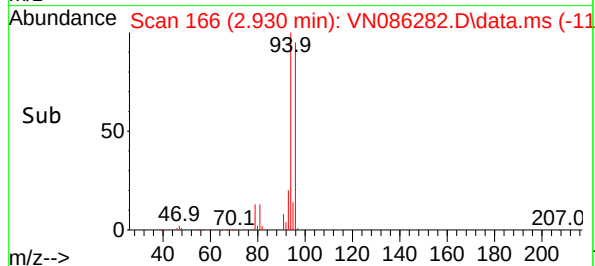
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 94 Resp: 157044
Ion Ratio Lower Upper
94 100
96 95.0 75.2 112.8

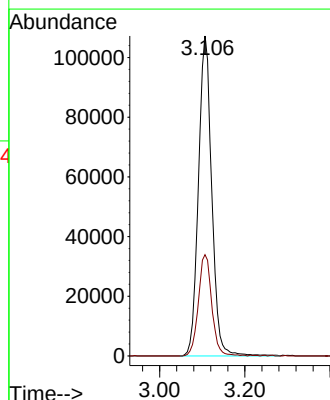
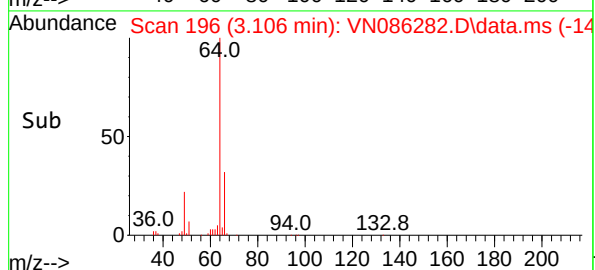
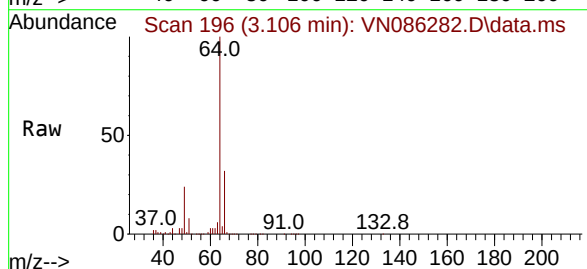
Manual Integrations
APPROVED

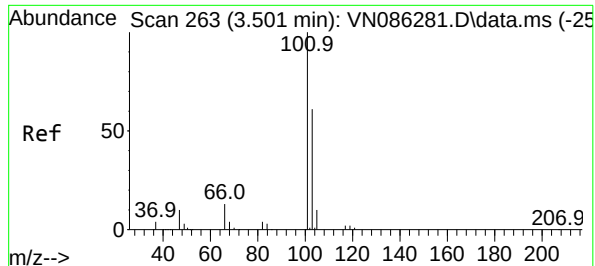
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#6
Chloroethane
Concen: 92.528 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

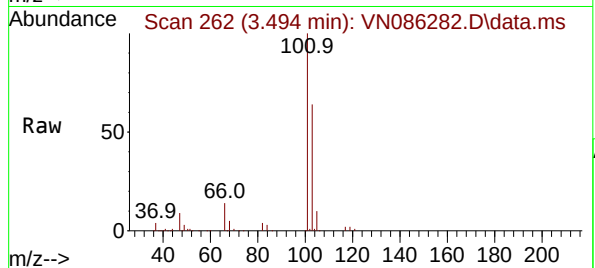
Tgt Ion: 64 Resp: 232218
Ion Ratio Lower Upper
64 100
66 31.6 26.2 39.2





#7
Trichlorofluoromethane
Concen: 96.050 ug/l
RT: 3.494 min Scan# 263
Delta R.T. -0.006 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

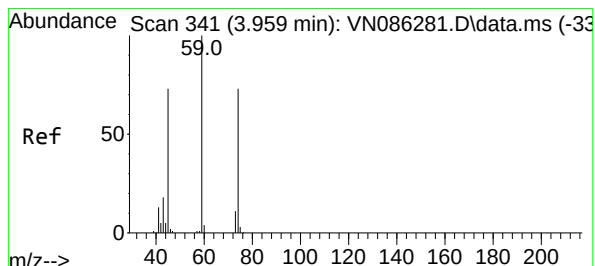
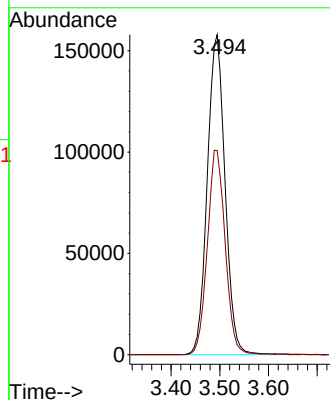
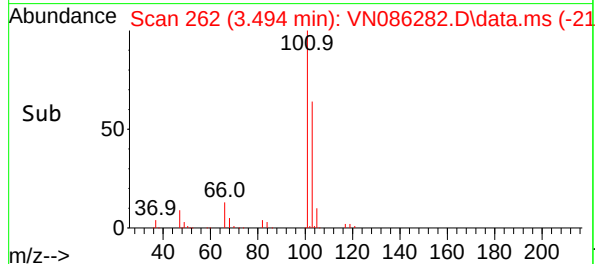
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion:101 Resp: 39896
Ion Ratio Lower Upper
101 100
103 63.8 49.2 73.8

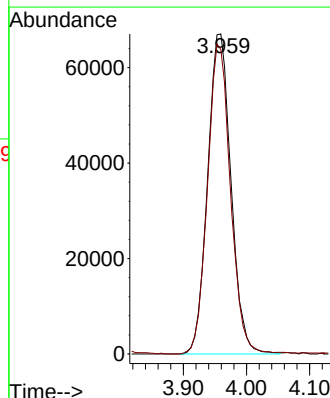
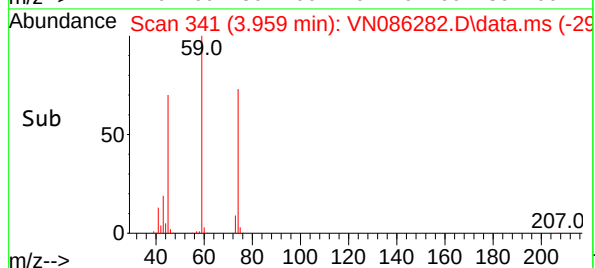
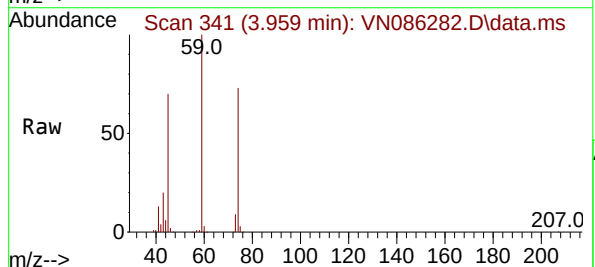
Manual Integrations
APPROVED

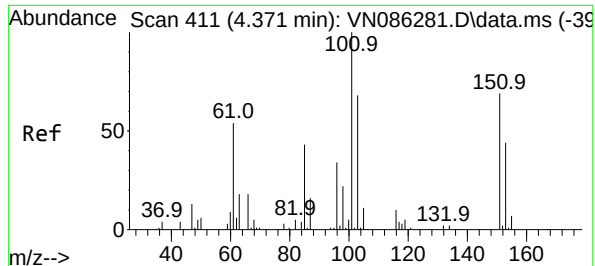
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#8
Diethyl Ether
Concen: 94.924 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

Tgt Ion: 74 Resp: 172130
Ion Ratio Lower Upper
74 100
45 95.3 48.0 144.2





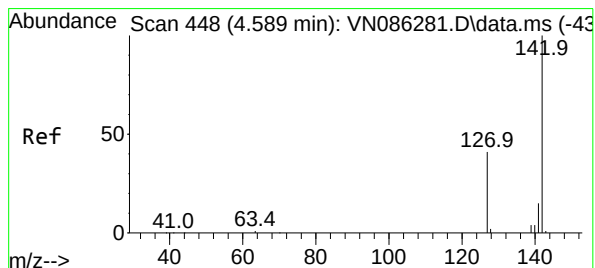
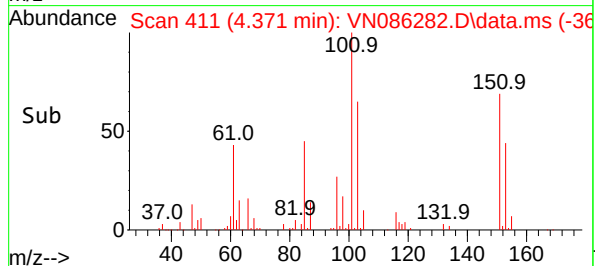
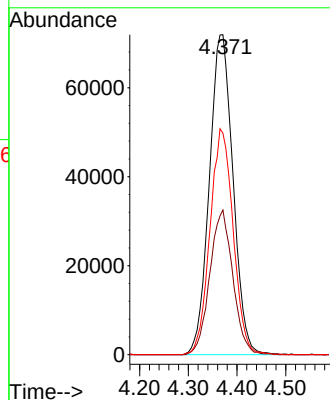
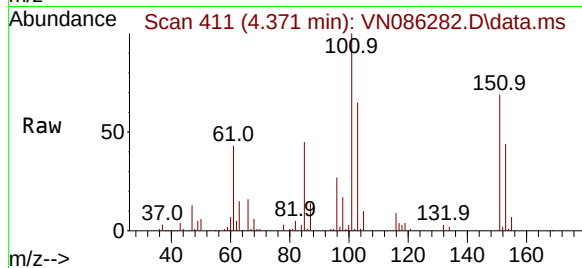
#9
1,1,2-Trichlorotrifluoroethane
Concen: 96.585 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 24269
Ion Ratio Lower Upper
101 100
85 44.0 34.7 52.1
151 69.3 56.1 84.1

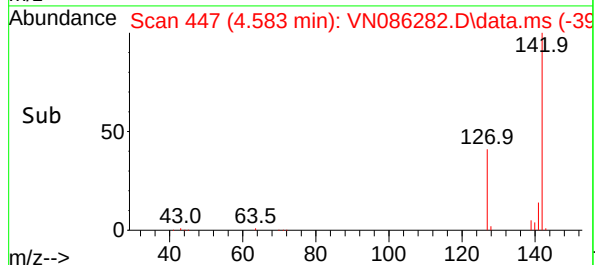
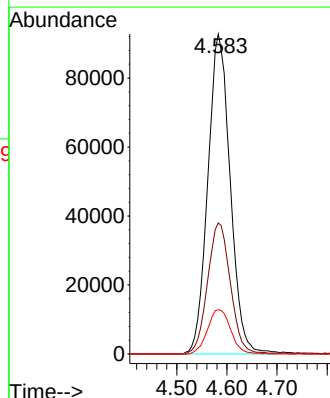
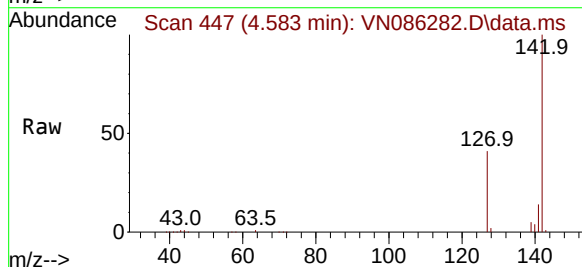
Manual Integrations
APPROVED

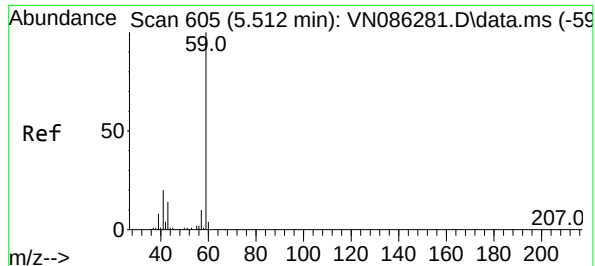
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#10
Methyl Iodide
Concen: 104.156 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.006 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

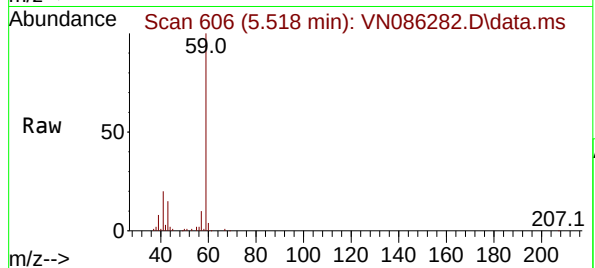
Tgt Ion:142 Resp: 287740
Ion Ratio Lower Upper
142 100
127 41.0 32.7 49.1
141 13.8 11.7 17.5





#11
Tert butyl alcohol
Concen: 434.831 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

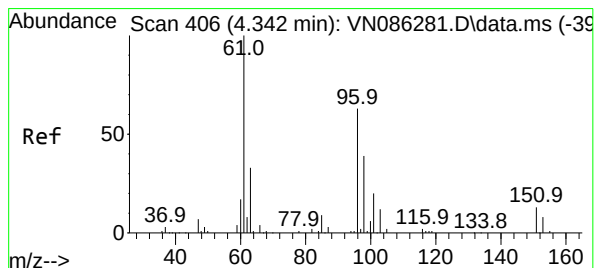
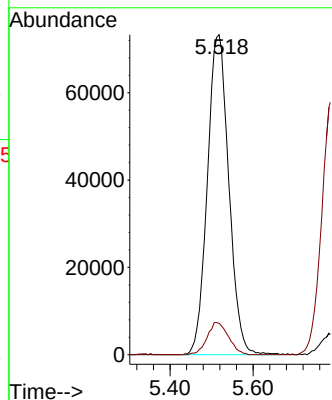
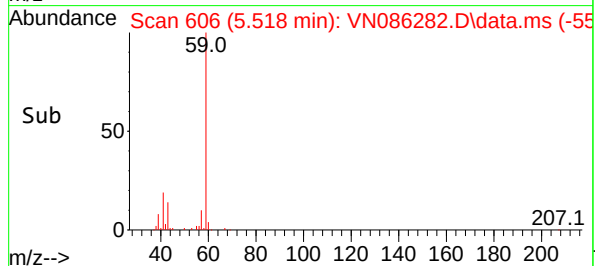
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 59 Resp: 262412
Ion Ratio Lower Upper
59 100
57 10.0 8.3 12.5

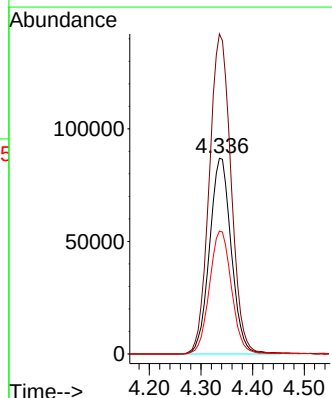
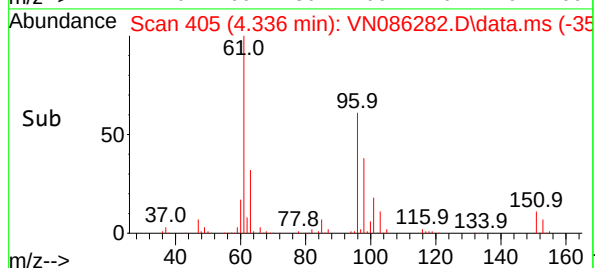
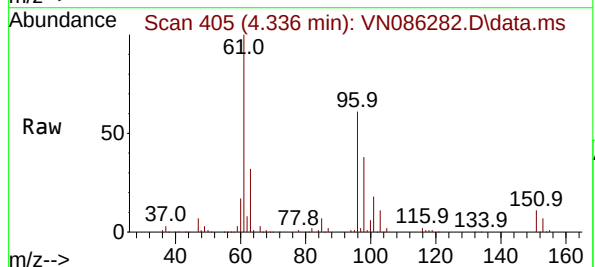
Manual Integrations
APPROVED

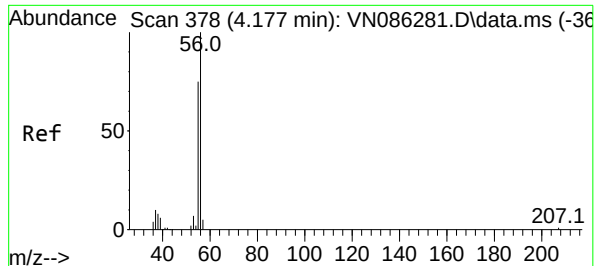
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#12
1,1-Dichloroethene
Concen: 94.627 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

Tgt Ion: 96 Resp: 254035
Ion Ratio Lower Upper
96 100
61 163.5 126.6 189.8
98 62.8 49.6 74.4





#13

Acrolein

Concen: 502.553 ug/l

RT: 4.171 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 13713

Ion Ratio Lower Upper

56 100

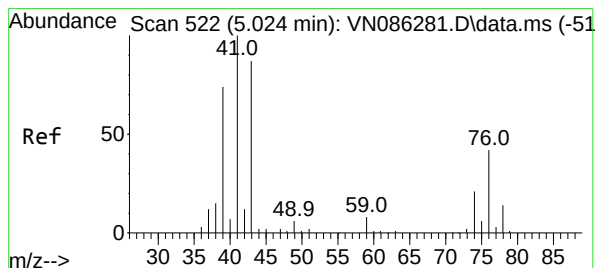
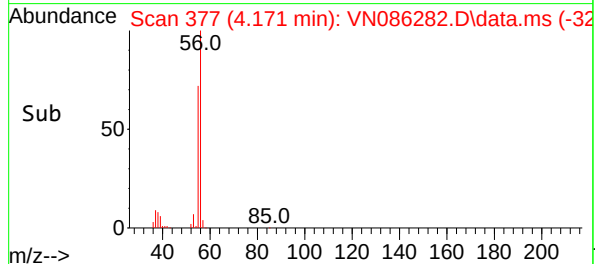
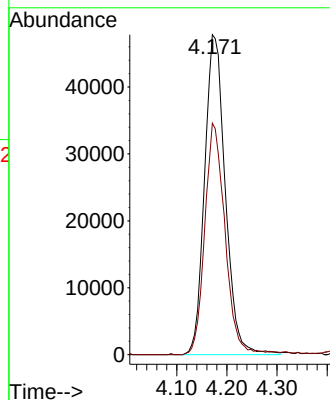
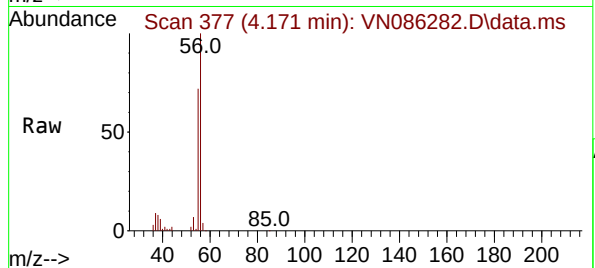
55 70.6 58.5 87.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#14

Allyl chloride

Concen: 91.225 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.006 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

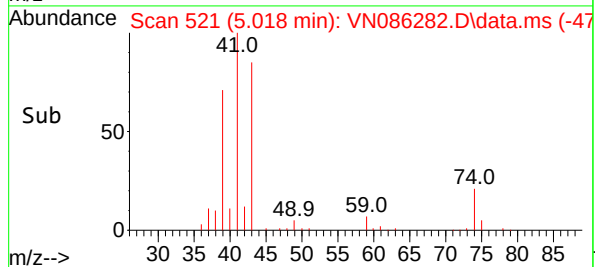
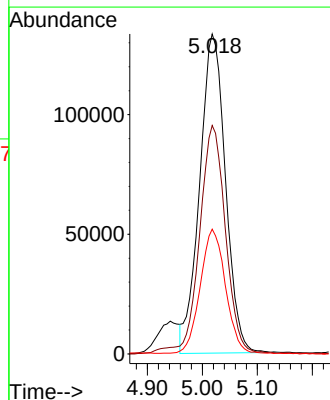
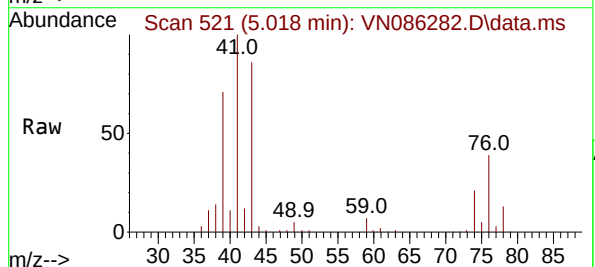
Tgt Ion: 41 Resp: 435112

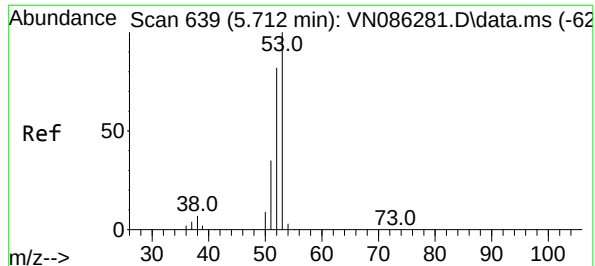
Ion Ratio Lower Upper

41 100

39 72.5 59.2 88.8

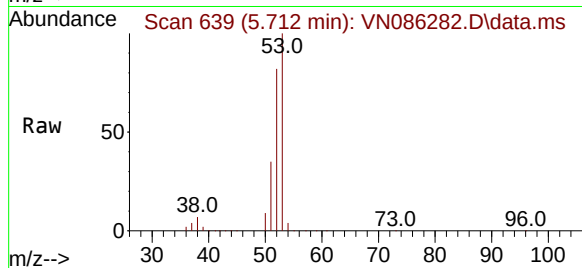
76 38.0 31.2 46.8





#15
Acrylonitrile
Concen: 478.368 ug/l
RT: 5.712 min Scan# 611
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

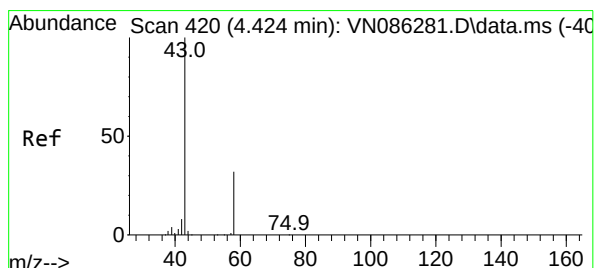
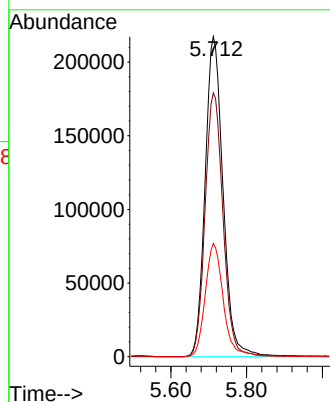
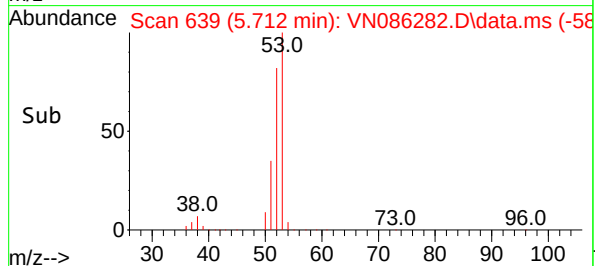
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 53 Resp: 713644
Ion Ratio Lower Upper
53 100
52 82.8 65.5 98.3
51 35.8 28.6 42.8

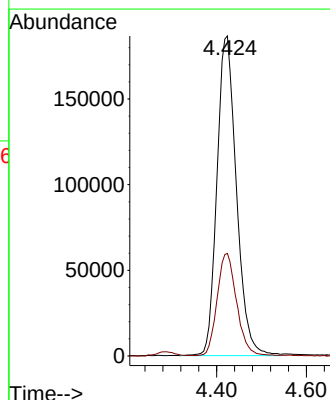
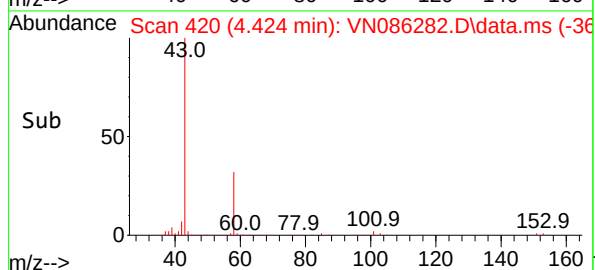
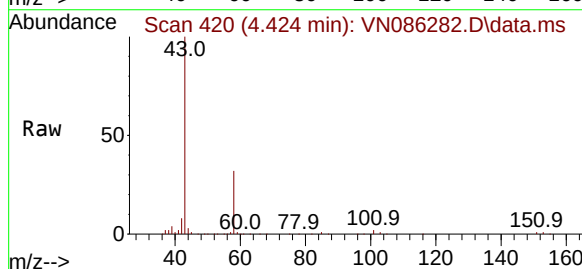
Manual Integrations
APPROVED

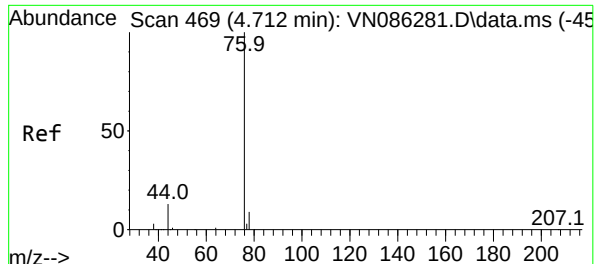
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#16
Acetone
Concen: 498.290 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

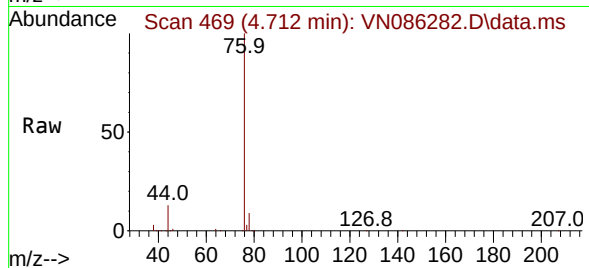
Tgt Ion: 43 Resp: 563323
Ion Ratio Lower Upper
43 100
58 31.9 25.3 37.9





#17
Carbon Disulfide
Concen: 85.294 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

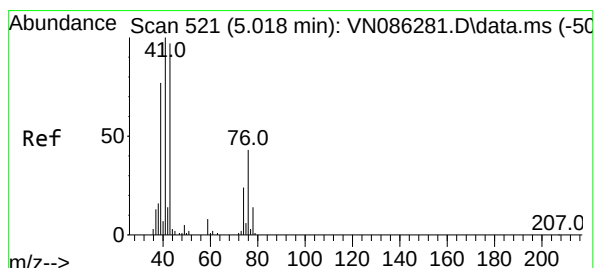
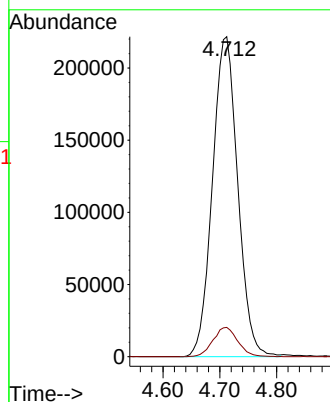
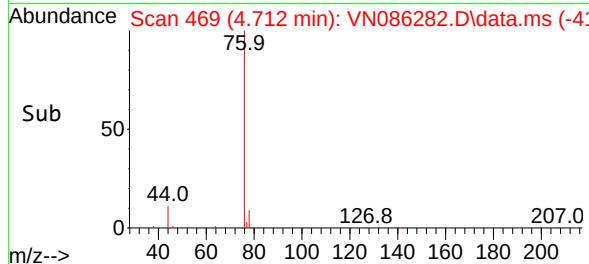
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 76 Resp: 685619
Ion Ratio Lower Upper
76 100
78 9.1 7.6 11.4

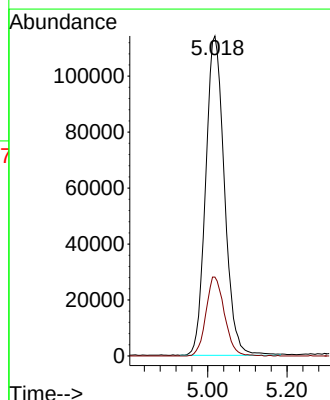
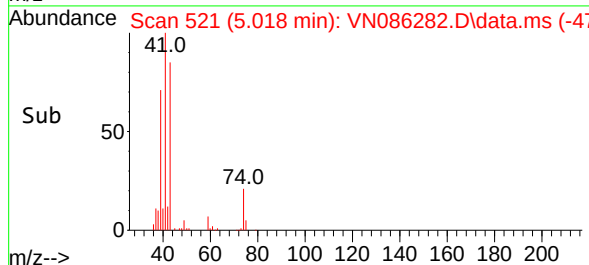
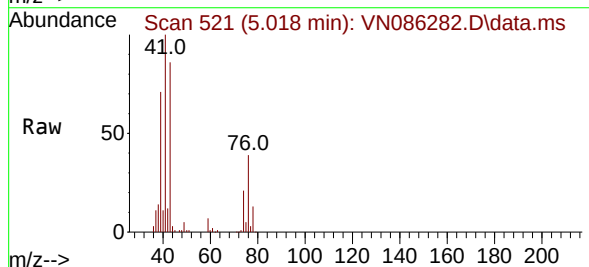
Manual Integrations
APPROVED

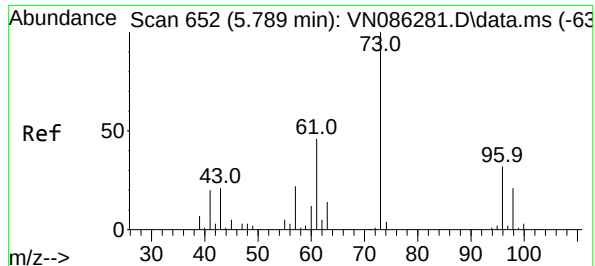
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#18
Methyl Acetate
Concen: 94.410 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

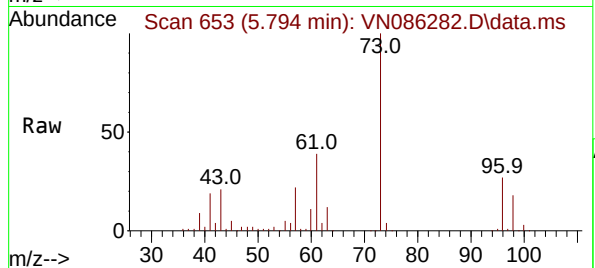
Tgt Ion: 43 Resp: 374831
Ion Ratio Lower Upper
43 100
74 24.4 19.8 29.6





#19
Methyl tert-butyl Ether
Concen: 93.089 ug/l
RT: 5.794 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

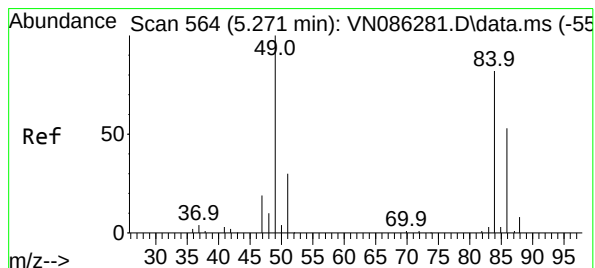
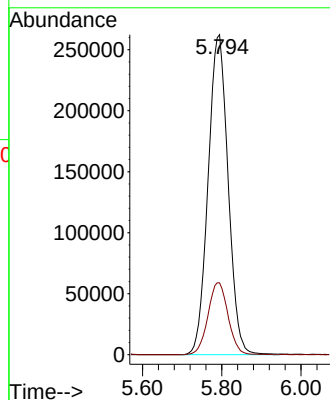
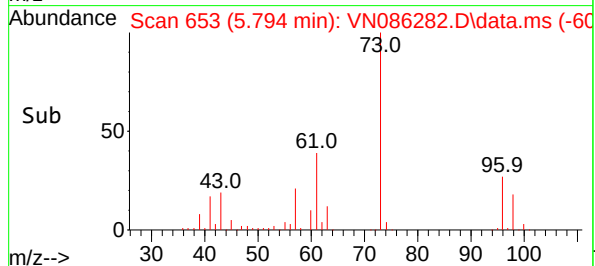
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 73 Resp: 918634
Ion Ratio Lower Upper
73 100
57 22.5 17.6 26.4

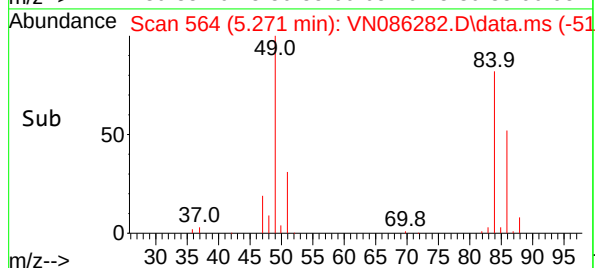
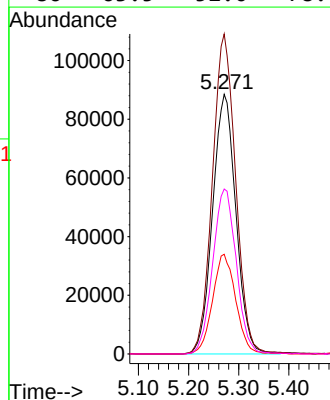
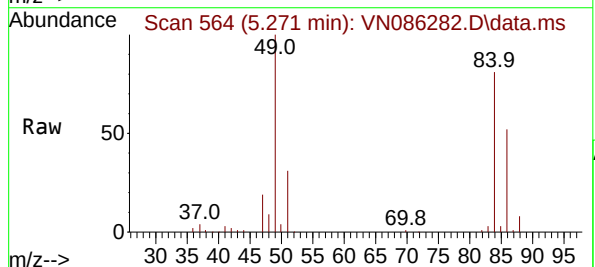
Manual Integrations
APPROVED

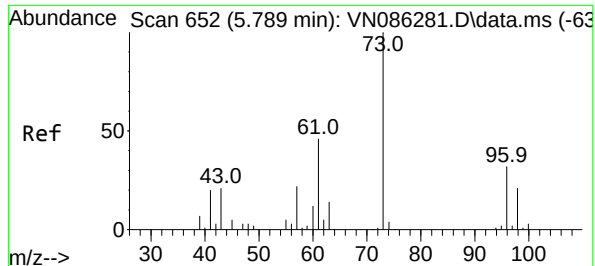
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#20
Methylene Chloride
Concen: 93.774 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

Tgt Ion: 84 Resp: 286733
Ion Ratio Lower Upper
84 100
49 123.2 98.2 147.2
51 38.4 29.8 44.6
86 63.5 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 94.241 ug/l

RT: 5.783 min Scan# 61

Delta R.T. -0.006 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 264504

Ion Ratio Lower Upper

96 100

61 142.8 114.6 171.8

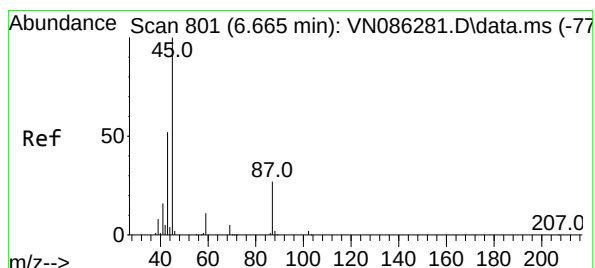
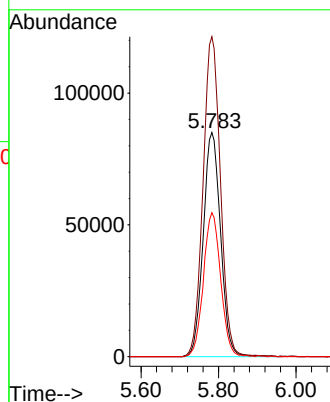
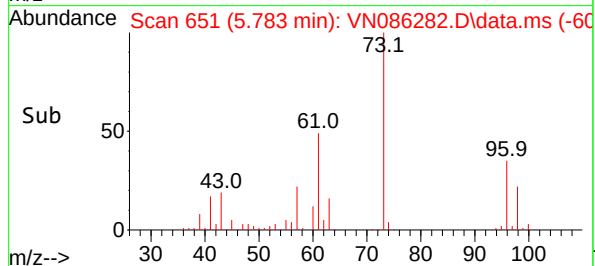
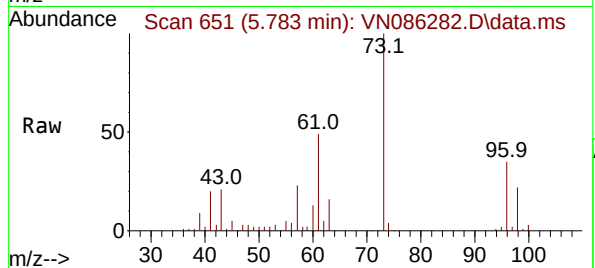
98 64.3 51.2 76.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#22

Diisopropyl ether

Concen: 93.497 ug/l

RT: 6.665 min Scan# 801

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

Tgt Ion: 45 Resp: 970652

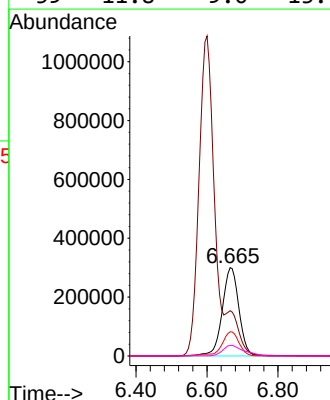
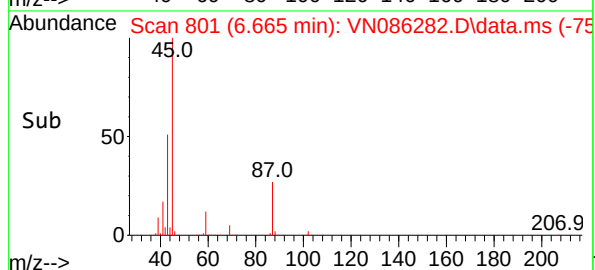
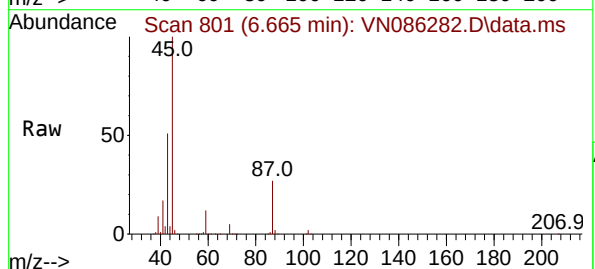
Ion Ratio Lower Upper

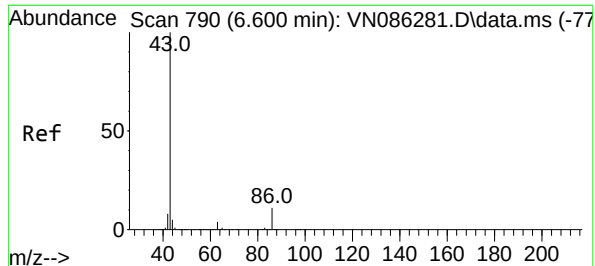
45 100

43 51.2 41.8 62.8

87 27.4 21.6 32.4

59 11.8 9.0 13.4





#23

Vinyl Acetate

Concen: 438.915 ug/l

RT: 6.600 min Scan# 790

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 318450

Ion Ratio Lower Upper

43 100

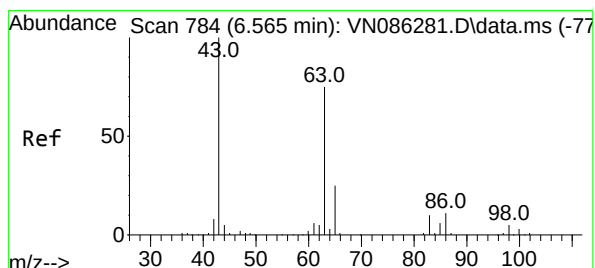
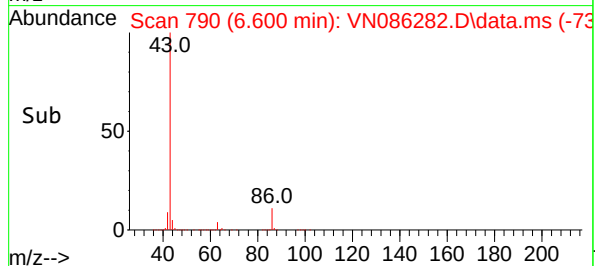
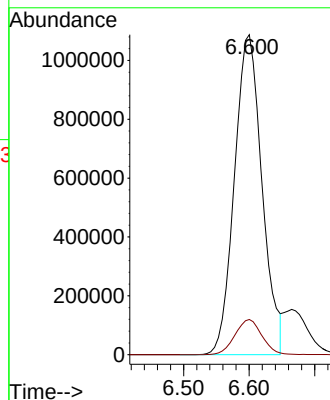
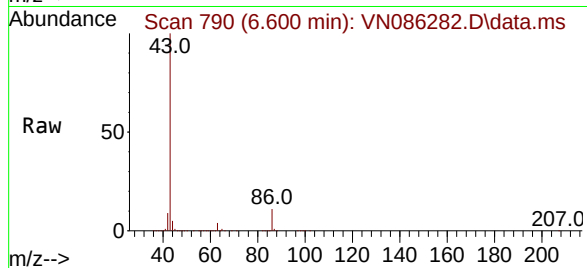
86 11.0 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#24

1,1-Dichloroethane

Concen: 95.914 ug/l

RT: 6.565 min Scan# 784

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

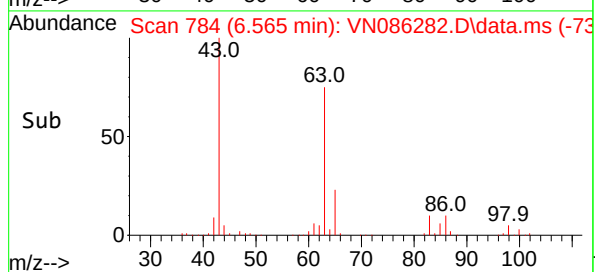
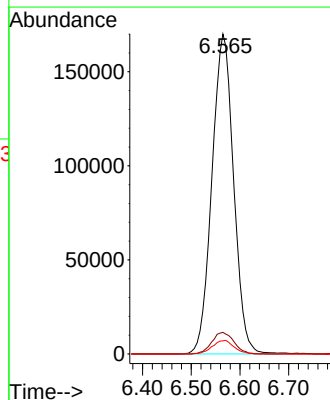
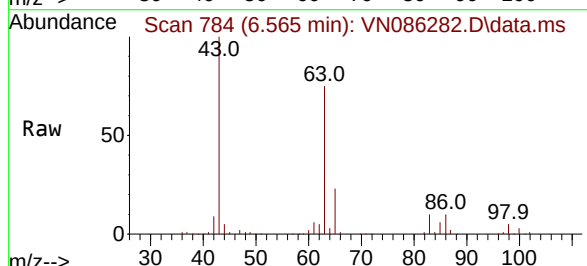
Tgt Ion: 63 Resp: 525385

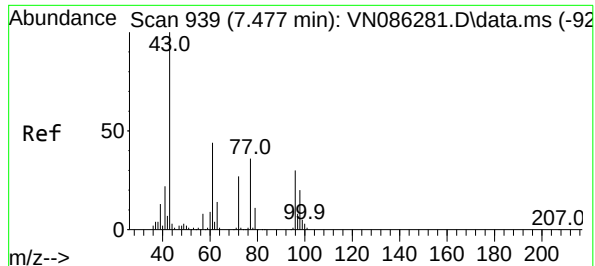
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.1 2.1 6.5





#25

2-Butanone

Concen: 465.437 ug/l

RT: 7.477 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 95821

Ion Ratio Lower Upper

43 100

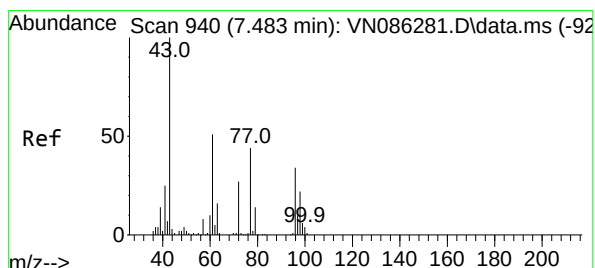
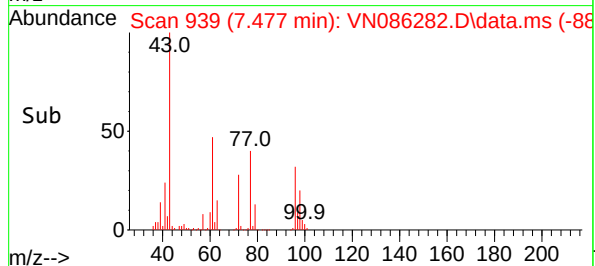
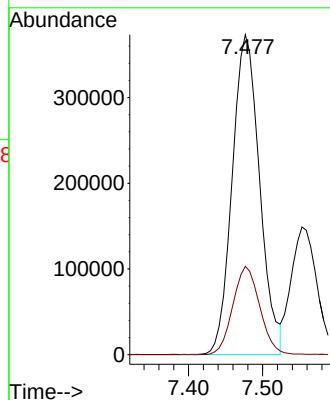
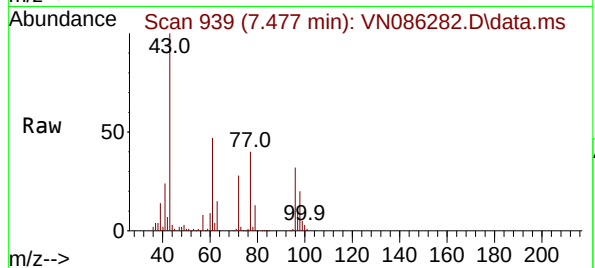
72 27.6 21.7 32.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#26

2,2-Dichloropropane

Concen: 96.005 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN086282.D

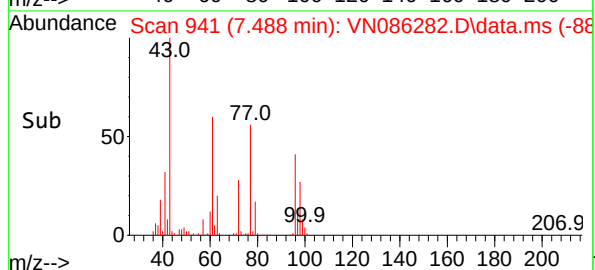
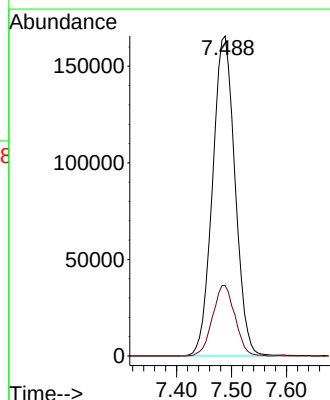
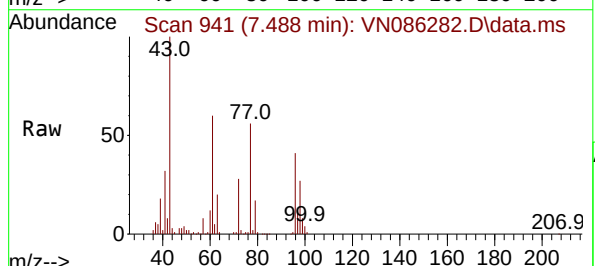
Acq: 15 Apr 2025 14:29

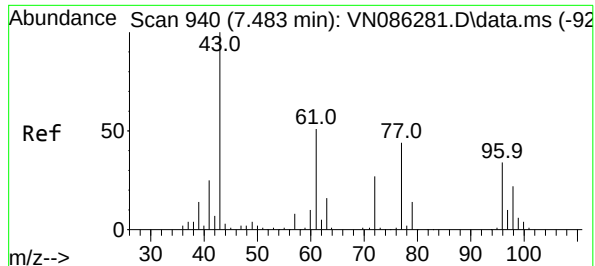
Tgt Ion: 77 Resp: 470852

Ion Ratio Lower Upper

77 100

97 22.0 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 94.252 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 96 Resp: 328329

Ion Ratio Lower Upper

96 100

61 149.2 0.0 299.0

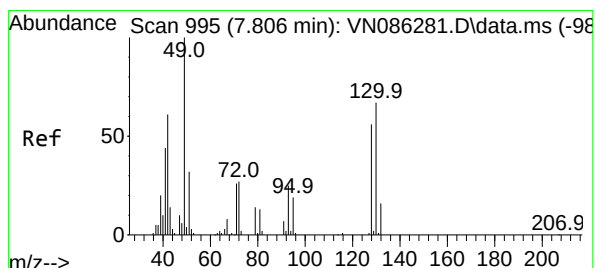
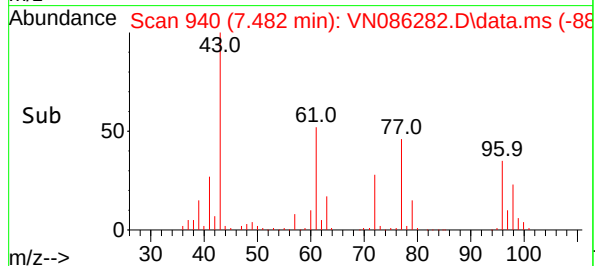
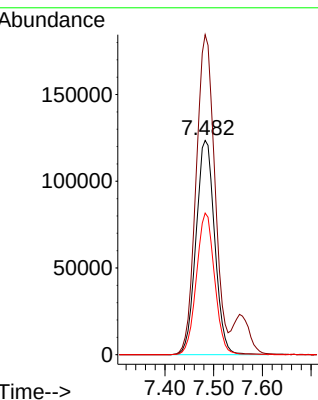
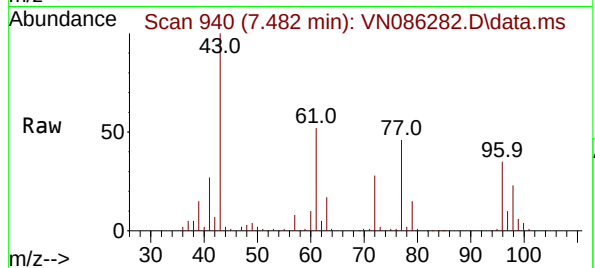
98 64.6 0.0 129.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#28

Bromochloromethane

Concen: 99.357 ug/l

RT: 7.812 min Scan# 996

Delta R.T. 0.006 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

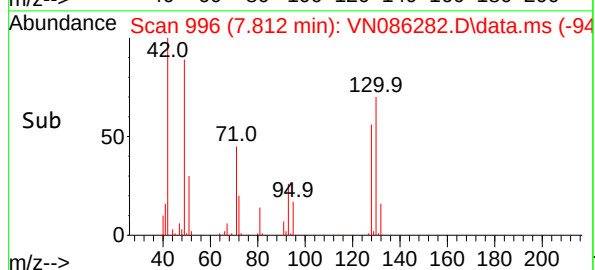
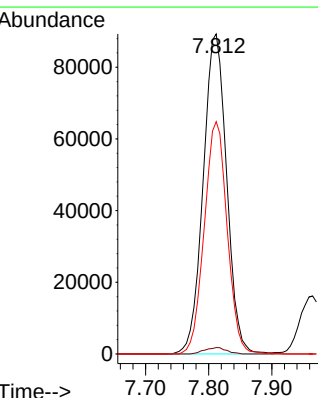
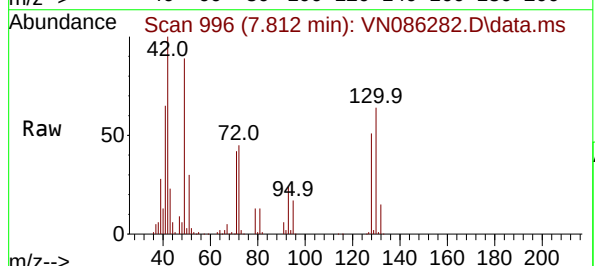
Tgt Ion: 49 Resp: 230762

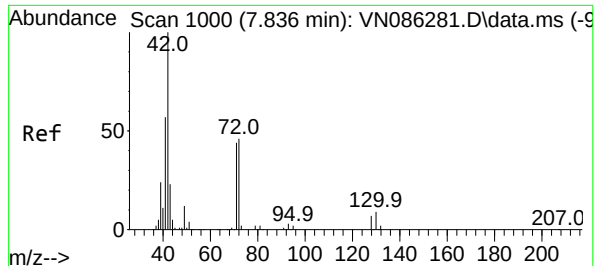
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.4

130 70.7 57.1 85.7





#29

Tetrahydrofuran

Concen: 453.130 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 42 Resp: 62382

Ion Ratio Lower Upper

42 100

72 45.1 36.2 54.4

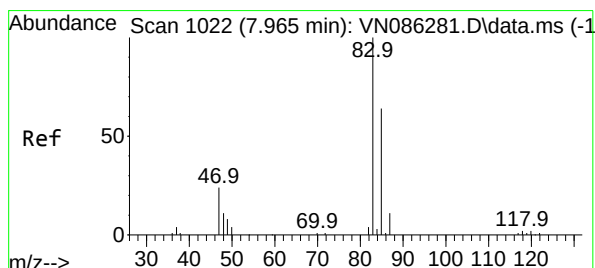
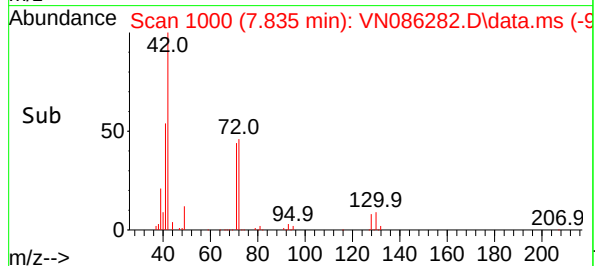
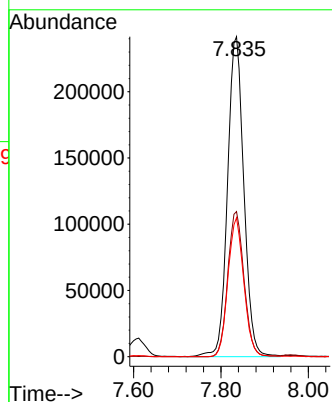
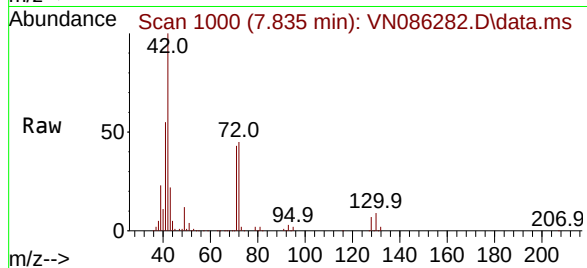
71 42.2 34.0 51.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#30

Chloroform

Concen: 93.611 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VN086282.D

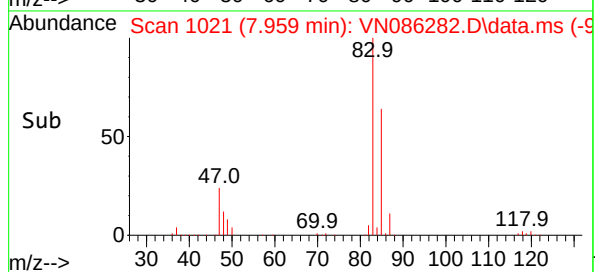
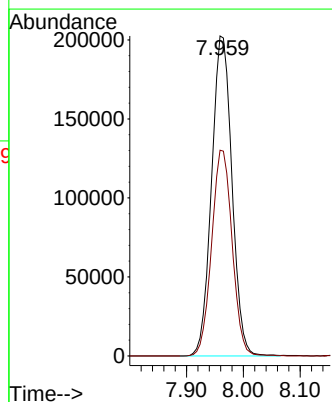
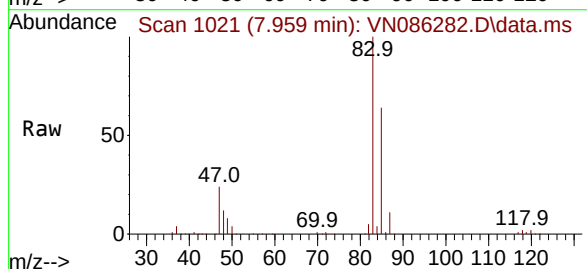
Acq: 15 Apr 2025 14:29

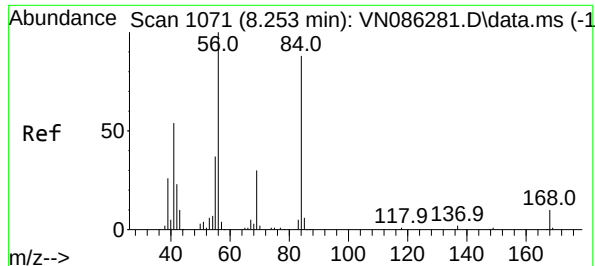
Tgt Ion: 83 Resp: 503712

Ion Ratio Lower Upper

83 100

85 64.3 51.5 77.3





#31

Cyclohexane

Concen: 90.418 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 484648

Ion Ratio Lower Upper

56 100

69 31.3 24.2 36.2

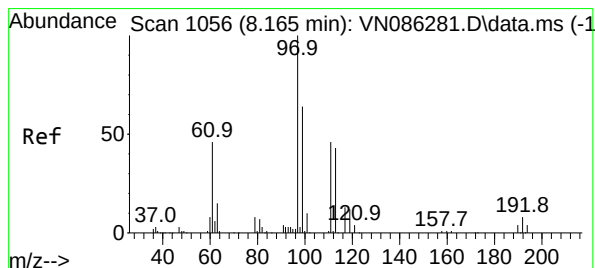
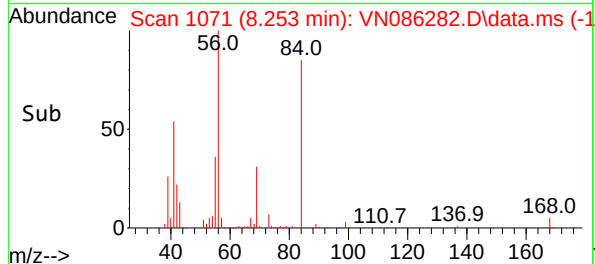
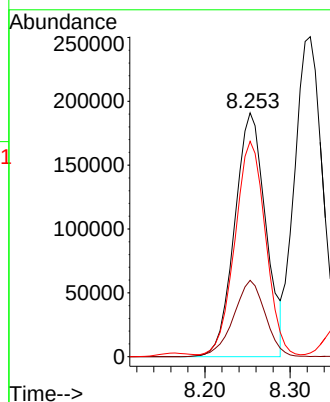
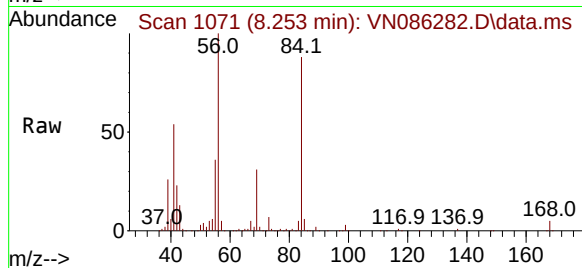
84 87.0 70.3 105.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#32

1,1,1-Trichloroethane

Concen: 94.058 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

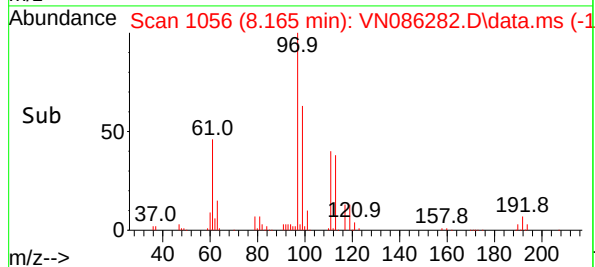
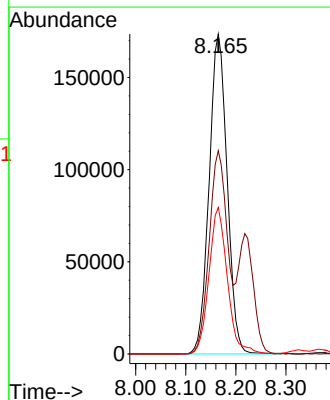
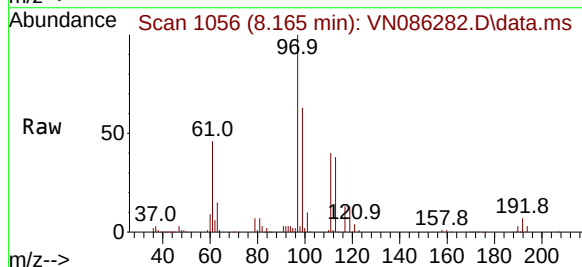
Tgt Ion: 97 Resp: 432964

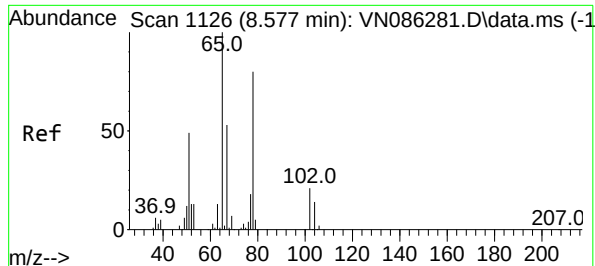
Ion Ratio Lower Upper

97 100

99 63.8 52.7 79.1

61 46.9 39.5 59.3





#33

1,2-Dichloroethane-d4

Concen: 97.633 ug/l

RT: 8.571 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 65 Resp: 322920

Ion Ratio Lower Upper

65 100

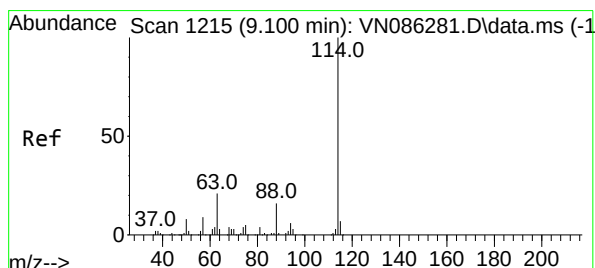
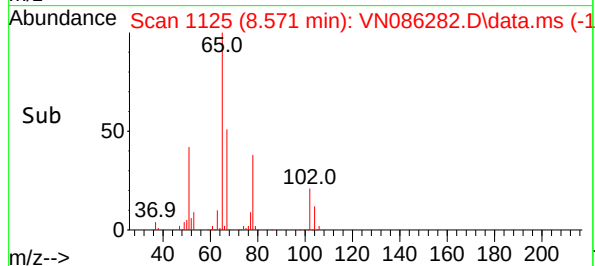
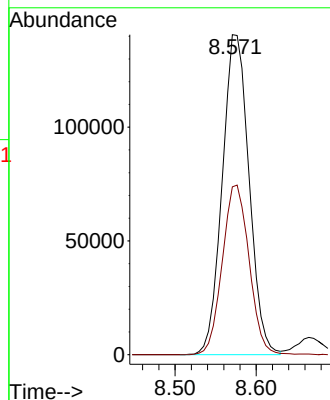
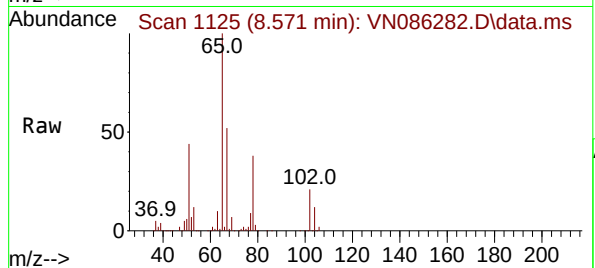
67 53.1 0.0 106.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

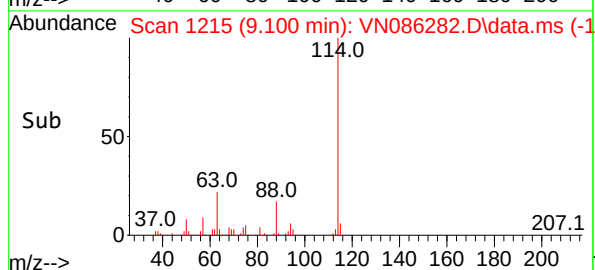
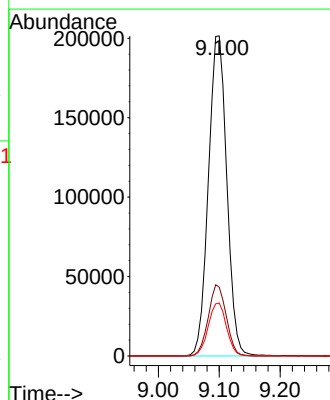
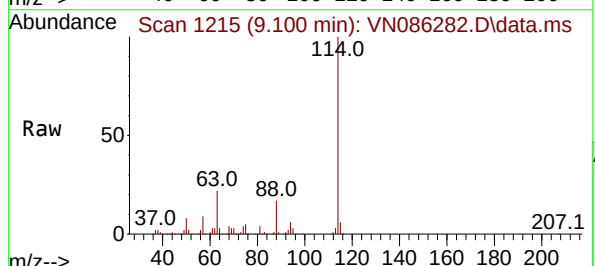
Tgt Ion:114 Resp: 422902

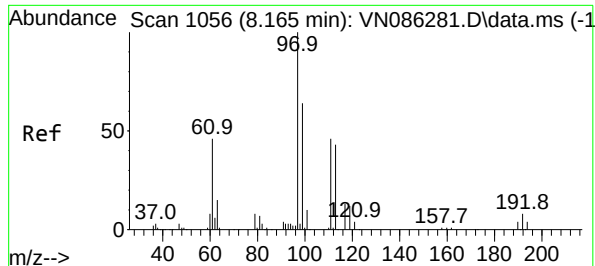
Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.6

88 16.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 83.402 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:113 Resp: 163690

Ion Ratio Lower Upper

113 100

111 103.9 83.4 125.0

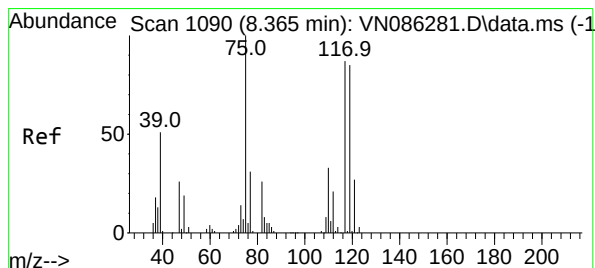
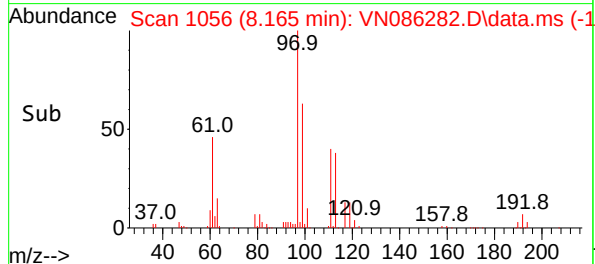
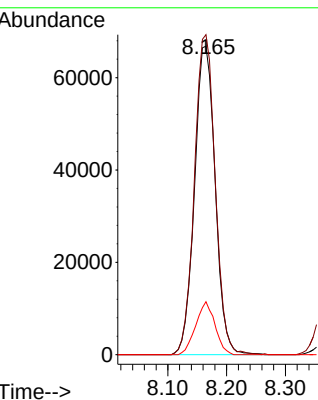
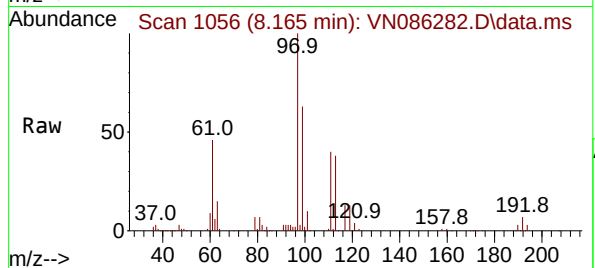
192 16.0 13.7 20.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#36

1,1-Dichloropropene

Concen: 96.591 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

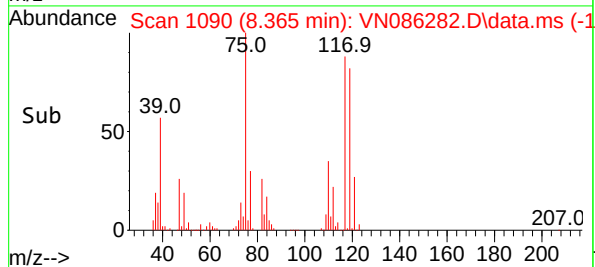
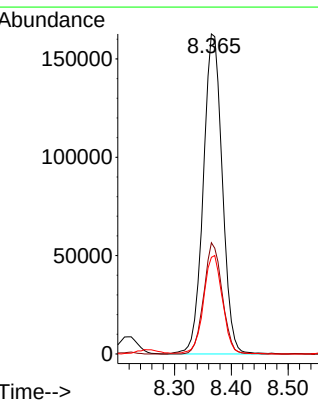
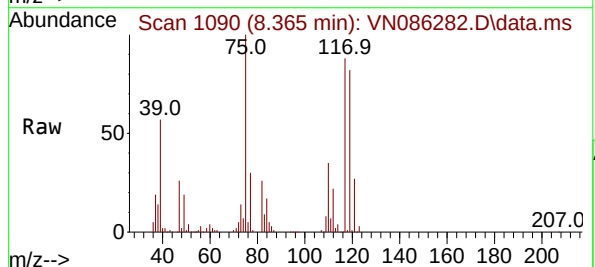
Tgt Ion: 75 Resp: 378663

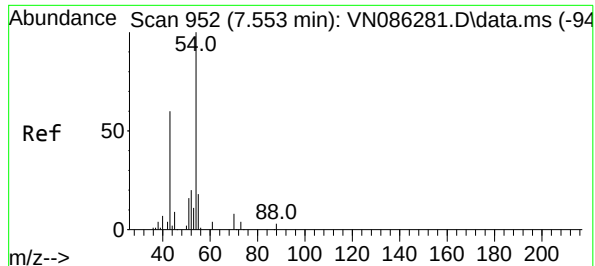
Ion Ratio Lower Upper

75 100

110 33.5 16.8 50.4

77 30.8 24.9 37.3





#37

Ethyl Acetate

Concen: 89.962 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 371298

Ion Ratio Lower Upper

43 100

61 13.8 11.1 16.7

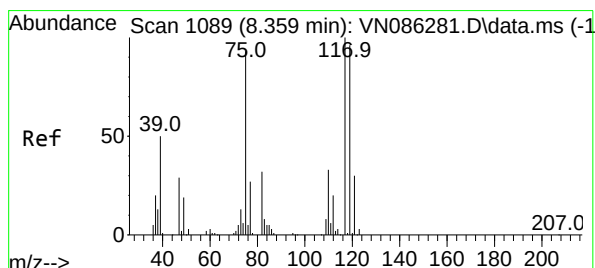
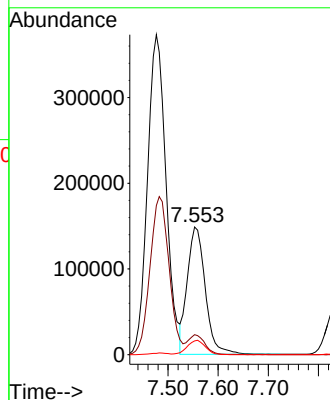
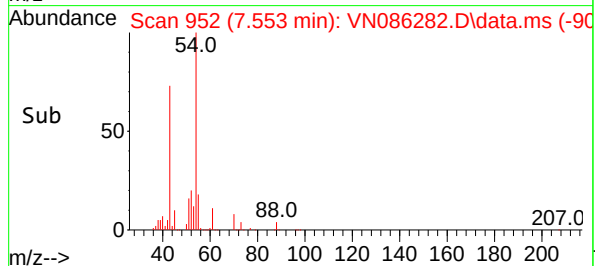
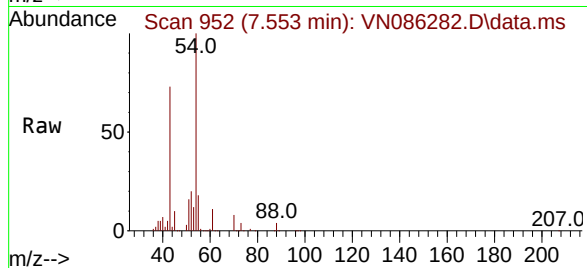
70 11.4 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#38

Carbon Tetrachloride

Concen: 96.450 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

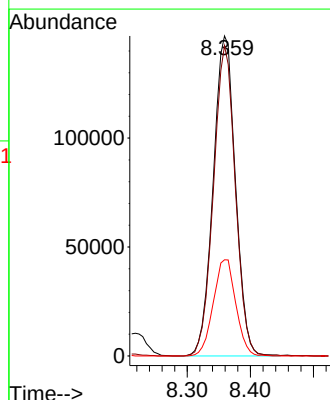
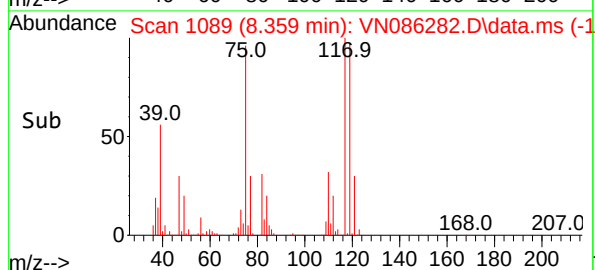
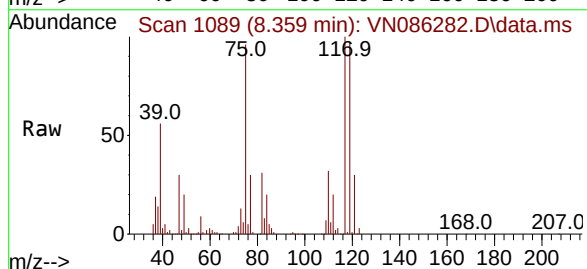
Tgt Ion:117 Resp: 360081

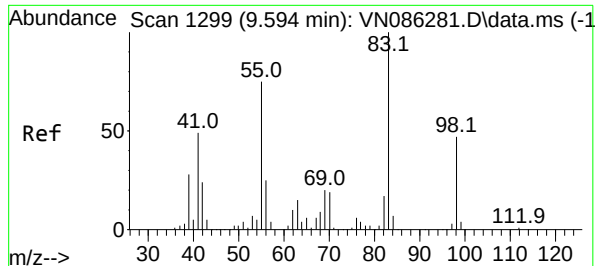
Ion Ratio Lower Upper

117 100

119 96.9 76.8 115.2

121 30.1 23.8 35.8





#39

Methylcyclohexane

Concen: 96.325 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 44884

Ion Ratio Lower Upper

83 100

55 76.8 59.8 89.8

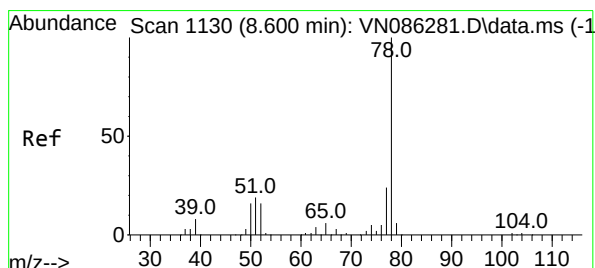
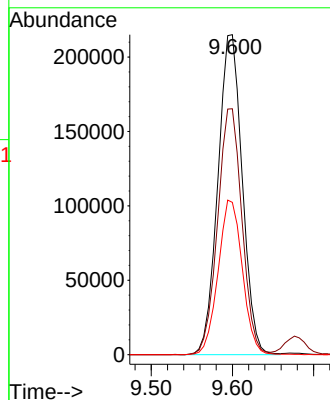
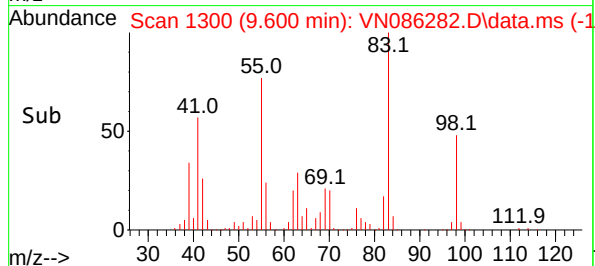
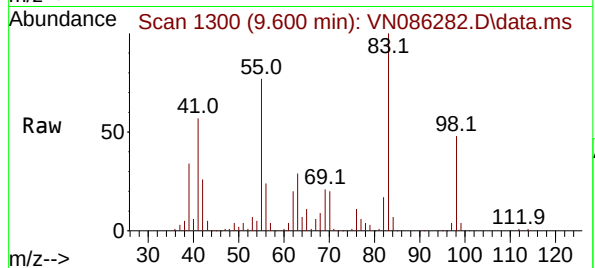
98 47.6 37.9 56.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#40

Benzene

Concen: 95.020 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN086282.D

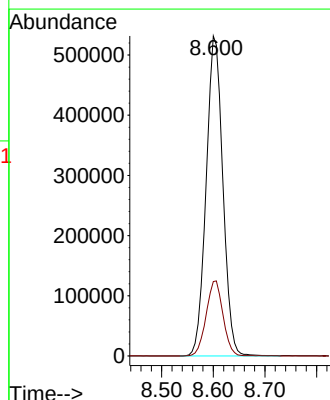
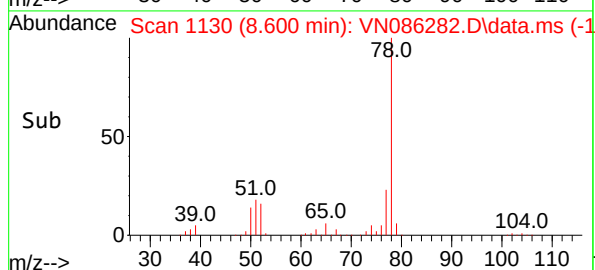
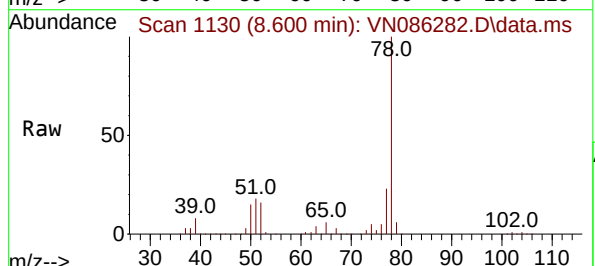
Acq: 15 Apr 2025 14:29

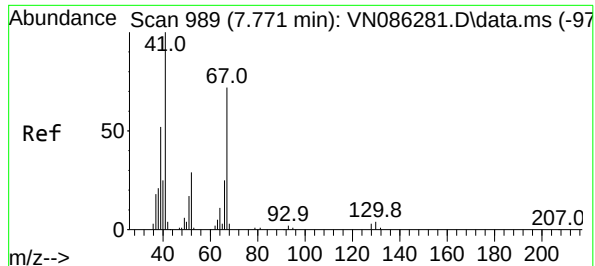
Tgt Ion: 78 Resp: 1193479

Ion Ratio Lower Upper

78 100

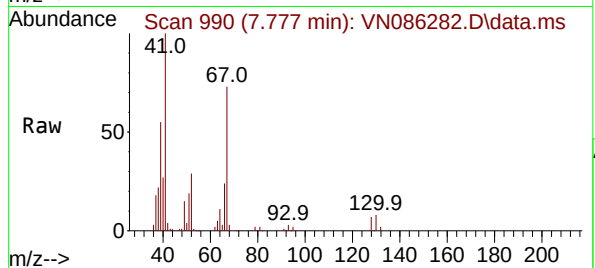
77 23.2 19.4 29.2





#41
Methacrylonitrile
Concen: 91.695 ug/l
RT: 7.777 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

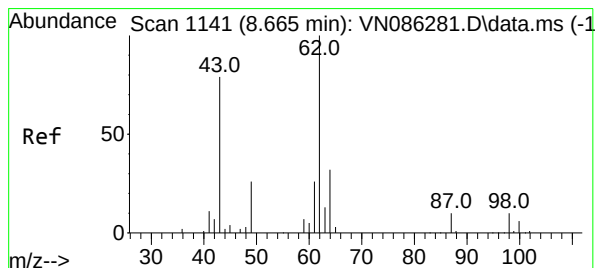
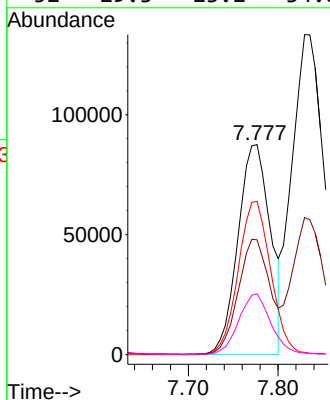
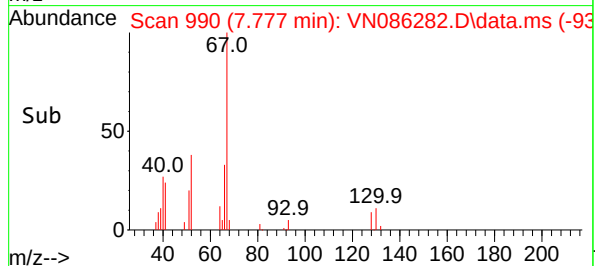
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 41 Resp: 21933
Ion Ratio Lower Upper
41 100
39 53.9 43.0 64.4
67 73.8 58.8 88.2
52 29.3 23.2 34.8

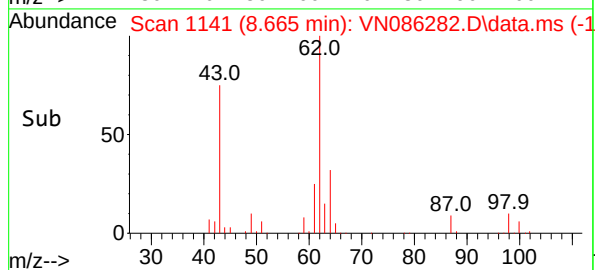
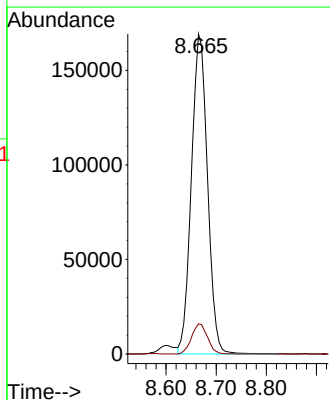
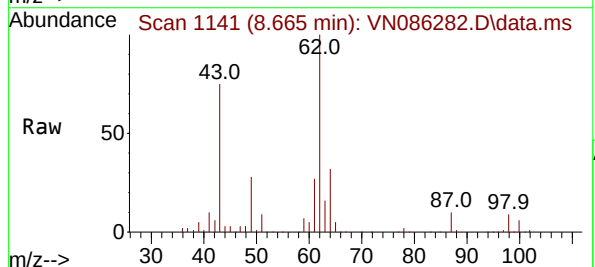
Manual Integrations
APPROVED

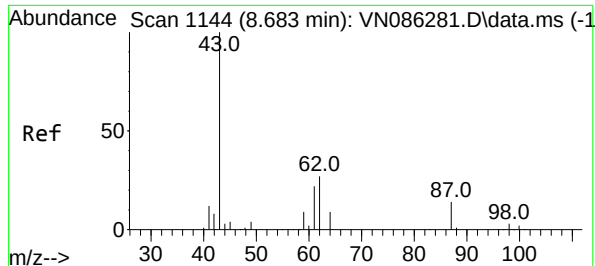
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#42
1,2-Dichloroethane
Concen: 94.143 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

Tgt Ion: 62 Resp: 377081
Ion Ratio Lower Upper
62 100
98 9.3 0.0 19.2





#43

Isopropyl Acetate

Concen: 100.085 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.001 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

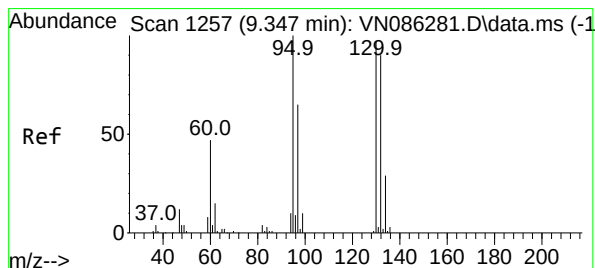
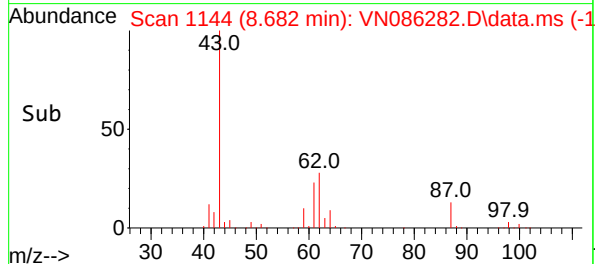
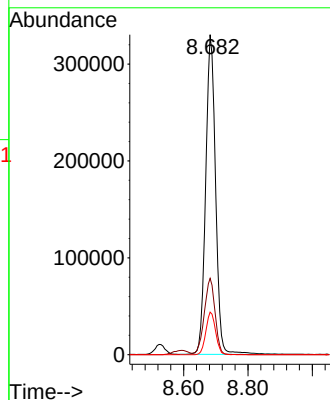
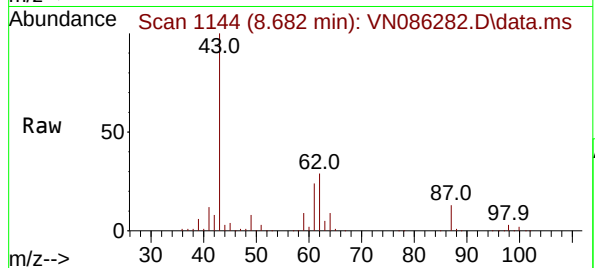
Tgt Ion:	43	Resp:	704184
Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.5	30.7
87	13.1	10.5	15.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#44

Trichloroethene

Concen: 97.020 ug/l

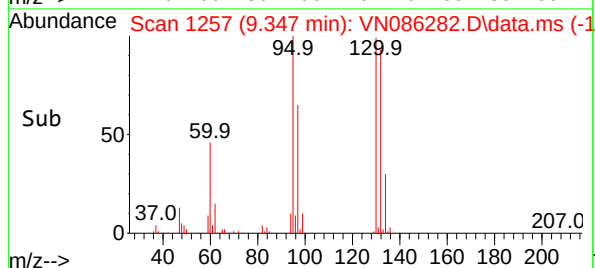
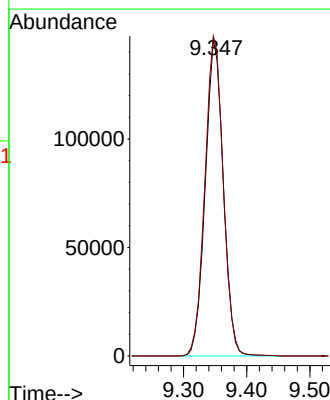
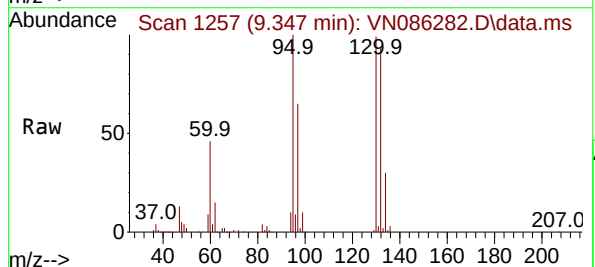
RT: 9.347 min Scan# 1257

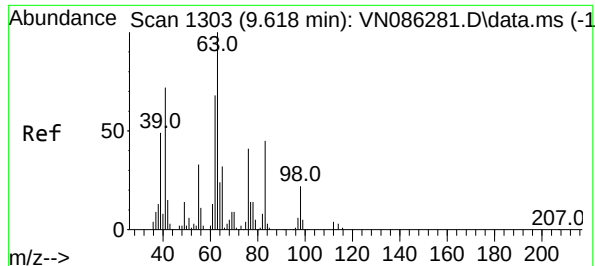
Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

Tgt Ion:	130	Resp:	288832
Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	207.2





#45

1,2-Dichloropropane

Concen: 95.501 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 29362

Ion Ratio Lower Upper

63 100

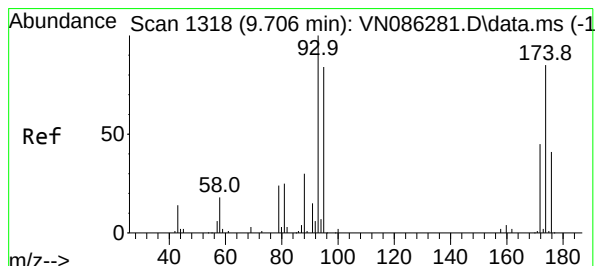
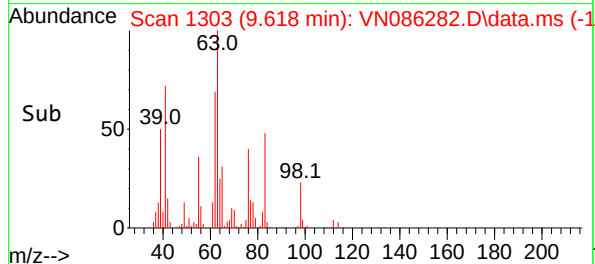
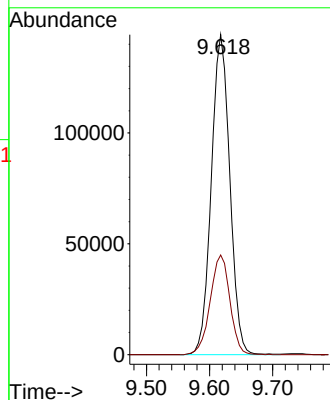
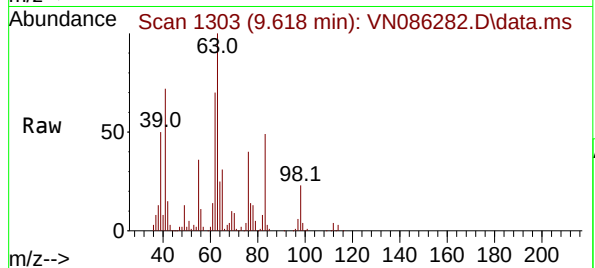
65 31.2 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#46

Dibromomethane

Concen: 97.667 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

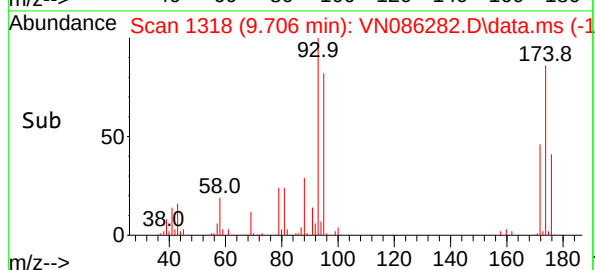
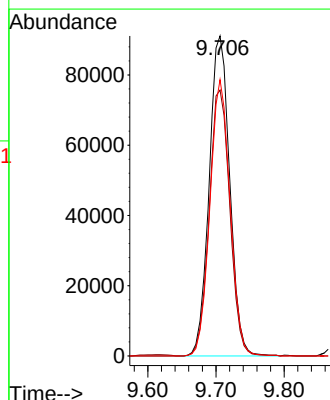
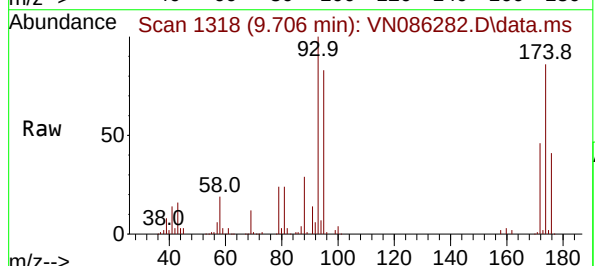
Tgt Ion: 93 Resp: 191324

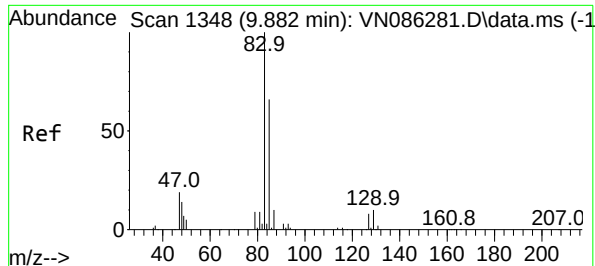
Ion Ratio Lower Upper

93 100

95 83.5 66.2 99.4

174 84.6 67.8 101.6





#47

Bromodichloromethane

Concen: 95.372 ug/l

RT: 9.882 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

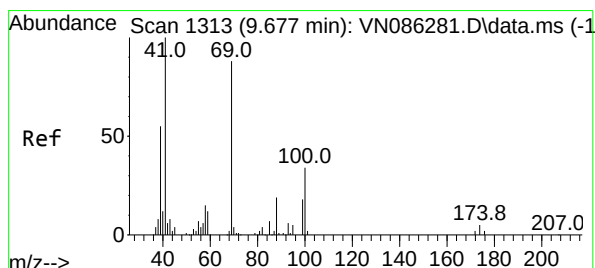
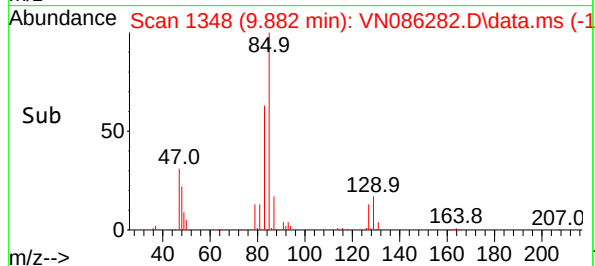
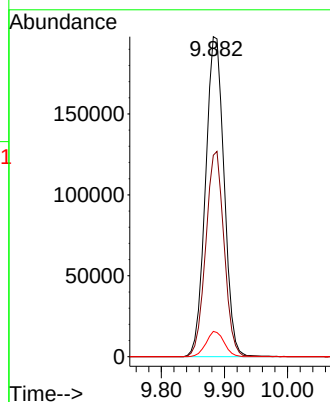
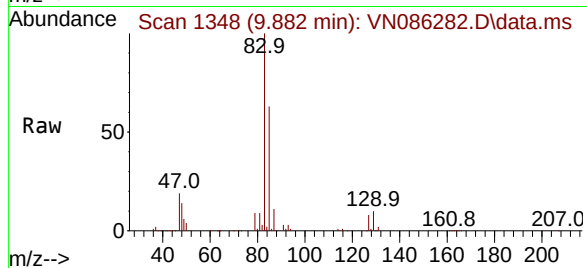
Tgt Ion:	83	Resp:	403514
Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.6	78.8
127	7.9	6.1	9.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#48

Methyl methacrylate

Concen: 90.052 ug/l

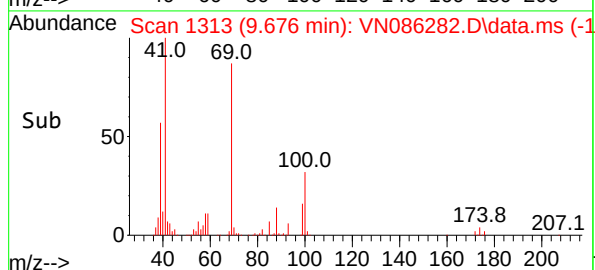
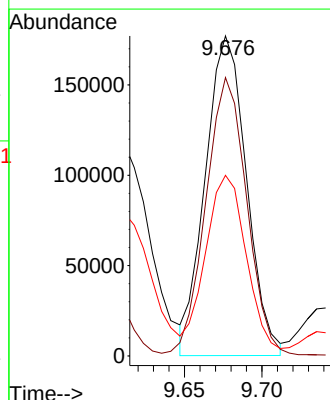
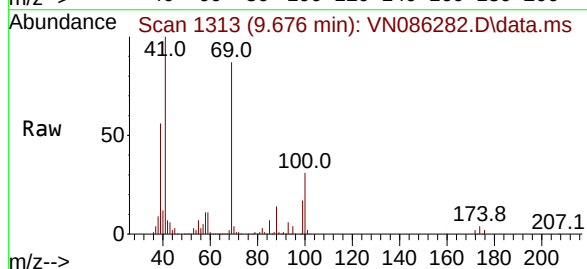
RT: 9.676 min Scan# 1313

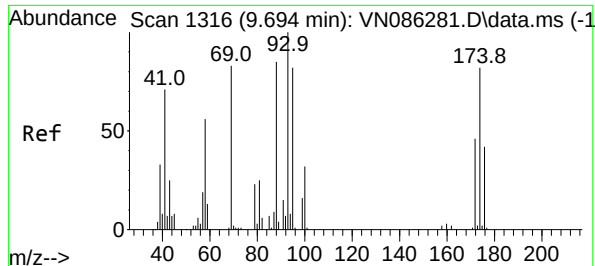
Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

Tgt Ion:	41	Resp:	326384
Ion	Ratio	Lower	Upper
41	100		
69	87.1	68.2	102.2
39	57.0	45.2	67.8





#49

1,4-Dioxane

Concen: 1601.137 ug/l

RT: 9.688 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 88 Resp: 9871

Ion Ratio Lower Upper

88 100

43 27.4 23.8 35.8

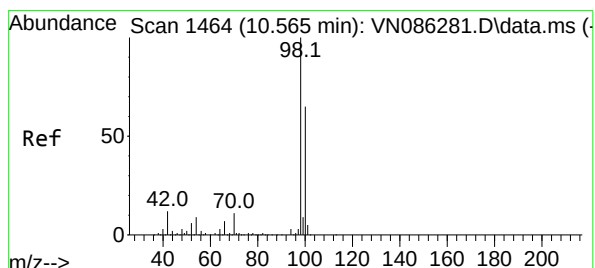
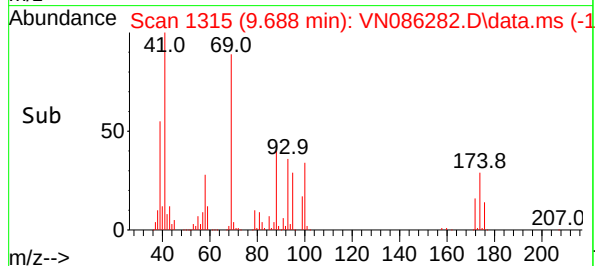
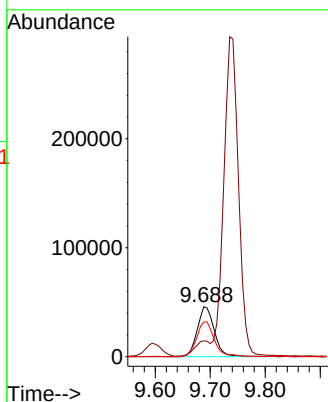
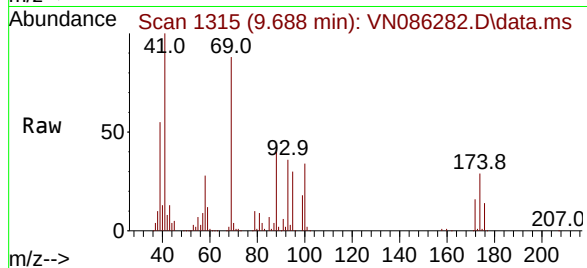
58 73.1 57.4 86.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#50

Toluene-d8

Concen: 99.767 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086282.D

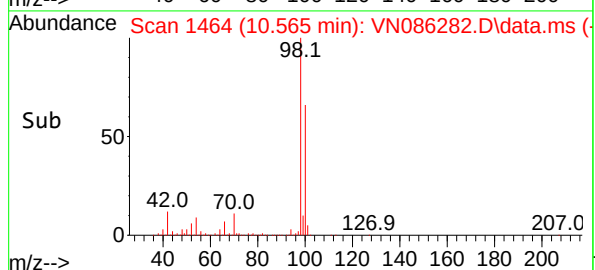
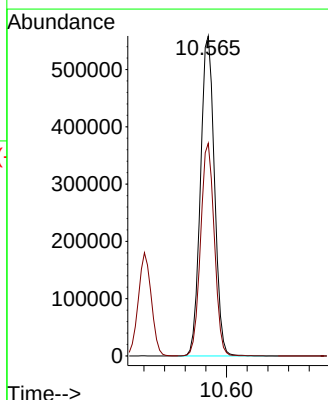
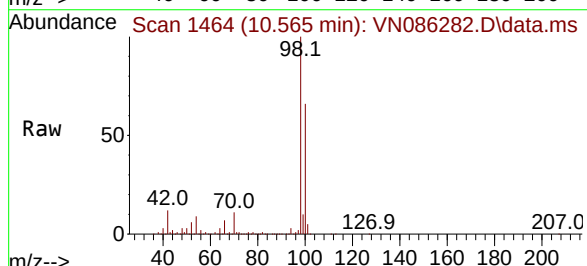
Acq: 15 Apr 2025 14:29

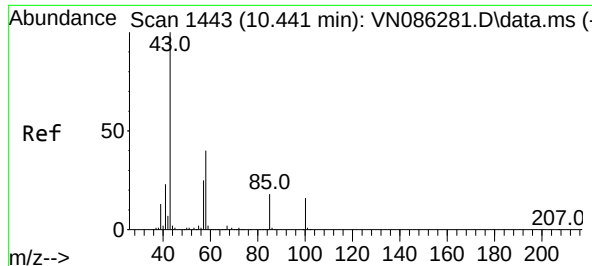
Tgt Ion: 98 Resp: 1046538

Ion Ratio Lower Upper

98 100

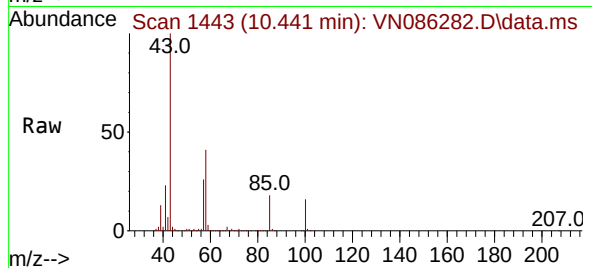
100 65.4 52.5 78.7





#51
4-Methyl-2-Pentanone
Concen: 470.803 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

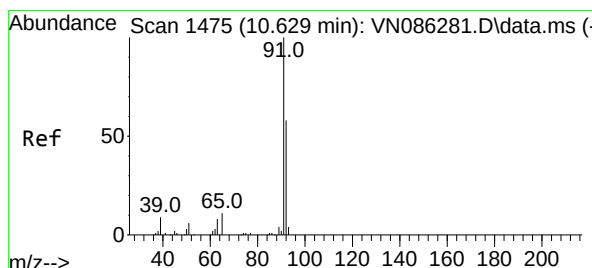
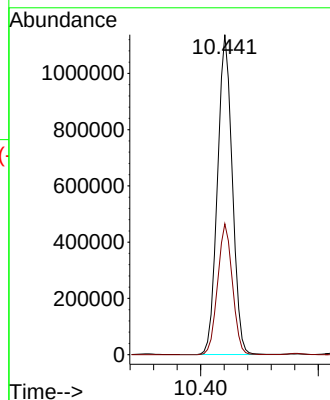
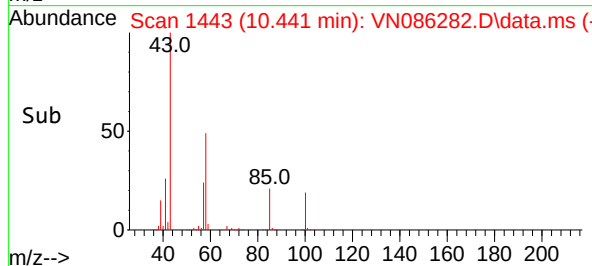
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 198976
Ion Ratio Lower Upper
43 100
58 40.8 32.2 48.4

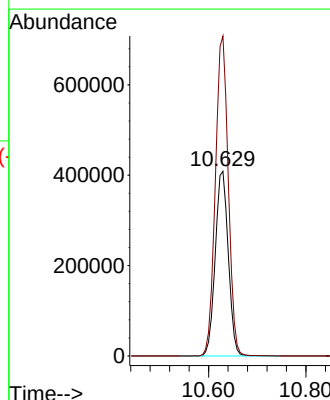
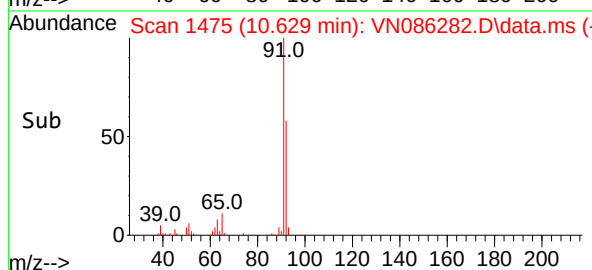
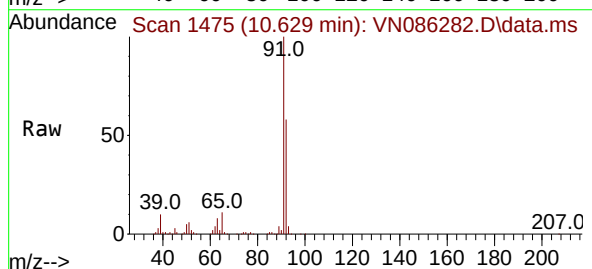
Manual Integrations
APPROVED

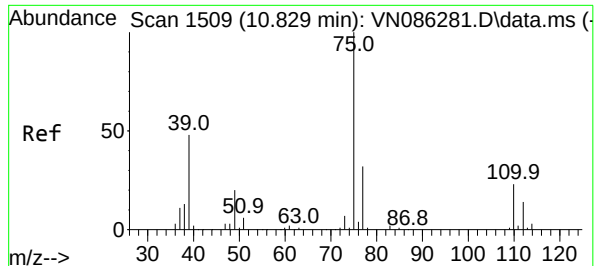
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#52
Toluene
Concen: 96.592 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

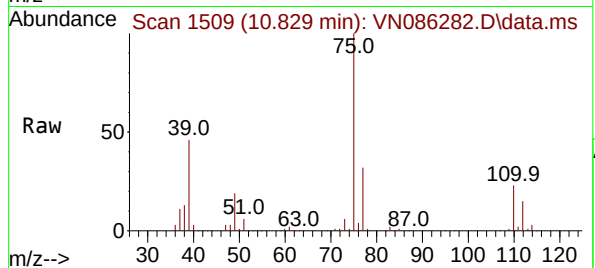
Tgt Ion: 92 Resp: 757019
Ion Ratio Lower Upper
92 100
91 171.5 137.3 205.9





#53
t-1,3-Dichloropropene
Concen: 99.248 ug/l
RT: 10.829 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

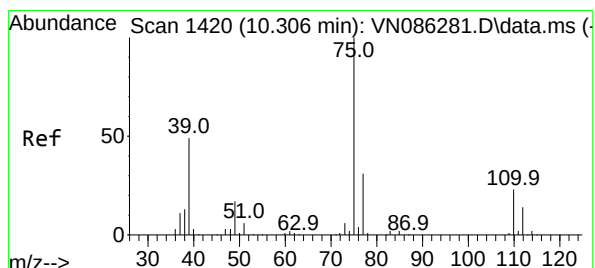
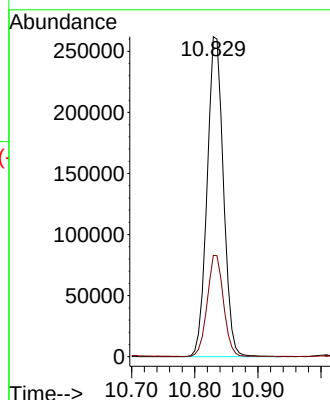
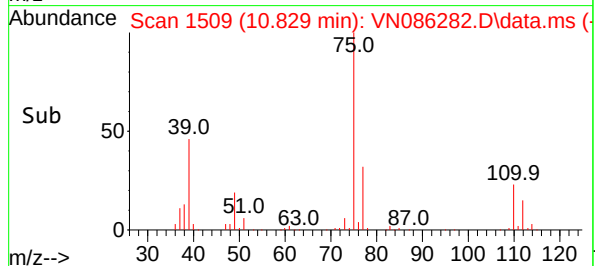
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 75 Resp: 468739
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0

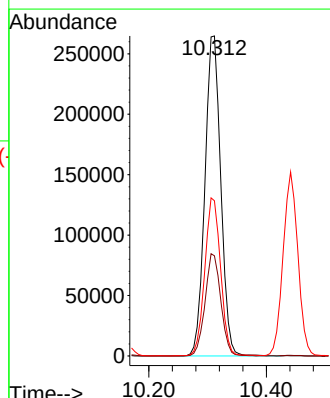
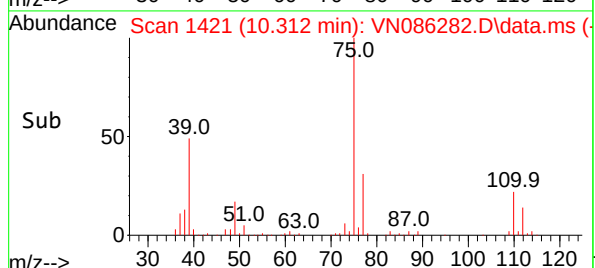
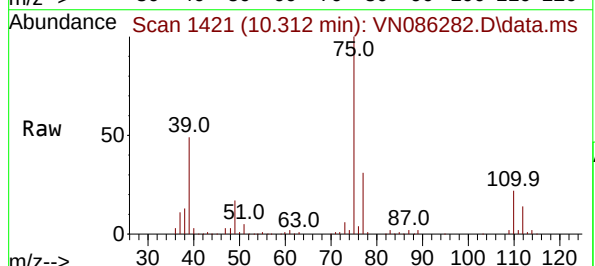
Manual Integrations
APPROVED

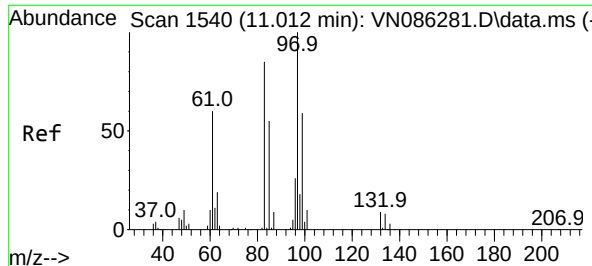
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#54
cis-1,3-Dichloropropene
Concen: 95.755 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

Tgt Ion: 75 Resp: 496721
Ion Ratio Lower Upper
75 100
77 31.3 25.2 37.8
39 48.4 39.3 58.9





#55

1,1,2-Trichloroethane

Concen: 93.795 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 26448

Ion Ratio Lower Upper

97 100

83 86.6 68.4 102.6

85 56.2 43.9 65.9

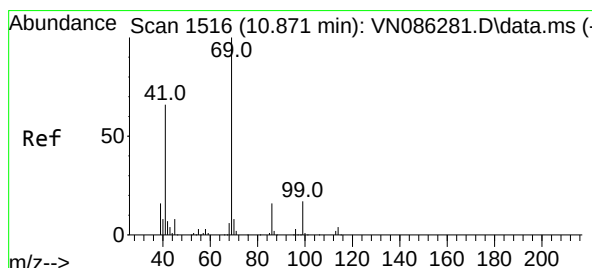
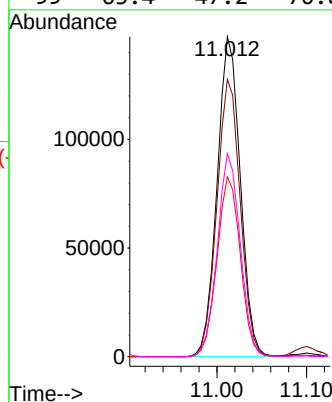
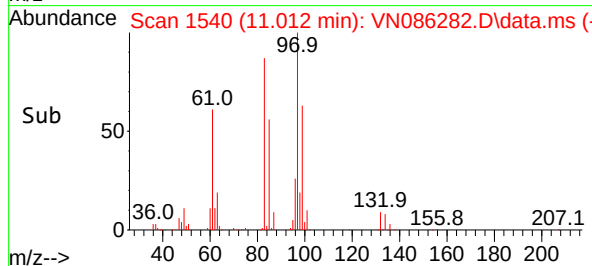
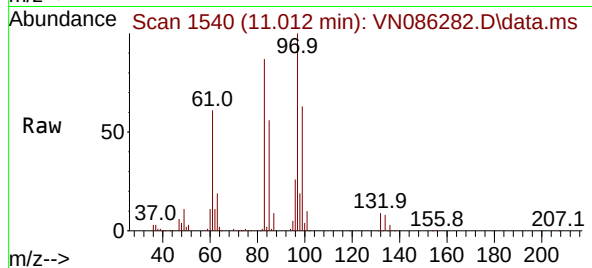
99 63.4 47.2 70.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#56

Ethyl methacrylate

Concen: 95.461 ug/l

RT: 10.870 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

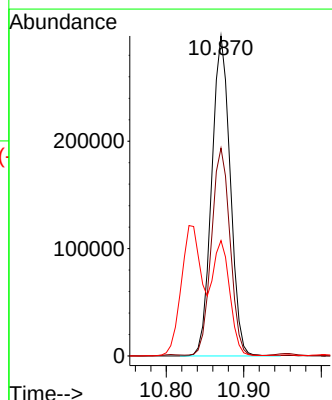
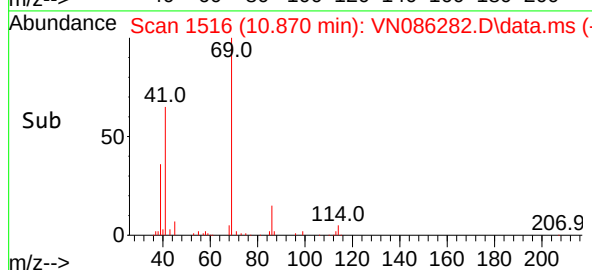
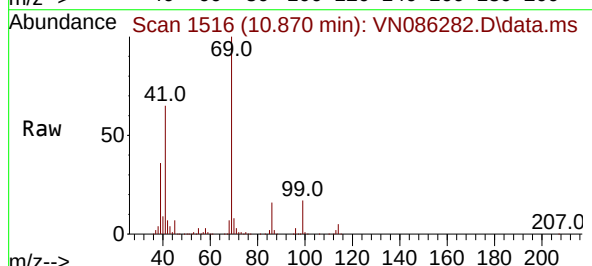
Tgt Ion: 69 Resp: 494791

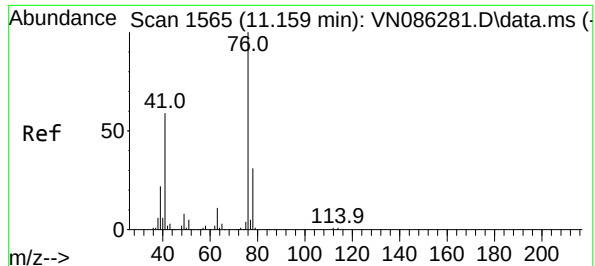
Ion Ratio Lower Upper

69 100

41 65.0 51.7 77.5

39 33.0 26.3 39.5





#57

1,3-Dichloropropane

Concen: 96.455 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 482562

Ion Ratio Lower Upper

76 100

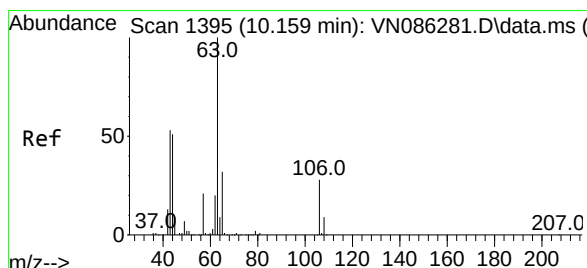
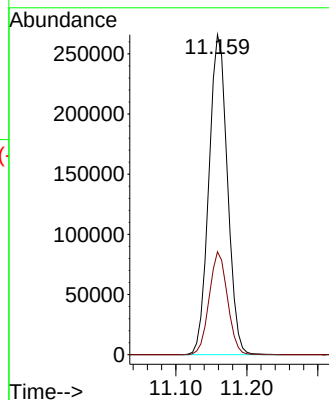
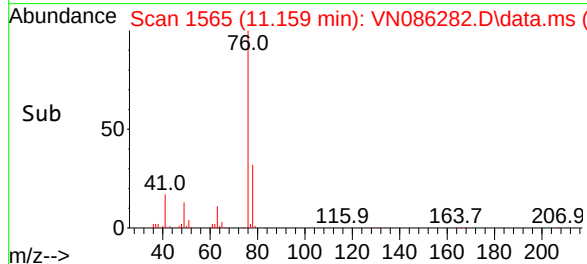
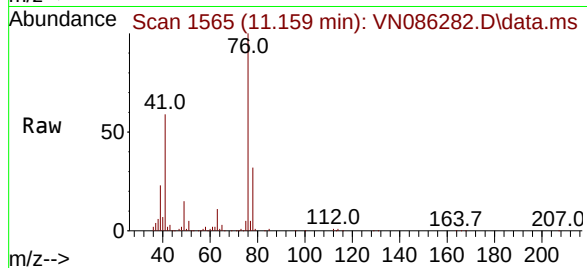
78 31.6 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#58

2-Chloroethyl Vinyl ether

Concen: 505.011 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN086282.D

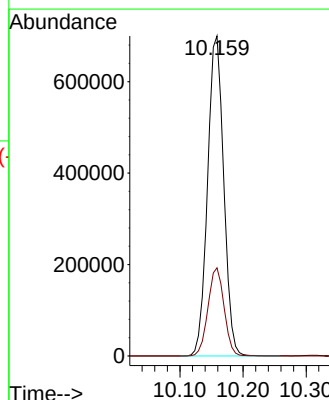
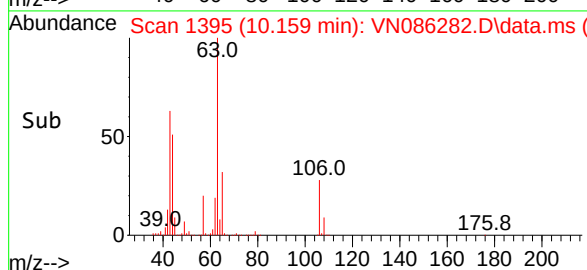
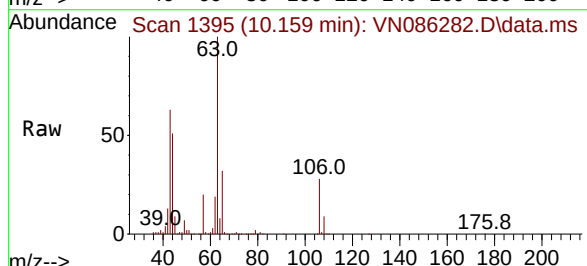
Acq: 15 Apr 2025 14:29

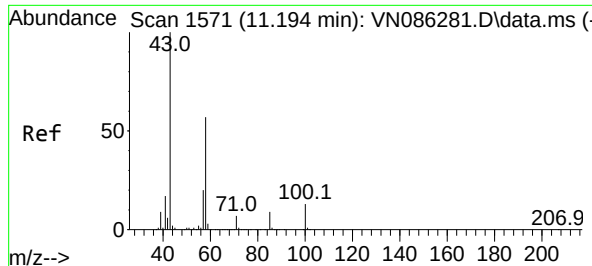
Tgt Ion: 63 Resp: 1242387

Ion Ratio Lower Upper

63 100

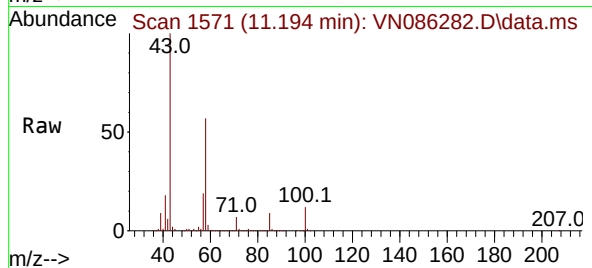
106 27.4 22.2 33.2





#59
2-Hexanone
Concen: 470.996 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

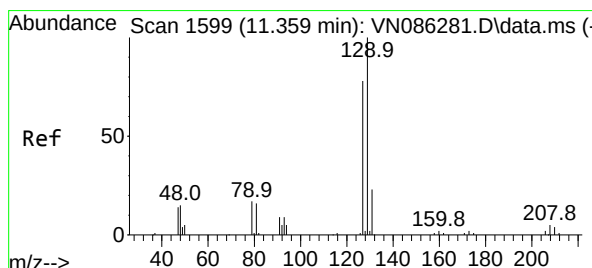
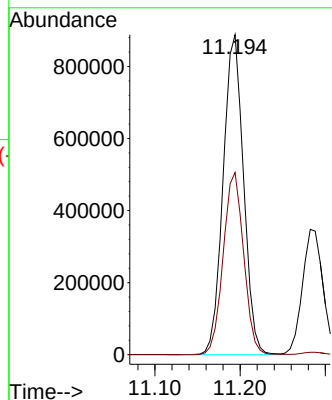
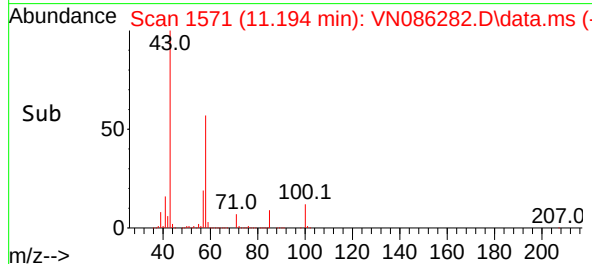
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 1476474
Ion Ratio Lower Upper
43 100
58 57.0 28.3 85.0

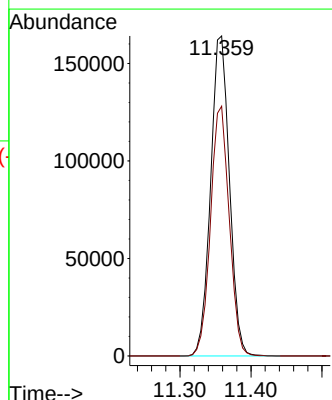
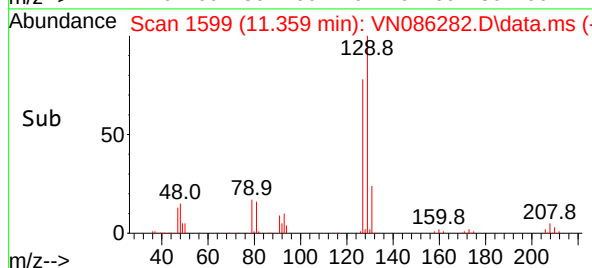
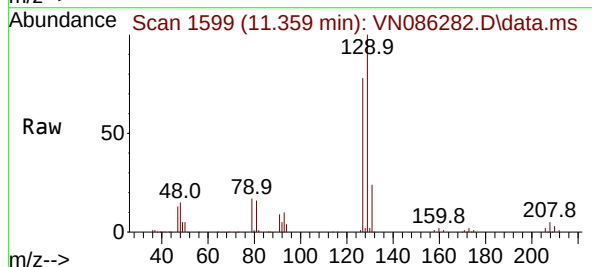
Manual Integrations
APPROVED

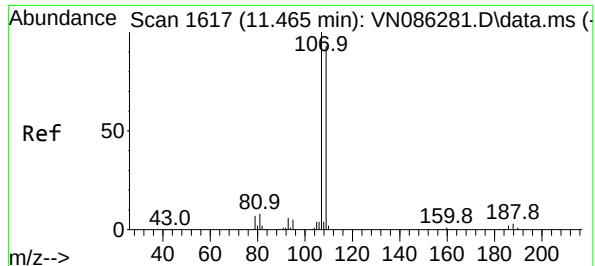
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#60
Dibromochloromethane
Concen: 97.371 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

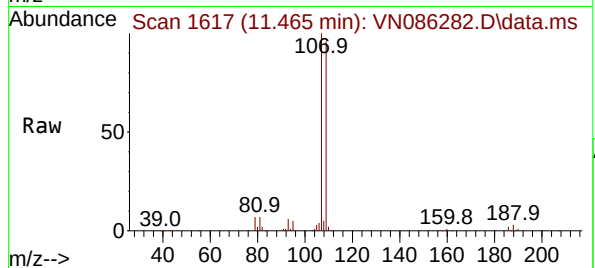
Tgt Ion:129 Resp: 301498
Ion Ratio Lower Upper
129 100
127 77.6 38.7 116.1





#61
1,2-Dibromoethane
Concen: 96.156 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

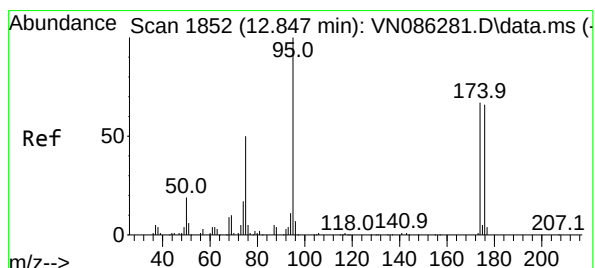
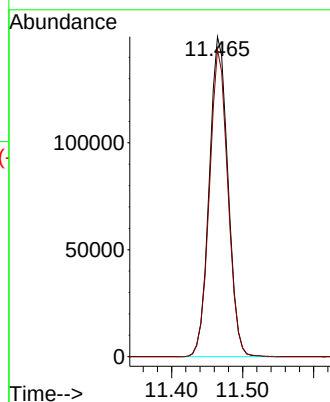
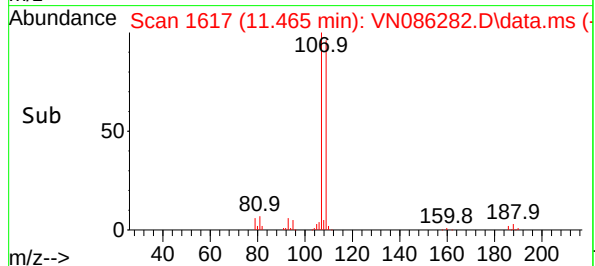
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



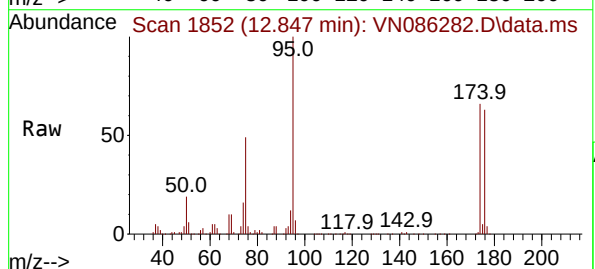
Tgt Ion: 107 Resp: 27358
Ion Ratio Lower Upper
107 100
109 94.7 75.4 113.0

Manual Integrations
APPROVED

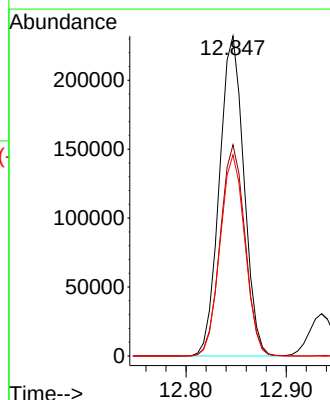
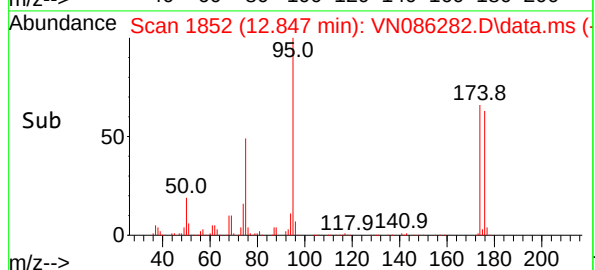
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

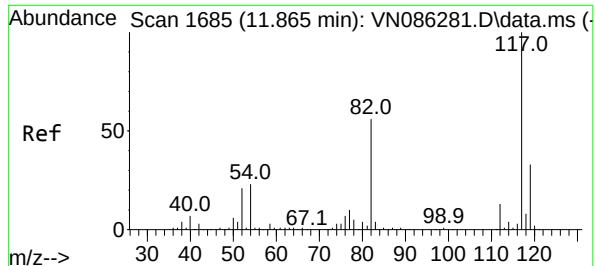


#62
4-Bromofluorobenzene
Concen: 103.153 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29



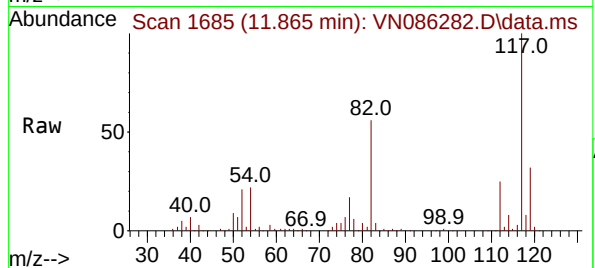
Tgt Ion: 95 Resp: 394671
Ion Ratio Lower Upper
95 100
174 66.4 0.0 133.4
176 63.6 0.0 129.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

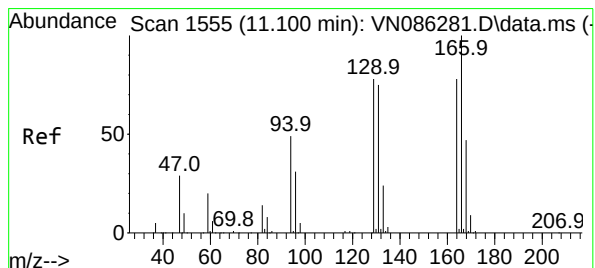
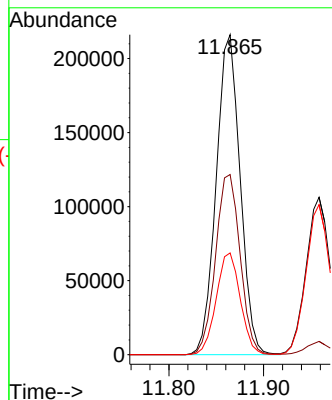
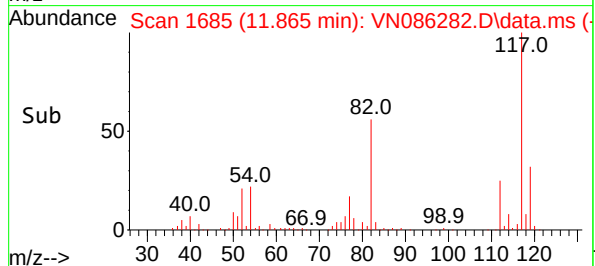
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:117 Resp: 380274
Ion Ratio Lower Upper
117 100
82 56.3 44.7 67.1
119 31.8 26.4 39.6

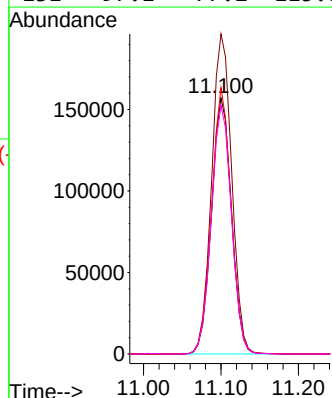
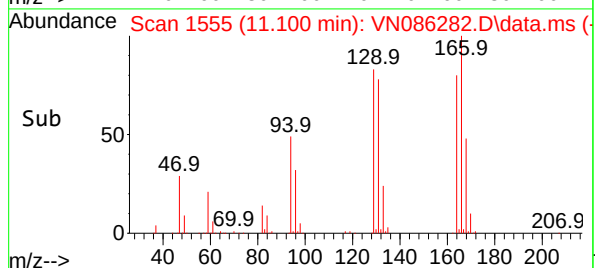
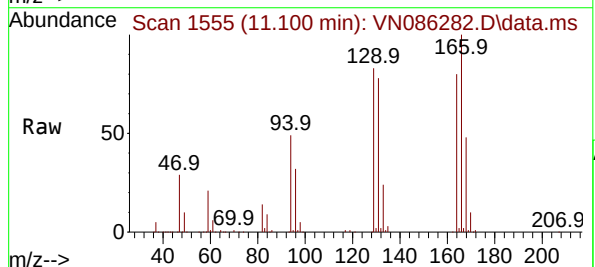
Manual Integrations
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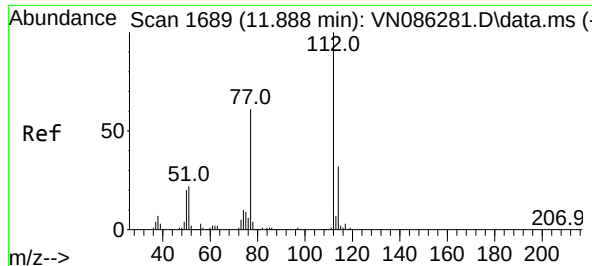
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#64
Tetrachloroethene
Concen: 96.294 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

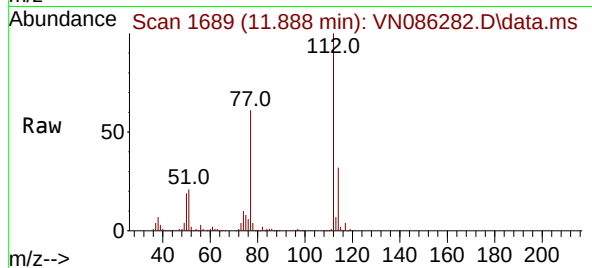
Tgt Ion:164 Resp: 281669
Ion Ratio Lower Upper
164 100
166 125.1 103.0 154.4
129 104.1 80.1 120.1
131 97.1 77.2 115.8





#65
Chlorobenzene
Concen: 94.881 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

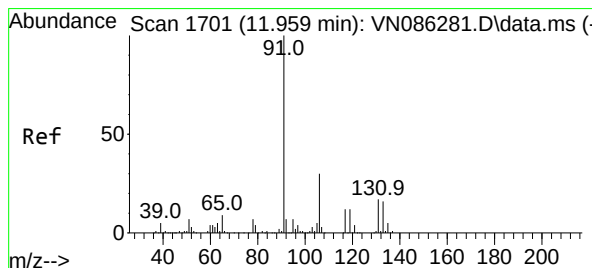
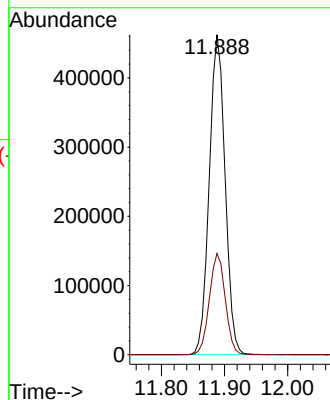
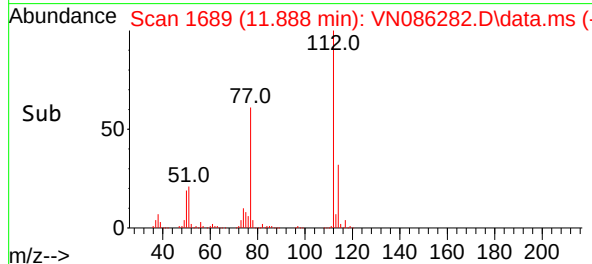
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:112 Resp: 805194
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.0

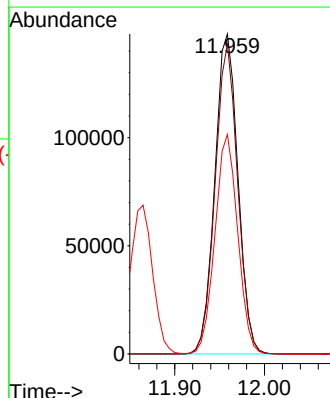
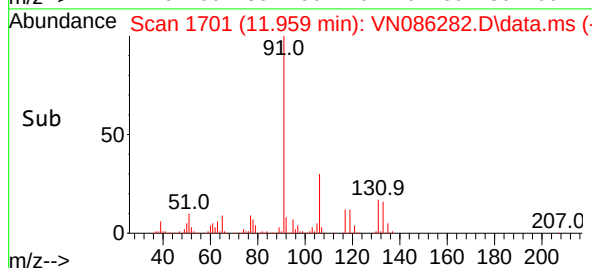
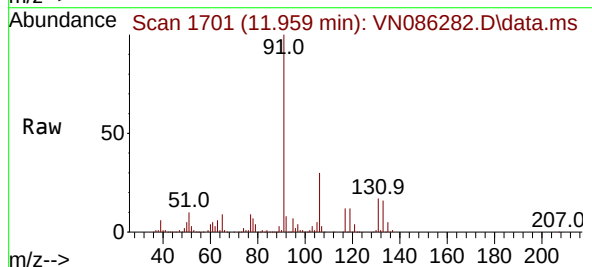
Manual Integrations
APPROVED

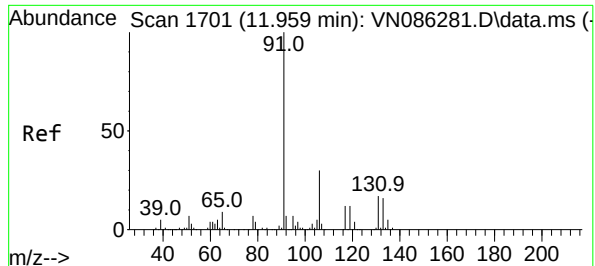
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 94.488 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

Tgt Ion:131 Resp: 264532
Ion Ratio Lower Upper
131 100
133 94.6 47.1 141.3
119 67.6 33.8 101.4





#67

Ethyl Benzene

Concen: 96.398 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 1476238

Ion Ratio Lower Upper

91 100

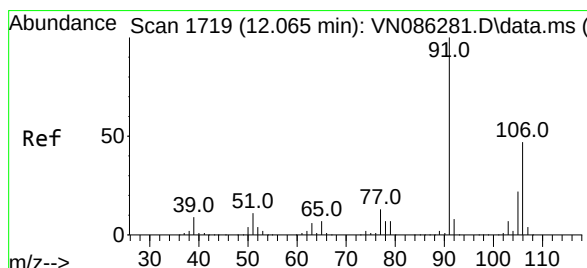
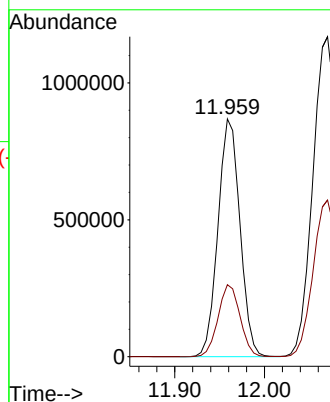
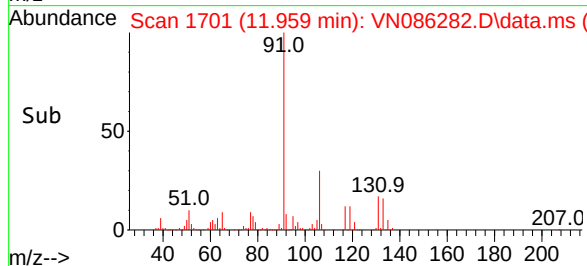
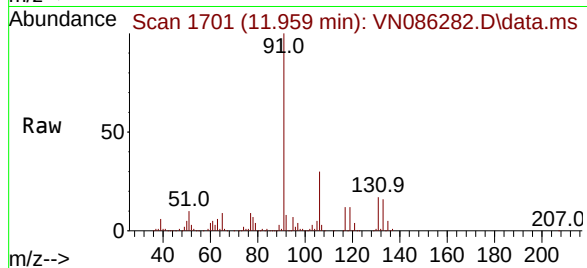
106 30.3 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#68

m/p-Xylenes

Concen: 194.681 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. 0.006 min

Lab File: VN086282.D

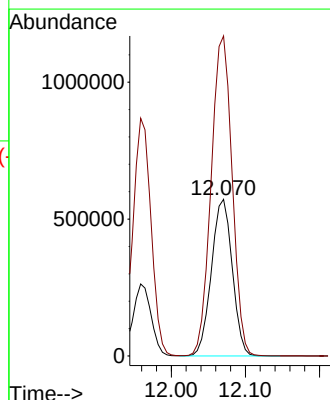
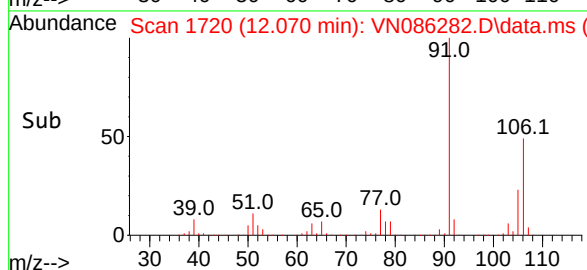
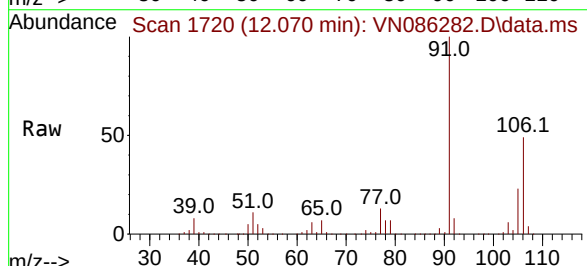
Acq: 15 Apr 2025 14:29

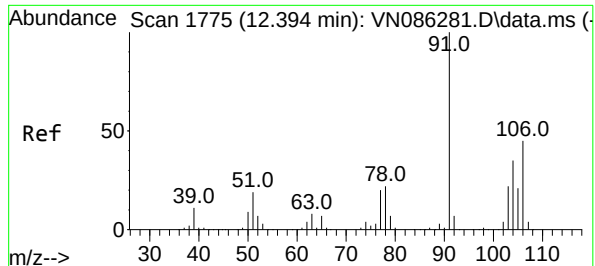
Tgt Ion:106 Resp: 1117098

Ion Ratio Lower Upper

106 100

91 205.7 166.5 249.7





#69

o-Xylene

Concen: 96.221 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:106 Resp: 546019

Ion Ratio Lower Upper

106 100

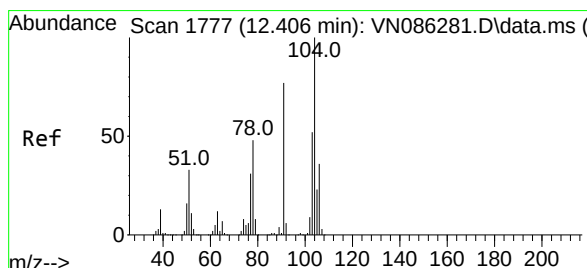
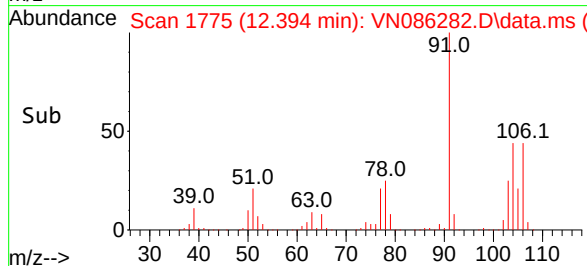
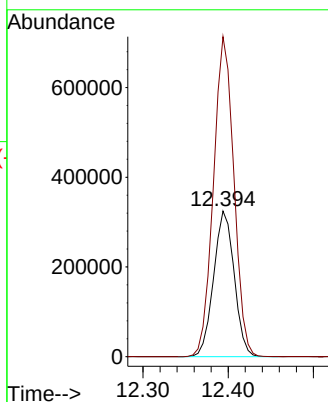
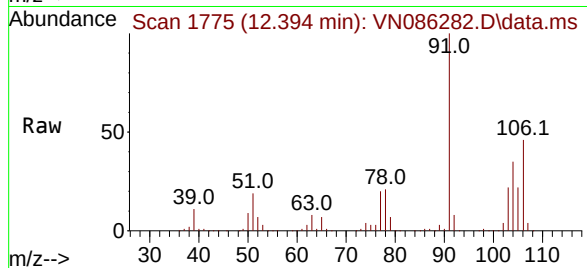
91 218.3 109.7 329.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#70

Styrene

Concen: 100.188 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

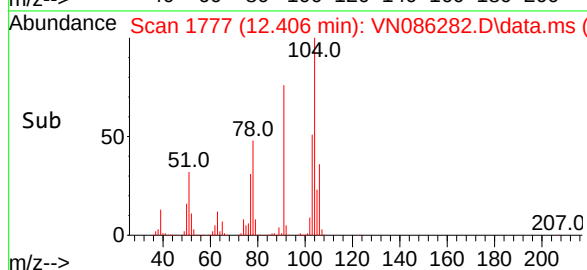
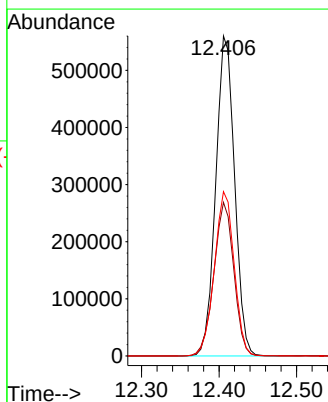
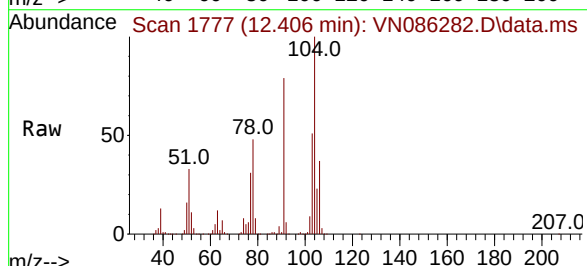
Tgt Ion:104 Resp: 947293

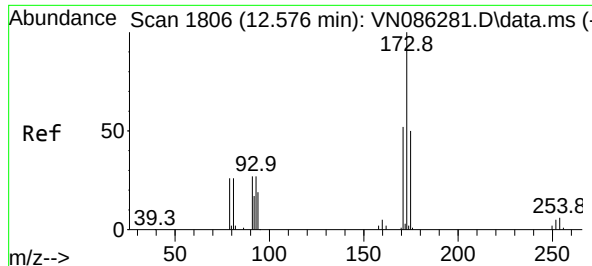
Ion Ratio Lower Upper

104 100

78 50.7 40.6 61.0

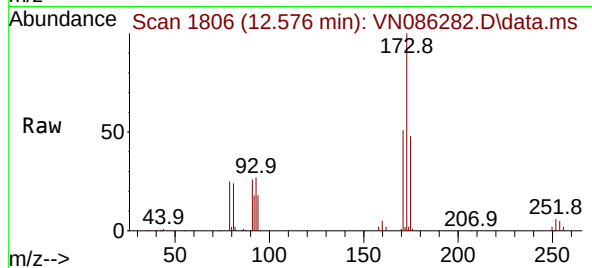
103 54.0 43.6 65.4





#71
Bromoform
Concen: 95.410 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

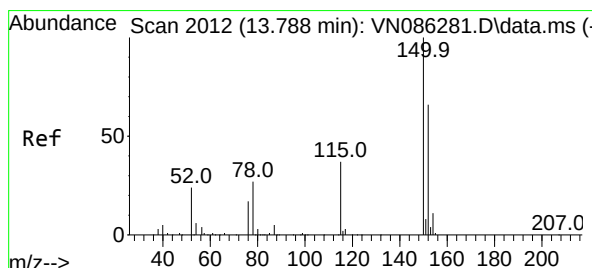
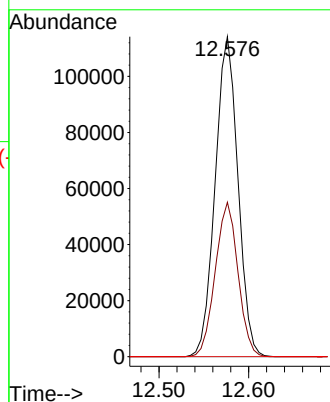
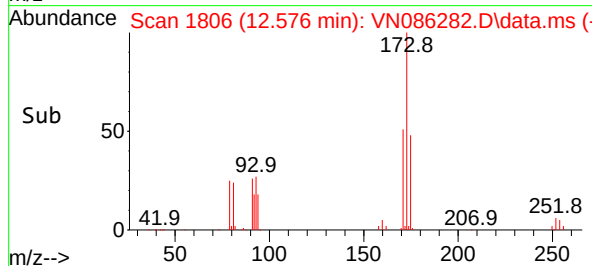
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:173 Resp: 201110
Ion Ratio Lower Upper
173 100
175 48.1 24.6 73.6
254 0.0 0.0 0.0

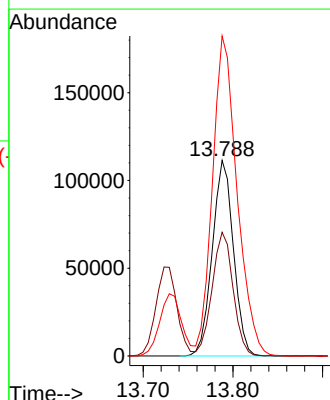
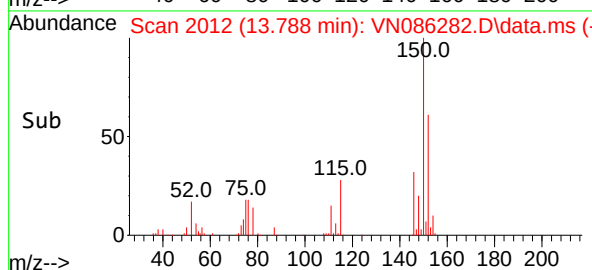
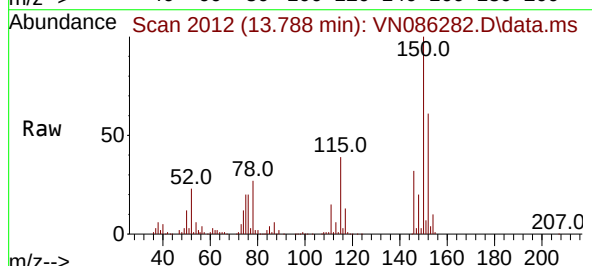
Manual Integrations
APPROVED

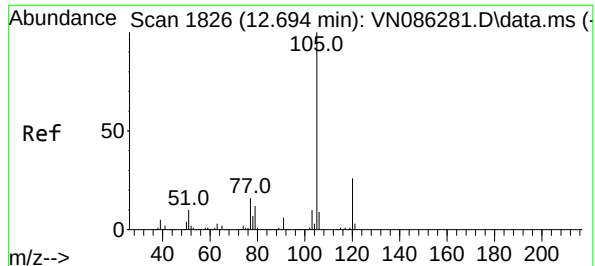
Reviewed By :John Carbone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

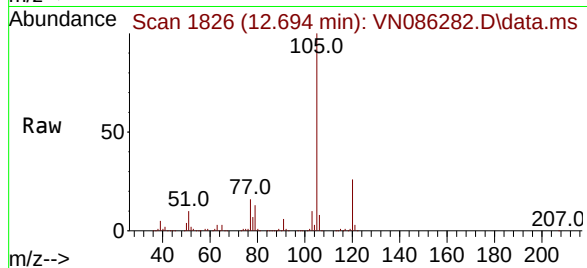
Tgt Ion:152 Resp: 182297
Ion Ratio Lower Upper
152 100
115 62.7 31.9 95.9
150 189.5 0.0 352.0





#73
Isopropylbenzene
Concen: 90.597 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

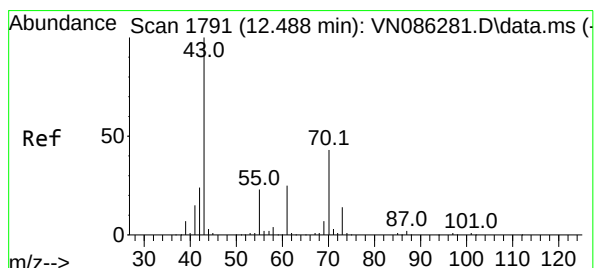
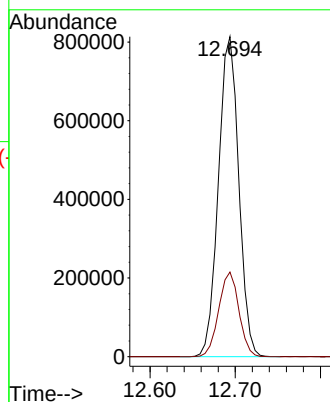
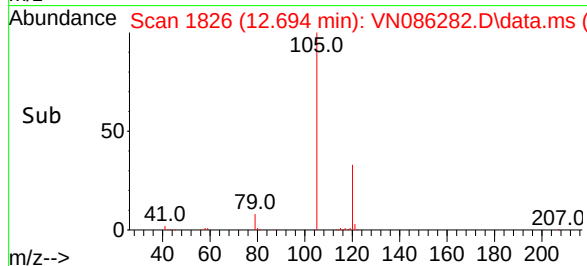
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion:105 Resp: 1351009
Ion Ratio Lower Upper
105 100
120 26.2 13.1 39.3

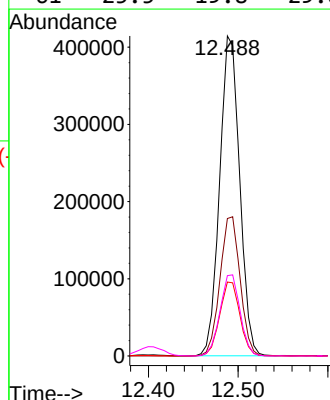
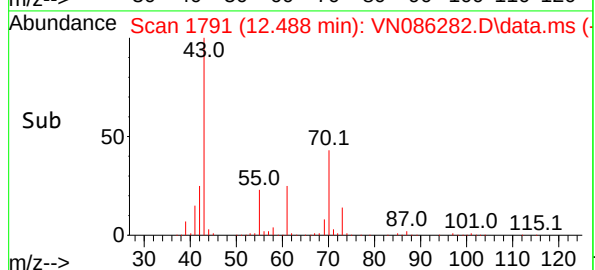
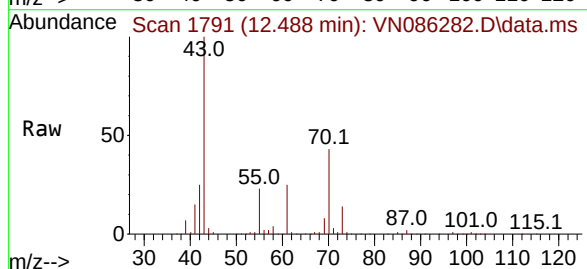
Manual Integrations
APPROVED

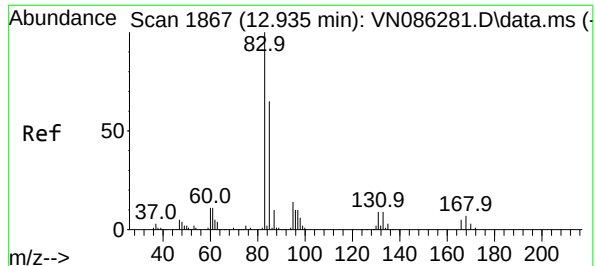
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#74
N-ethyl acetate
Concen: 86.431 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

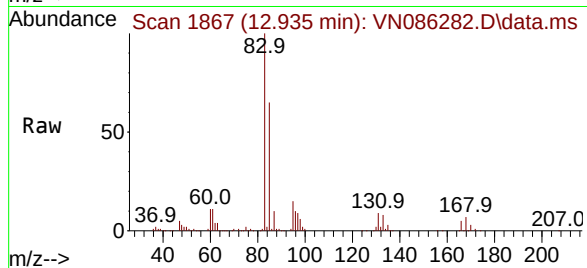
Tgt Ion: 43 Resp: 641647
Ion Ratio Lower Upper
43 100
70 43.9 35.0 52.4
55 23.4 19.0 28.4
61 25.5 19.8 29.8





#75
1,1,2,2-Tetrachloroethane
Concen: 83.793 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

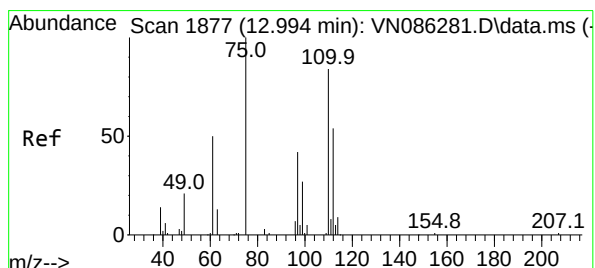
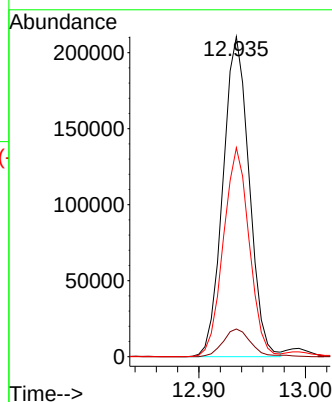
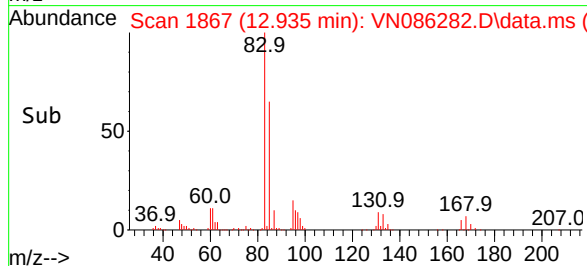
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 83 Resp: 359278
Ion Ratio Lower Upper
83 100
131 9.3 4.7 14.1
85 64.5 32.7 98.1

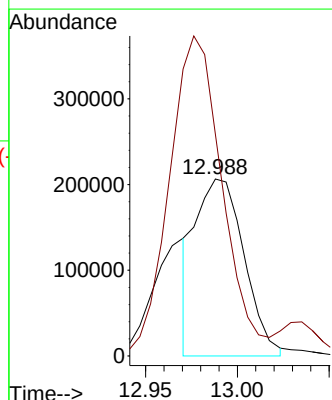
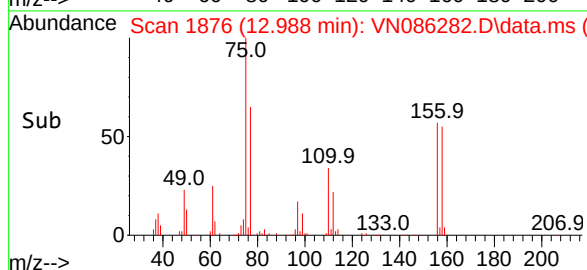
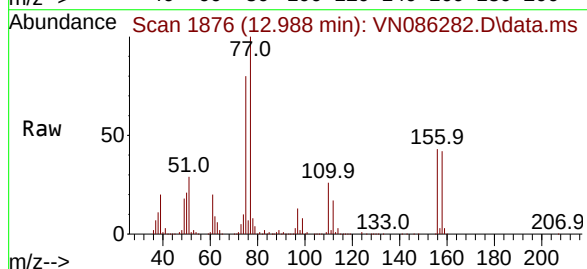
Manual Integrations
APPROVED

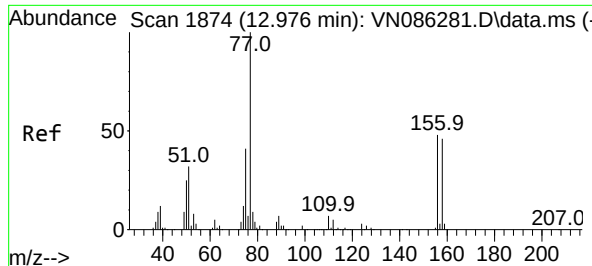
Reviewed By :John Carbone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#76
1,2,3-Trichloropropane
Concen: 88.555 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

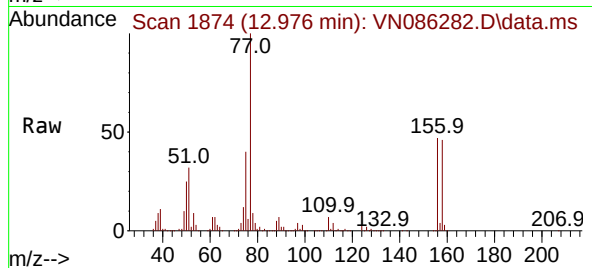
Tgt Ion: 75 Resp: 379247
Ion Ratio Lower Upper
75 100
77 198.0 98.8 296.4





#77
Bromobenzene
Concen: 91.913 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

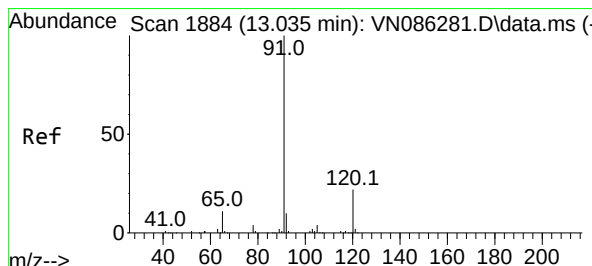
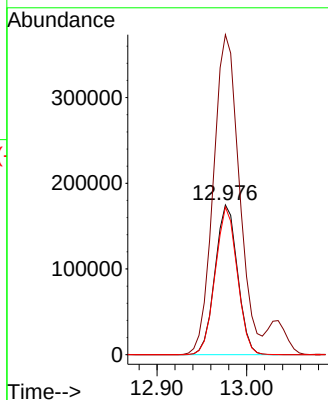
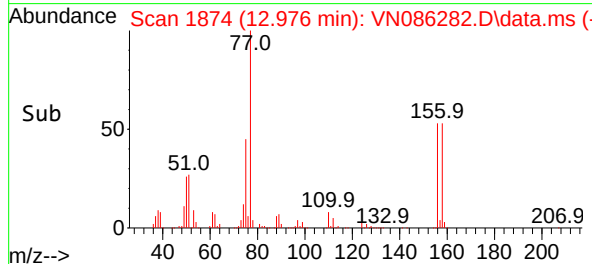
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:156 Resp: 303690
Ion Ratio Lower Upper
156 100
77 247.3 121.1 363.1
158 96.6 47.9 143.6

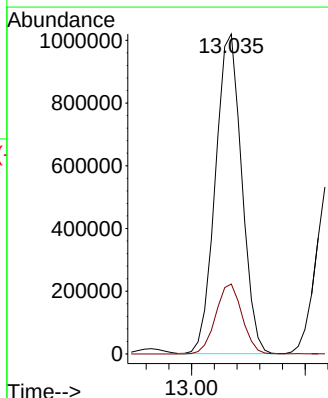
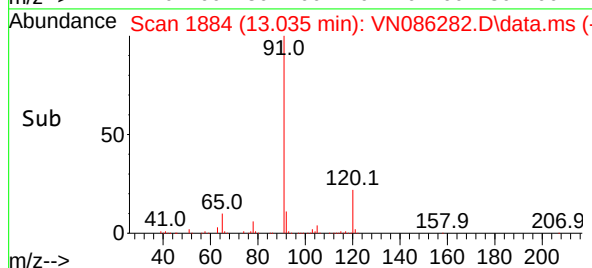
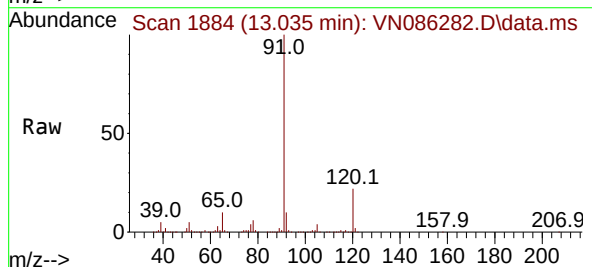
Manual Integrations
APPROVED

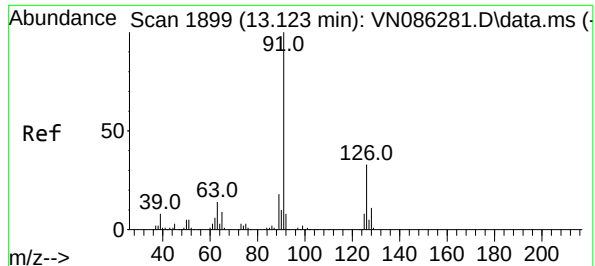
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#78
n-propylbenzene
Concen: 93.386 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

Tgt Ion: 91 Resp: 1640989
Ion Ratio Lower Upper
91 100
120 21.9 11.1 33.3





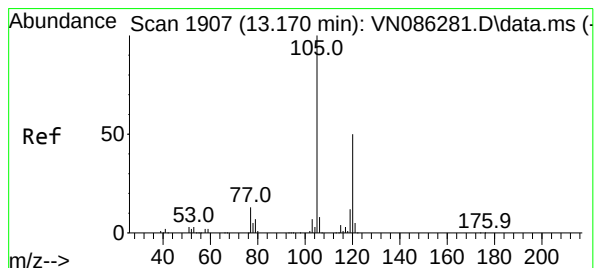
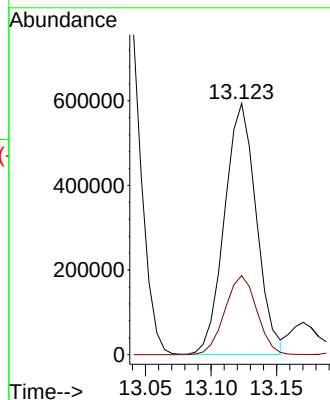
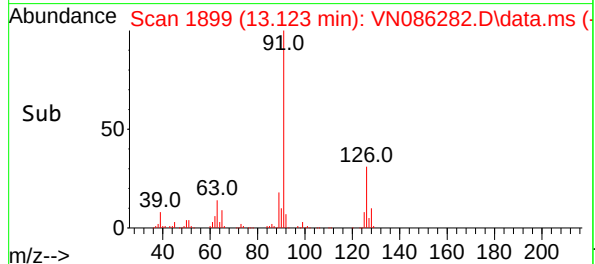
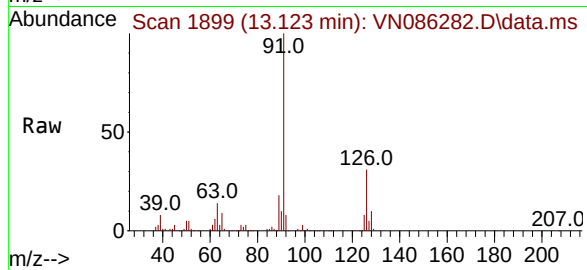
#79
2-Chlorotoluene
Concen: 91.031 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 100094
Ion Ratio Lower Upper
91 100
126 31.7 16.1 48.2

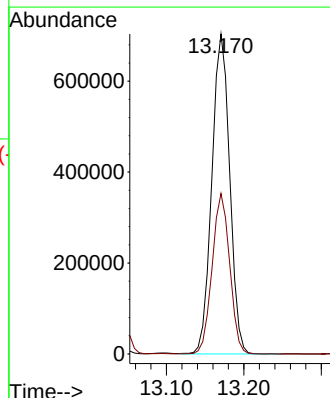
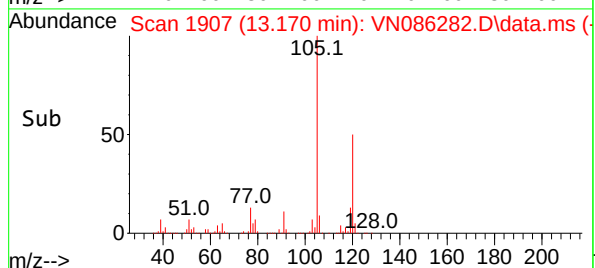
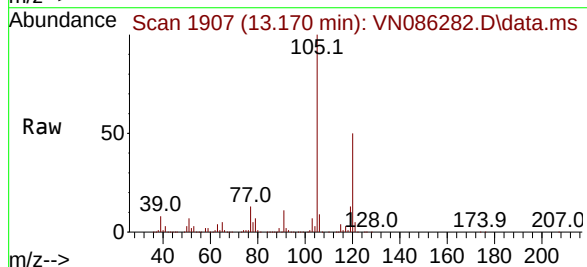
Manual Integrations
APPROVED

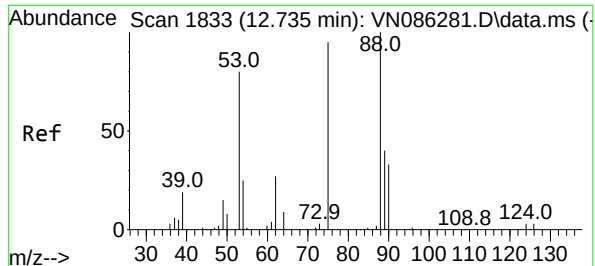
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#80
1,3,5-Trimethylbenzene
Concen: 92.254 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

Tgt Ion:105 Resp: 1125981
Ion Ratio Lower Upper
105 100
120 49.3 24.5 73.5





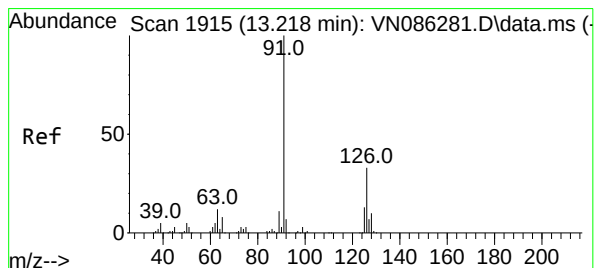
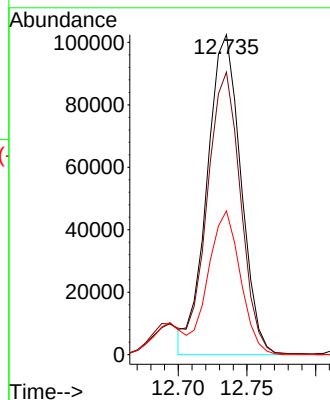
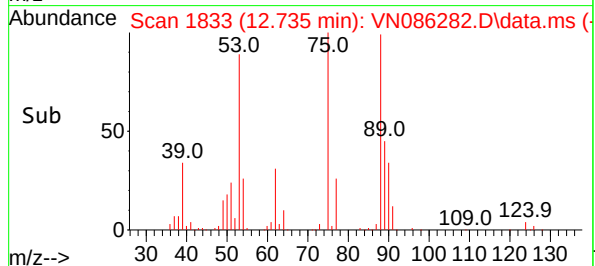
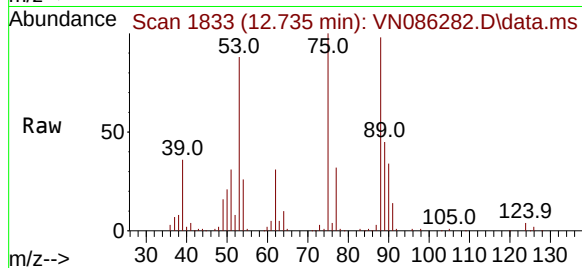
#81
trans-1,4-Dichloro-2-butene
Concen: 98.197 ug/l m
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 17588
Ion Ratio Lower Upper
75 100
53 96.2 79.2 118.8
89 42.8 35.7 53.5

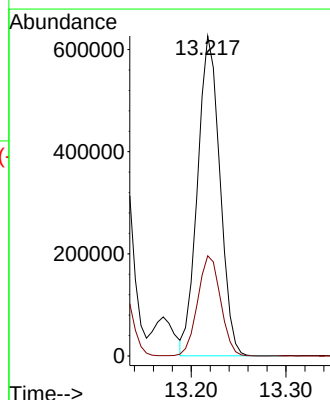
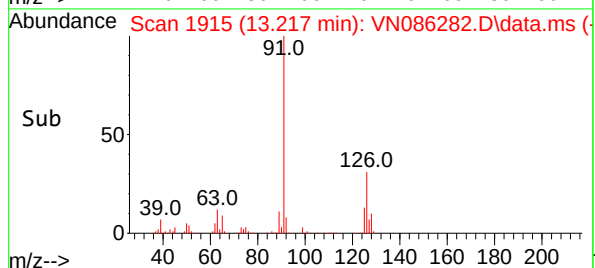
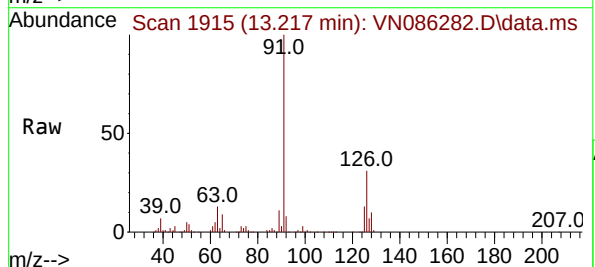
Manual Integrations
APPROVED

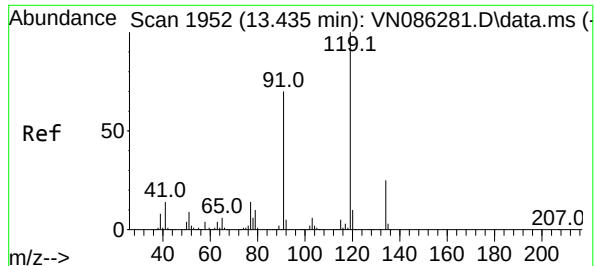
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#82
4-Chlorotoluene
Concen: 93.852 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

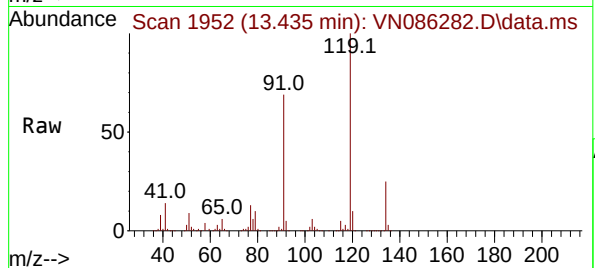
Tgt Ion: 91 Resp: 1025113
Ion Ratio Lower Upper
91 100
126 32.1 16.2 48.6





#83
tert-Butylbenzene
Concen: 92.219 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

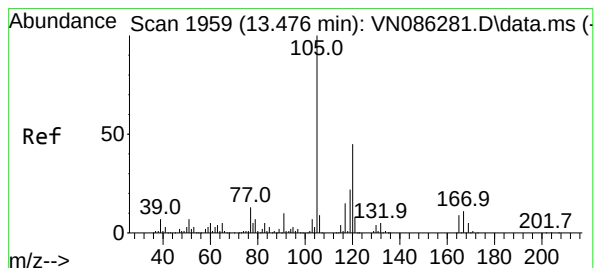
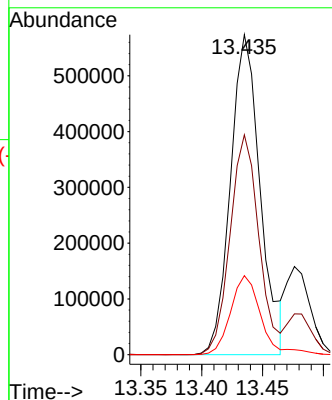
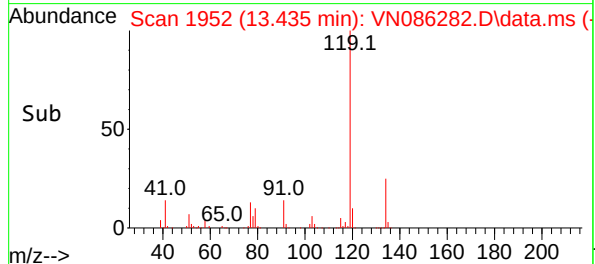
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:119 Resp: 975268
Ion Ratio Lower Upper
119 100
91 66.8 34.4 103.3
134 25.1 13.0 39.0

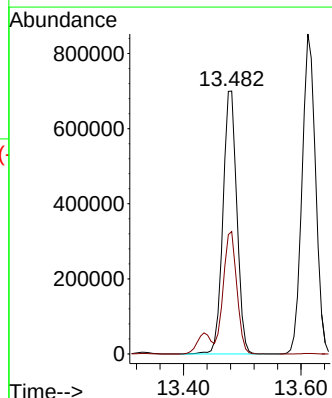
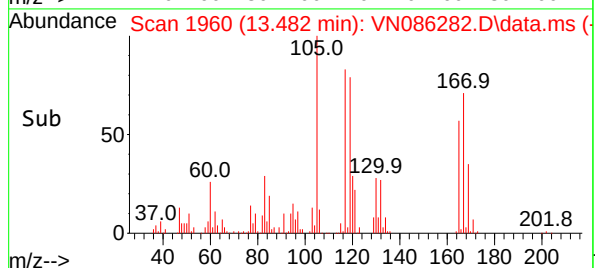
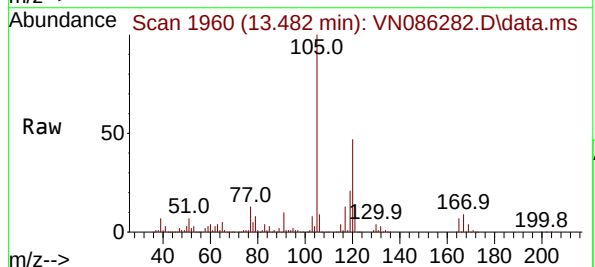
Manual Integrations
APPROVED

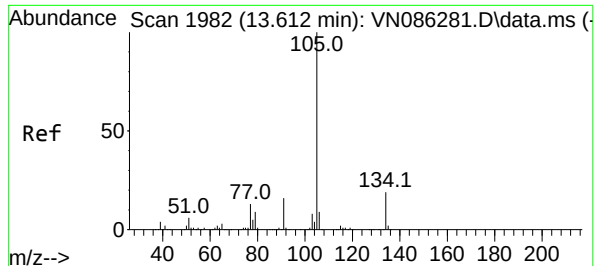
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#84
1,2,4-Trimethylbenzene
Concen: 92.628 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

Tgt Ion:105 Resp: 1150791
Ion Ratio Lower Upper
105 100
120 45.2 22.4 67.3





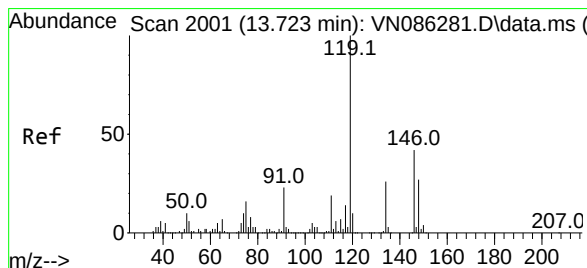
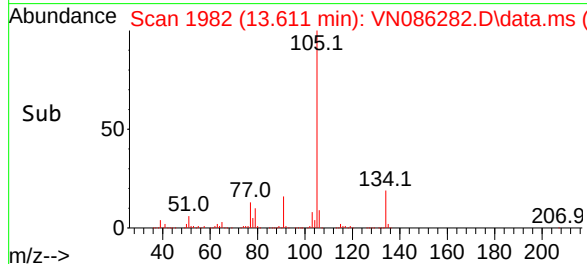
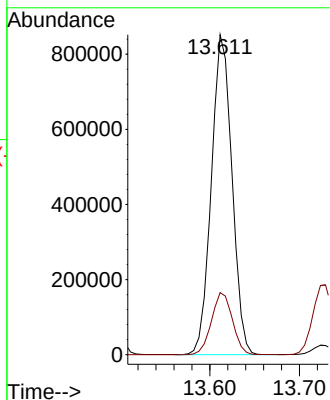
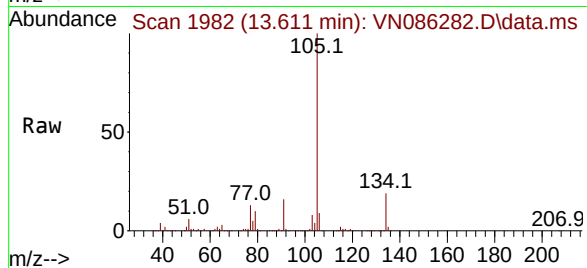
#85
sec-Butylbenzene
Concen: 92.684 ug/l
RT: 13.611 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 135958
Ion Ratio Lower Upper
105 100
134 19.7 9.7 29.1

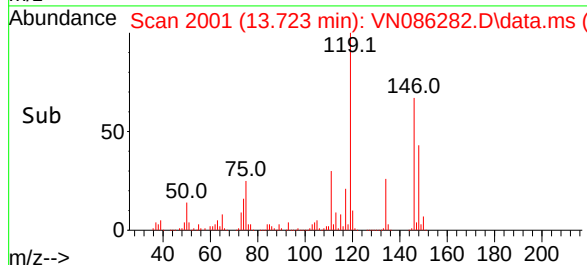
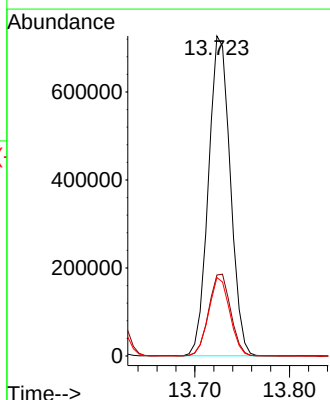
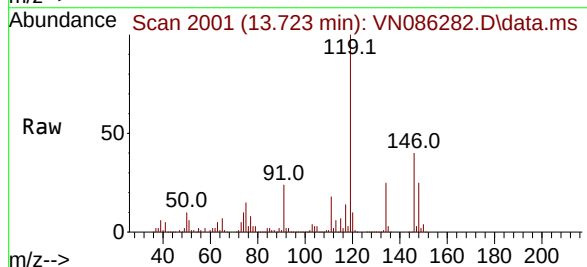
Manual Integrations
APPROVED

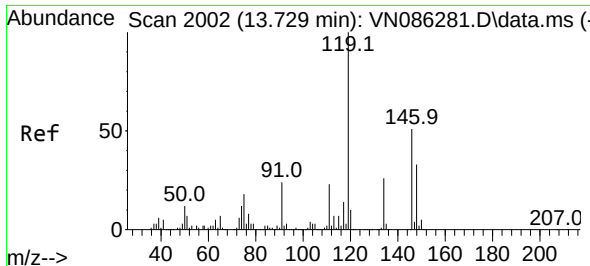
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#86
p-Isopropyltoluene
Concen: 96.040 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

Tgt Ion:119 Resp: 1161224
Ion Ratio Lower Upper
119 100
134 25.8 13.1 39.1
91 23.8 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 94.402 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:146 Resp: 586360

Ion Ratio Lower Upper

146 100

111 43.5 21.9 65.7

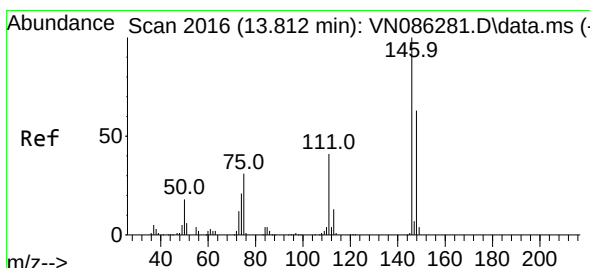
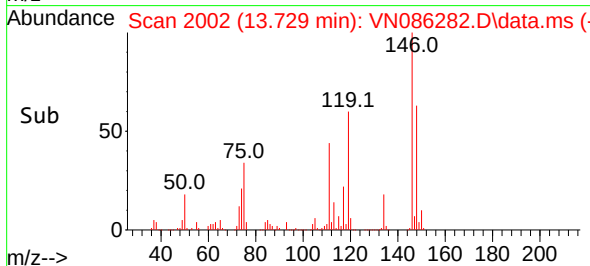
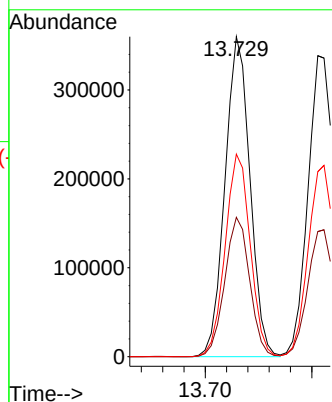
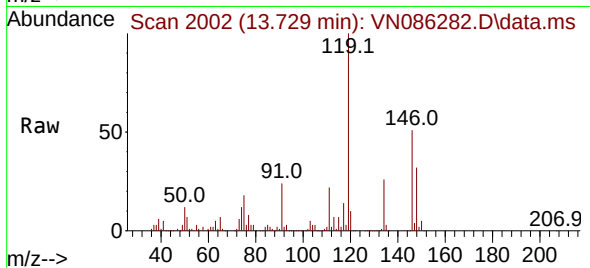
148 63.6 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#88

1,4-Dichlorobenzene

Concen: 93.077 ug/l

RT: 13.806 min Scan# 2015

Delta R.T. -0.006 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

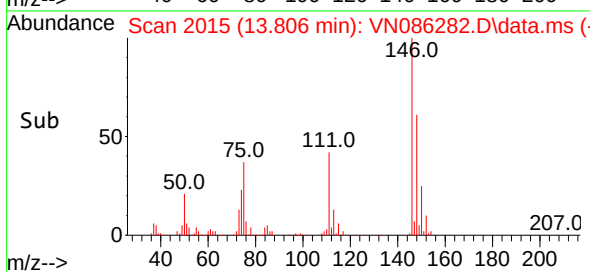
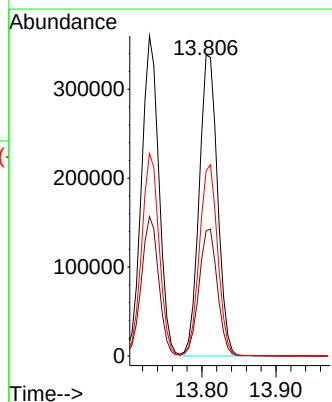
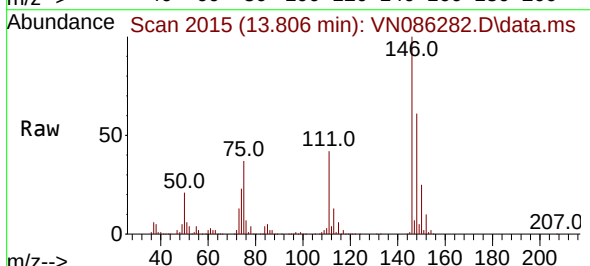
Tgt Ion:146 Resp: 582329

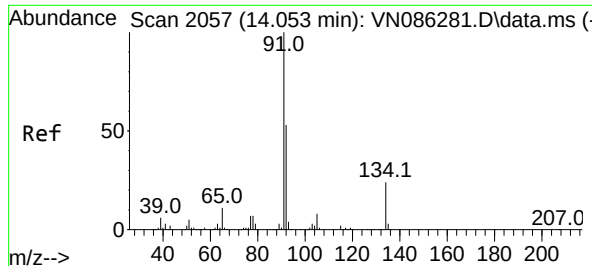
Ion Ratio Lower Upper

146 100

111 42.5 21.3 63.9

148 63.5 31.9 95.9





#89

n-Butylbenzene

Concen: 99.009 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 1061099

Ion Ratio Lower Upper

91 100

92 53.9 26.8 80.4

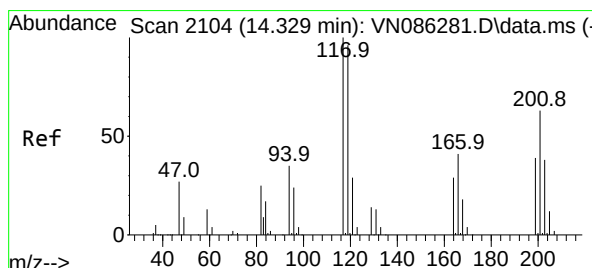
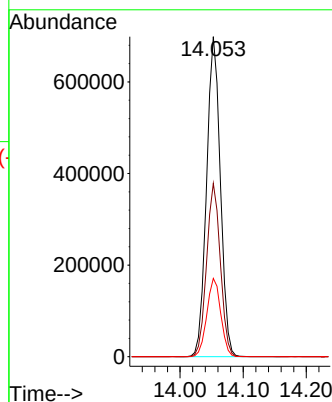
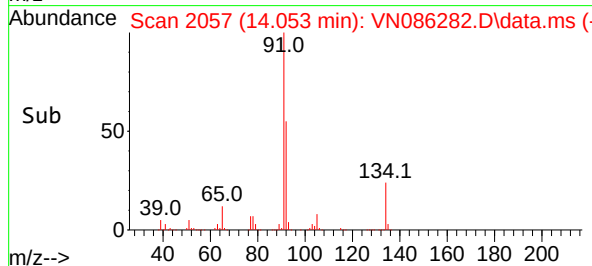
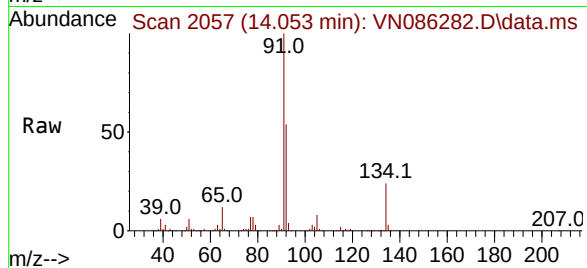
134 24.7 12.2 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#90

Hexachloroethane

Concen: 96.516 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. -0.000 min

Lab File: VN086282.D

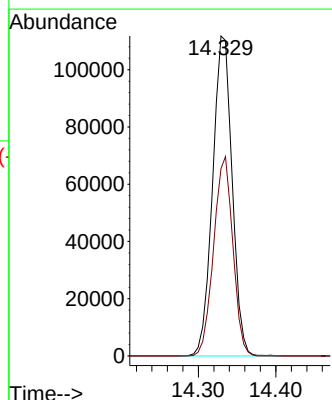
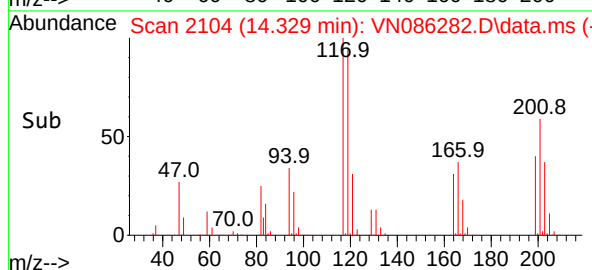
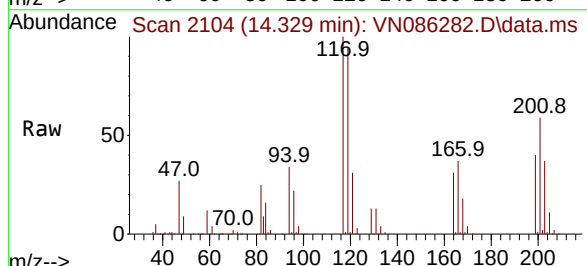
Acq: 15 Apr 2025 14:29

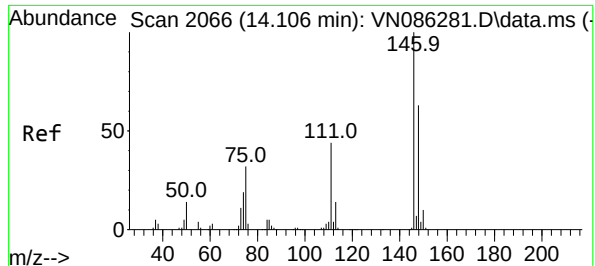
Tgt Ion:117 Resp: 196292

Ion Ratio Lower Upper

117 100

201 61.2 31.4 94.2





#91

1,2-Dichlorobenzene

Concen: 90.920 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:146 Resp: 54752

Ion Ratio Lower Upper

146 100

111 44.6 22.4 67.0

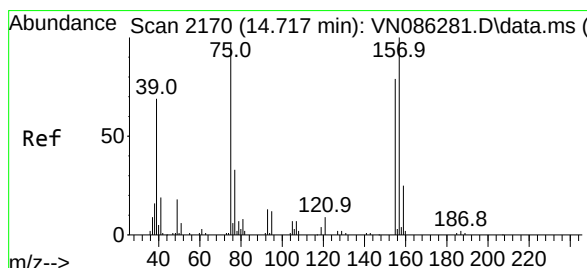
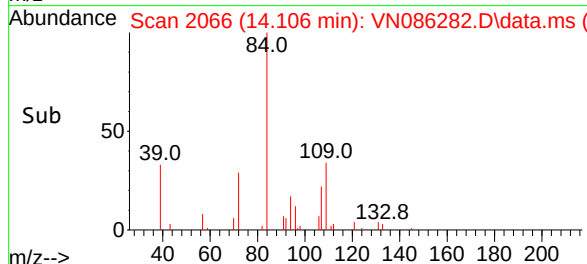
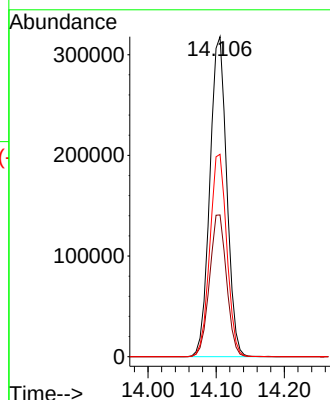
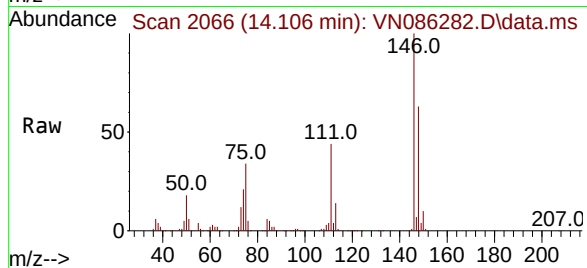
148 63.6 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 89.984 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. -0.000 min

Lab File: VN086282.D

Acq: 15 Apr 2025 14:29

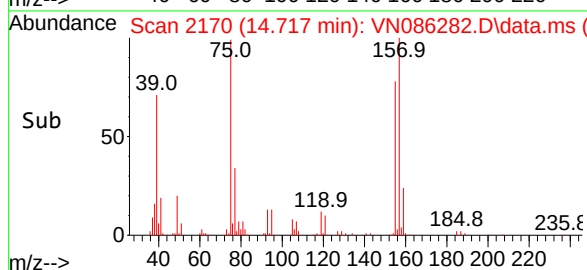
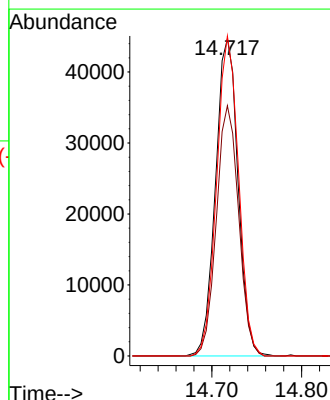
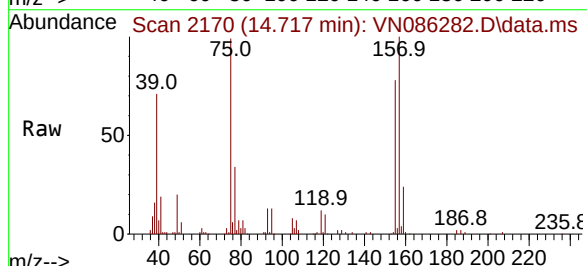
Tgt Ion: 75 Resp: 77795

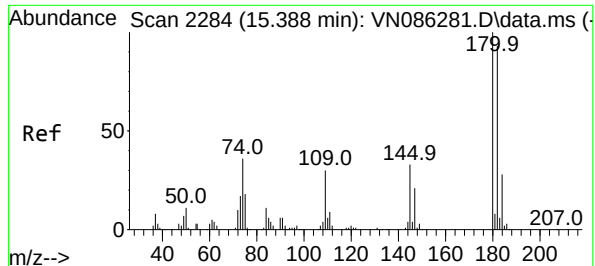
Ion Ratio Lower Upper

75 100

155 77.9 40.3 120.9

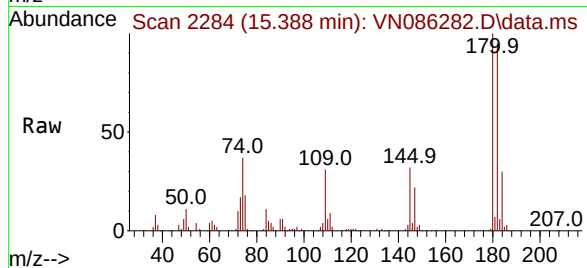
157 98.1 49.0 147.2





#93
1,2,4-Trichlorobenzene
Concen: 97.461 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

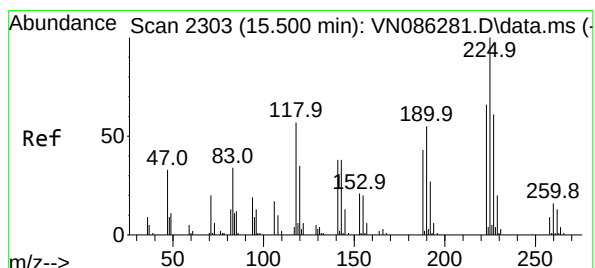
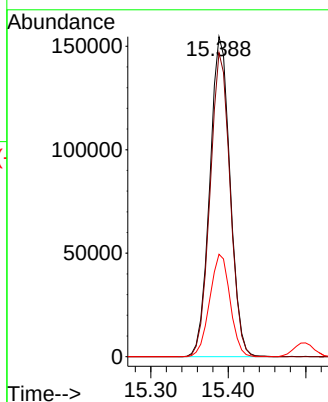
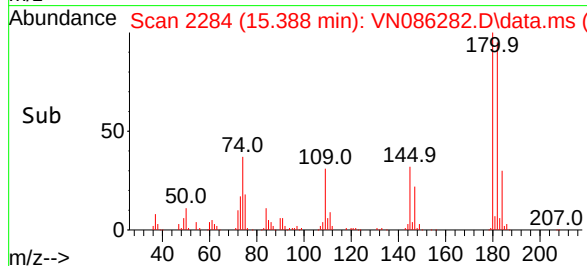
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:180 Resp: 281040
Ion Ratio Lower Upper
180 100
182 93.8 47.0 141.0
145 32.1 16.4 49.1

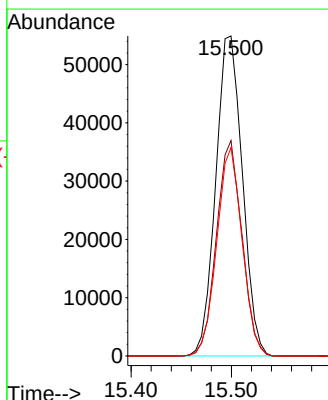
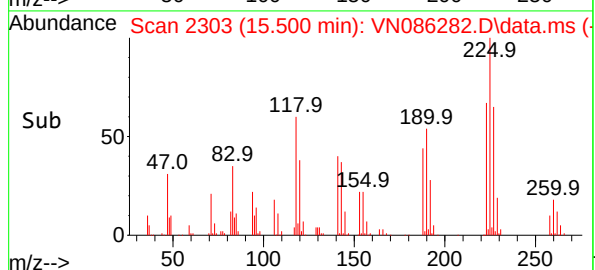
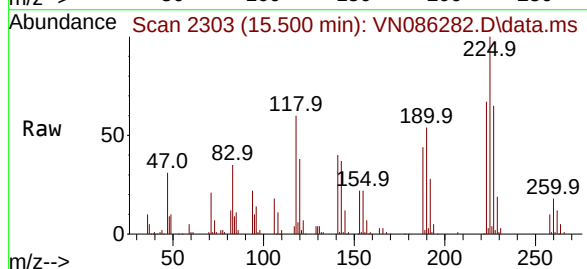
Manual Integrations
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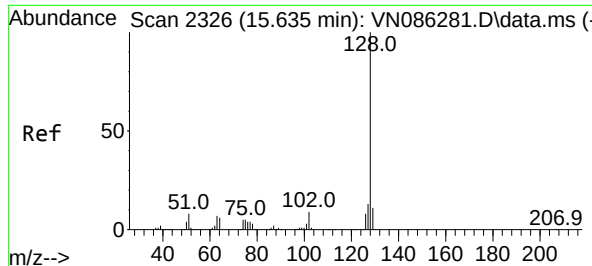
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#94
Hexachlorobutadiene
Concen: 93.251 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

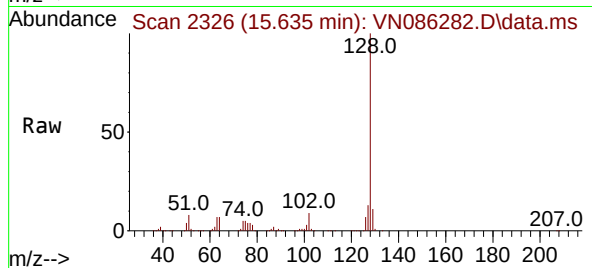
Tgt Ion:225 Resp: 101506
Ion Ratio Lower Upper
225 100
223 64.2 32.8 98.3
227 62.0 31.4 94.0





#95
Naphthalene
Concen: 95.390 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

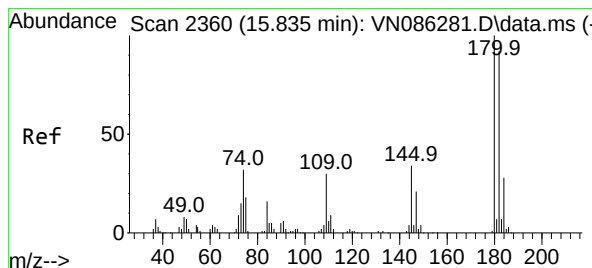
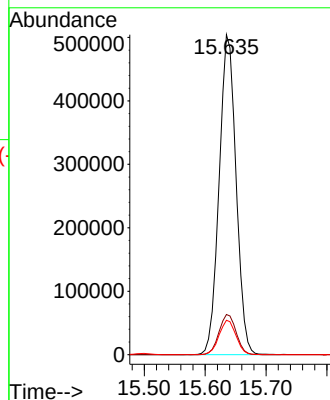
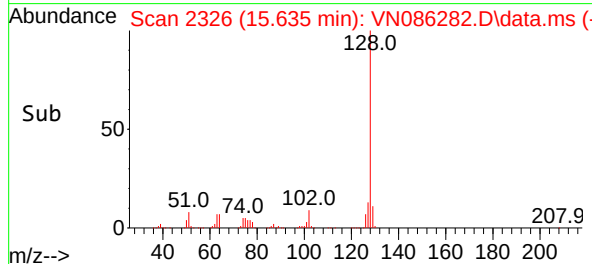
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:128 Resp: 975079
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.8 8.6 13.0

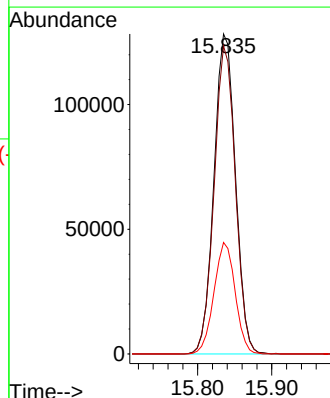
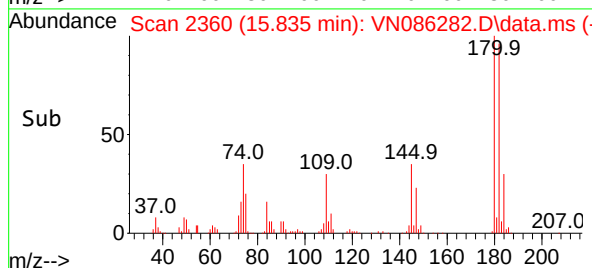
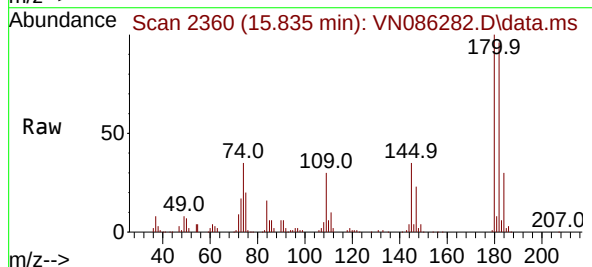
Manual Integrations
APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 94.712 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086282.D
Acq: 15 Apr 2025 14:29

Tgt Ion:180 Resp: 258567
Ion Ratio Lower Upper
180 100
182 95.2 47.3 142.0
145 34.4 17.2 51.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086284.D
 Acq On : 15 Apr 2025 15:30
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041525

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 04:30:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	232806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	435528	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	384601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	173902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	169181	50.114	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.220%			
35) Dibromofluoromethane	8.165	113	96752	47.865	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.740%			
50) Toluene-d8	10.565	98	542858	50.251	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.500%			
62) 4-Bromofluorobenzene	12.847	95	196820	49.950	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.900%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	138594	50.220	ug/l	100
3) Chloromethane	2.359	50	185786	46.321	ug/l	99
4) Vinyl Chloride	2.518	62	183873	48.040	ug/l	98
5) Bromomethane	2.953	94	88943	51.662	ug/l	98
6) Chloroethane	3.118	64	119261	46.557	ug/l	99
7) Trichlorofluoromethane	3.500	101	203630	48.030	ug/l	96
8) Diethyl Ether	3.959	74	88034	47.564	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	124024	48.357	ug/l	99
10) Methyl Iodide	4.589	142	148899	52.806	ug/l	98
11) Tert butyl alcohol	5.512	59	143880	233.586	ug/l	99
12) 1,1-Dichloroethene	4.336	96	129546	47.278	ug/l	98
13) Acrolein	4.177	56	72276	251.743	ug/l	99
14) Allyl chloride	5.024	41	220559	45.280	ug/l	99
15) Acrylonitrile	5.712	53	372009	244.312	ug/l	99
16) Acetone	4.424	43	297097	254.646	ug/l	100
17) Carbon Disulfide	4.712	76	360863	43.983	ug/l	99
18) Methyl Acetate	5.018	43	184731	45.586	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	474584	47.117	ug/l	99
20) Methylene Chloride	5.271	84	145872	46.740	ug/l	100
21) trans-1,2-Dichloroethene	5.788	96	134526	46.960	ug/l	99
22) Diisopropyl ether	6.665	45	491946	46.426	ug/l	98
23) Vinyl Acetate	6.600	43	1738360	234.680	ug/l	100
24) 1,1-Dichloroethane	6.565	63	264324	47.277	ug/l	99
25) 2-Butanone	7.477	43	501652	238.732	ug/l	98
26) 2,2-Dichloropropane	7.488	77	233882	46.721	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	167485	47.105	ug/l	98
28) Bromochloromethane	7.812	49	113893	48.044	ug/l	100
29) Tetrahydrofuran	7.835	42	326414	232.296	ug/l	100
30) Chloroform	7.959	83	258393	47.047	ug/l	99
31) Cyclohexane	8.253	56	247077	45.162	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	222630	47.385	ug/l	97
36) 1,1-Dichloropropene	8.371	75	191295	47.382	ug/l	100
37) Ethyl Acetate	7.553	43	195455	45.984	ug/l	100
38) Carbon Tetrachloride	8.359	117	182531	47.475	ug/l	98
39) Methylcyclohexane	9.594	83	220275	45.902	ug/l	97
40) Benzene	8.600	78	610128	47.168	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086284.D
 Acq On : 15 Apr 2025 15:30
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041525

Manual Integrations
 APPROVED

Reviewed By :John Carlone 04/16/2025
 Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 04:30:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	113052	45.892	ug/l	98
42) 1,2-Dichloroethane	8.665	62	195922	47.496	ug/l	100
43) Isopropyl Acetate	8.682	43	370579	48.649	ug/l	100
44) Trichloroethene	9.347	130	145334	47.403	ug/l	99
45) 1,2-Dichloropropane	9.618	63	149775	47.302	ug/l	98
46) Dibromomethane	9.706	93	98395	48.772	ug/l	100
47) Bromodichloromethane	9.882	83	207763	47.682	ug/l	99
48) Methyl methacrylate	9.676	41	170007	45.546	ug/l	98
49) 1,4-Dioxane	9.688	88	59040	929.893	ug/l	99
51) 4-Methyl-2-Pentanone	10.441	43	1036849	238.220	ug/l	99
52) Toluene	10.629	92	383010	47.453	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	235221	48.360	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	250676	46.923	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	136227	46.911	ug/l	97
56) Ethyl methacrylate	10.871	69	253092	47.414	ug/l	99
57) 1,3-Dichloropropane	11.159	76	246129	47.770	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	612932	241.924	ug/l	99
59) 2-Hexanone	11.188	43	759846	235.364	ug/l	99
60) Dibromochloromethane	11.353	129	152321	47.767	ug/l	99
61) 1,2-Dibromoethane	11.465	107	139994	47.777	ug/l	100
64) Tetrachloroethene	11.100	164	140342	47.439	ug/l	99
65) Chlorobenzene	11.888	112	401122	46.735	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	133755	47.238	ug/l	99
67) Ethyl Benzene	11.959	91	730984	47.196	ug/l	100
68) m/p-Xylenes	12.070	106	551289	94.994	ug/l	100
69) o-Xylene	12.394	106	269992	47.043	ug/l	100
70) Styrene	12.406	104	460331	48.138	ug/l	100
71) Bromoform	12.576	173	101548	47.634	ug/l #	98
73) Isopropylbenzene	12.694	105	667602	46.930	ug/l	100
74) N-amyl acetate	12.488	43	320394	45.241	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	186111	45.501	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	187464m	45.680	ug/l	
77) Bromobenzene	12.976	156	150856	47.860	ug/l	98
78) n-propylbenzene	13.029	91	794892	47.420	ug/l	99
79) 2-Chlorotoluene	13.123	91	493124	47.012	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	550039	47.241	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	84822m	49.639	ug/l	
82) 4-Chlorotoluene	13.217	91	495478	47.552	ug/l	99
83) tert-Butylbenzene	13.435	119	461626	45.757	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	561084	47.342	ug/l	100
85) sec-Butylbenzene	13.612	105	650246	46.468	ug/l	99
86) p-Isopropyltoluene	13.729	119	546663	47.395	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	278387	46.983	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	282403	47.319	ug/l	99
89) n-Butylbenzene	14.053	91	482335	47.178	ug/l	100
90) Hexachloroethane	14.329	117	92416	47.634	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	273135	47.545	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	39601	48.017	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	131639	47.854	ug/l	100
94) Hexachlorobutadiene	15.500	225	48079	46.301	ug/l	100
95) Naphthalene	15.635	128	472042	48.408	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	123220	47.314	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

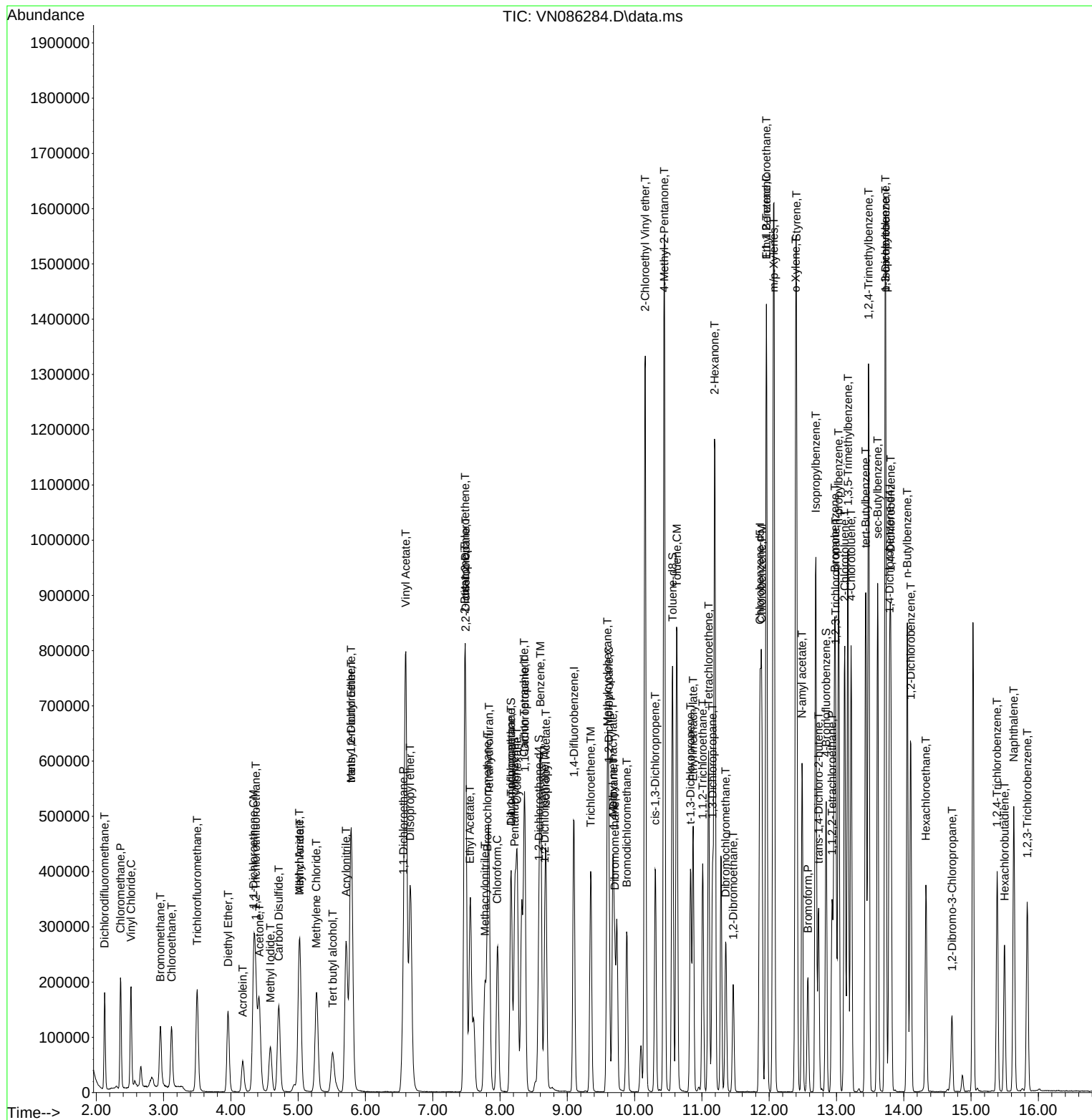
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

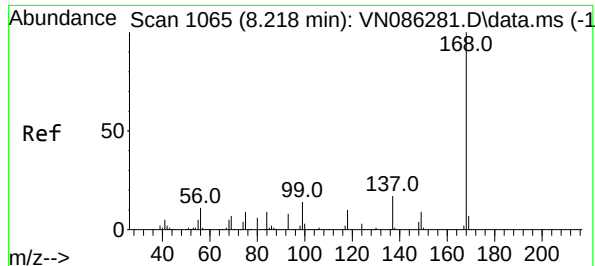
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Manual Integrations

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025





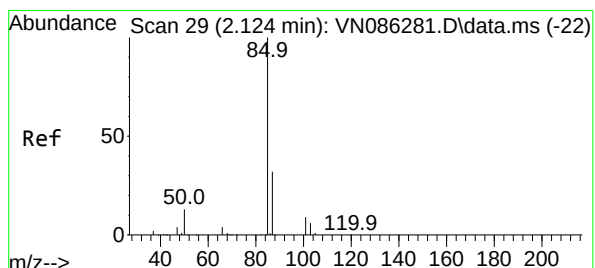
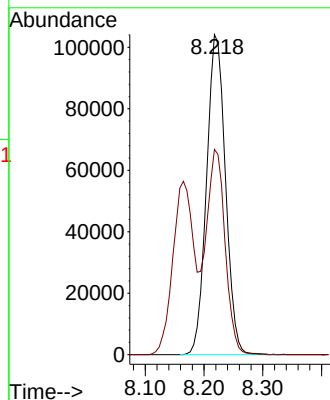
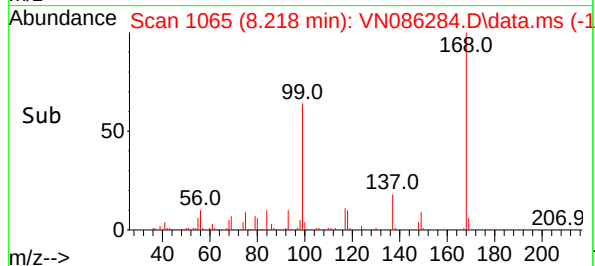
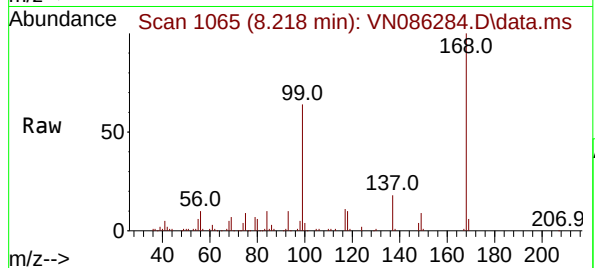
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Tgt Ion:168 Resp: 232800
Ion Ratio Lower Upper
168 100
99 64.2 52.5 78.7

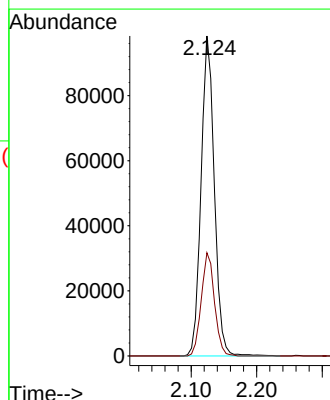
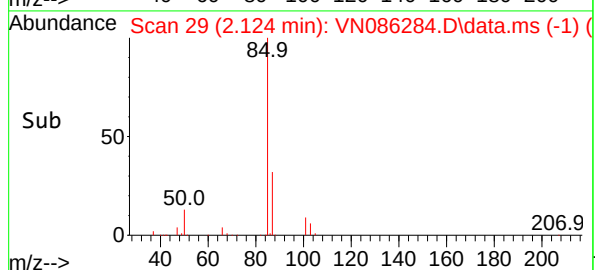
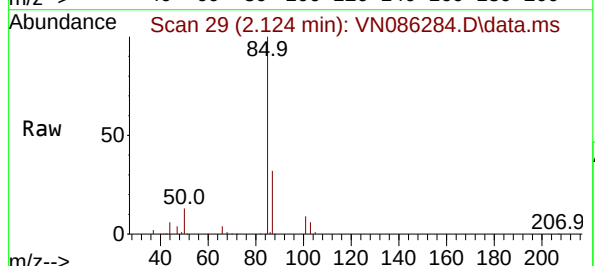
Manual Integrations
APPROVED

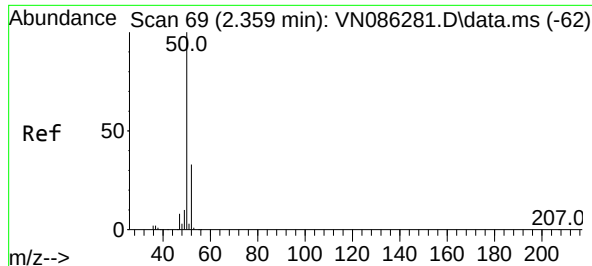
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#2
Dichlorodifluoromethane
Concen: 50.220 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

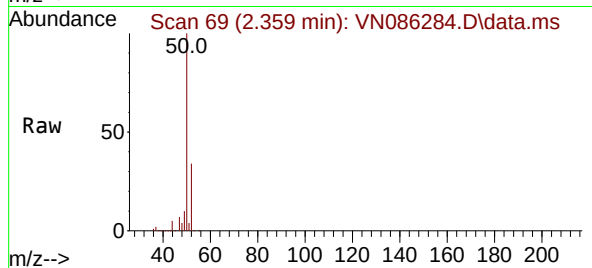
Tgt Ion: 85 Resp: 138594
Ion Ratio Lower Upper
85 100
87 32.2 16.3 48.8





#3
Chloromethane
Concen: 46.321 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

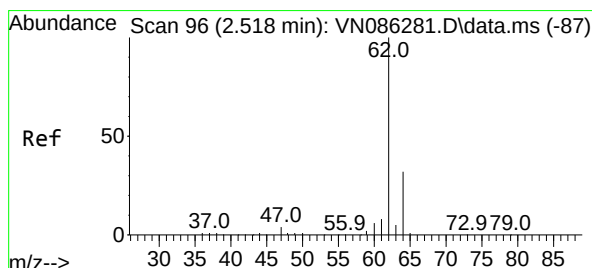
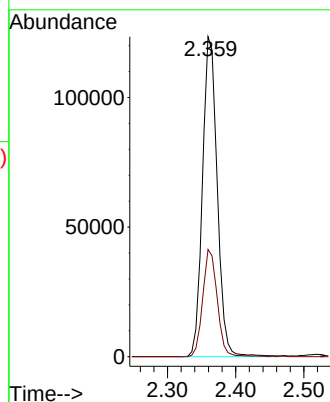
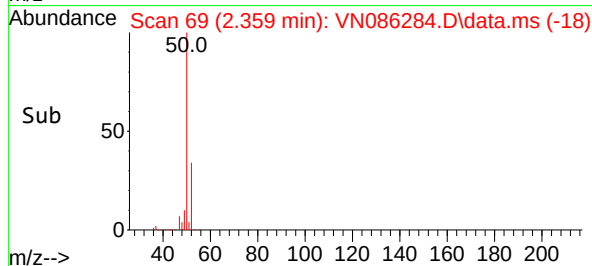
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525



Tgt Ion: 50 Resp: 185780
Ion Ratio Lower Upper
50 100
52 33.5 26.5 39.7

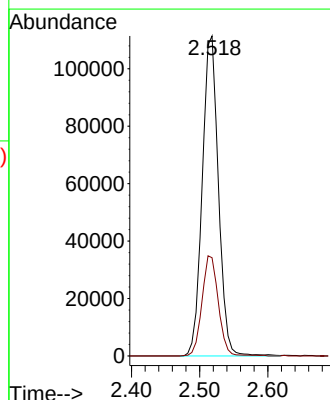
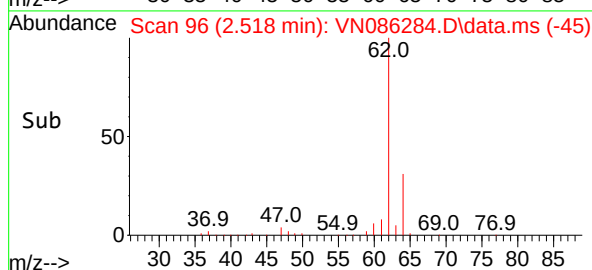
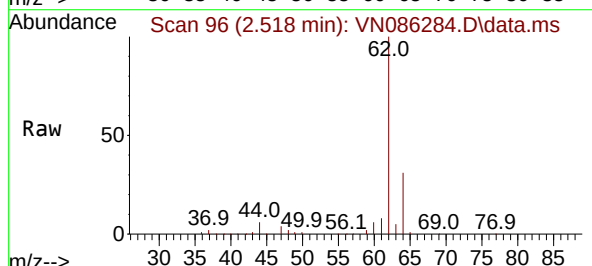
Manual Integrations
APPROVED

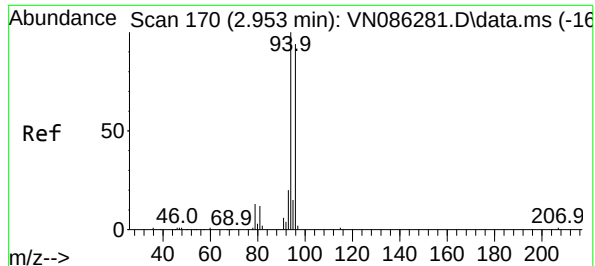
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#4
Vinyl Chloride
Concen: 48.040 ug/l
RT: 2.518 min Scan# 96
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

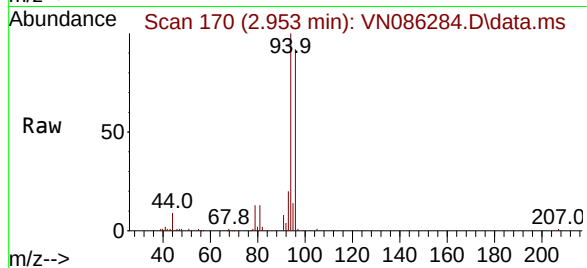
Tgt Ion: 62 Resp: 183873
Ion Ratio Lower Upper
62 100
64 30.7 25.6 38.4





#5
Bromomethane
Concen: 51.662 ug/l
RT: 2.953 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

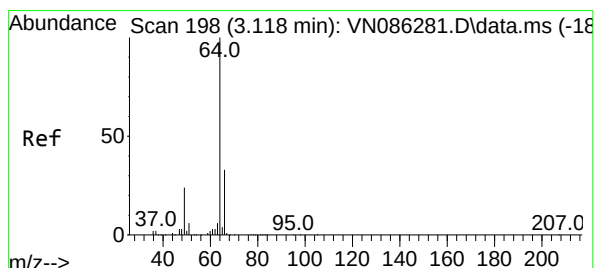
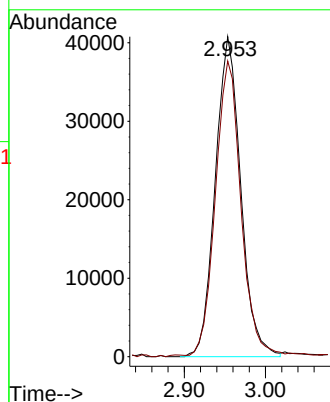
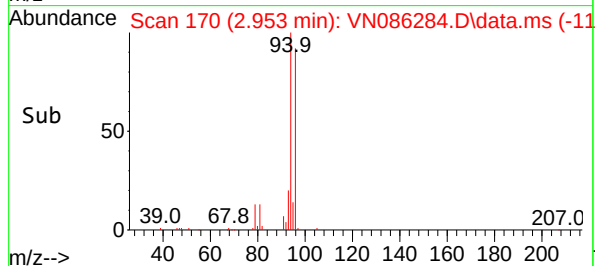
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525



Tgt Ion: 94 Resp: 8894
Ion Ratio Lower Upper
94 100
96 91.9 75.2 112.8

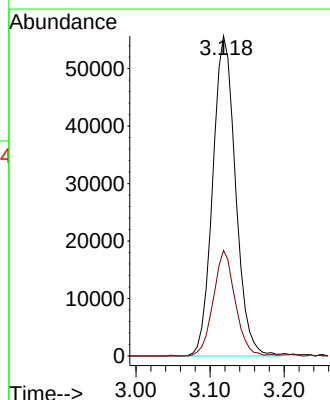
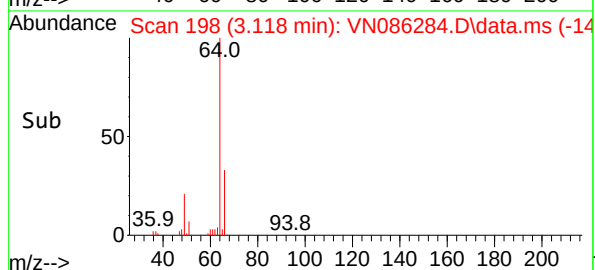
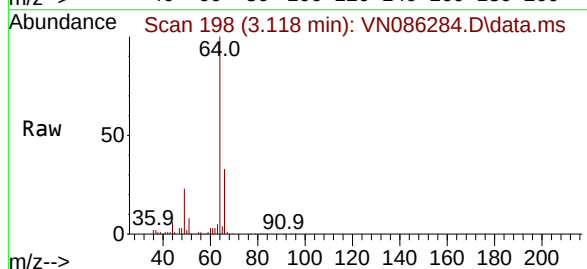
Manual Integrations
APPROVED

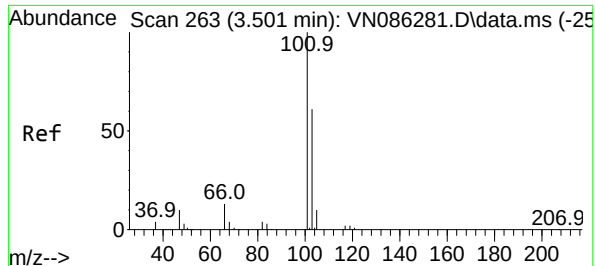
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#6
Chloroethane
Concen: 46.557 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

Tgt Ion: 64 Resp: 119261
Ion Ratio Lower Upper
64 100
66 33.0 26.2 39.2





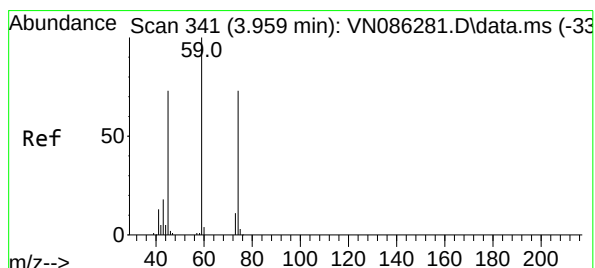
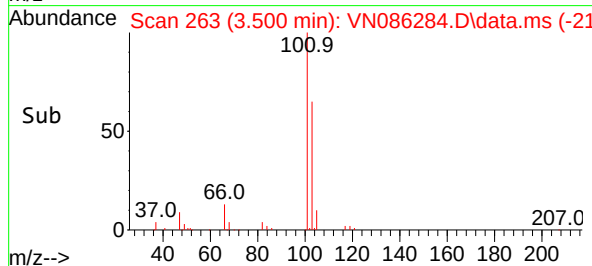
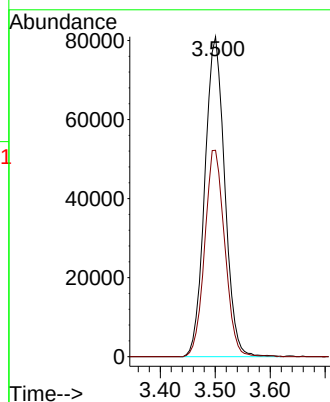
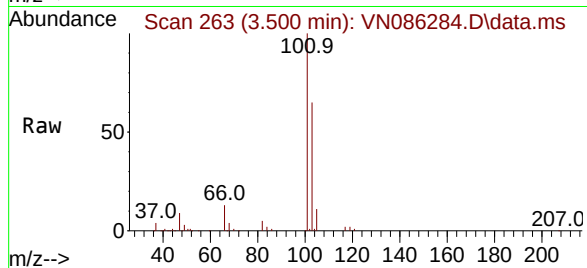
#7
Trichlorofluoromethane
Concen: 48.030 ug/l
RT: 3.500 min Scan# 203630
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Tgt Ion:101 Resp: 203630
Ion Ratio Lower Upper
101 100
103 64.5 49.2 73.8

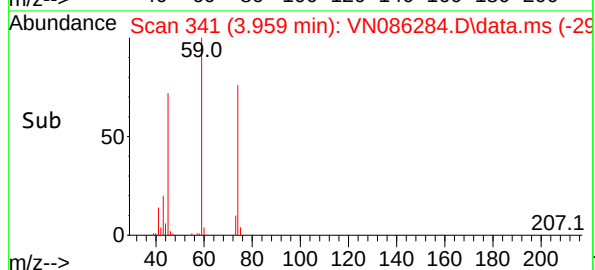
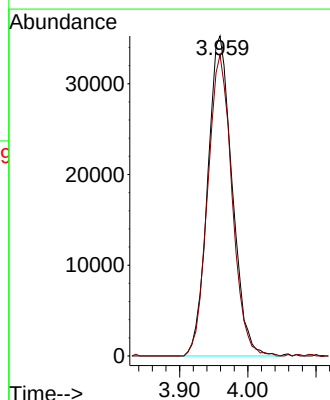
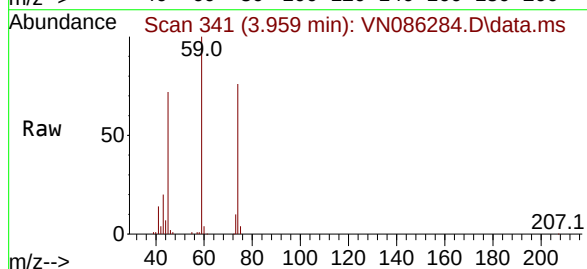
Manual Integrations
APPROVED

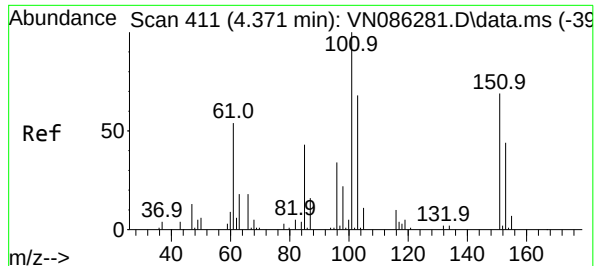
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#8
Diethyl Ether
Concen: 47.564 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

Tgt Ion: 74 Resp: 88034
Ion Ratio Lower Upper
74 100
45 93.5 48.0 144.2





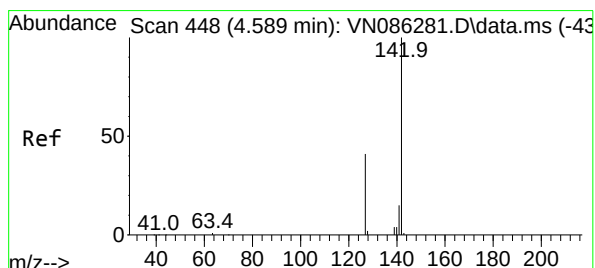
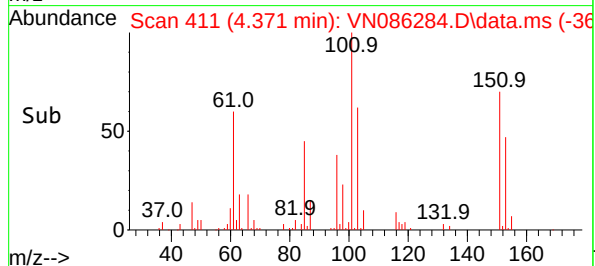
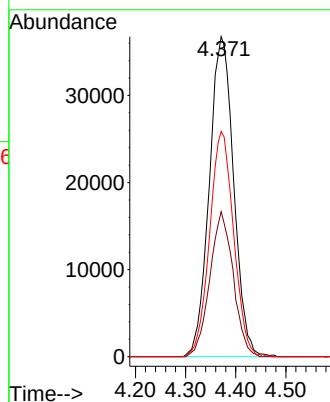
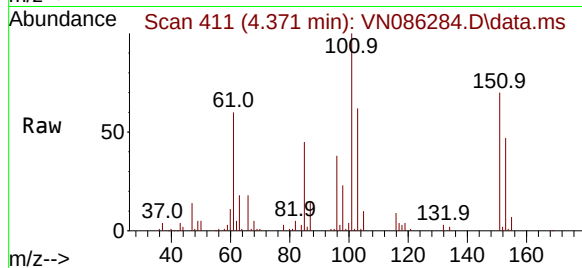
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.357 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Tgt Ion:101 Resp: 124024
Ion Ratio Lower Upper
101 100
85 43.4 34.7 52.1
151 69.3 56.1 84.1

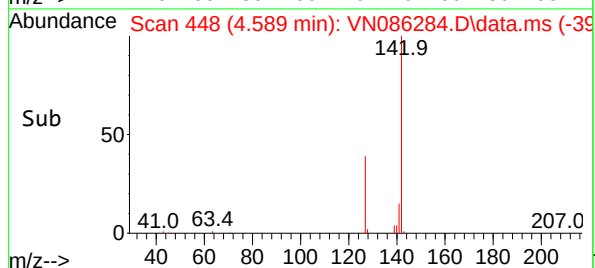
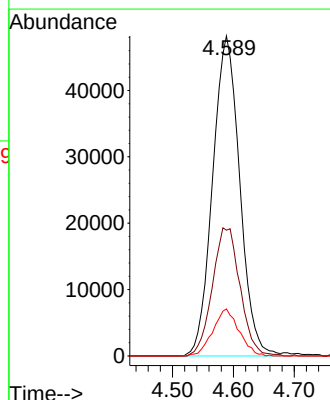
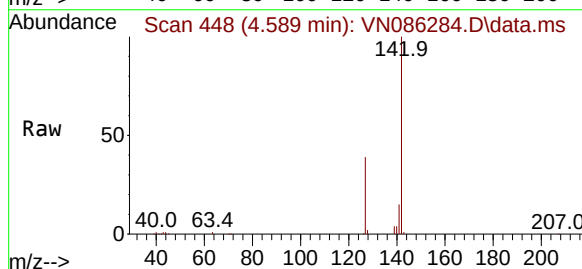
Manual Integrations
APPROVED

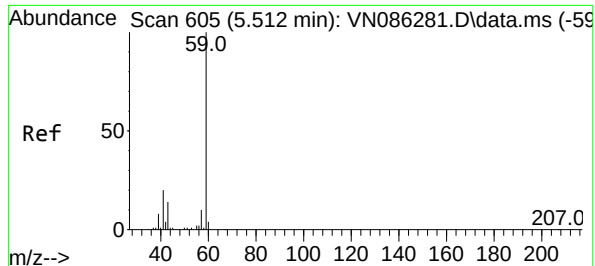
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#10
Methyl Iodide
Concen: 52.806 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

Tgt Ion:142 Resp: 148899
Ion Ratio Lower Upper
142 100
127 39.3 32.7 49.1
141 14.7 11.7 17.5





#11

Tert butyl alcohol

Concen: 233.586 ug/l

RT: 5.512 min Scan# 605

Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041525

Tgt Ion: 59 Resp: 143880

Ion Ratio Lower Upper

59 100

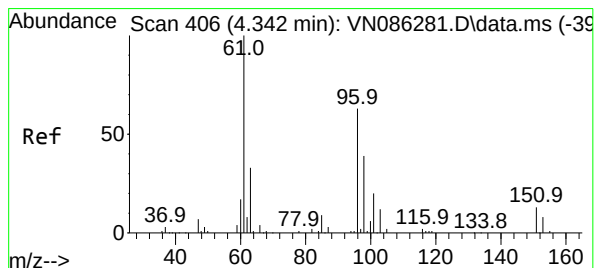
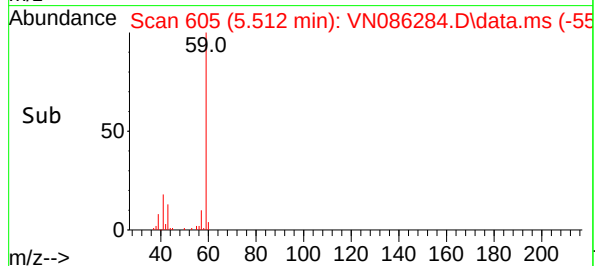
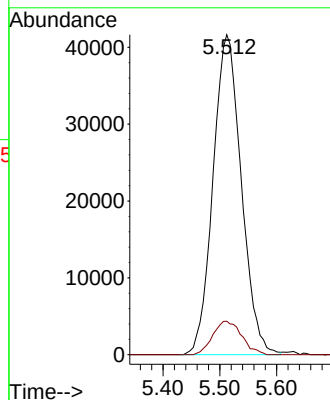
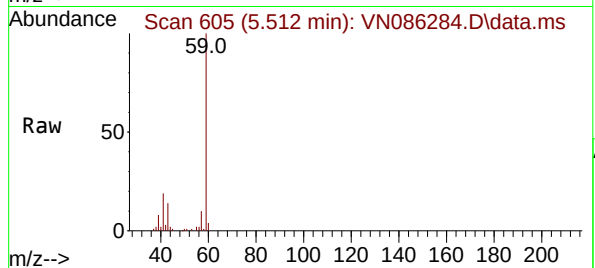
57 10.7 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#12

1,1-Dichloroethene

Concen: 47.278 ug/l

RT: 4.336 min Scan# 405

Delta R.T. -0.006 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

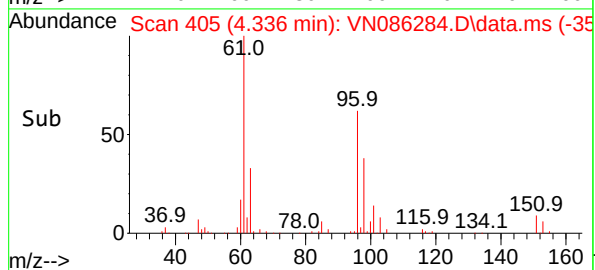
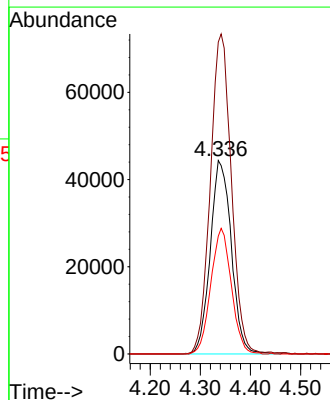
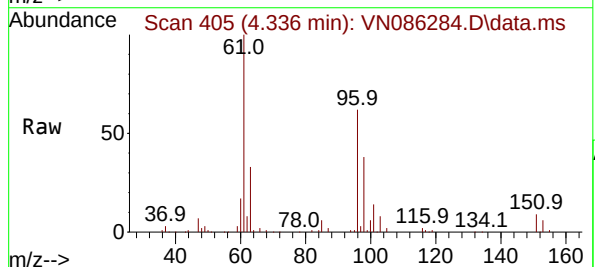
Tgt Ion: 96 Resp: 129546

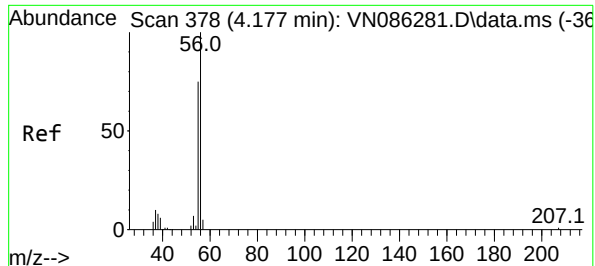
Ion Ratio Lower Upper

96 100

61 161.2 126.6 189.8

98 60.9 49.6 74.4





#13

Acrolein

Concen: 251.743 ug/l

RT: 4.177 min Scan# 378

Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041525

Tgt Ion: 56 Resp: 72270

Ion Ratio Lower Upper

56 100

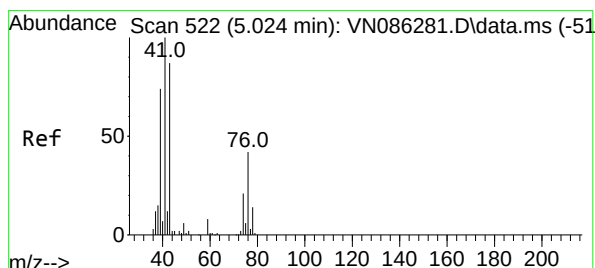
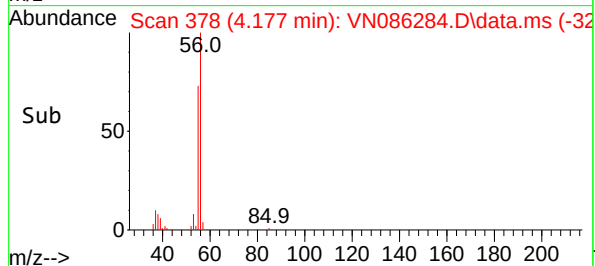
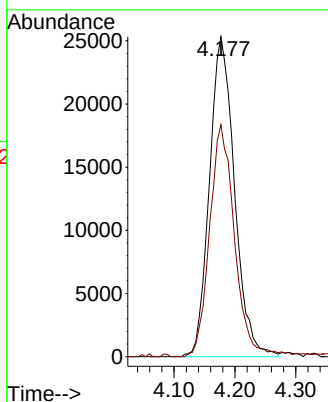
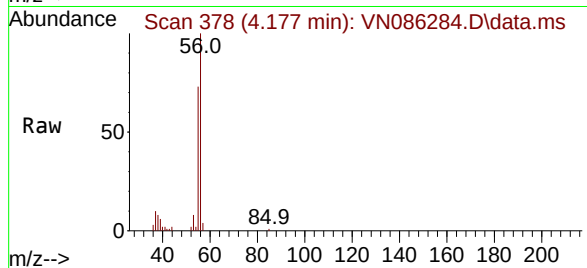
55 72.2 58.5 87.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#14

Allyl chloride

Concen: 45.280 ug/l

RT: 5.024 min Scan# 522

Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

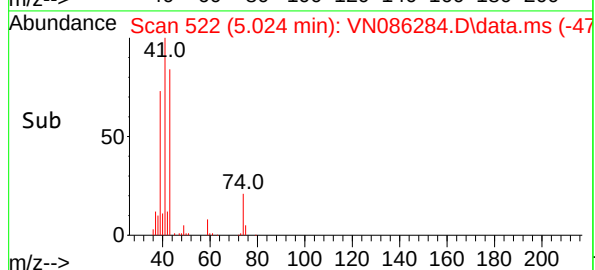
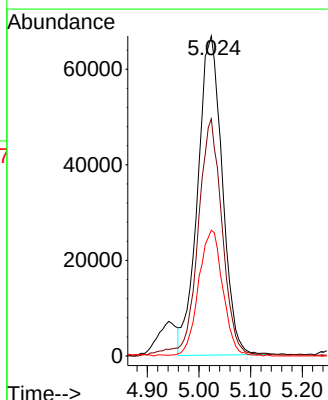
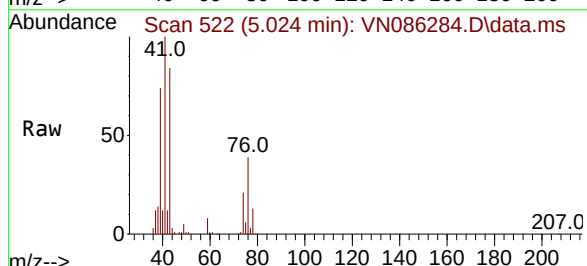
Tgt Ion: 41 Resp: 220559

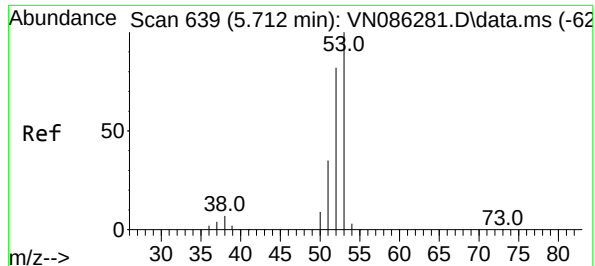
Ion Ratio Lower Upper

41 100

39 73.3 59.2 88.8

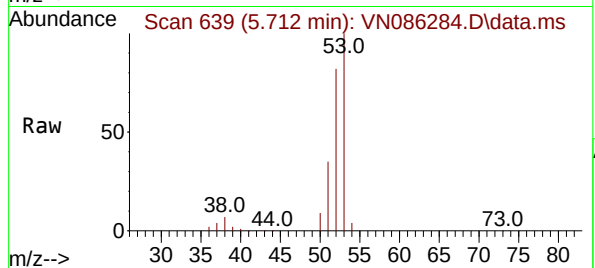
76 39.0 31.2 46.8





#15
Acrylonitrile
Concen: 244.312 ug/l
RT: 5.712 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

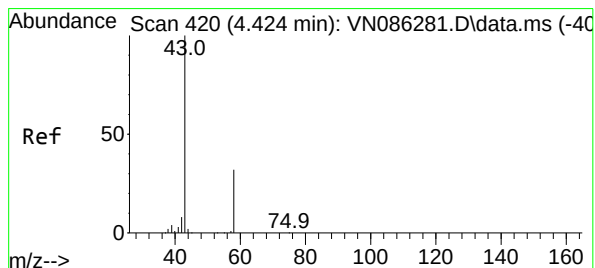
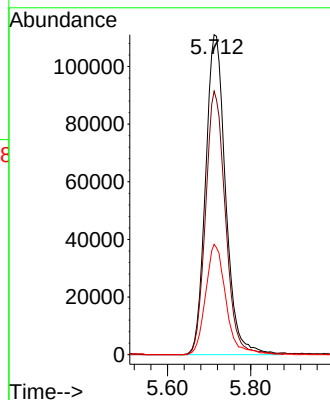
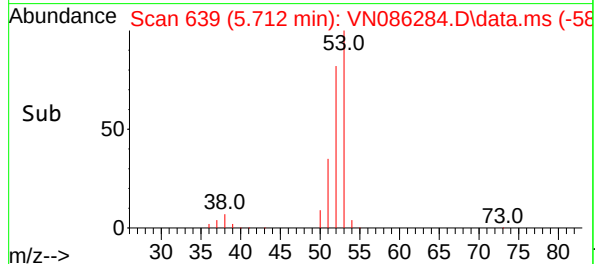
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525



Tgt Ion: 53 Resp: 372009
Ion Ratio Lower Upper
53 100
52 81.4 65.5 98.3
51 34.9 28.6 42.8

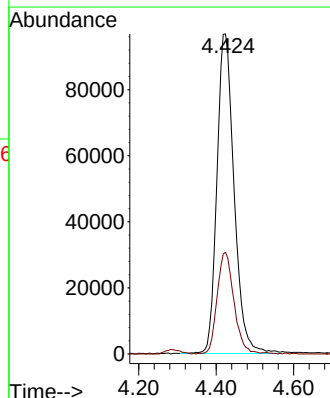
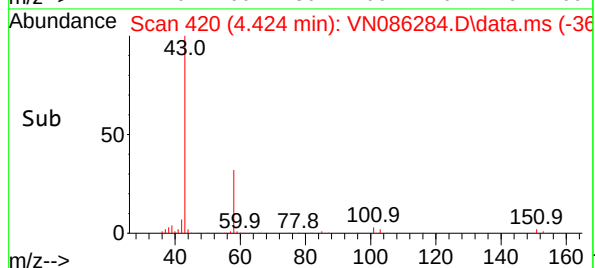
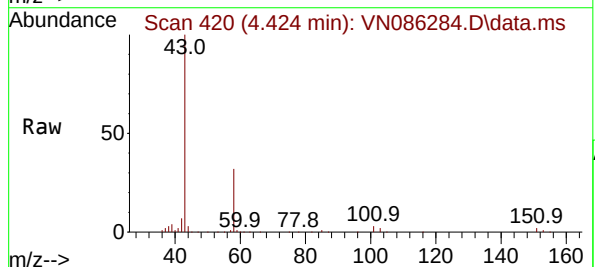
Manual Integrations
APPROVED

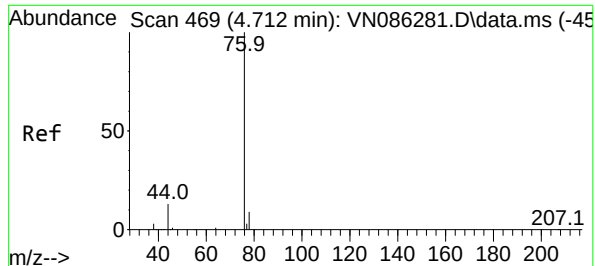
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#16
Acetone
Concen: 254.646 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

Tgt Ion: 43 Resp: 297097
Ion Ratio Lower Upper
43 100
58 31.6 25.3 37.9





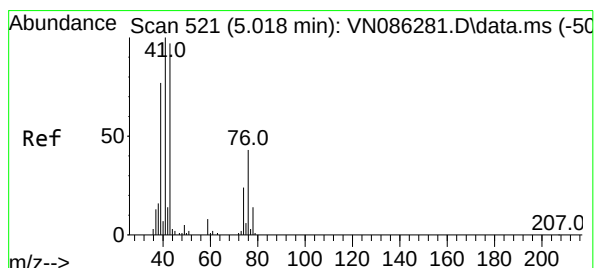
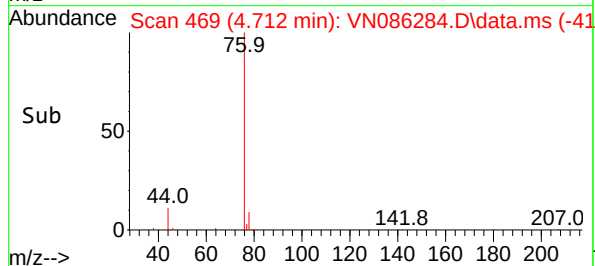
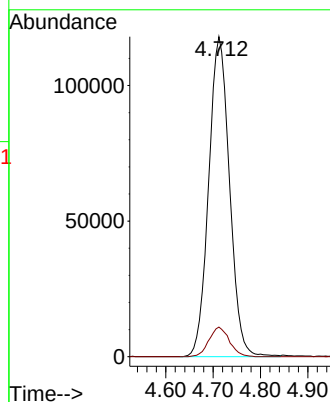
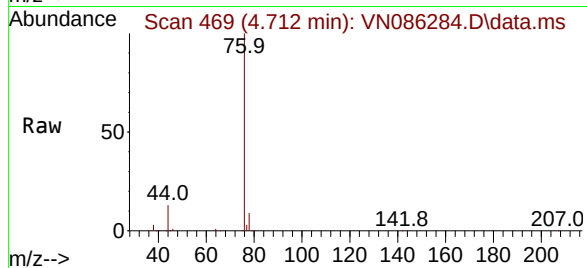
#17
Carbon Disulfide
Concen: 43.983 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Tgt Ion: 76 Resp: 36086
Ion Ratio Lower Upper
76 100
78 9.3 7.6 11.4

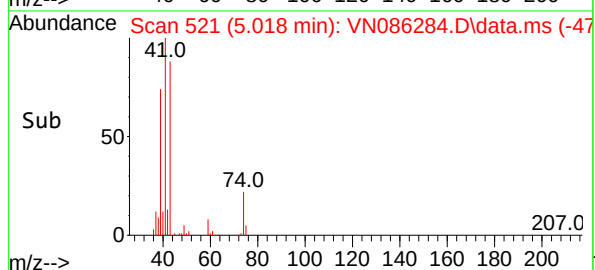
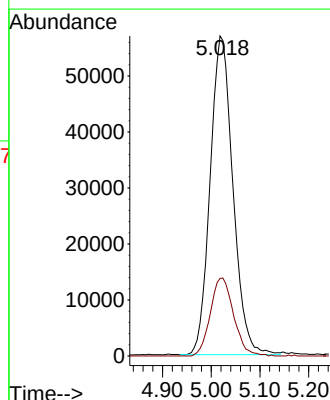
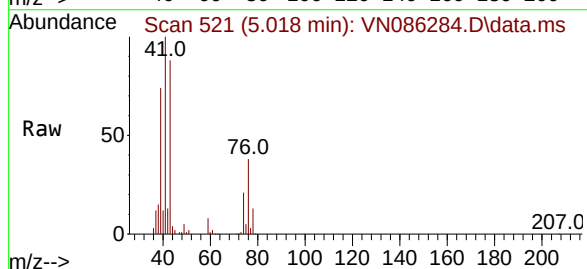
Manual Integrations
APPROVED

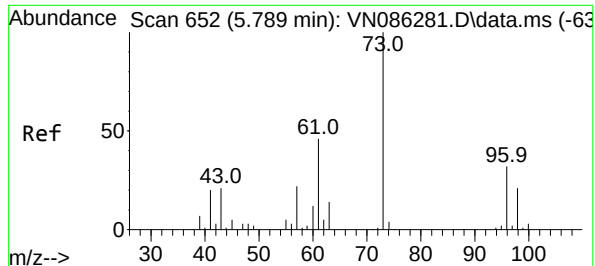
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#18
Methyl Acetate
Concen: 45.586 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

Tgt Ion: 43 Resp: 184731
Ion Ratio Lower Upper
43 100
74 25.0 19.8 29.6





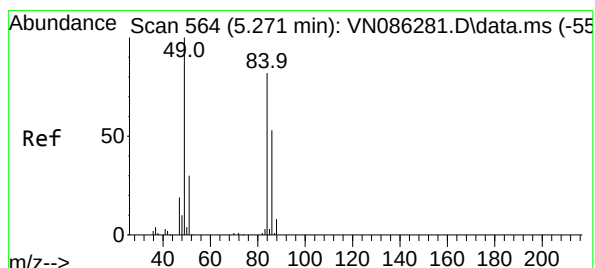
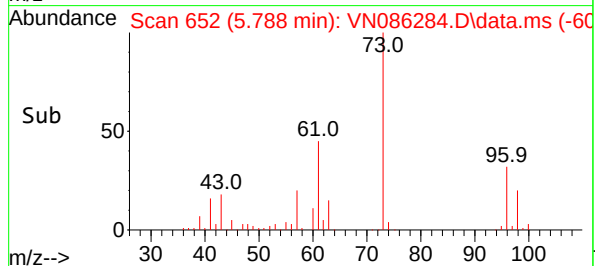
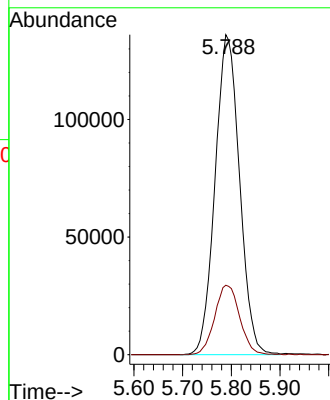
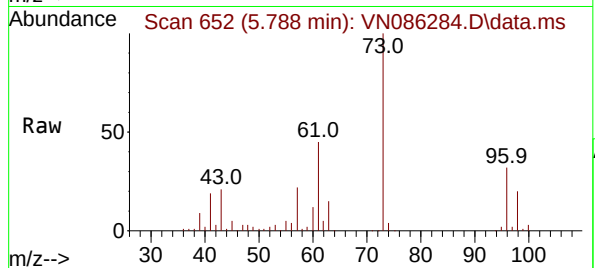
#19
Methyl tert-butyl Ether
Concen: 47.117 ug/l
RT: 5.788 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Tgt Ion: 73 Resp: 474584
Ion Ratio Lower Upper
73 100
57 21.7 17.6 26.4

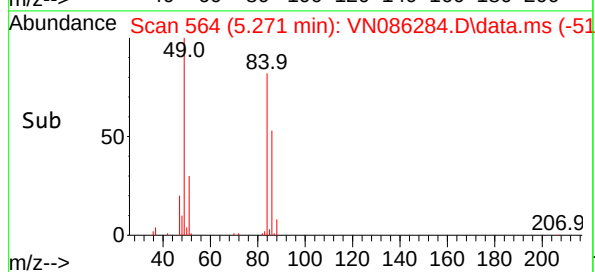
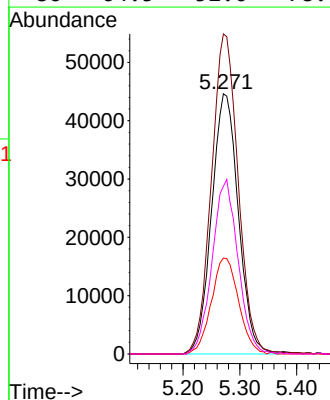
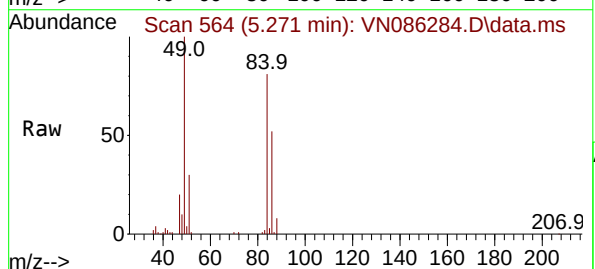
Manual Integrations
APPROVED

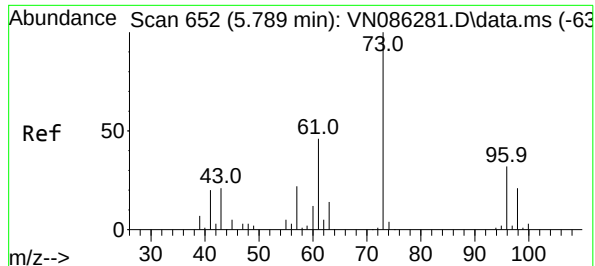
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#20
Methylene Chloride
Concen: 46.740 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

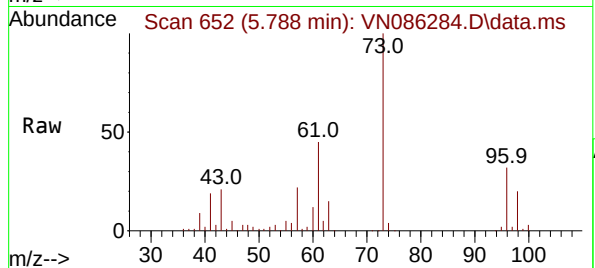
Tgt Ion: 84 Resp: 145872
Ion Ratio Lower Upper
84 100
49 123.0 98.2 147.2
51 36.9 29.8 44.6
86 64.5 52.0 78.0





#21
trans-1,2-Dichloroethene
Concen: 46.960 ug/l
RT: 5.788 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

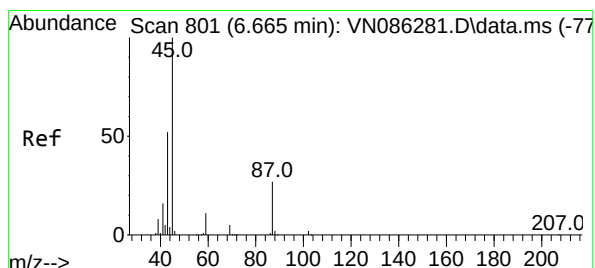
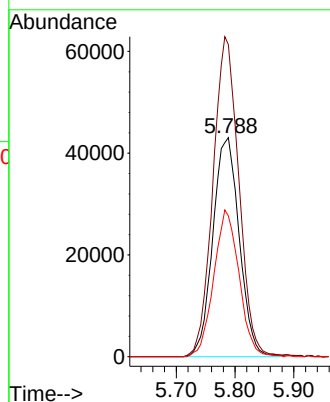
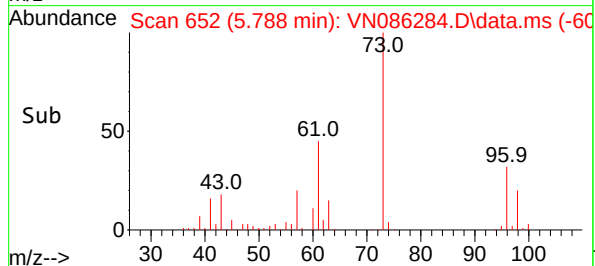
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525



Tgt Ion: 96 Resp: 134520
Ion Ratio Lower Upper
96 100
61 142.5 114.6 171.8
98 64.3 51.2 76.8

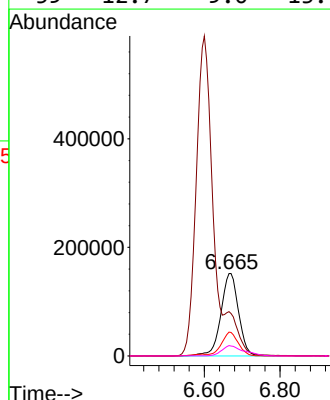
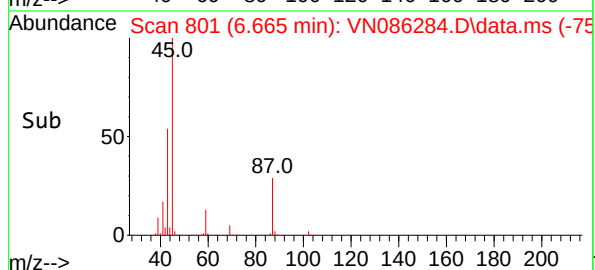
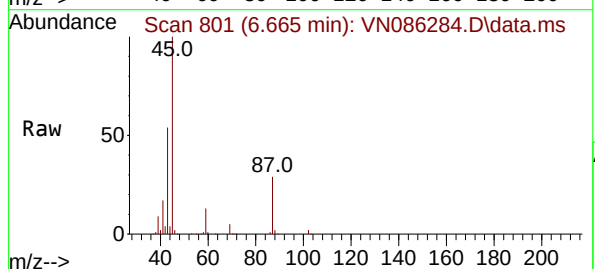
Manual Integrations
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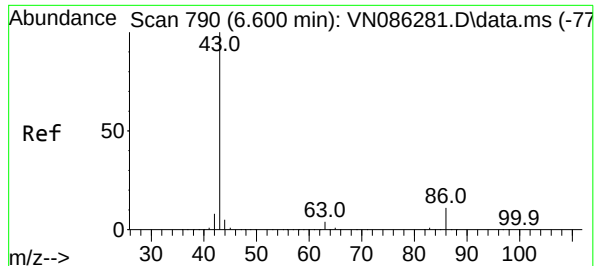
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#22
Diisopropyl ether
Concen: 46.426 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

Tgt Ion: 45 Resp: 491946
Ion Ratio Lower Upper
45 100
43 53.2 41.8 62.8
87 28.9 21.6 32.4
59 12.7 9.0 13.4





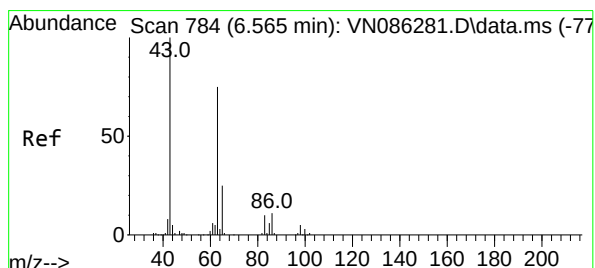
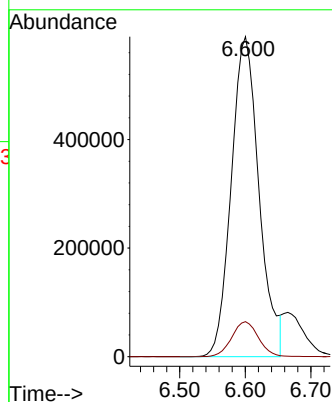
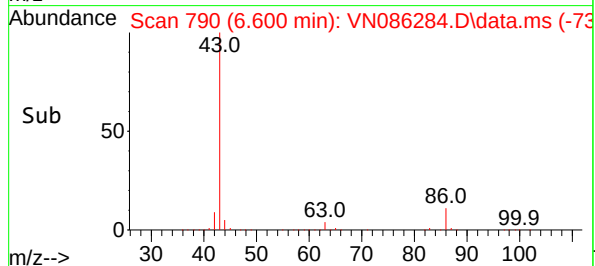
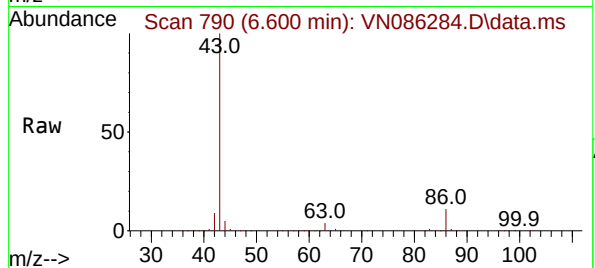
#23
Vinyl Acetate
Concen: 234.680 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Tgt Ion: 43 Resp: 1738360
Ion Ratio Lower Upper
43 100
86 10.9 8.6 13.0

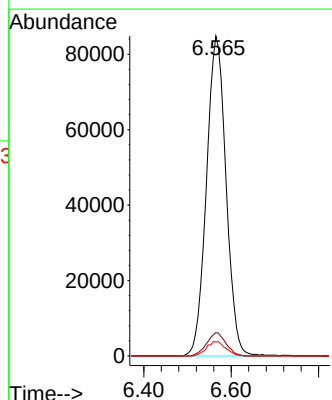
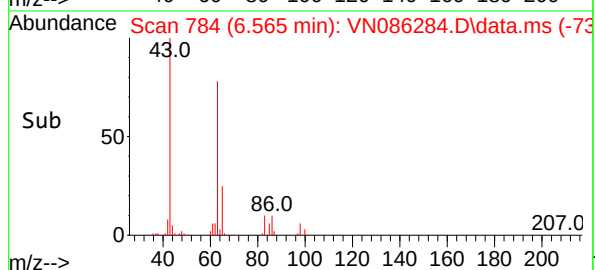
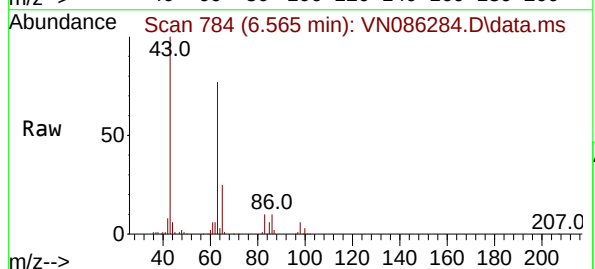
Manual Integrations
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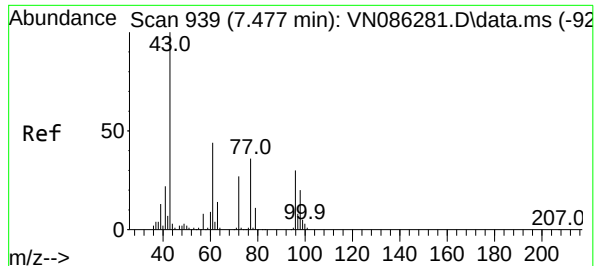
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#24
1,1-Dichloroethane
Concen: 47.277 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

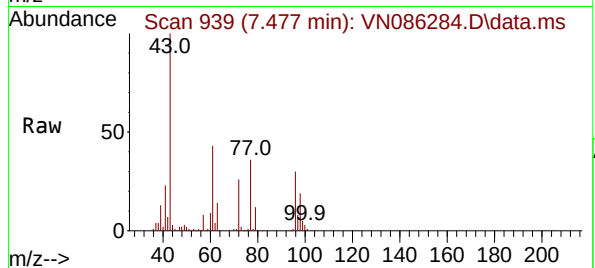
Tgt Ion: 63 Resp: 264324
Ion Ratio Lower Upper
63 100
98 7.3 3.4 10.2
100 4.4 2.1 6.5





#25
2-Butanone
Concen: 238.732 ug/l
RT: 7.477 min Scan# 910
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

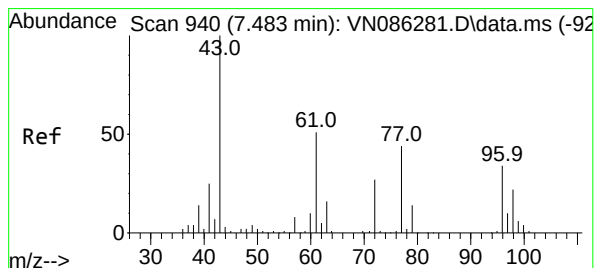
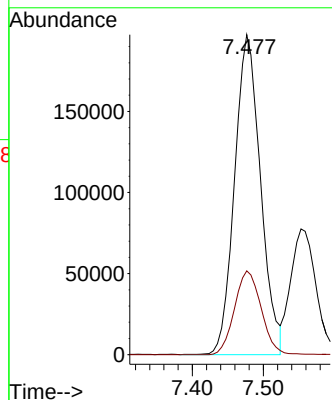
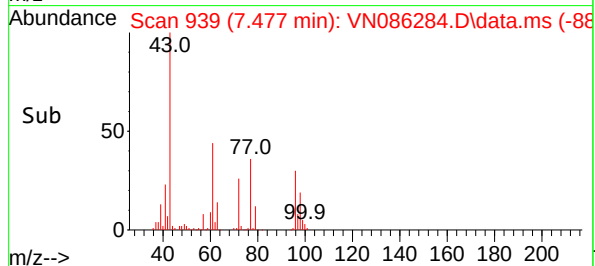
Instrument :
MSVOA_N
Client Sample Id :
ICVVN041525



Tgt Ion: 43 Resp: 501652
Ion Ratio Lower Upper
43 100
72 26.2 21.7 32.5

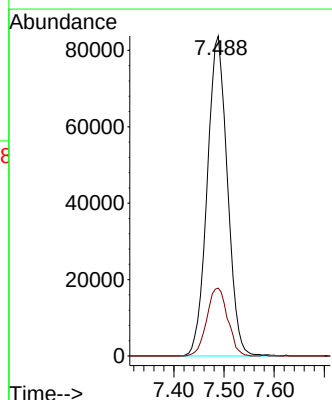
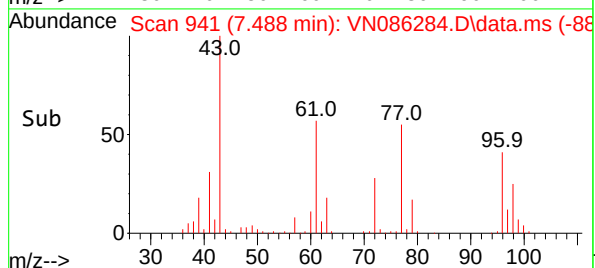
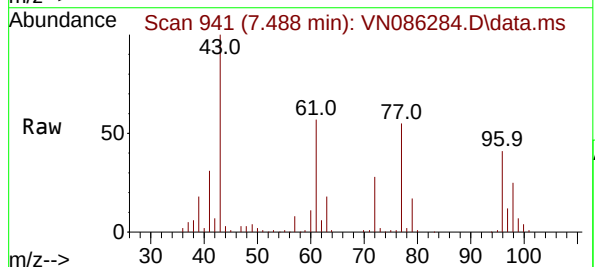
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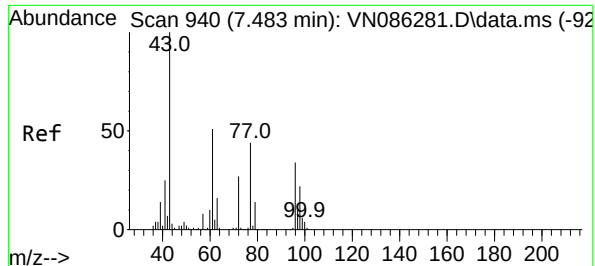
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#26
2,2-Dichloropropane
Concen: 46.721 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

Tgt Ion: 77 Resp: 233882
Ion Ratio Lower Upper
77 100
97 22.0 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 47.105 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041525

Tgt Ion: 96 Resp: 167485

Ion Ratio Lower Upper

96 100

61 146.5 0.0 299.0

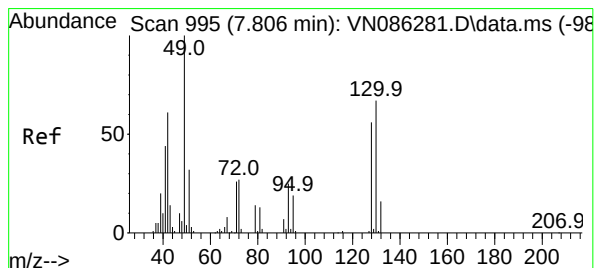
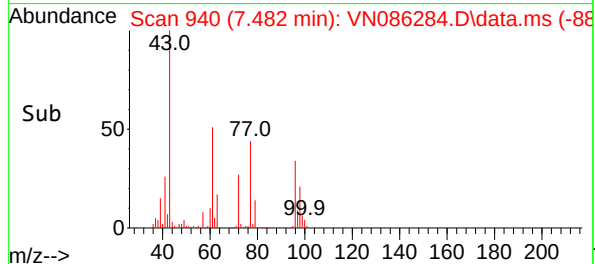
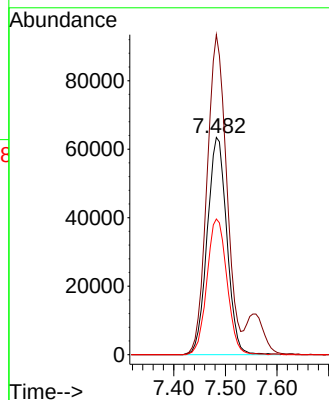
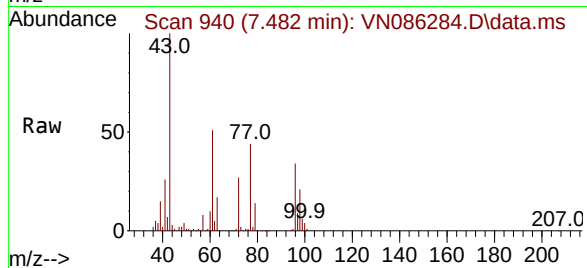
98 63.7 0.0 129.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#28

Bromochloromethane

Concen: 48.044 ug/l

RT: 7.812 min Scan# 996

Delta R.T. 0.006 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

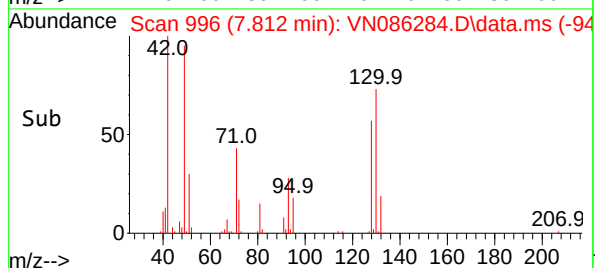
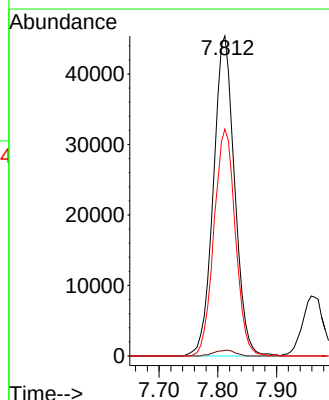
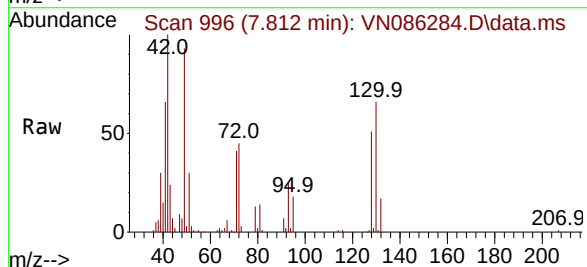
Tgt Ion: 49 Resp: 113893

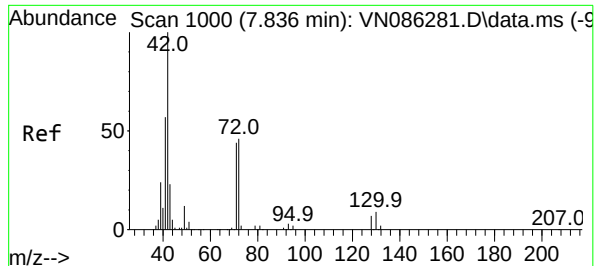
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.4

130 71.3 57.1 85.7





#29

Tetrahydrofuran

Concen: 232.296 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041525

Tgt Ion: 42 Resp: 326414

Ion Ratio Lower Upper

42 100

72 45.5 36.2 54.4

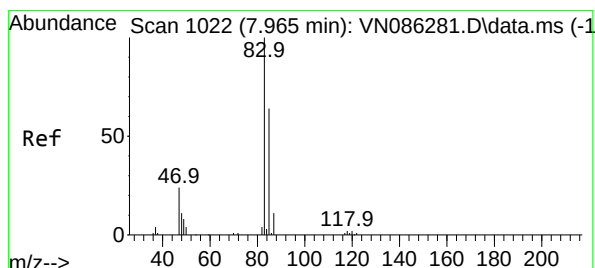
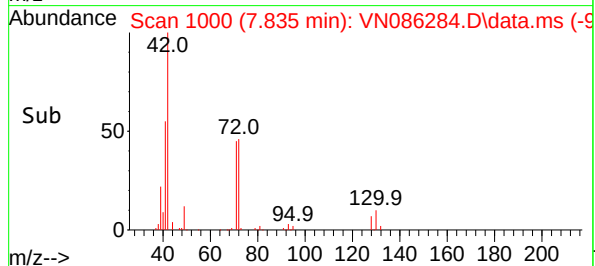
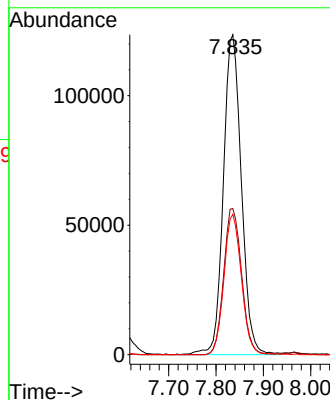
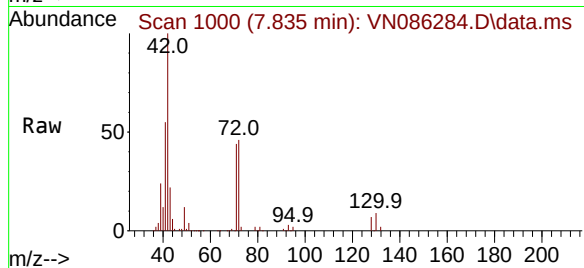
71 42.7 34.0 51.0

Manual Integrations

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Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#30

Chloroform

Concen: 47.047 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VN086284.D

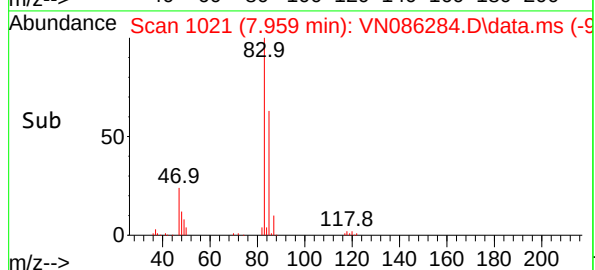
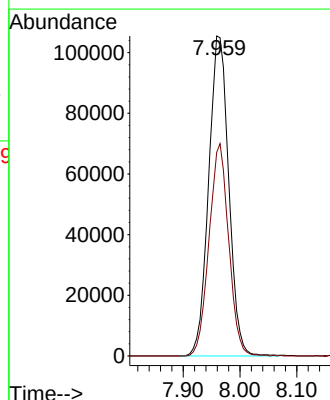
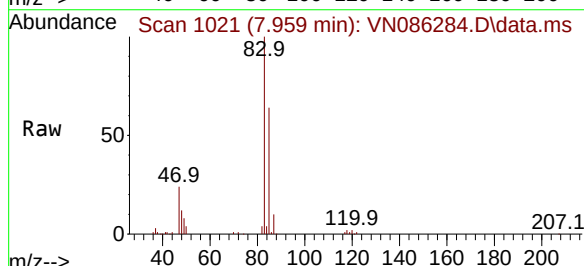
Acq: 15 Apr 2025 15:30

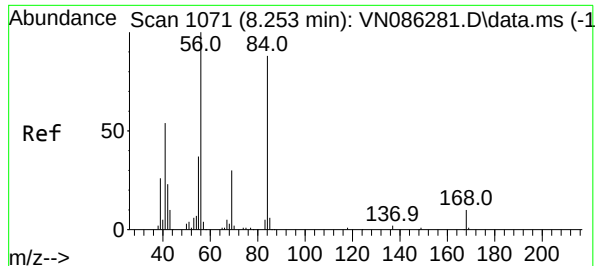
Tgt Ion: 83 Resp: 258393

Ion Ratio Lower Upper

83 100

85 63.6 51.5 77.3





#31

Cyclohexane

Concen: 45.162 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041525

Tgt Ion: 56 Resp: 24707

Ion Ratio Lower Upper

56 100

69 30.2 24.2 36.2

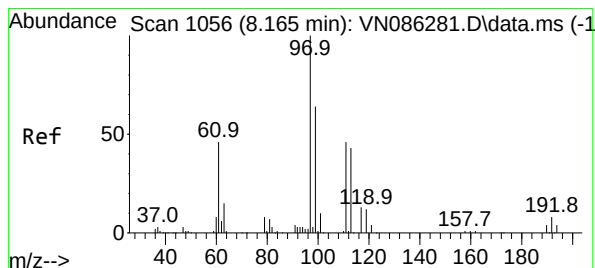
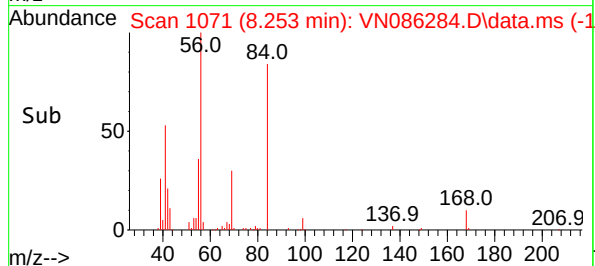
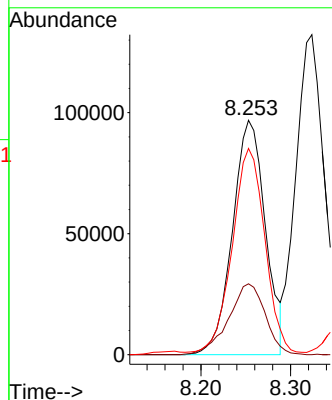
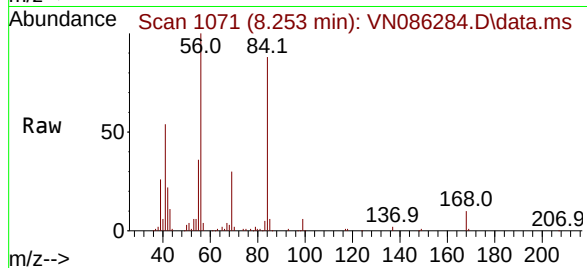
84 86.9 70.3 105.5

Manual Integrations

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Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#32

1,1,1-Trichloroethane

Concen: 47.385 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

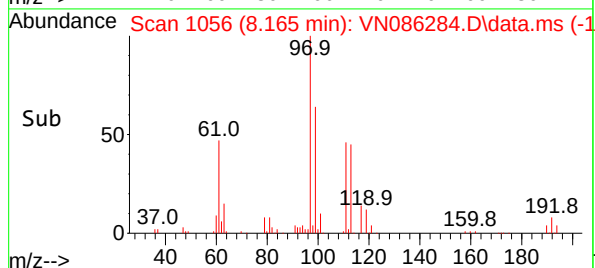
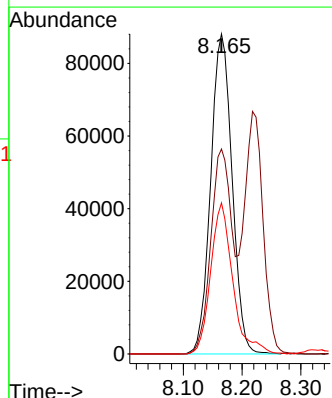
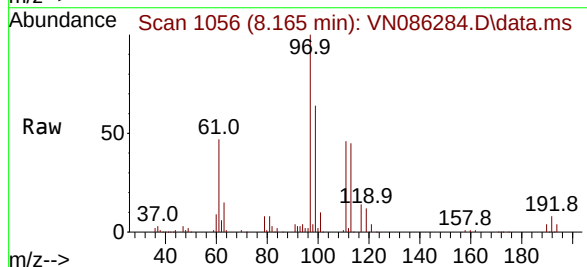
Tgt Ion: 97 Resp: 222630

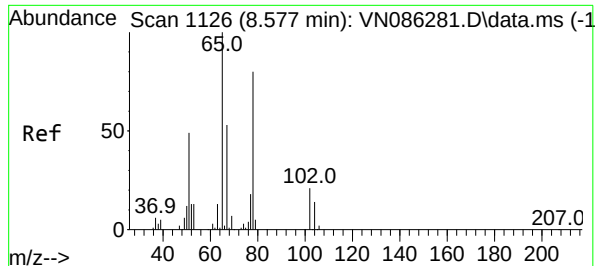
Ion Ratio Lower Upper

97 100

99 61.6 52.7 79.1

61 48.8 39.5 59.3





#33

1,2-Dichloroethane-d4

Concen: 50.114 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041525

Tgt Ion: 65 Resp: 16918

Ion Ratio Lower Upper

65 100

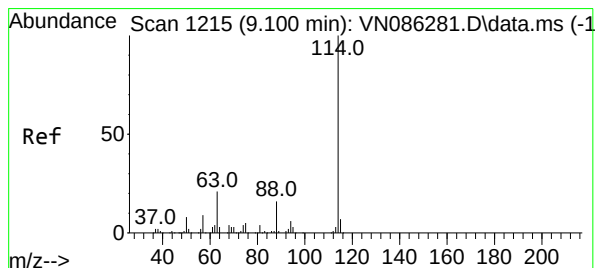
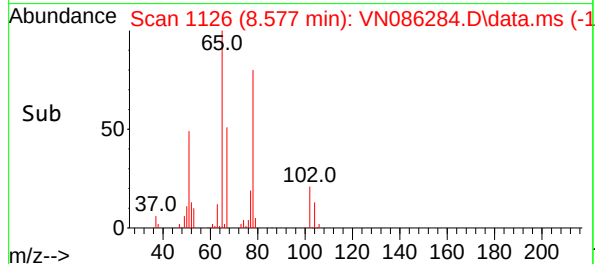
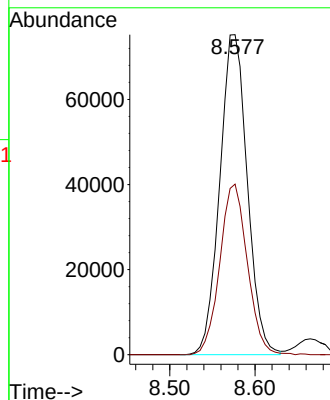
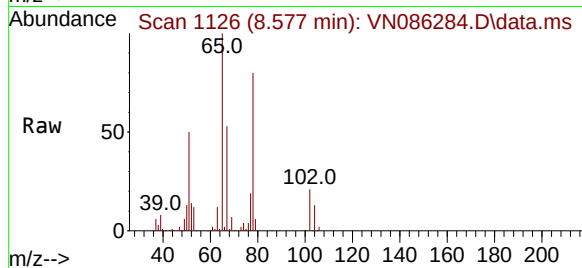
67 53.2 0.0 106.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

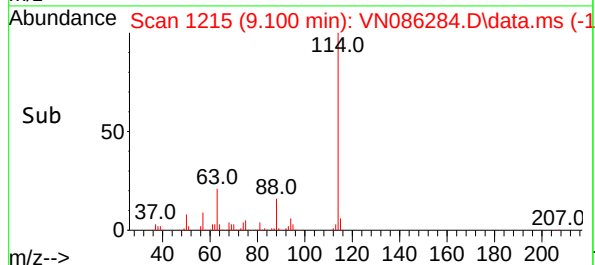
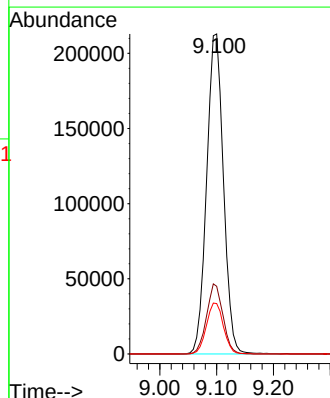
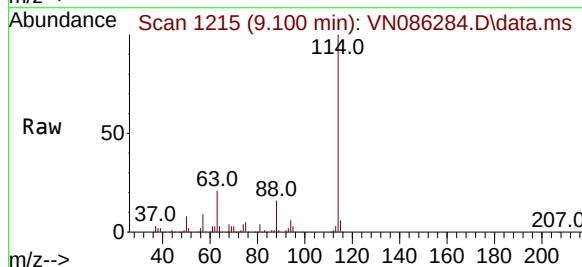
Tgt Ion:114 Resp: 435528

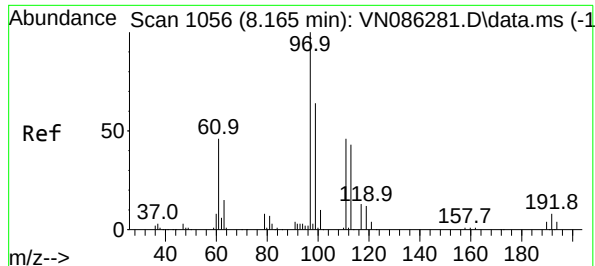
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.6

88 15.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.865 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041525

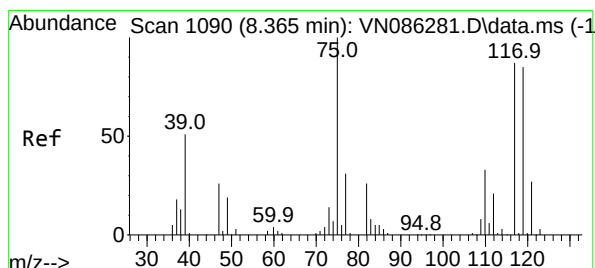
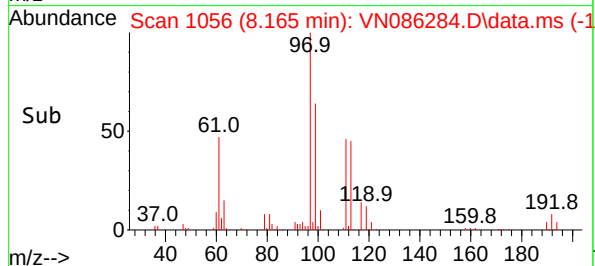
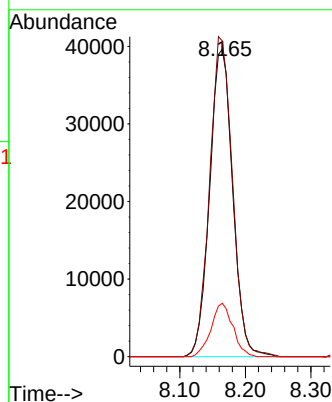
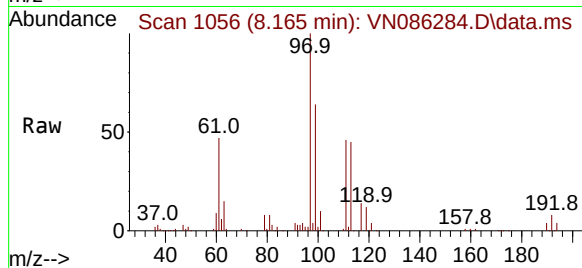
Tgt Ion:	113	Resp:	9675
Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.4	125.0
192	16.5	13.7	20.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#36

1,1-Dichloropropene

Concen: 47.382 ug/l

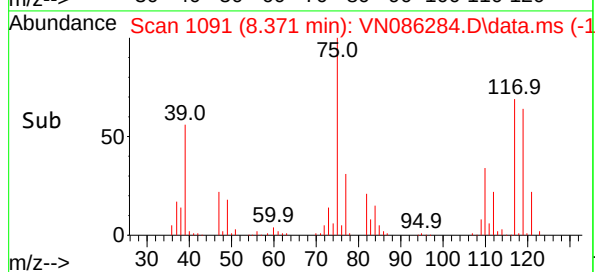
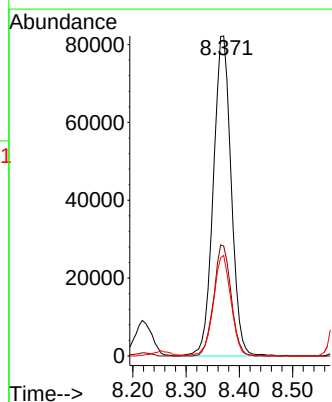
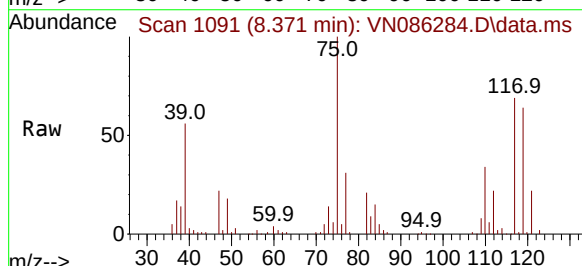
RT: 8.371 min Scan# 1091

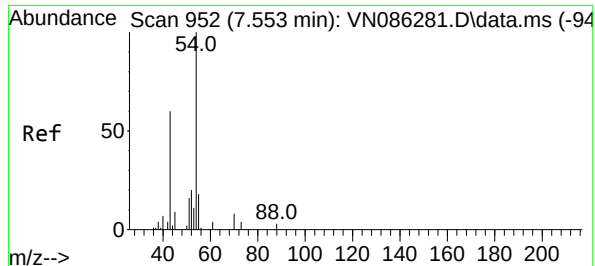
Delta R.T. 0.006 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

Tgt Ion:	75	Resp:	191295
Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.8	50.4
77	31.0	24.9	37.3





#37

Ethyl Acetate

Concen: 45.984 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041525

Tgt Ion: 43 Resp: 19545

Ion Ratio Lower Upper

43 100

61 14.0 11.1 16.7

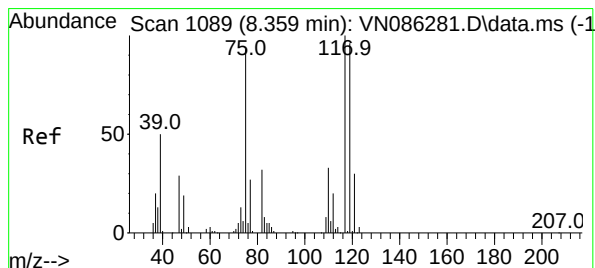
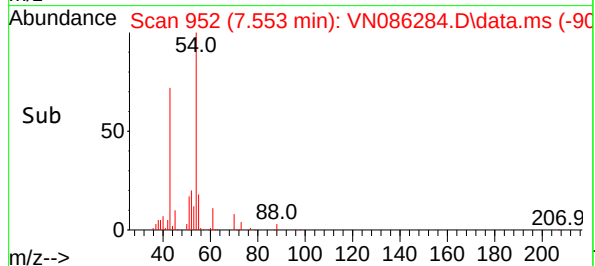
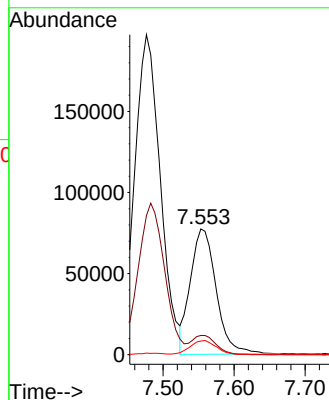
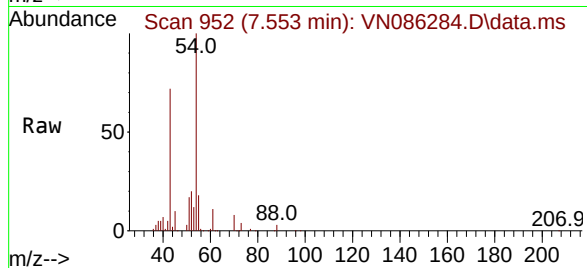
70 11.5 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#38

Carbon Tetrachloride

Concen: 47.475 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

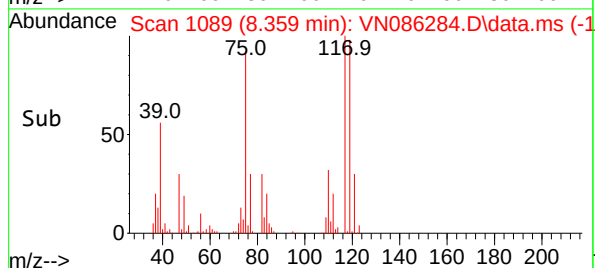
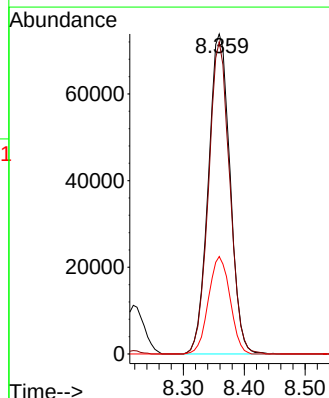
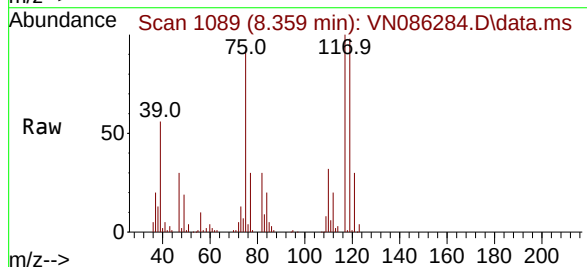
Tgt Ion:117 Resp: 182531

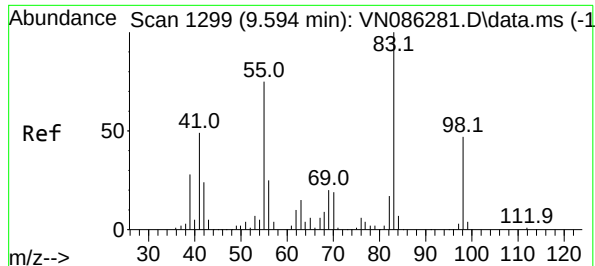
Ion Ratio Lower Upper

117 100

119 97.6 76.8 115.2

121 30.5 23.8 35.8





#39

Methylcyclohexane

Concen: 45.902 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041525

Tgt Ion: 83 Resp: 22027

Ion Ratio Lower Upper

83 100

55 78.7 59.8 89.8

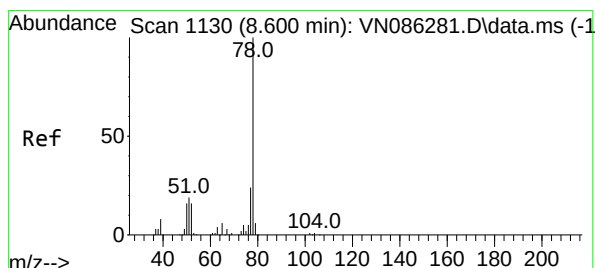
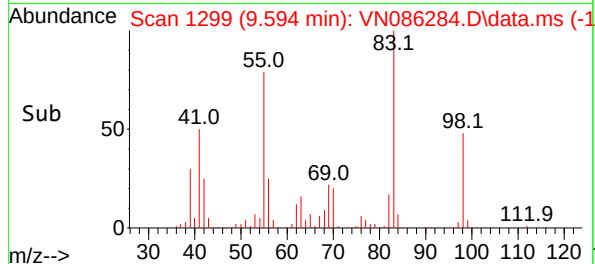
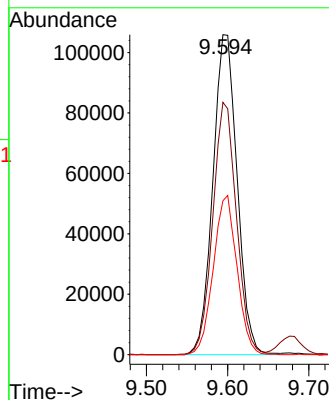
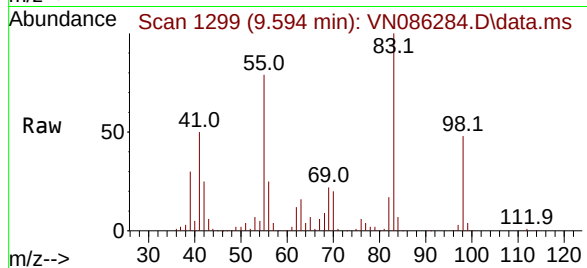
98 48.1 37.9 56.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#40

Benzene

Concen: 47.168 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN086284.D

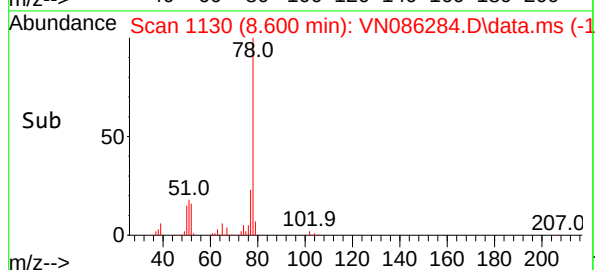
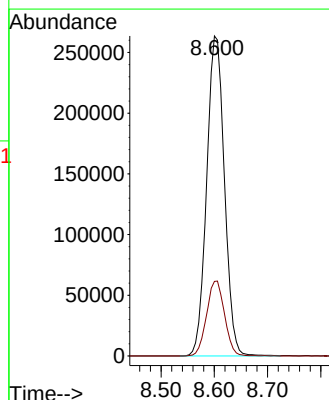
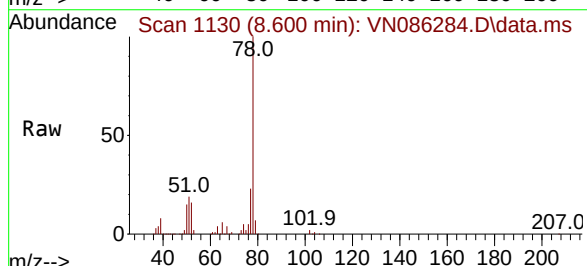
Acq: 15 Apr 2025 15:30

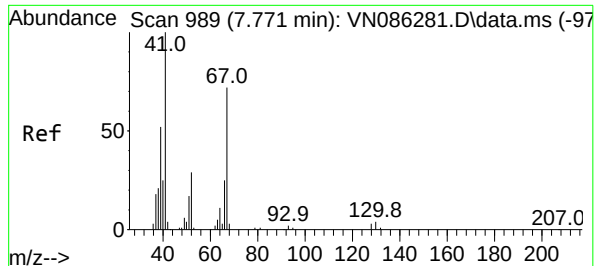
Tgt Ion: 78 Resp: 610128

Ion Ratio Lower Upper

78 100

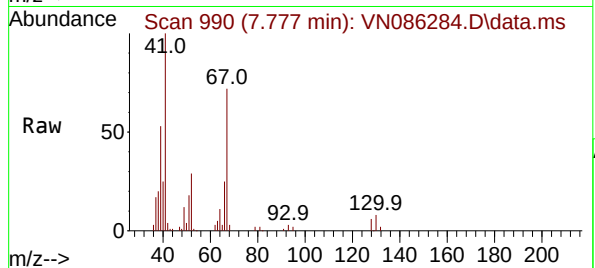
77 23.3 19.4 29.2





#41
Methacrylonitrile
Concen: 45.892 ug/l
RT: 7.777 min Scan# 911
Delta R.T. 0.006 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

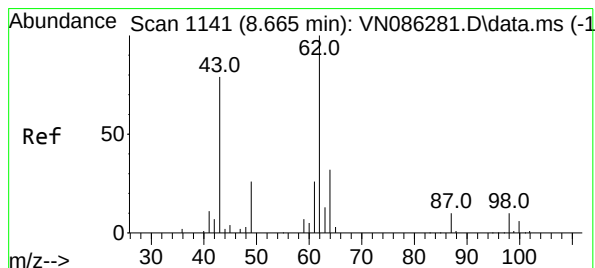
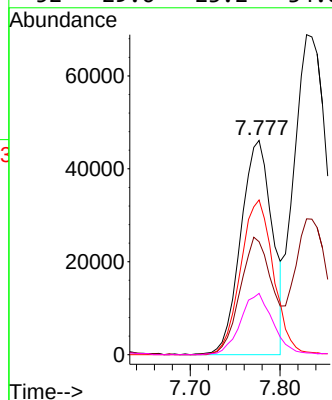
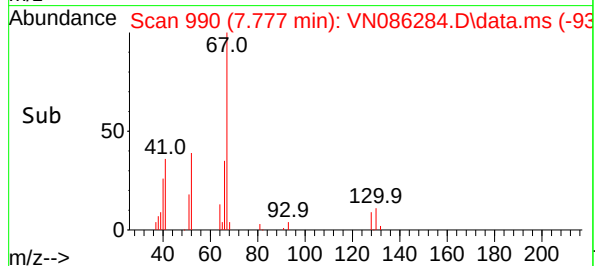
Instrument :
MSVOA_N
Client Sample Id :
ICVVN041525



Tgt Ion: 41 Resp: 113052
Ion Ratio Lower Upper
41 100
39 54.9 43.0 64.4
67 75.1 58.8 88.2
52 29.6 23.2 34.8

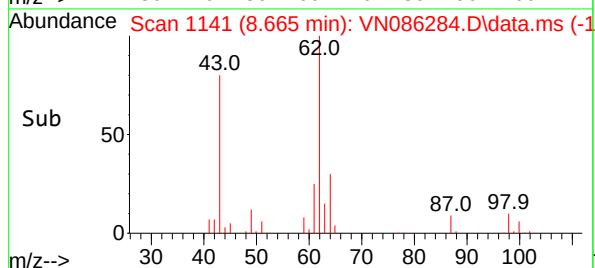
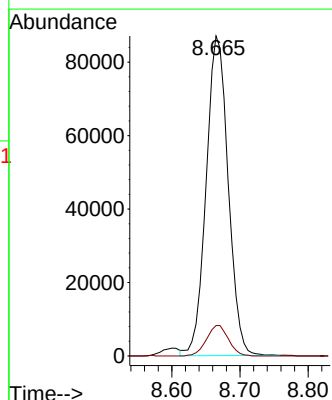
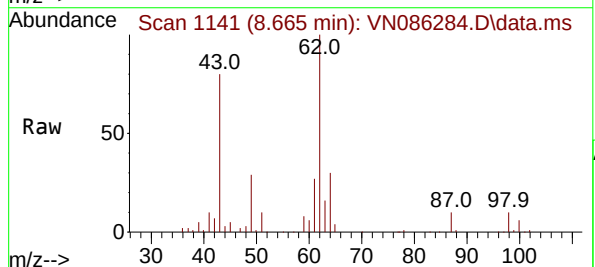
Manual Integrations
APPROVED

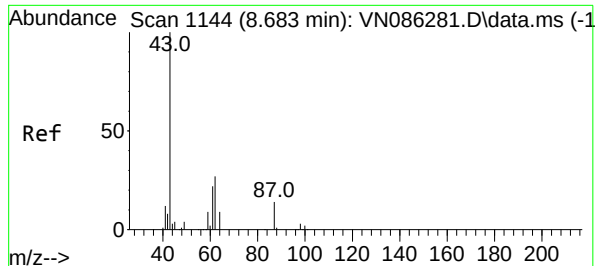
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#42
1,2-Dichloroethane
Concen: 47.496 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

Tgt Ion: 62 Resp: 195922
Ion Ratio Lower Upper
62 100
98 9.5 0.0 19.2





#43

Isopropyl Acetate

Concen: 48.649 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.001 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041525

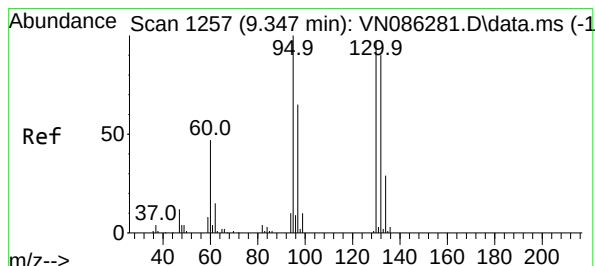
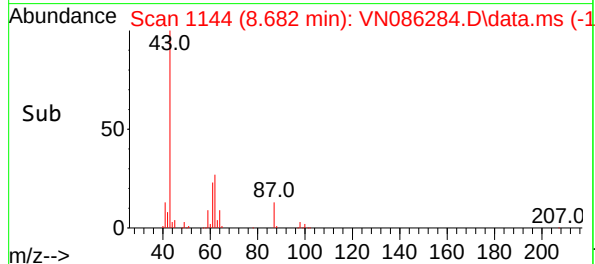
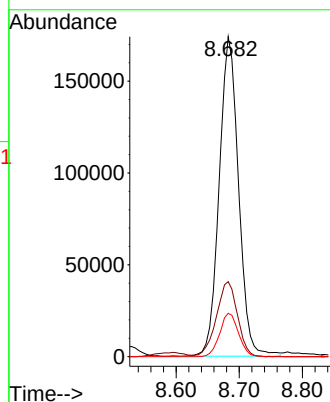
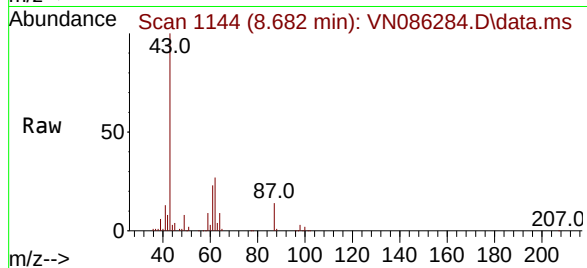
Tgt Ion:	43	Resp:	370579
Ion	Ratio	Lower	Upper
43	100		
61	25.6	20.5	30.7
87	13.2	10.5	15.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#44

Trichloroethene

Concen: 47.403 ug/l

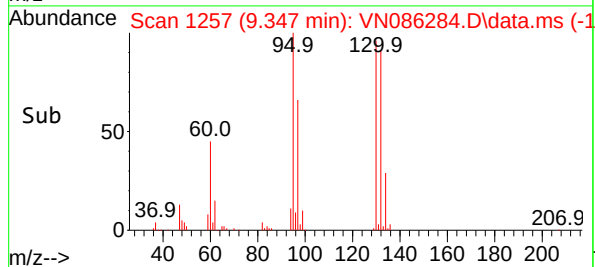
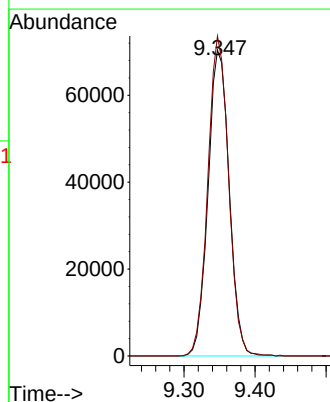
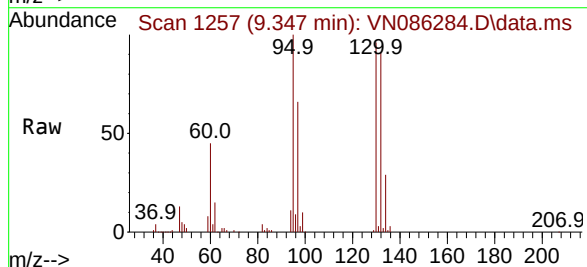
RT: 9.347 min Scan# 1257

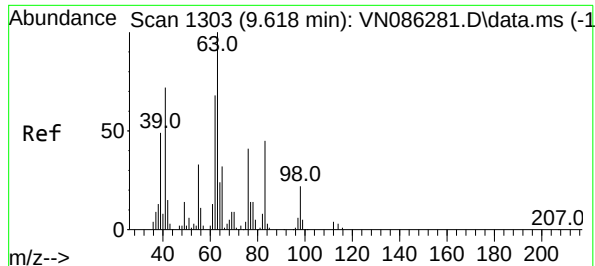
Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

Tgt Ion:	130	Resp:	145334
Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	207.2





#45

1,2-Dichloropropane

Concen: 47.302 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041525

Tgt Ion: 63 Resp: 149775

Ion Ratio Lower Upper

63 100

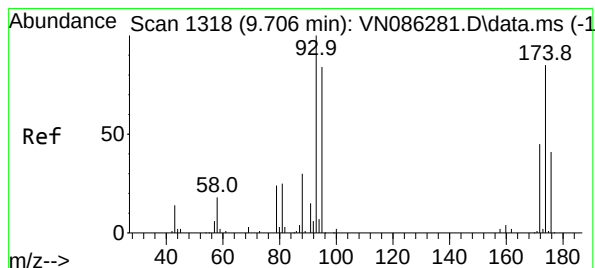
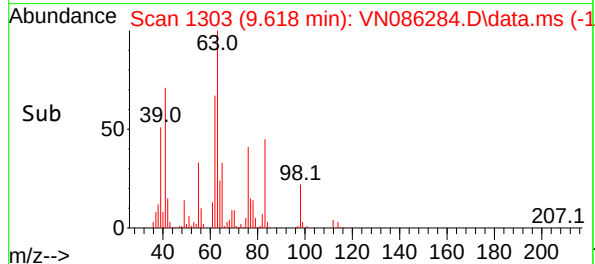
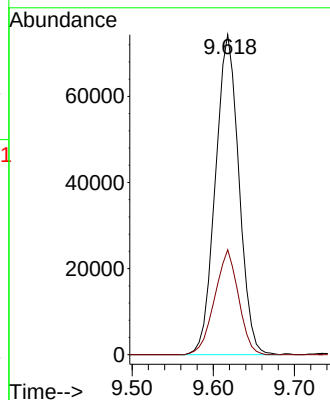
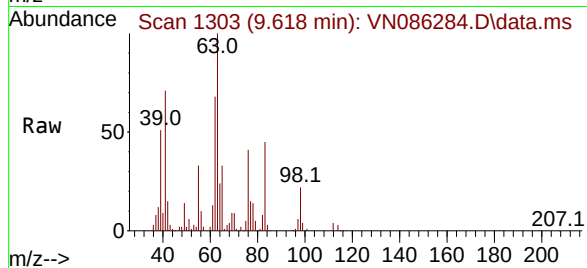
65 32.8 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#46

Dibromomethane

Concen: 48.772 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

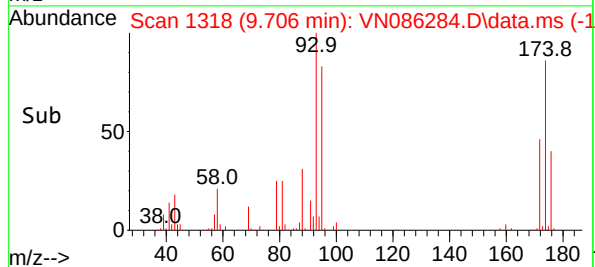
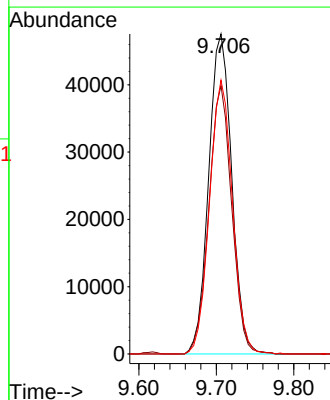
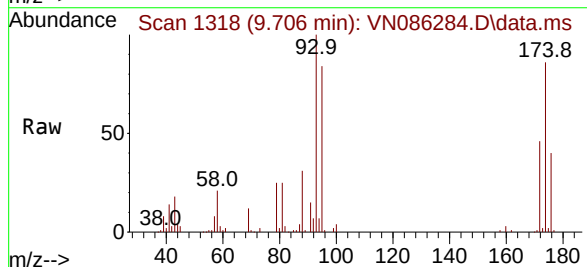
Tgt Ion: 93 Resp: 98395

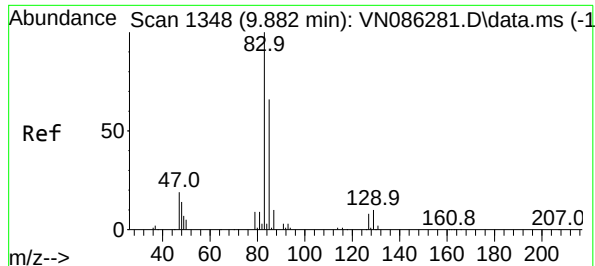
Ion Ratio Lower Upper

93 100

95 82.9 66.2 99.4

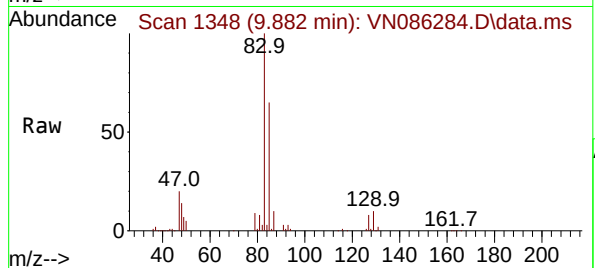
174 85.1 67.8 101.6





#47
Bromodichloromethane
Concen: 47.682 ug/l
RT: 9.882 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

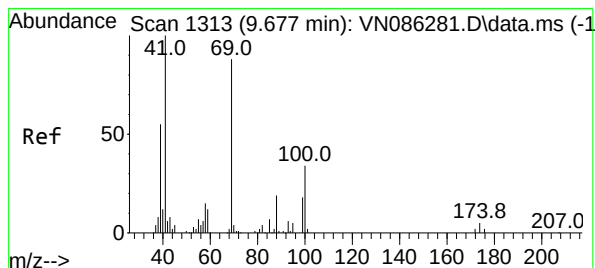
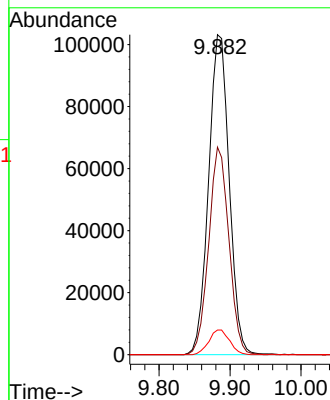
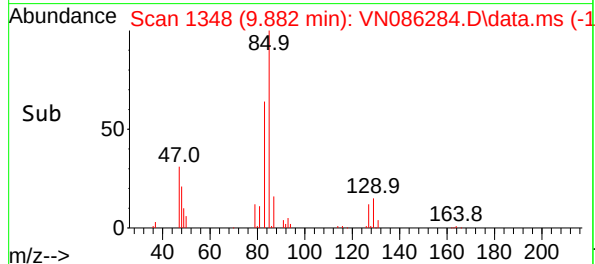
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525



Tgt Ion: 83 Resp: 20776
Ion Ratio Lower Upper
83 100
85 64.9 52.6 78.8
127 7.7 6.1 9.1

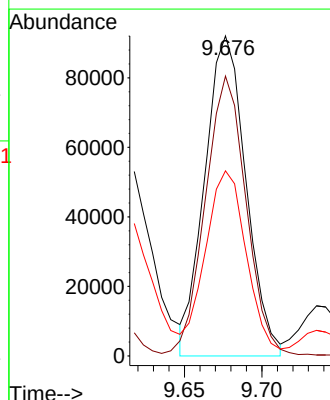
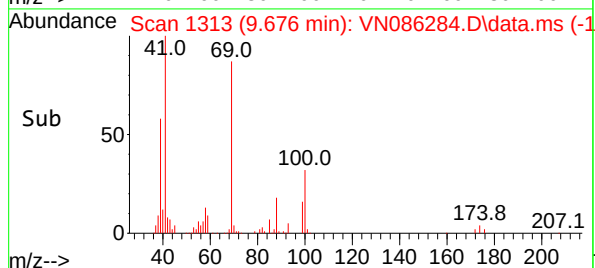
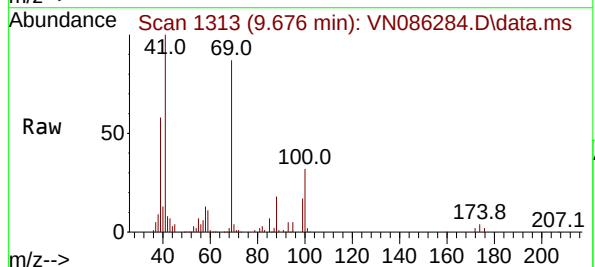
Manual Integrations
APPROVED

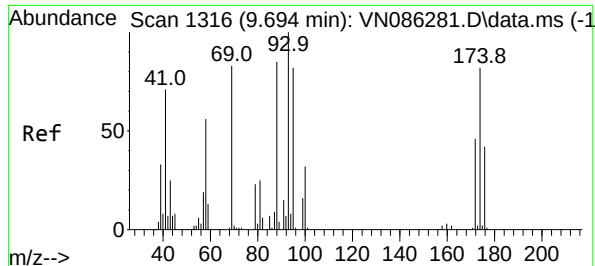
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#48
Methyl methacrylate
Concen: 45.546 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

Tgt Ion: 41 Resp: 170007
Ion Ratio Lower Upper
41 100
69 87.5 68.2 102.2
39 58.2 45.2 67.8





#49

1,4-Dioxane

Concen: 929.893 ug/l

RT: 9.688 min Scan# 1316

Delta R.T. -0.006 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041525

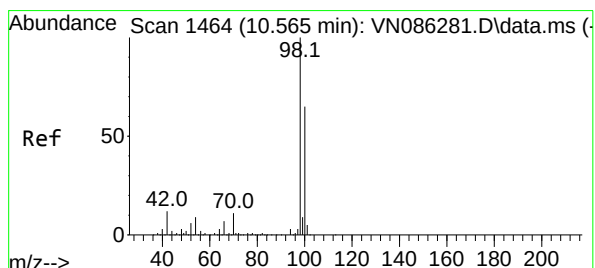
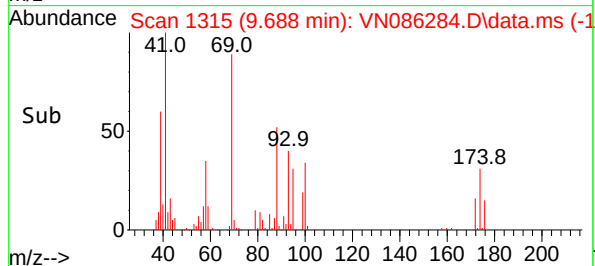
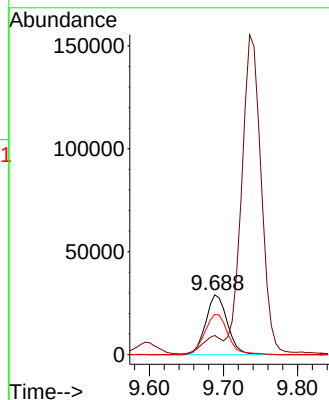
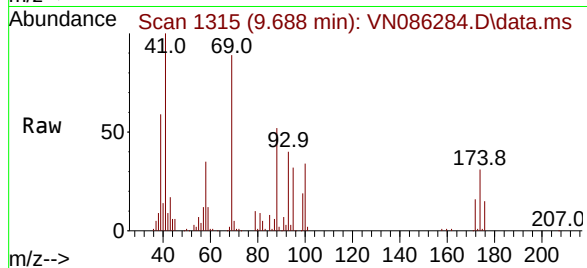
Tgt Ion	88	Resp	59040
Ion	Ratio	Lower	Upper
88	100		
43	27.8	23.8	35.8
58	72.2	57.4	86.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#50

Toluene-d8

Concen: 50.251 ug/l

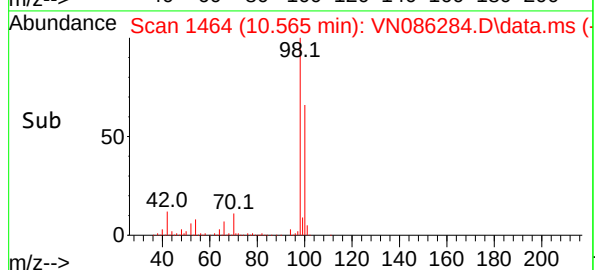
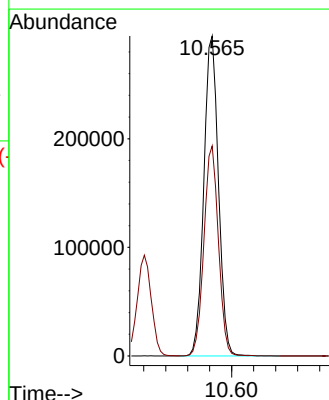
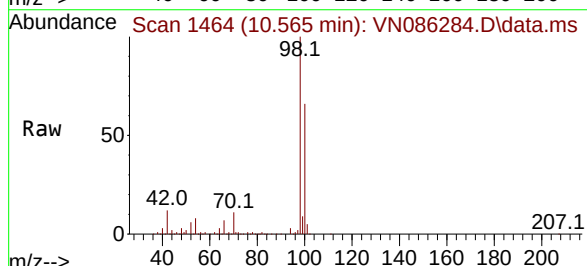
RT: 10.565 min Scan# 1464

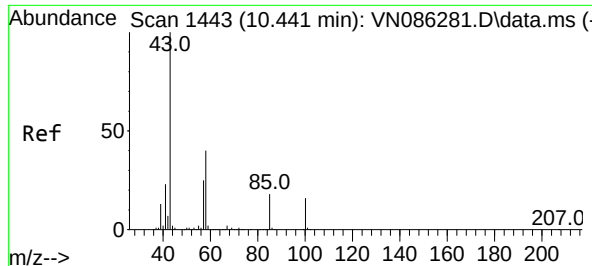
Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

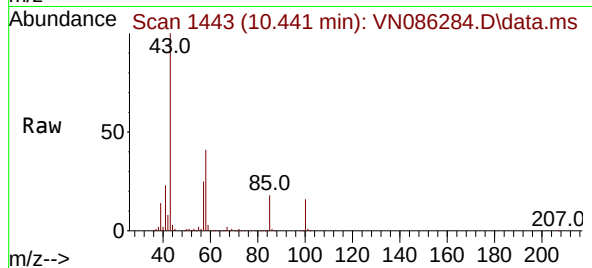
Tgt Ion	98	Resp	542858
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.5	78.7





#51
4-Methyl-2-Pentanone
Concen: 238.220 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

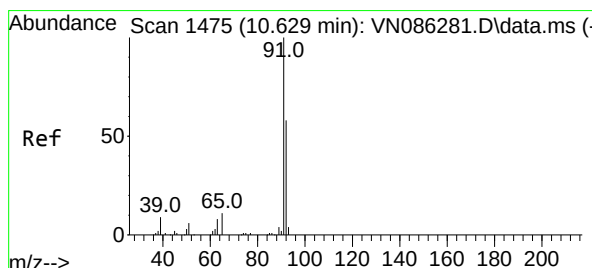
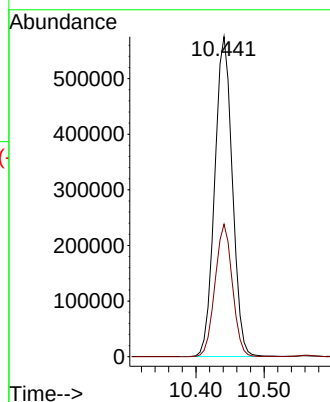
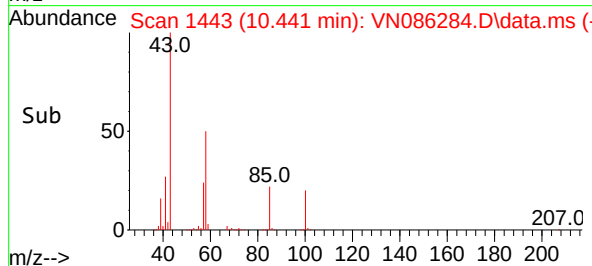
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525



Tgt Ion: 43 Resp: 1036849
Ion Ratio Lower Upper
43 100
58 40.8 32.2 48.4

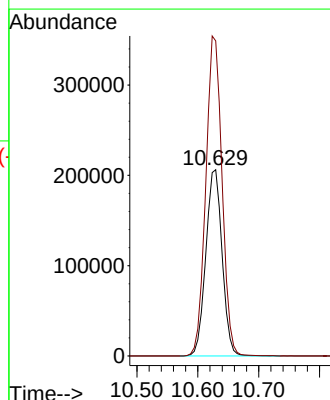
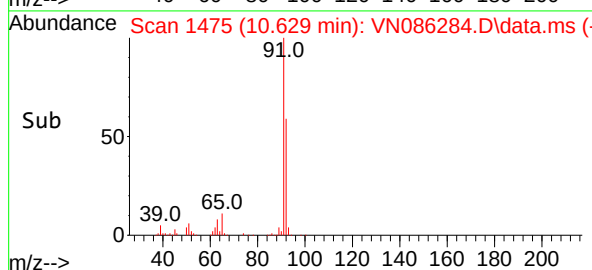
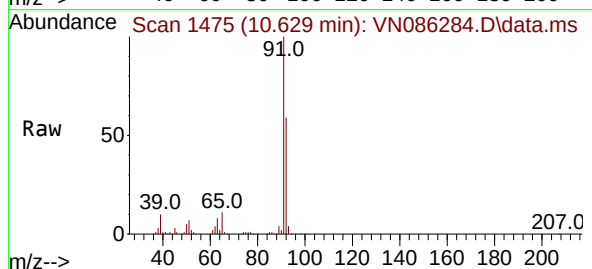
Manual Integrations
APPROVED

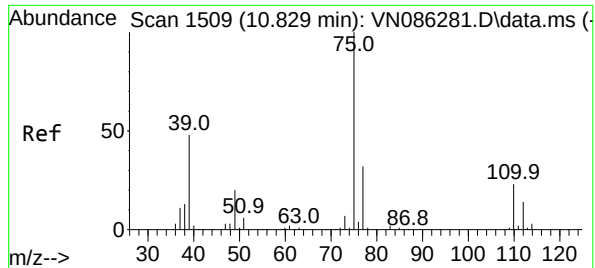
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#52
Toluene
Concen: 47.453 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

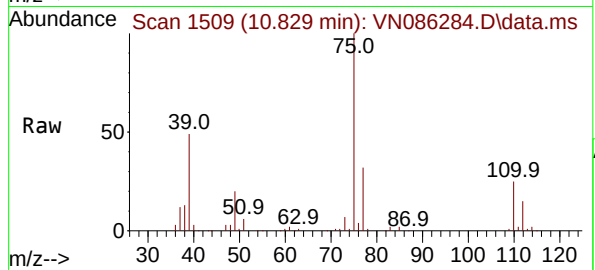
Tgt Ion: 92 Resp: 383010
Ion Ratio Lower Upper
92 100
91 171.3 137.3 205.9





#53
t-1,3-Dichloropropene
Concen: 48.360 ug/l
RT: 10.829 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

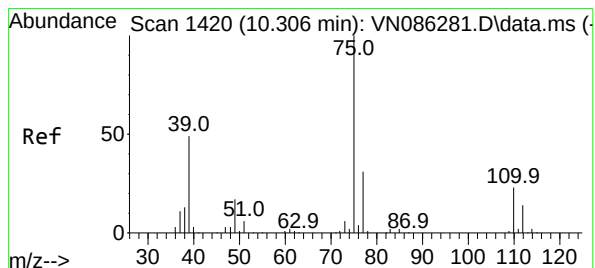
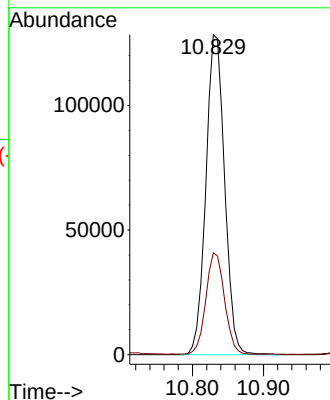
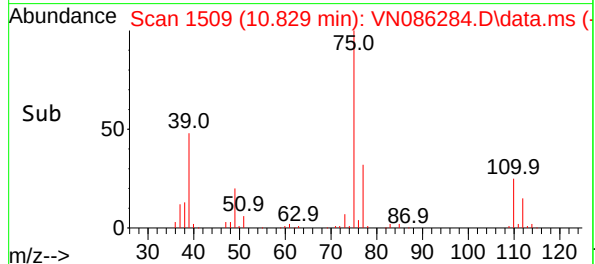
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525



Tgt Ion: 75 Resp: 23522
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0

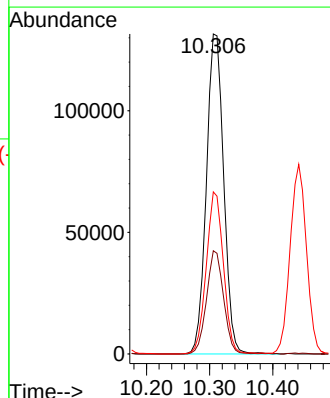
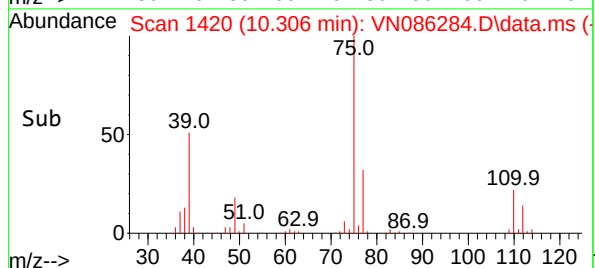
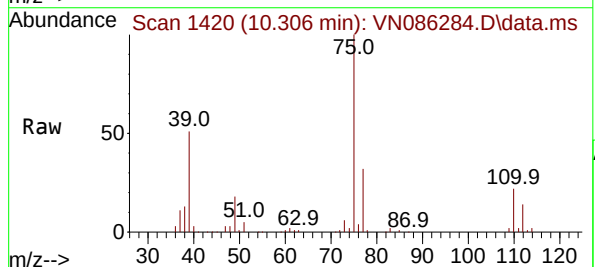
Manual Integrations
APPROVED

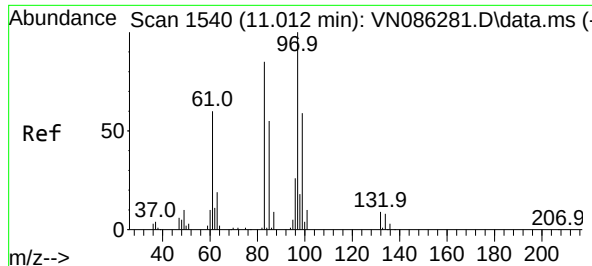
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#54
cis-1,3-Dichloropropene
Concen: 46.923 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

Tgt Ion: 75 Resp: 250676
Ion Ratio Lower Upper
75 100
77 32.3 25.2 37.8
39 50.7 39.3 58.9





#55

1,1,2-Trichloroethane

Concen: 46.911 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041525

Tgt Ion: 97 Resp: 13622

Ion Ratio Lower Upper

97 100

83 87.9 68.4 102.6

85 56.5 43.9 65.9

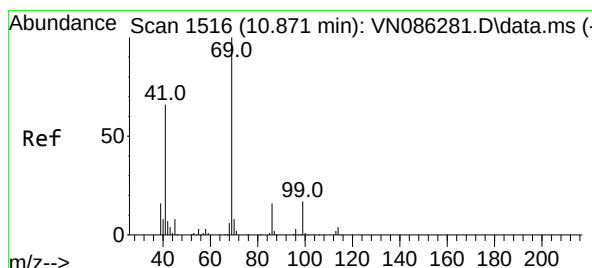
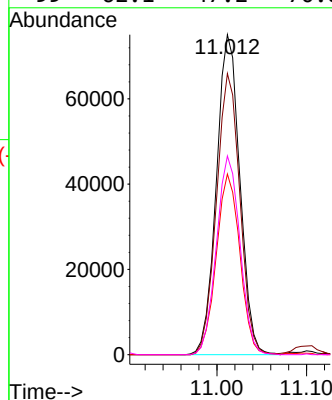
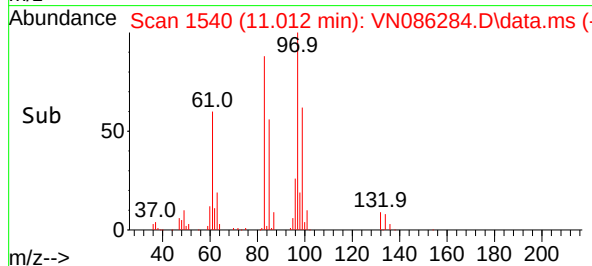
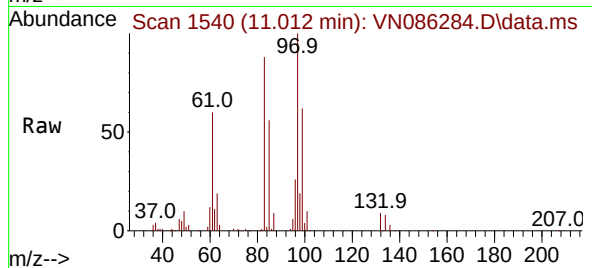
99 62.1 47.2 70.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#56

Ethyl methacrylate

Concen: 47.414 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

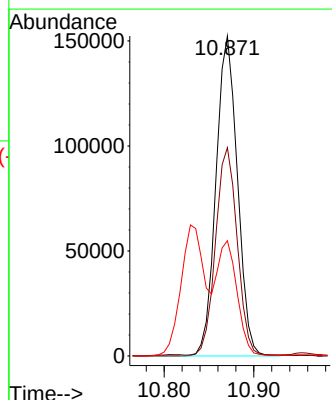
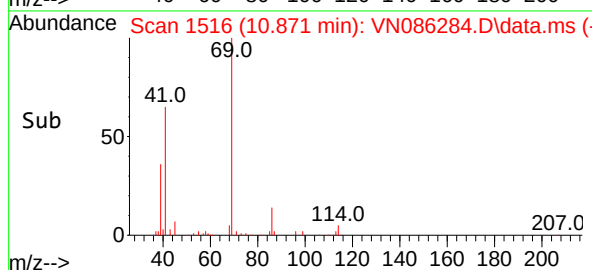
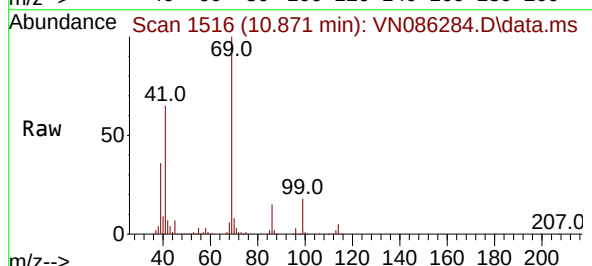
Tgt Ion: 69 Resp: 253092

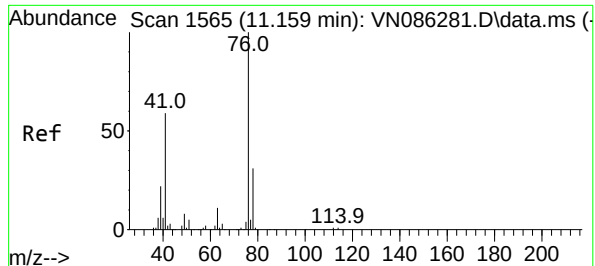
Ion Ratio Lower Upper

69 100

41 65.3 51.7 77.5

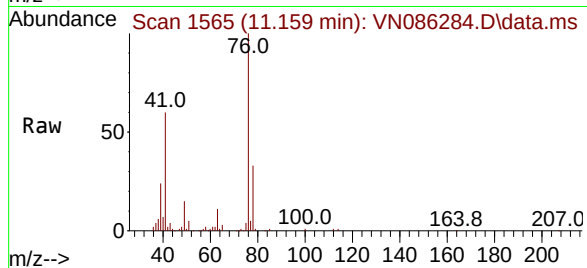
39 33.1 26.3 39.5





#57
1,3-Dichloropropane
Concen: 47.770 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

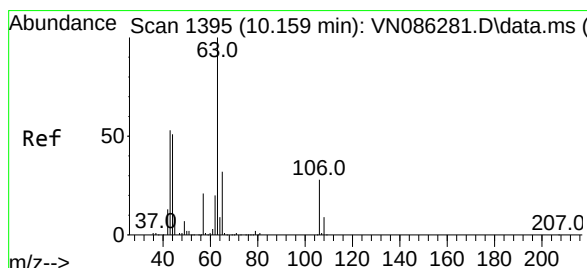
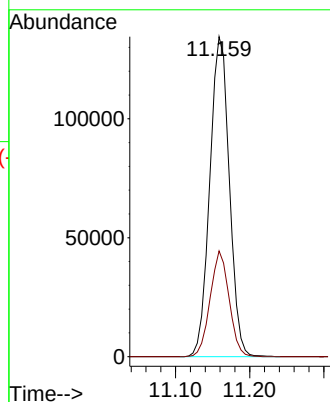
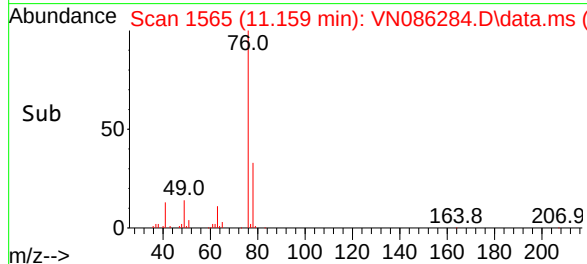
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525



Tgt Ion: 76 Resp: 246129
Ion Ratio Lower Upper
76 100
78 32.0 25.6 38.4

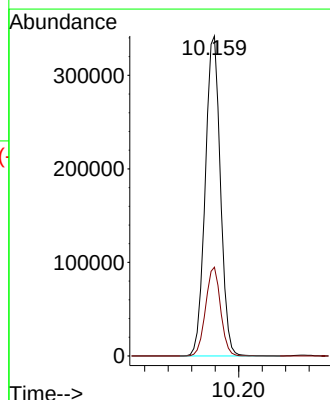
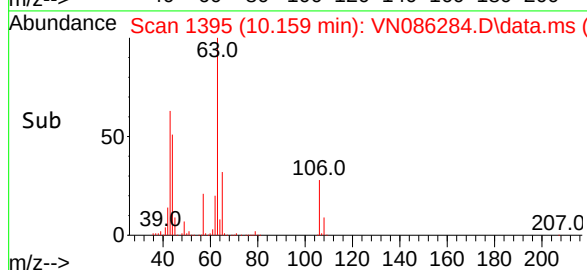
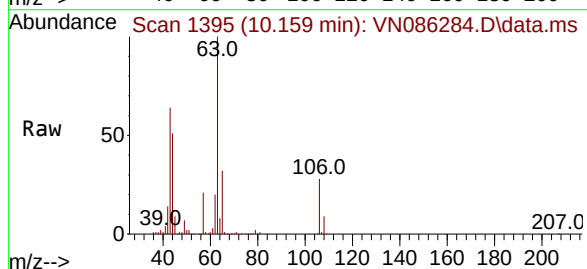
Manual Integrations
APPROVED

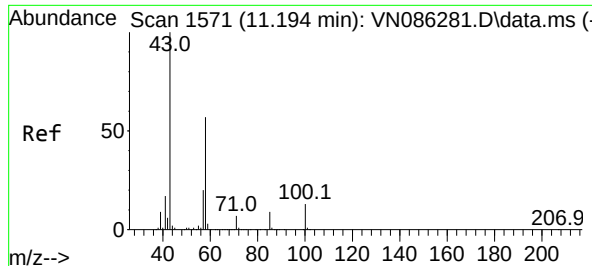
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#58
2-Chloroethyl Vinyl ether
Concen: 241.924 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

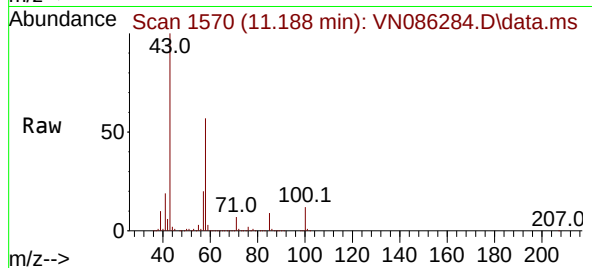
Tgt Ion: 63 Resp: 612932
Ion Ratio Lower Upper
63 100
106 27.4 22.2 33.2





#59
2-Hexanone
Concen: 235.364 ug/l
RT: 11.188 min Scan# 1570
Delta R.T. -0.006 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

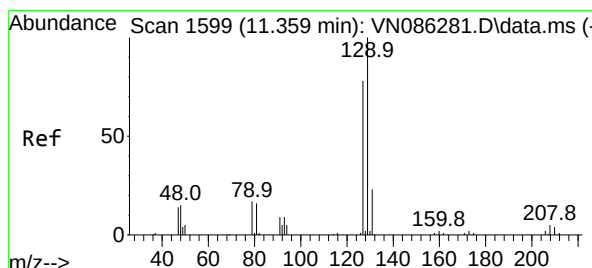
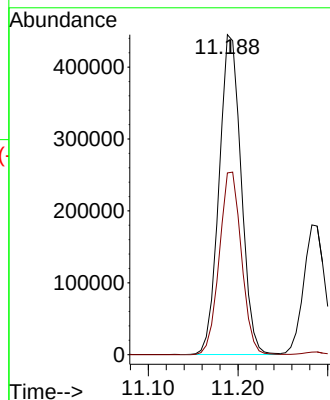
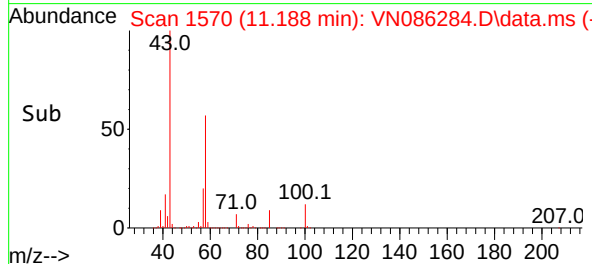
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525



Tgt Ion: 43 Resp: 759840
Ion Ratio Lower Upper
43 100
58 57.3 28.3 85.0

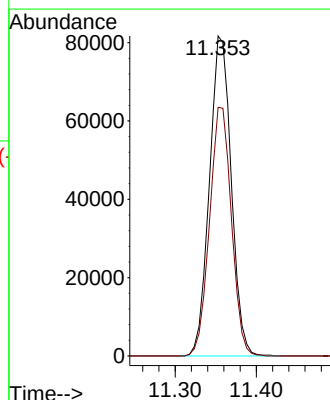
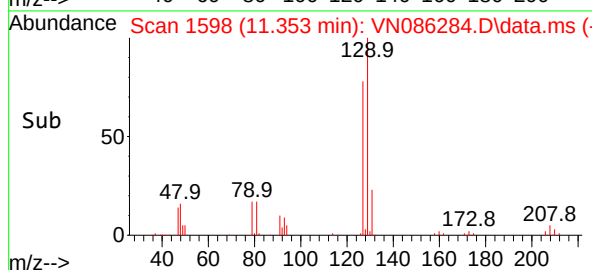
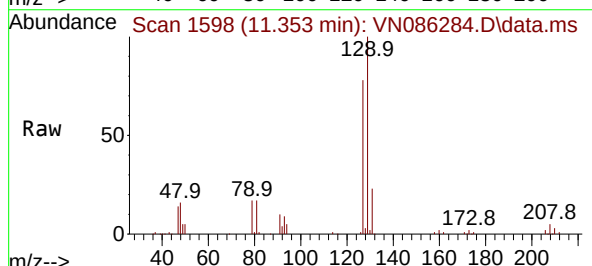
Manual Integrations
APPROVED

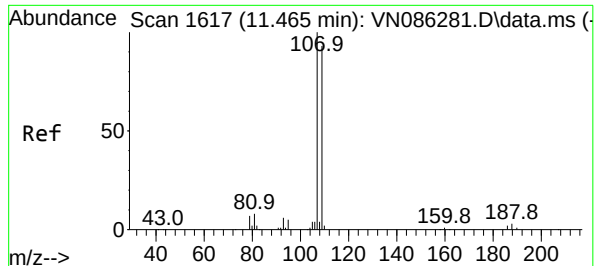
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#60
Dibromochloromethane
Concen: 47.767 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

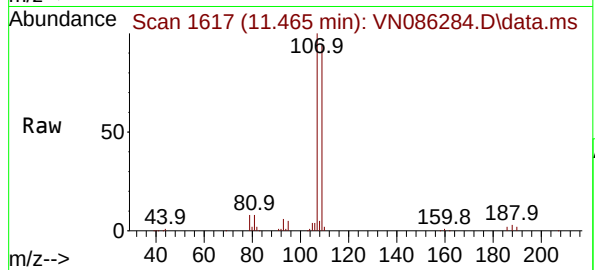
Tgt Ion:129 Resp: 152321
Ion Ratio Lower Upper
129 100
127 77.9 38.7 116.1





#61
1,2-Dibromoethane
Concen: 47.777 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

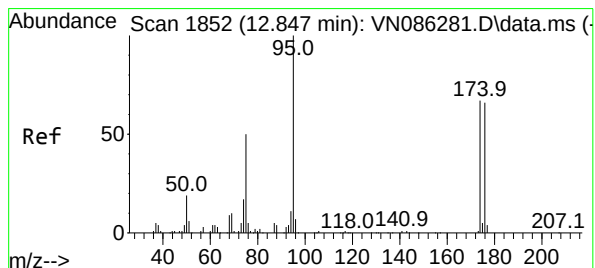
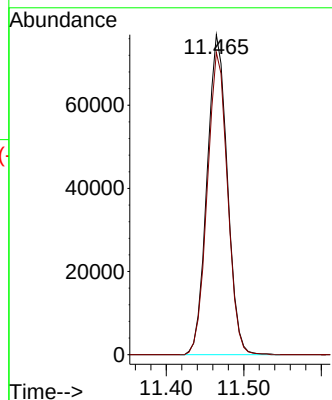
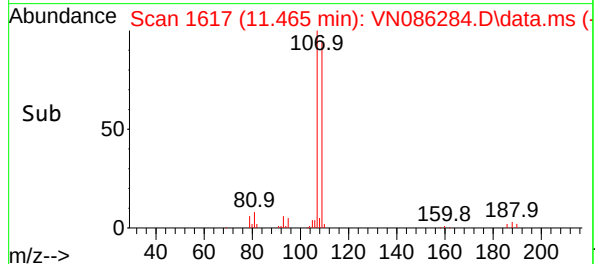
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525



Tgt Ion:107 Resp: 139994
Ion Ratio Lower Upper
107 100
109 94.1 75.4 113.0

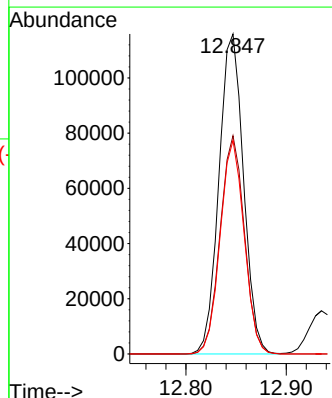
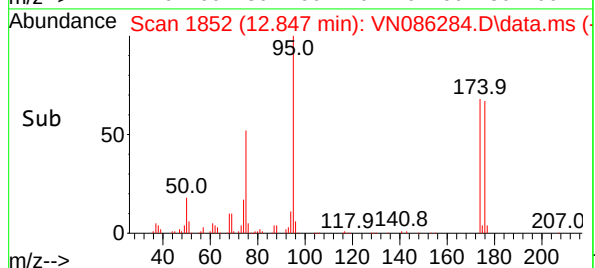
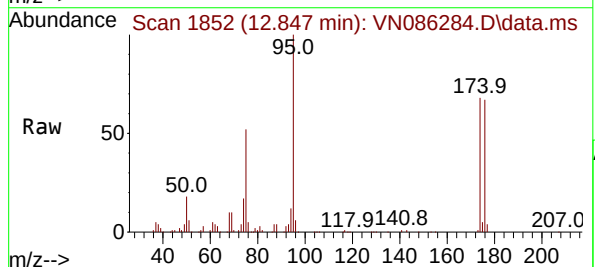
Manual Integrations
APPROVED

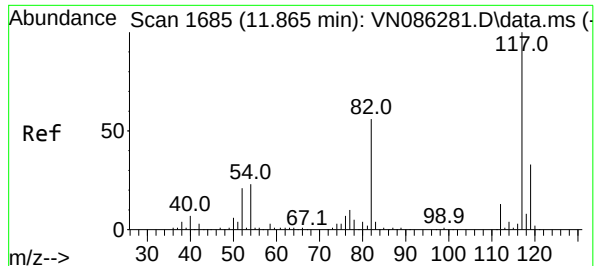
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#62
4-Bromofluorobenzene
Concen: 49.950 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

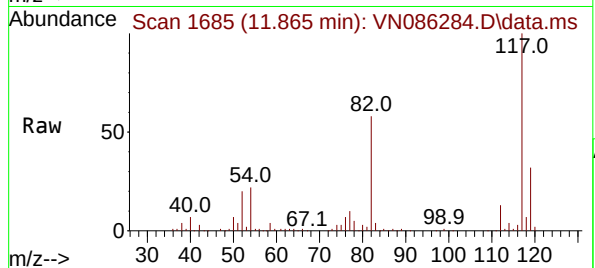
Tgt Ion: 95 Resp: 196820
Ion Ratio Lower Upper
95 100
174 67.3 0.0 133.4
176 65.1 0.0 129.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

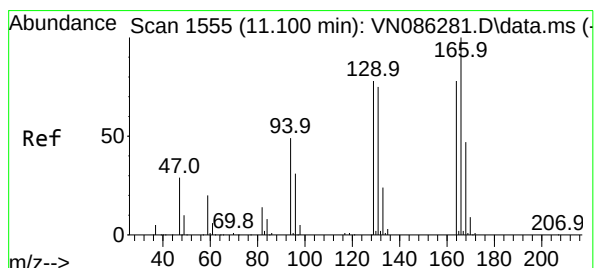
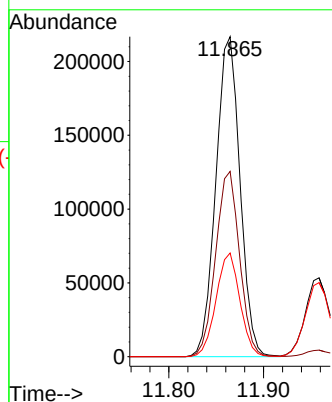
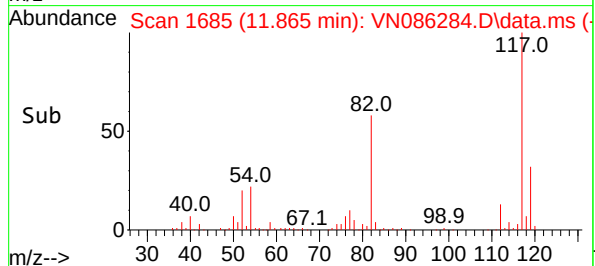
Instrument :
MSVOA_N
ClientSampleId :
ICNVN041525



Tgt Ion:117 Resp: 38460
Ion Ratio Lower Upper
117 100
82 57.9 44.7 67.1
119 32.4 26.4 39.6

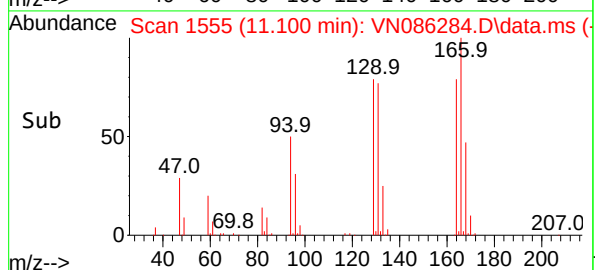
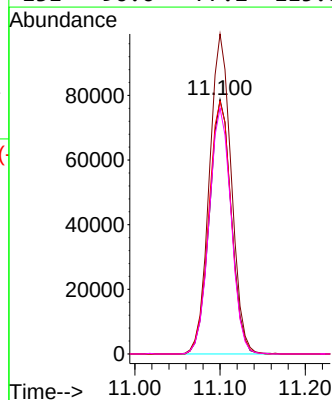
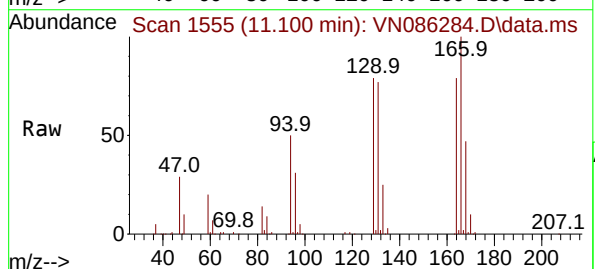
Manual Integrations
APPROVED

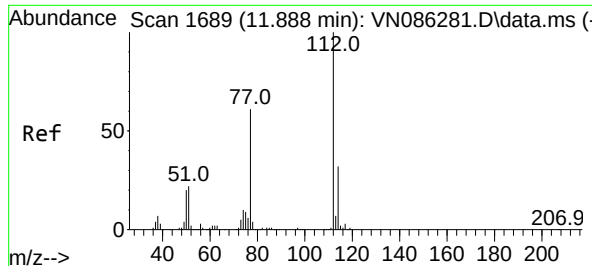
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#64
Tetrachloroethene
Concen: 47.439 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

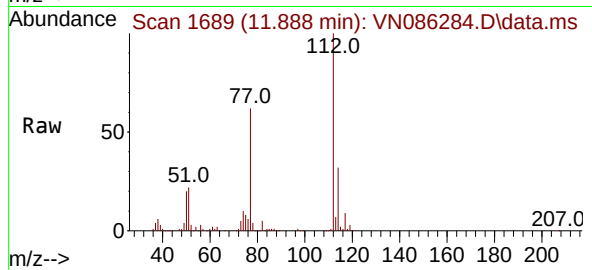
Tgt Ion:164 Resp: 140342
Ion Ratio Lower Upper
164 100
166 125.8 103.0 154.4
129 99.3 80.1 120.1
131 96.6 77.2 115.8





#65
Chlorobenzene
Concen: 46.735 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

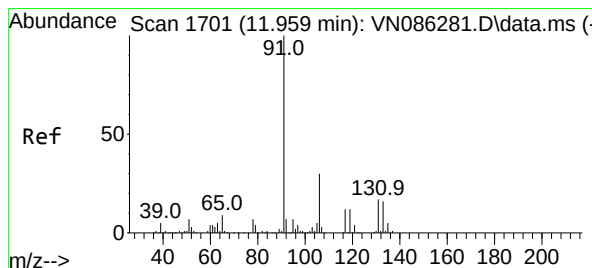
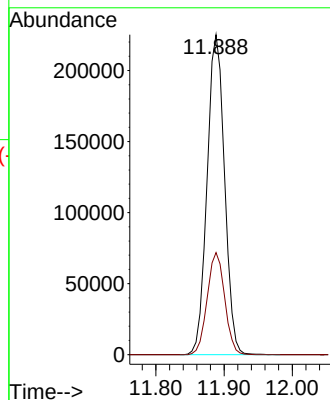
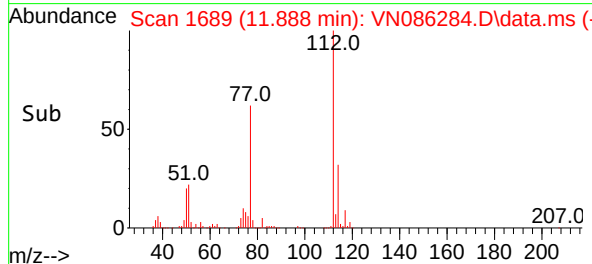
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525



Tgt Ion:112 Resp: 40112
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0

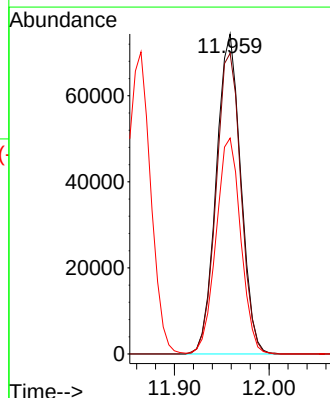
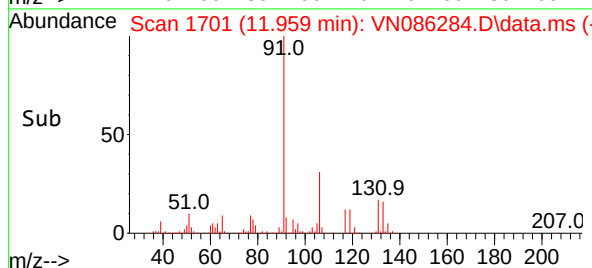
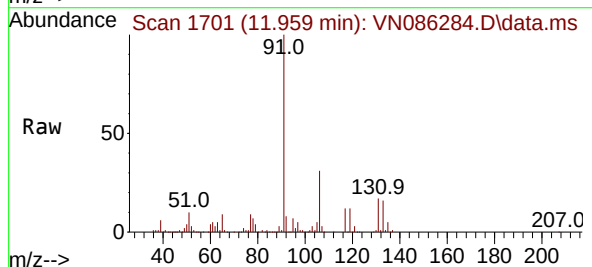
Manual Integrations
APPROVED

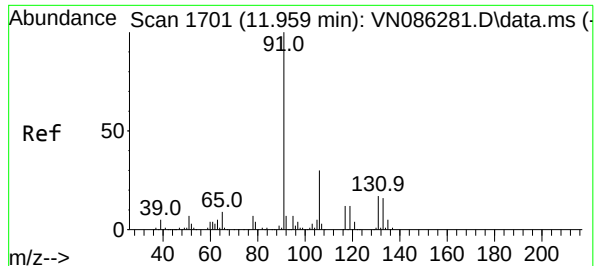
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 47.238 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

Tgt Ion:131 Resp: 133755
Ion Ratio Lower Upper
131 100
133 95.3 47.1 141.3
119 68.1 33.8 101.4





#67

Ethyl Benzene

Concen: 47.196 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

Instrument :

MSVOA_N

ClientSampleId :

ICV041525

Tgt Ion: 91 Resp: 730984

Ion Ratio Lower Upper

91 100

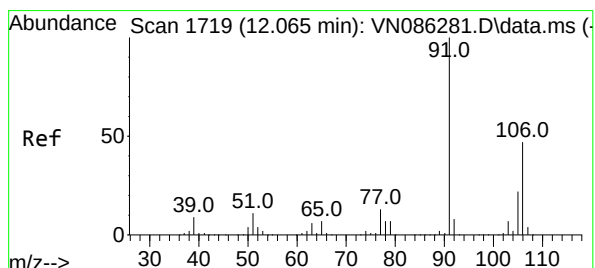
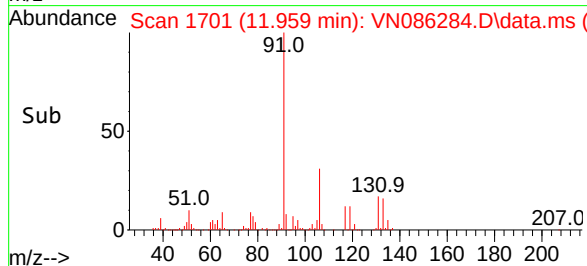
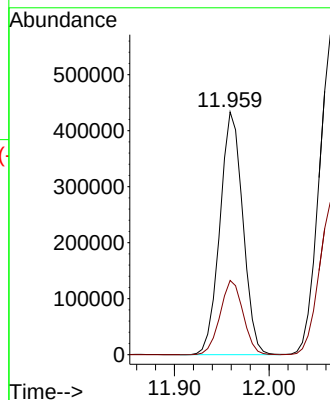
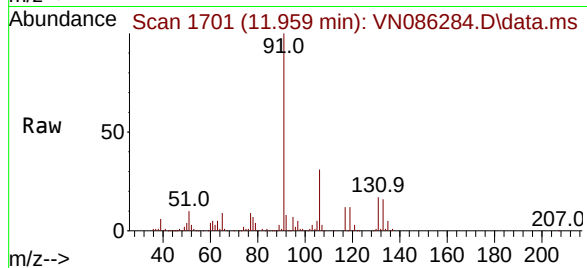
106 30.6 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#68

m/p-Xylenes

Concen: 94.994 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. 0.006 min

Lab File: VN086284.D

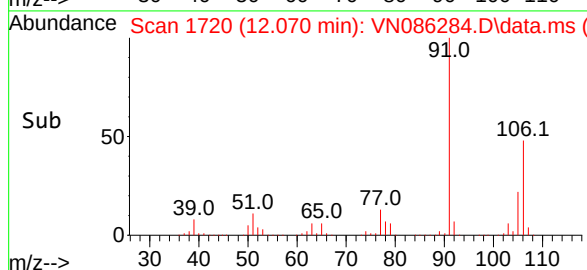
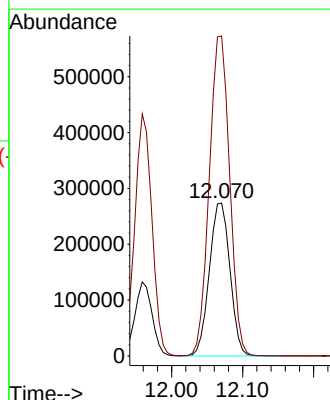
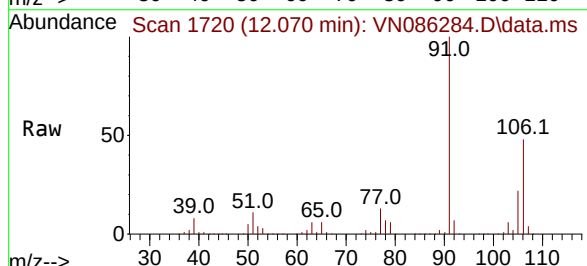
Acq: 15 Apr 2025 15:30

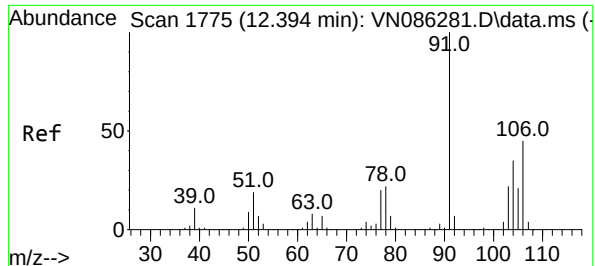
Tgt Ion:106 Resp: 551289

Ion Ratio Lower Upper

106 100

91 207.6 166.5 249.7





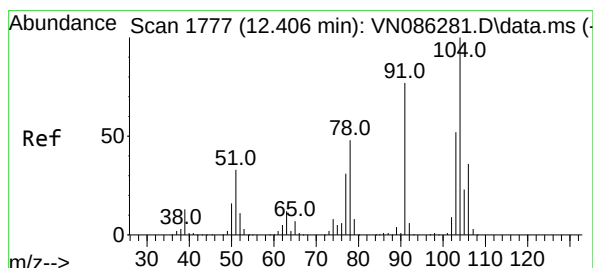
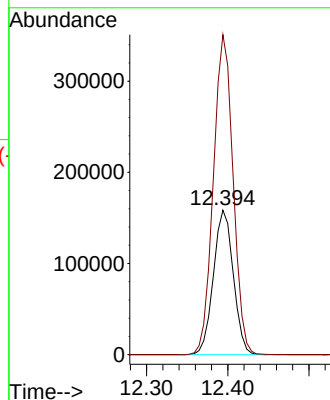
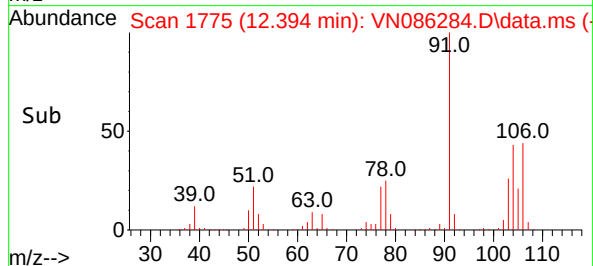
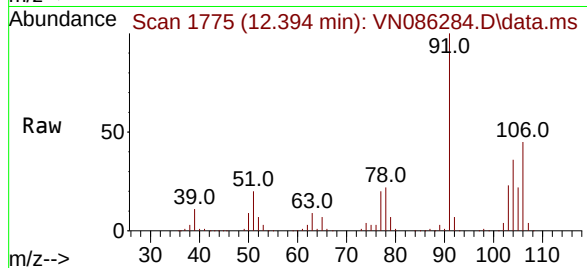
#69
o-Xylene
Concen: 47.043 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Tgt Ion:106 Resp: 269992
Ion Ratio Lower Upper
106 100
91 219.8 109.7 329.0

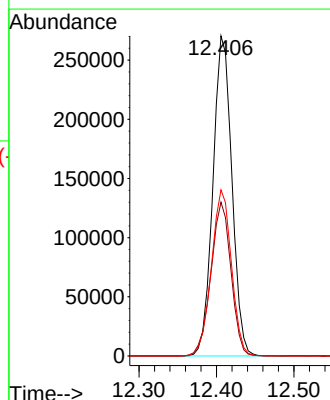
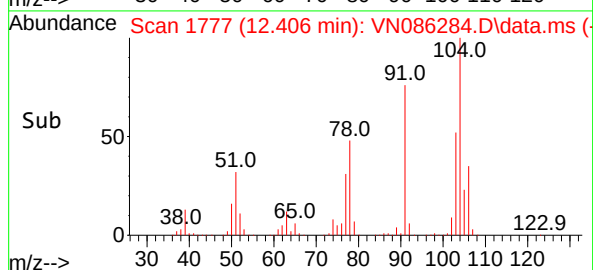
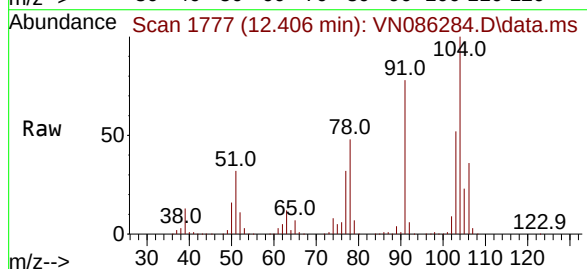
Manual Integrations
APPROVED

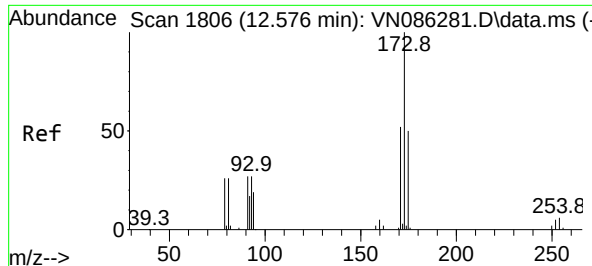
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#70
Styrene
Concen: 48.138 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

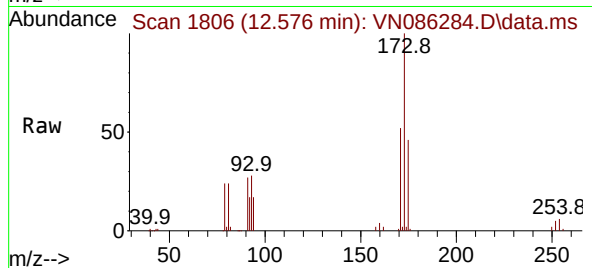
Tgt Ion:104 Resp: 460331
Ion Ratio Lower Upper
104 100
78 50.6 40.6 61.0
103 54.7 43.6 65.4





#71
Bromoform
Concen: 47.634 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

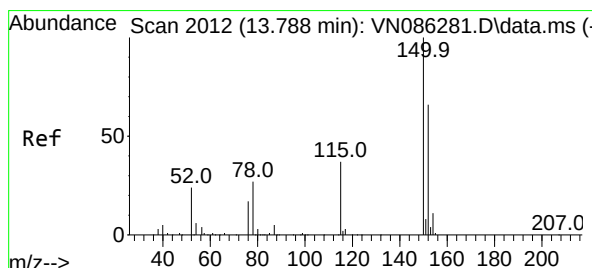
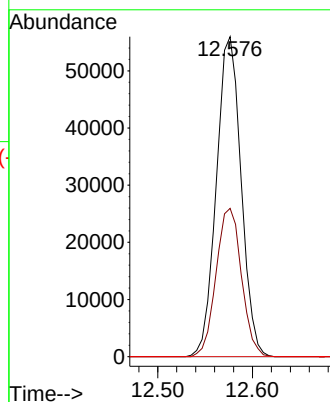
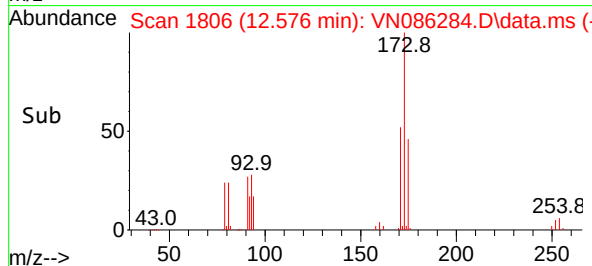
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525



Tgt Ion:173 Resp: 101548
Ion Ratio Lower Upper
173 100
175 47.6 24.6 73.6
254 0.0 0.0 0.0

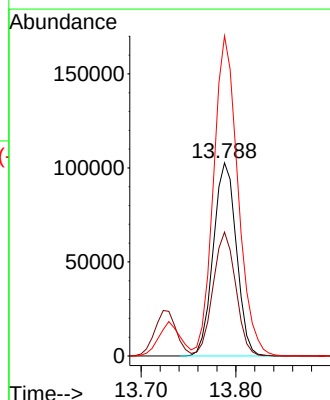
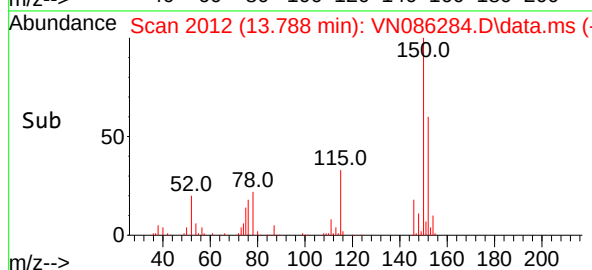
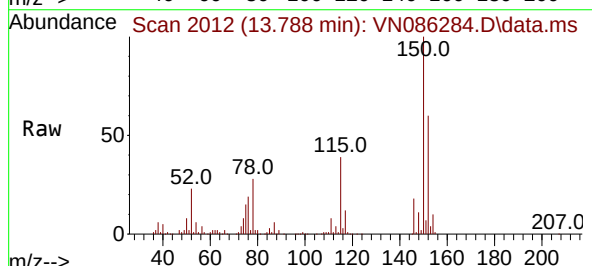
Manual Integrations
APPROVED

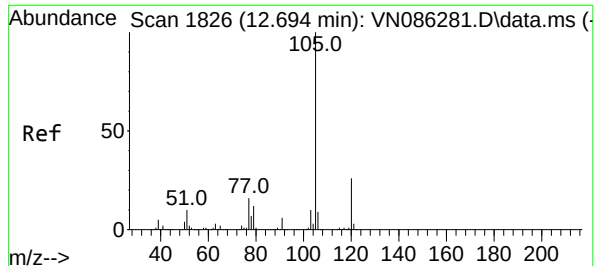
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

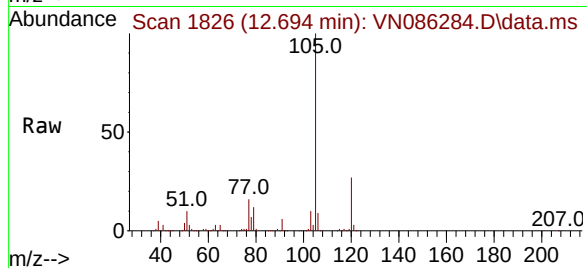
Tgt Ion:152 Resp: 173902
Ion Ratio Lower Upper
152 100
115 63.1 31.9 95.9
150 175.2 0.0 352.0





#73
Isopropylbenzene
Concen: 46.930 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

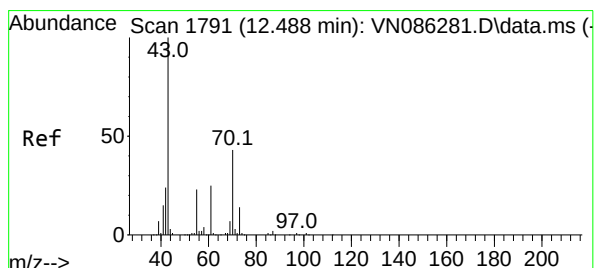
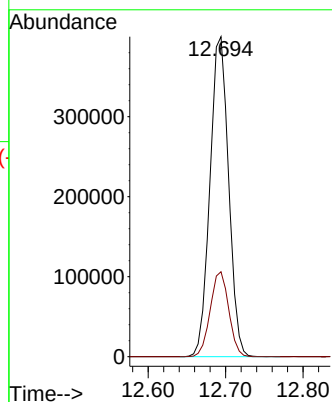
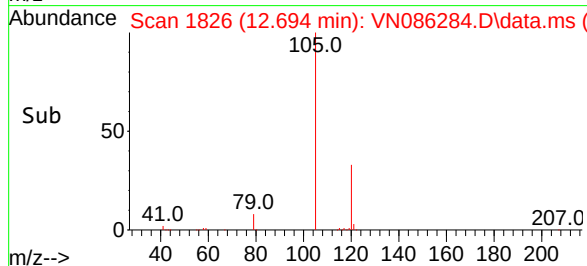
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525



Tgt Ion: 105 Resp: 667602
Ion Ratio Lower Upper
105 100
120 26.4 13.1 39.3

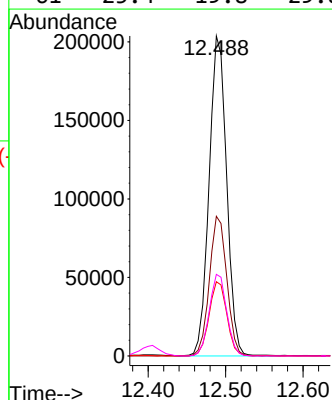
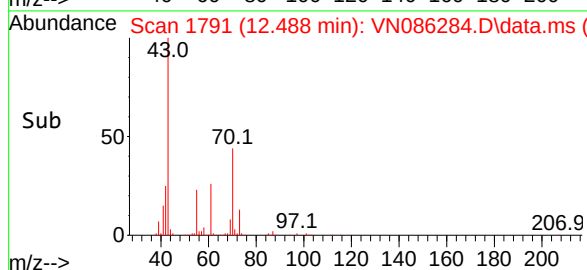
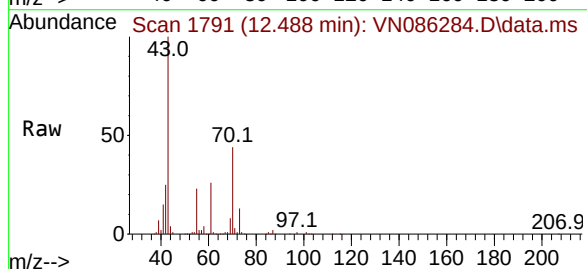
Manual Integrations
APPROVED

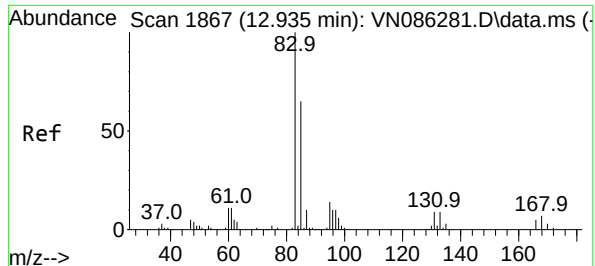
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#74
N-ethyl acetate
Concen: 45.241 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

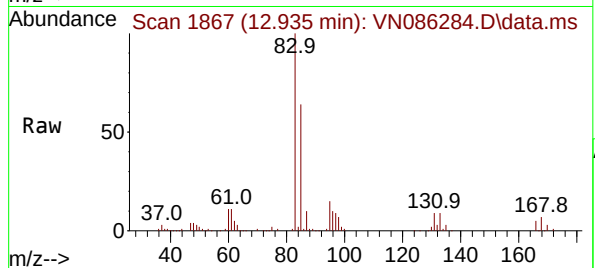
Tgt Ion: 43 Resp: 320394
Ion Ratio Lower Upper
43 100
70 43.4 35.0 52.4
55 23.5 19.0 28.4
61 25.4 19.8 29.8





#75
1,1,2,2-Tetrachloroethane
Concen: 45.501 ug/l
RT: 12.935 min Scan# 18611
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

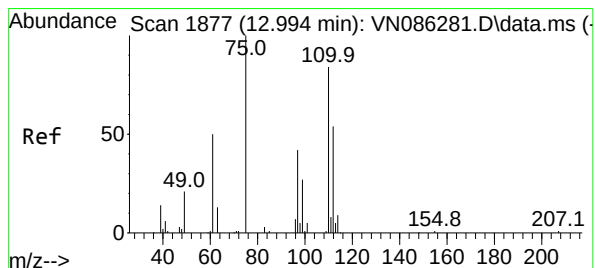
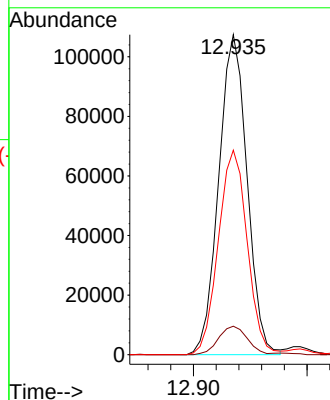
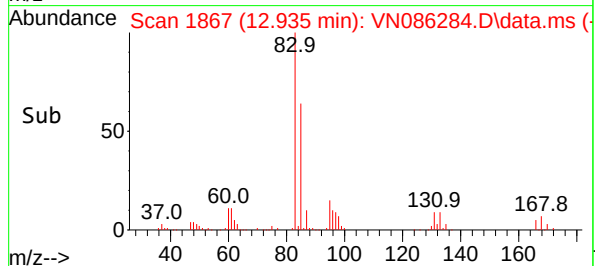
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525



Tgt Ion: 83 Resp: 18611
Ion Ratio Lower Upper
83 100
131 9.1 4.7 14.1
85 65.1 32.7 98.1

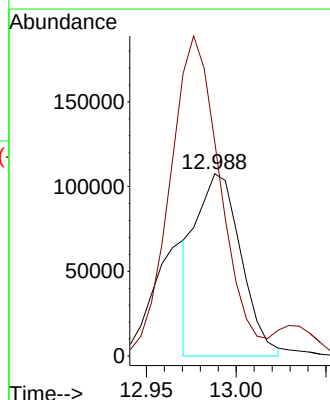
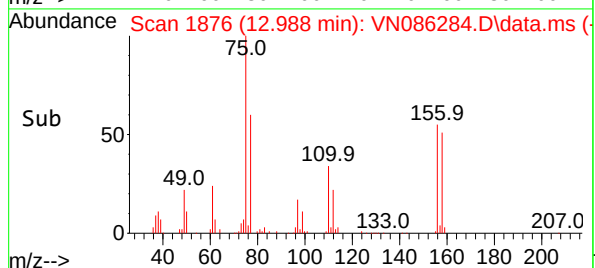
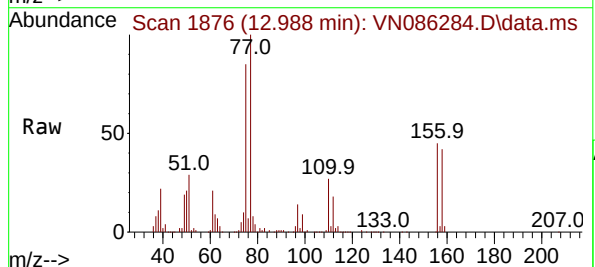
Manual Integrations
APPROVED

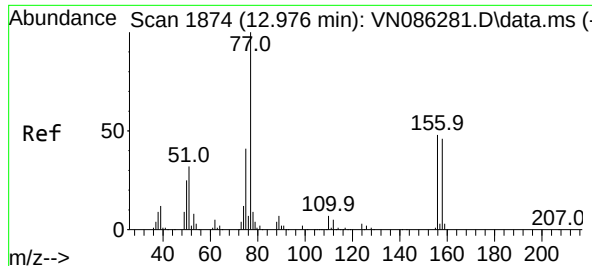
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#76
1,2,3-Trichloropropane
Concen: 45.680 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

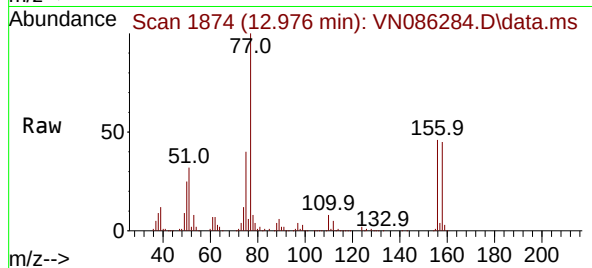
Tgt Ion: 75 Resp: 187464
Ion Ratio Lower Upper
75 100
77 197.7 98.8 296.4





#77
Bromobenzene
Concen: 47.860 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

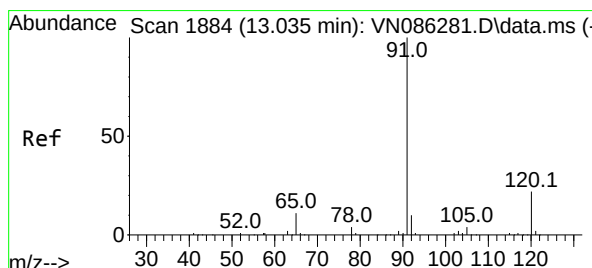
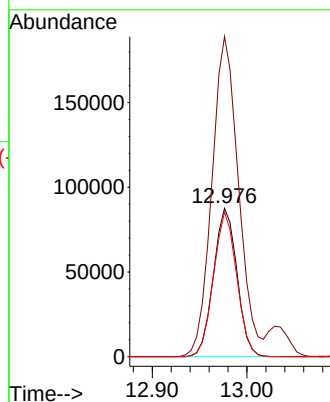
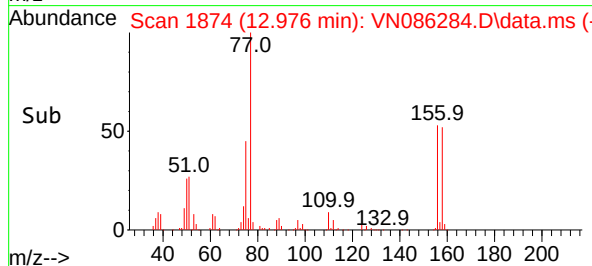
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525



Tgt Ion: 156 Resp: 150850
Ion Ratio Lower Upper
156 100
77 245.6 121.1 363.1
158 96.3 47.9 143.6

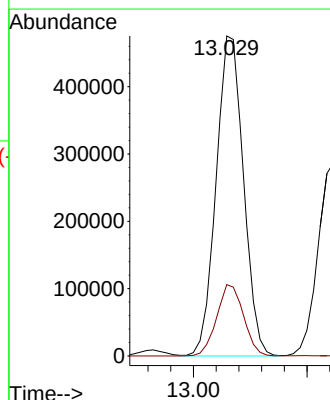
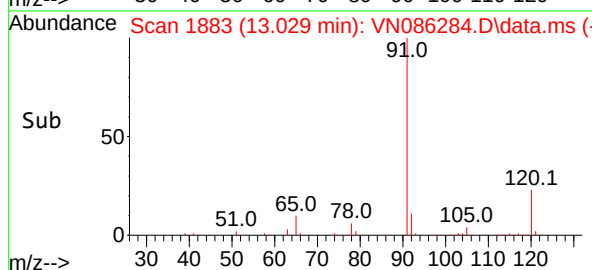
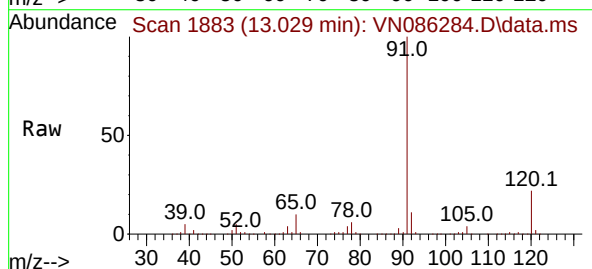
Manual Integrations
APPROVED

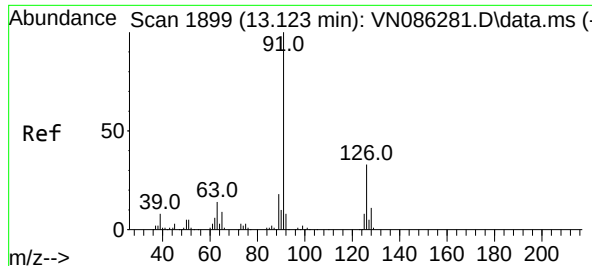
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#78
n-propylbenzene
Concen: 47.420 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

Tgt Ion: 91 Resp: 794892
Ion Ratio Lower Upper
91 100
120 21.8 11.1 33.3





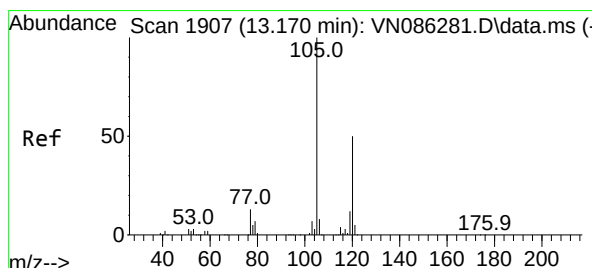
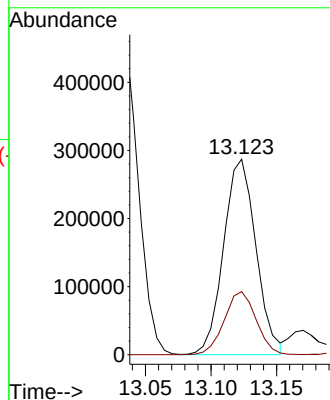
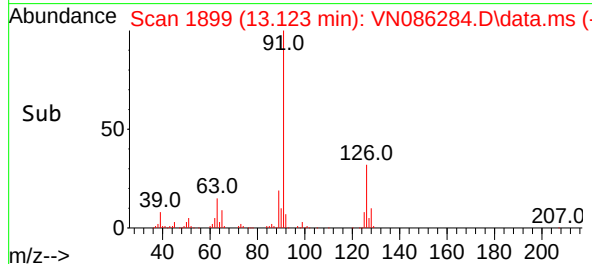
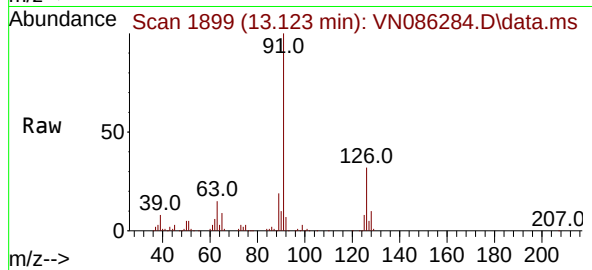
#79
2-Chlorotoluene
Concen: 47.012 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Tgt Ion: 91 Resp: 493124
Ion Ratio Lower Upper
91 100
126 31.8 16.1 48.2

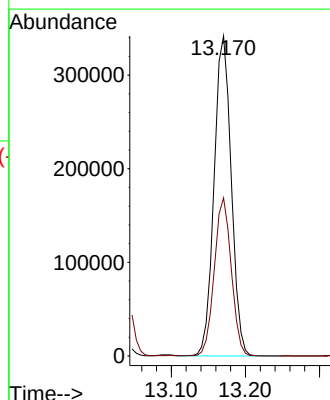
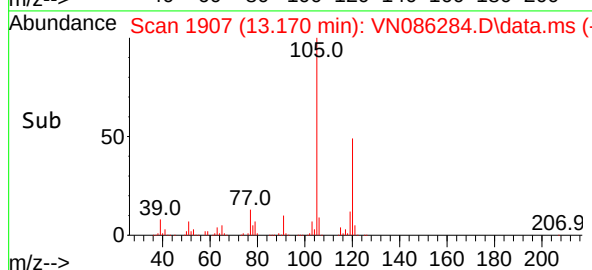
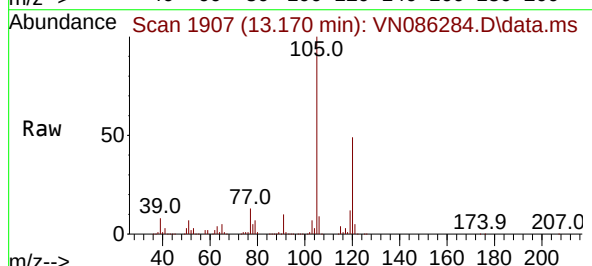
Manual Integrations
APPROVED

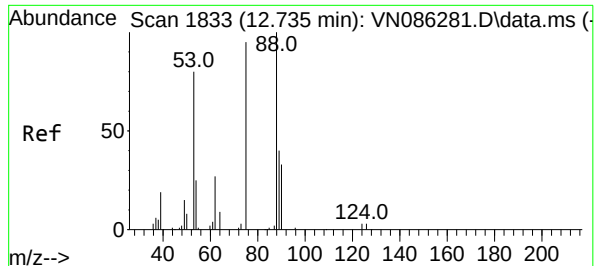
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#80
1,3,5-Trimethylbenzene
Concen: 47.241 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

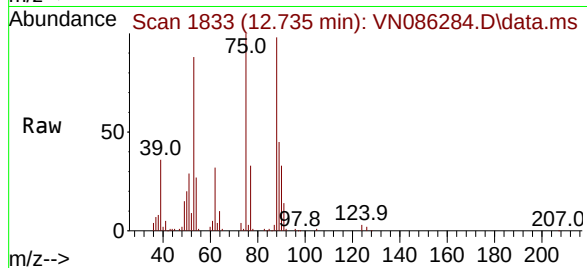
Tgt Ion:105 Resp: 550039
Ion Ratio Lower Upper
105 100
120 48.8 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 49.639 ug/l m
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

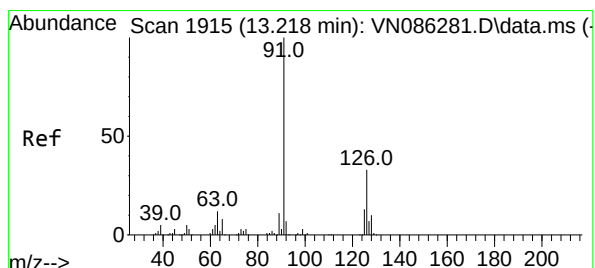
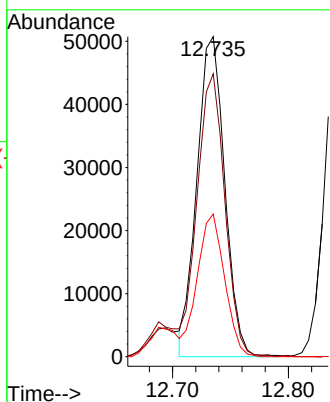
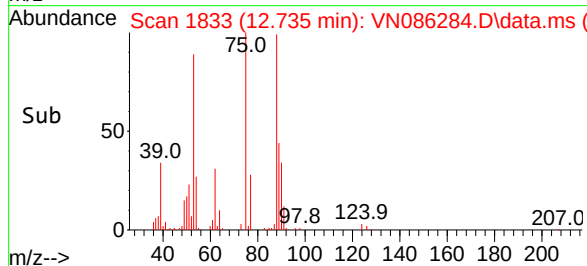
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525



Tgt Ion: 75 Resp: 8482
Ion Ratio Lower Upper
75 100
53 89.8 79.2 118.8
89 43.9 35.7 53.5

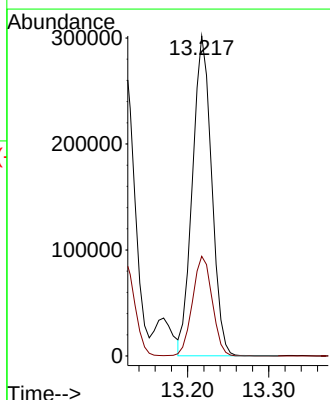
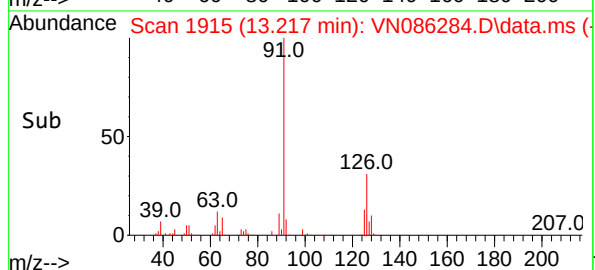
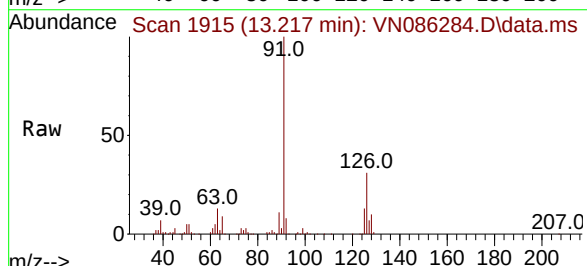
Manual Integrations
APPROVED

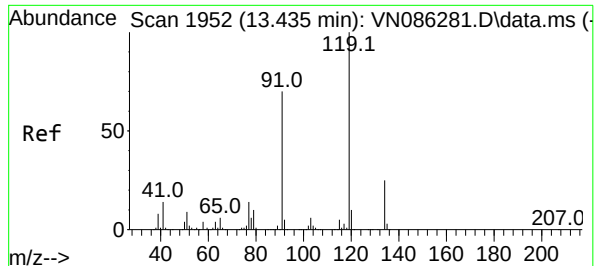
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#82
4-Chlorotoluene
Concen: 47.552 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

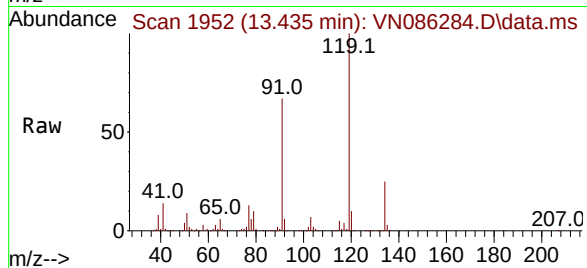
Tgt Ion: 91 Resp: 495478
Ion Ratio Lower Upper
91 100
126 32.1 16.2 48.6





#83
tert-Butylbenzene
Concen: 45.757 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

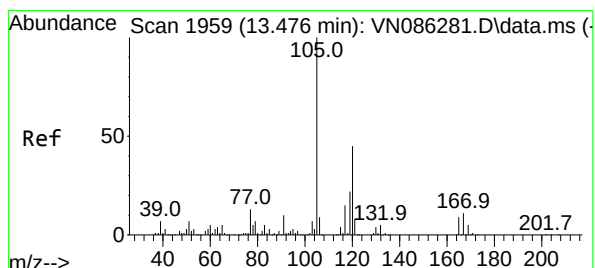
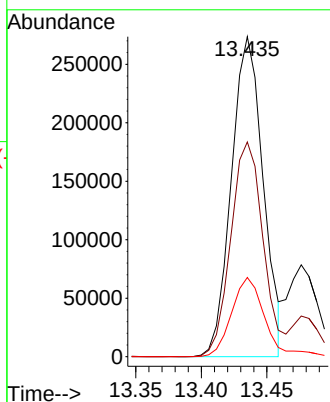
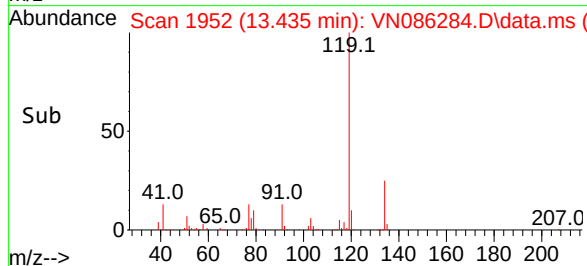
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525



Tgt Ion:119 Resp: 461620
Ion Ratio Lower Upper
119 100
91 68.8 34.4 103.3
134 25.9 13.0 39.0

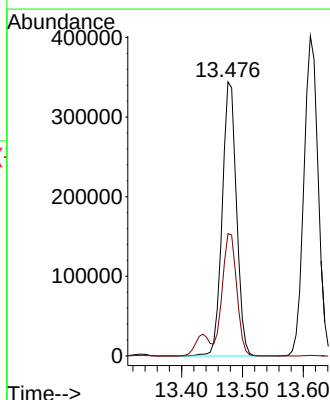
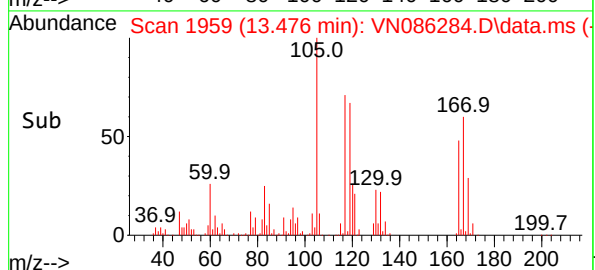
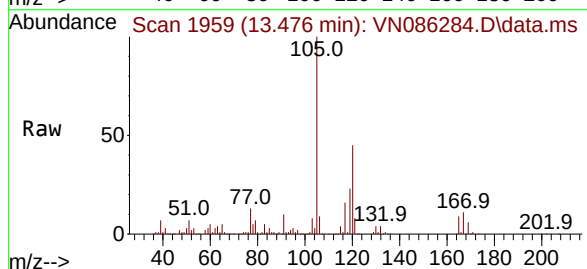
Manual Integrations
APPROVED

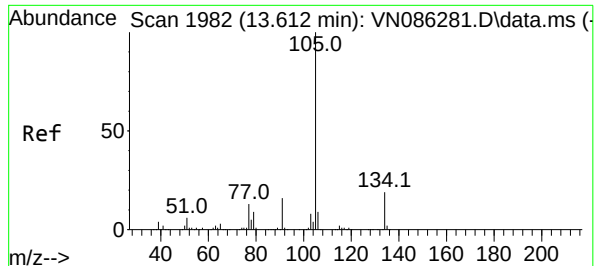
Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#84
1,2,4-Trimethylbenzene
Concen: 47.342 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

Tgt Ion:105 Resp: 561084
Ion Ratio Lower Upper
105 100
120 44.8 22.4 67.3





#85

sec-Butylbenzene

Concen: 46.468 ug/l

RT: 13.612 min Scan# 1982

Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041525

Tgt Ion:105 Resp: 650240

Ion Ratio Lower Upper

105 100

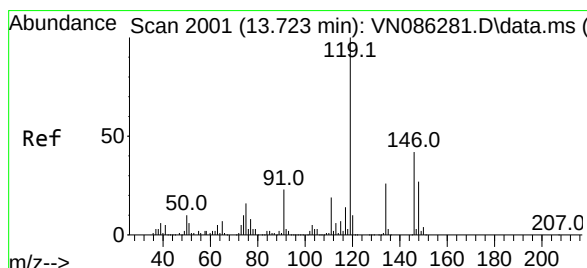
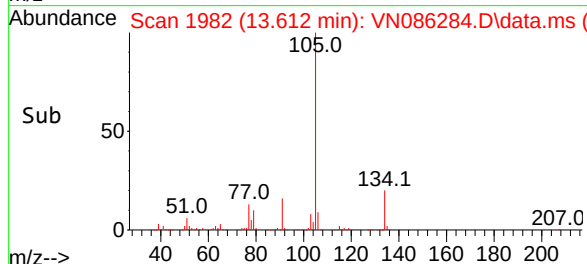
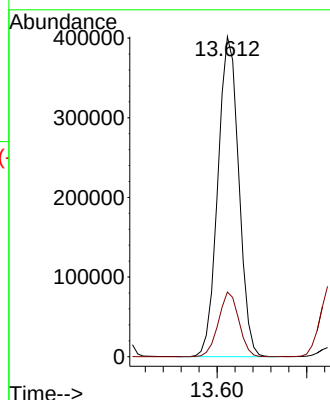
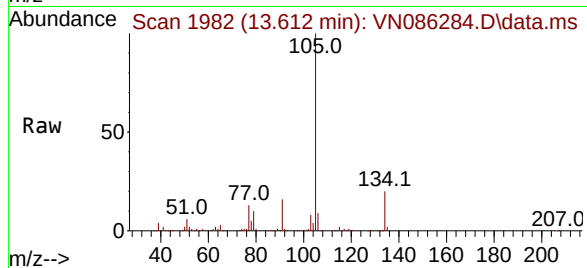
134 19.7 9.7 29.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#86

p-Isopropyltoluene

Concen: 47.395 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

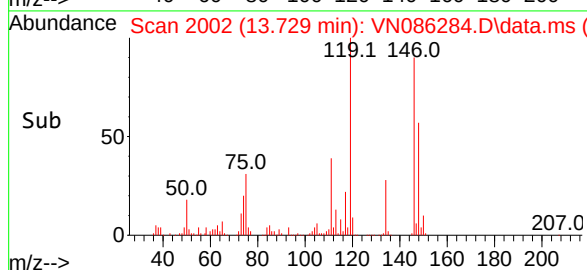
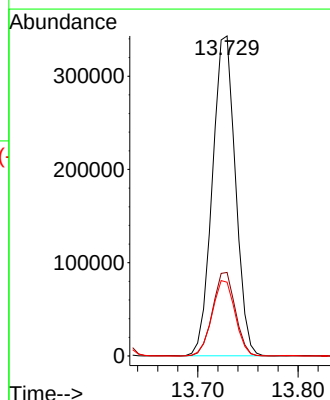
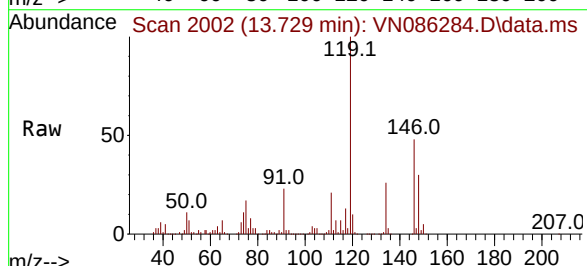
Tgt Ion:119 Resp: 546663

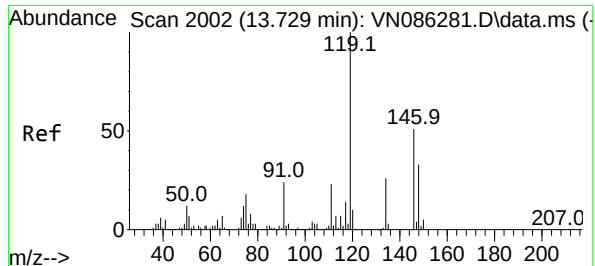
Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.1

91 23.7 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 46.983 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041525

Tgt Ion:146 Resp: 27838

Ion Ratio Lower Upper

146 100

111 43.1 21.9 65.7

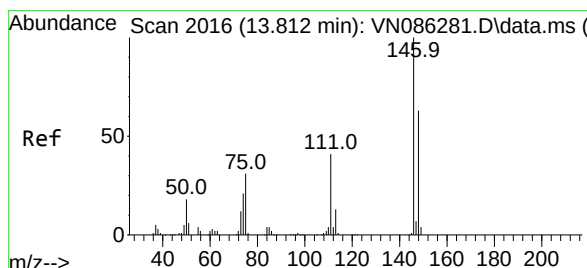
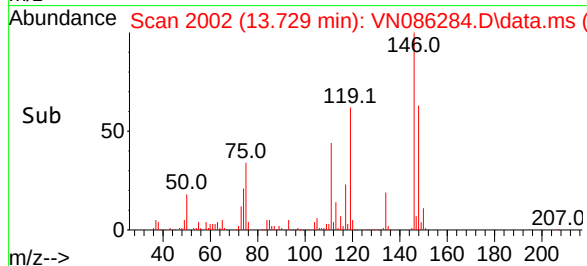
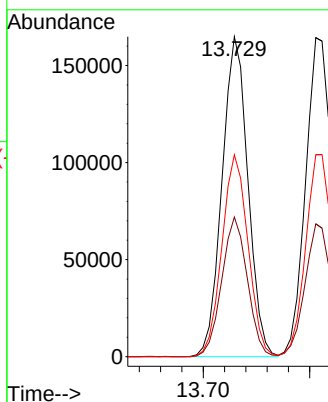
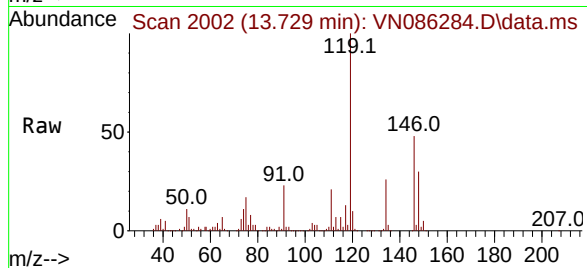
148 63.6 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#88

1,4-Dichlorobenzene

Concen: 47.319 ug/l

RT: 13.806 min Scan# 2015

Delta R.T. -0.006 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

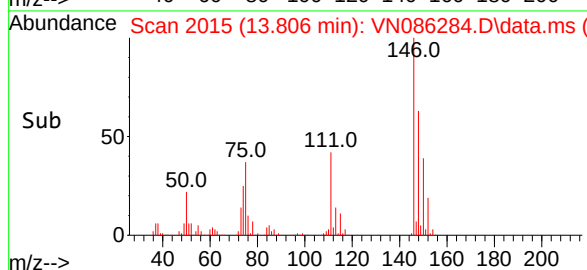
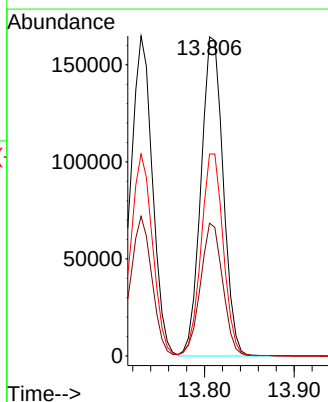
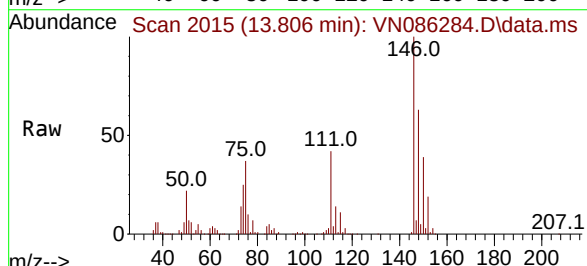
Tgt Ion:146 Resp: 282403

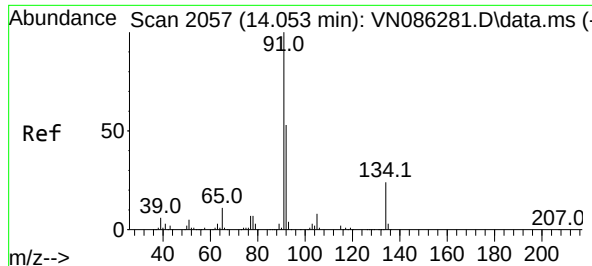
Ion Ratio Lower Upper

146 100

111 41.5 21.3 63.9

148 63.5 31.9 95.9





#89

n-Butylbenzene

Concen: 47.178 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041525

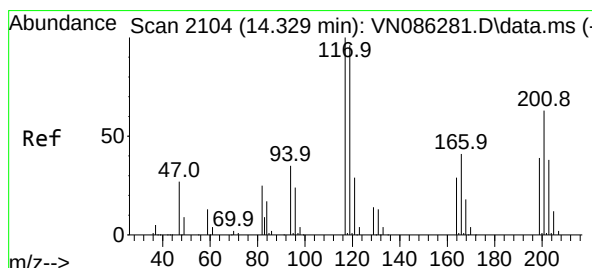
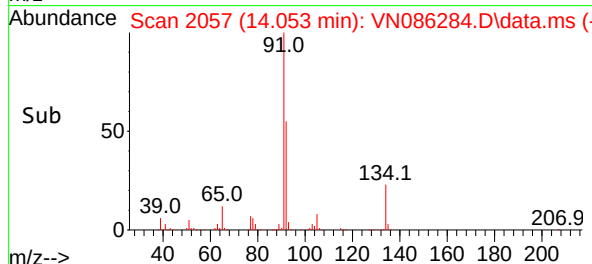
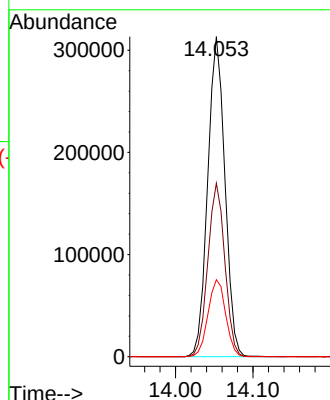
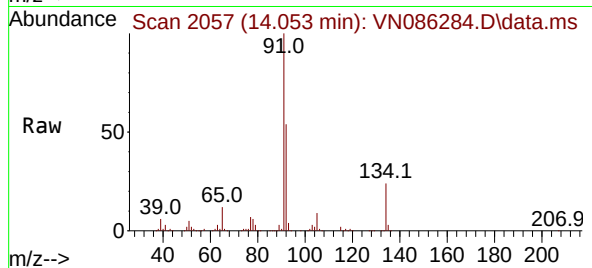
Tgt Ion:	91	Resp:	48233
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.8	80.4
134	24.7	12.2	36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#90

Hexachloroethane

Concen: 47.634 ug/l

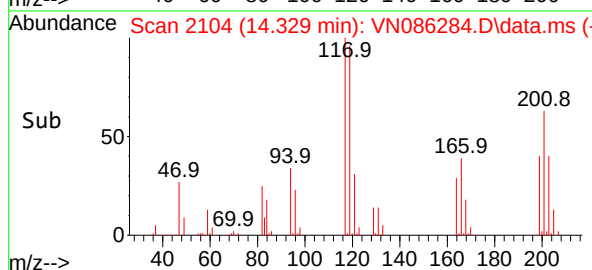
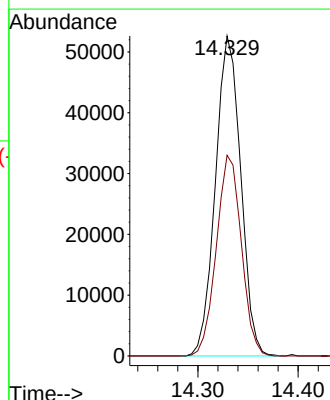
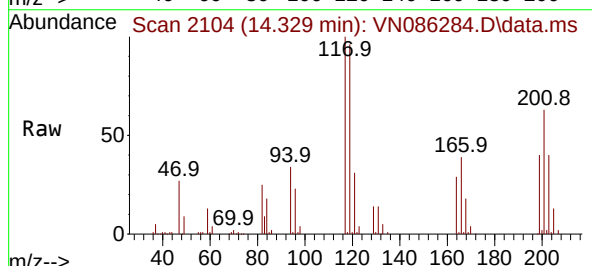
RT: 14.329 min Scan# 2104

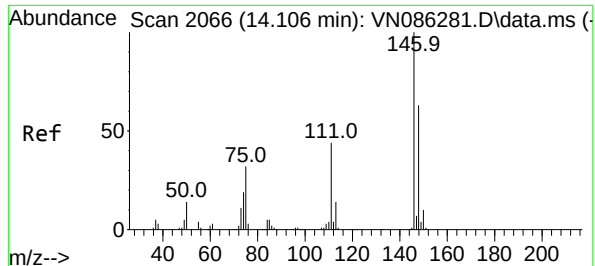
Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

Tgt Ion:	117	Resp:	92416
Ion	Ratio	Lower	Upper
117	100		
201	61.9	31.4	94.2





#91

1,2-Dichlorobenzene

Concen: 47.545 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041525

Tgt Ion:146 Resp: 27313

Ion Ratio Lower Upper

146 100

111 44.5 22.4 67.0

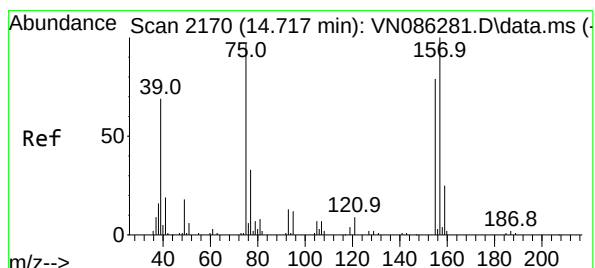
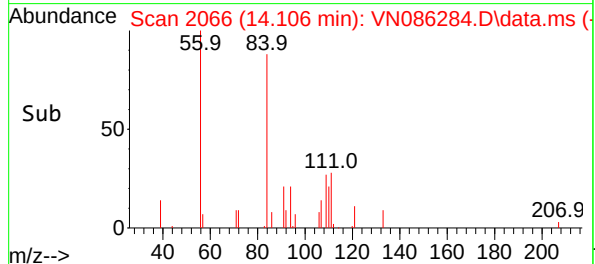
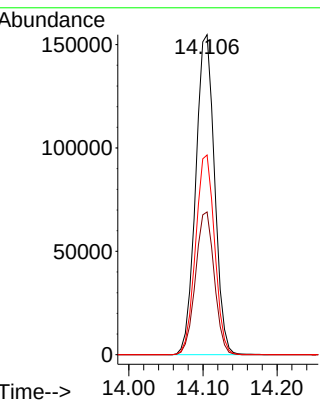
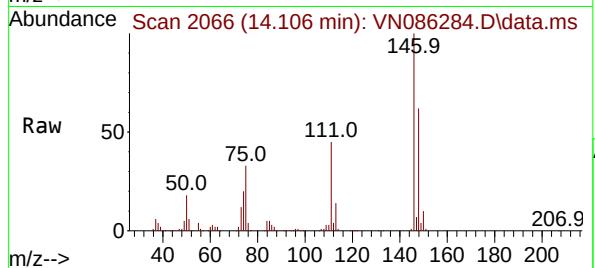
148 62.9 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.017 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

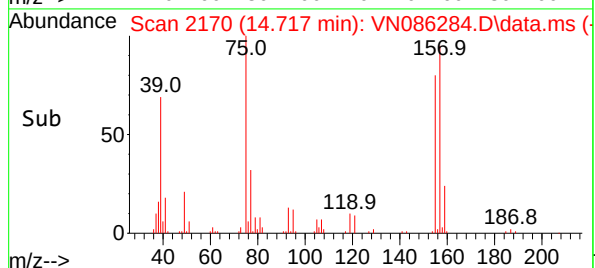
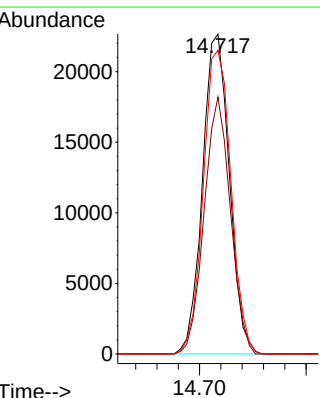
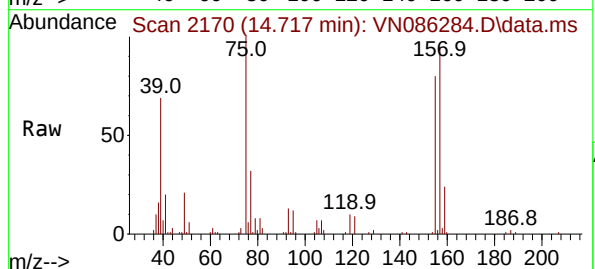
Tgt Ion: 75 Resp: 39601

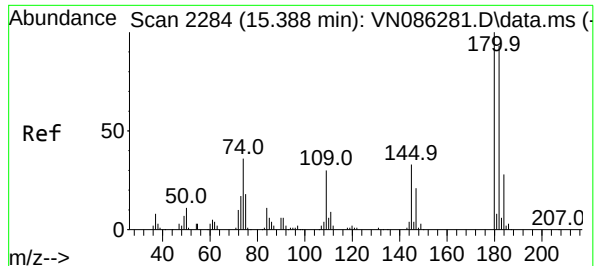
Ion Ratio Lower Upper

75 100

155 78.6 40.3 120.9

157 97.8 49.0 147.2





#93

1,2,4-Trichlorobenzene

Concen: 47.854 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. -0.000 min

Lab File: VN086284.D

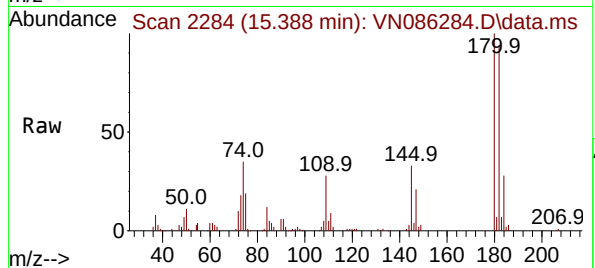
Acq: 15 Apr 2025 15:30

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041525



Tgt Ion:180 Resp: 131639

Ion Ratio Lower Upper

180 100

182 94.1 47.0 141.0

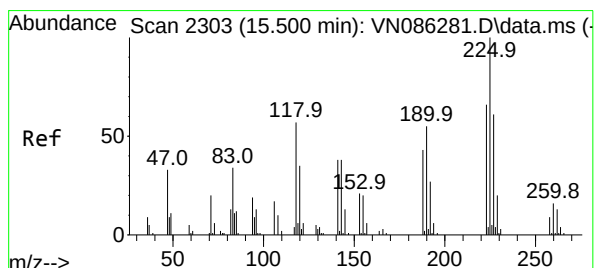
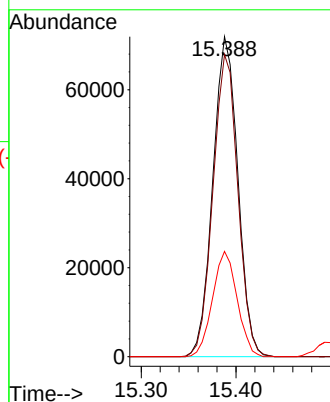
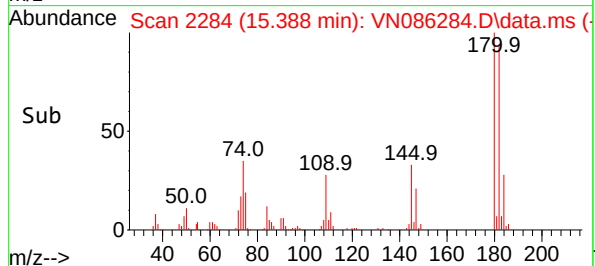
145 32.4 16.4 49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025



#94

Hexachlorobutadiene

Concen: 46.301 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN086284.D

Acq: 15 Apr 2025 15:30

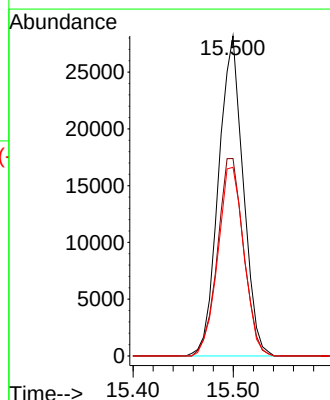
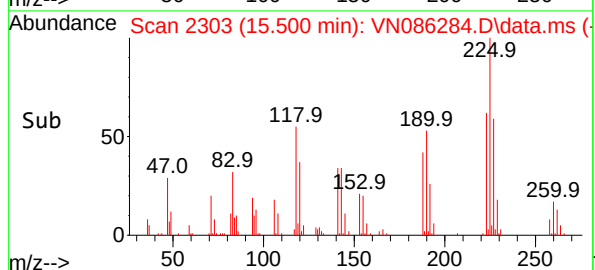
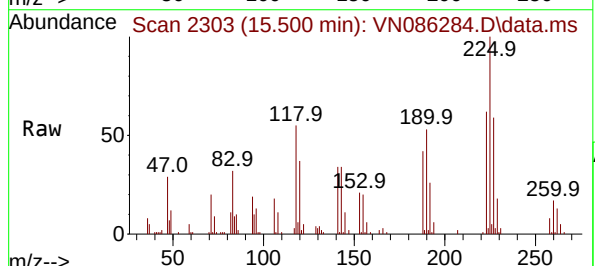
Tgt Ion:225 Resp: 48079

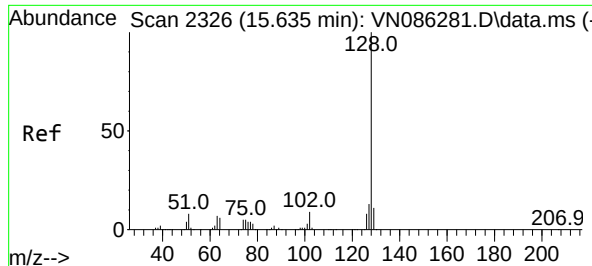
Ion Ratio Lower Upper

225 100

223 65.3 32.8 98.3

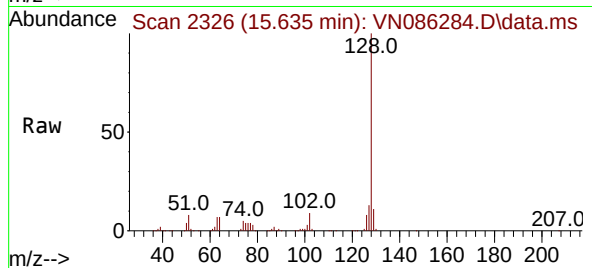
227 62.6 31.4 94.0





#95
Naphthalene
Concen: 48.408 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

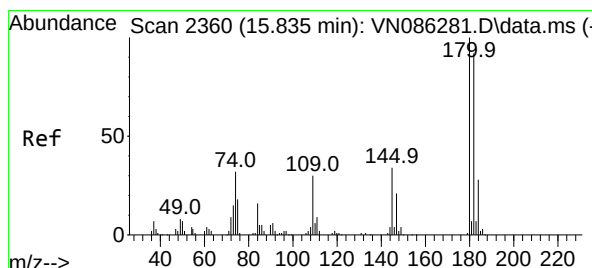
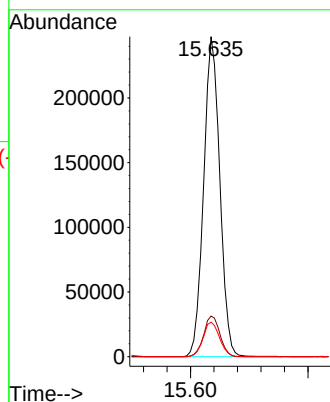
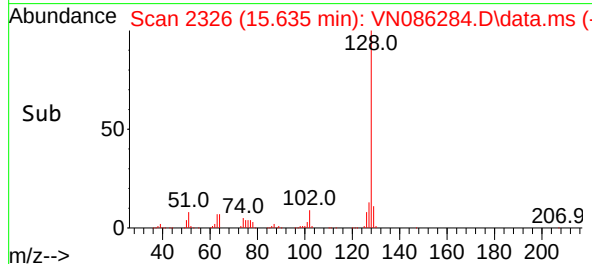
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525



Tgt Ion:128 Resp: 47204
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.9 8.6 13.0

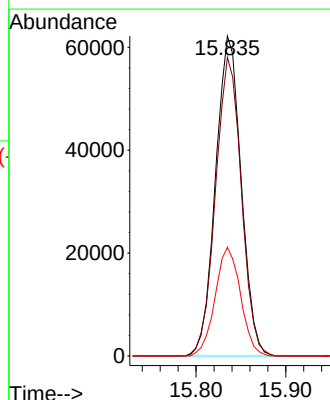
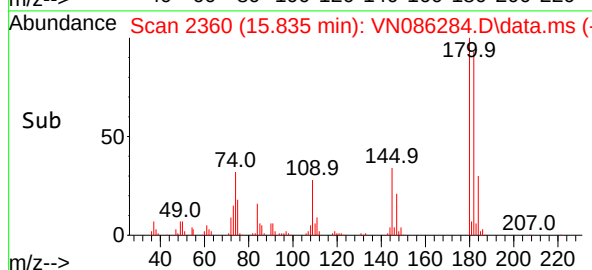
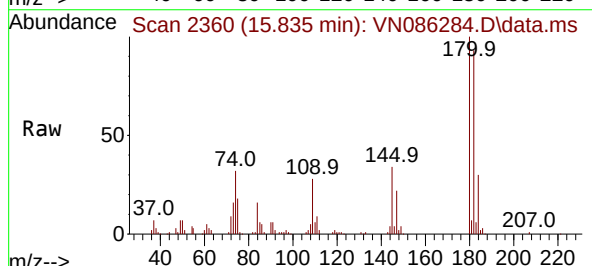
Manual Integrations
APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 47.314 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086284.D
Acq: 15 Apr 2025 15:30

Tgt Ion:180 Resp: 123220
Ion Ratio Lower Upper
180 100
182 93.8 47.3 142.0
145 33.7 17.2 51.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086284.D
 Acq On : 15 Apr 2025 15:30
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041525

Quant Time: Apr 16 04:30:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	104	0.00
2 T	Dichlorodifluoromethane	0.593	0.595	-0.3	105	0.00
3 P	Chloromethane	0.861	0.798	7.3	110	0.00
4 C	Vinyl Chloride	0.822	0.790	3.9#	104	0.00
5 T	Bromomethane	0.370	0.382	-3.2	112	0.00
6 T	Chloroethane	0.550	0.512	6.9	107	0.00
7 T	Trichlorofluoromethane	0.911	0.875	4.0	106	0.00
8 T	Diethyl Ether	0.398	0.378	5.0	105	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.551	0.533	3.3	106	0.00
10 T	Methyl Iodide	0.606	0.640	-5.6	111	0.00
11 T	Tert butyl alcohol	0.132	0.124	6.1	104	0.00
12 CM	1,1-Dichloroethene	0.588	0.556	5.4#	105	0.00
13 T	Acrolein	0.075	0.062	17.3	106	0.00
14 T	Allyl chloride	1.046	0.947	9.5	106	0.00
15 T	Acrylonitrile	0.327	0.320	2.1	105	0.00
16 T	Acetone	0.290	0.255	12.1	106	0.00
17 T	Carbon Disulfide	1.762	1.550	12.0	104	0.00
18 T	Methyl Acetate	0.870	0.793	8.9	106	0.00
19 T	Methyl tert-butyl Ether	2.163	2.039	5.7	106	0.00
20 T	Methylene Chloride	0.670	0.627	6.4	105	0.00
21 T	trans-1,2-Dichloroethene	0.615	0.578	6.0	105	0.00
22 T	Diisopropyl ether	2.276	2.113	7.2	104	0.00
23 T	Vinyl Acetate	1.591	1.493	6.2	105	0.00
24 P	1,1-Dichloroethane	1.201	1.135	5.5	104	0.00
25 T	2-Butanone	0.451	0.431	4.4	106	0.00
26 T	2,2-Dichloropropane	1.075	1.005	6.5	106	0.00
27 T	cis-1,2-Dichloroethene	0.764	0.719	5.9	105	0.00
28 T	Bromochloromethane	0.509	0.489	3.9	103	0.00
29 T	Tetrahydrofuran	0.302	0.280	7.3	104	0.00
30 C	Chloroform	1.180	1.110	5.9#	105	0.00
31 T	Cyclohexane	1.175	1.061	9.7	104	0.00
32 T	1,1,1-Trichloroethane	1.009	0.956	5.3	105	0.00
33 S	1,2-Dichloroethane-d4	0.725	0.727	-0.3	105	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35 S	Dibromofluoromethane	0.232	0.222	4.3	109	0.00
36 T	1,1-Dichloropropene	0.463	0.439	5.2	104	0.00
37 T	Ethyl Acetate	0.488	0.449	8.0	106	0.00
38 T	Carbon Tetrachloride	0.441	0.419	5.0	104	0.00
39 T	Methylcyclohexane	0.551	0.506	8.2	102	0.00
40 TM	Benzene	1.485	1.401	5.7	105	0.00
41 T	Methacrylonitrile	0.283	0.260	8.1	104	0.00
42 TM	1,2-Dichloroethane	0.474	0.450	5.1	107	0.00
43 T	Isopropyl Acetate	1.177	0.851	27.7#	103	0.00
44 TM	Trichloroethene	0.352	0.334	5.1	104	0.00
45 C	1,2-Dichloropropane	0.364	0.344	5.5#	104	0.00
46 T	Dibromomethane	0.232	0.226	2.6	105	0.00
47 T	Bromodichloromethane	0.500	0.477	4.6	106	0.00
48 T	Methyl methacrylate	0.429	0.390	9.1	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086284.D
 Acq On : 15 Apr 2025 15:30
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN041525

Quant Time: Apr 16 04:30:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.007	0.007	0.0	110	0.00
50 S	Toluene-d8	1.240	1.246	-0.5	105	0.00
51 T	4-Methyl-2-Pentanone	0.500	0.476	4.8	104	0.00
52 CM	Toluene	0.927	0.879	5.2#	104	0.00
53 T	t-1,3-Dichloropropene	0.558	0.540	3.2	104	0.00
54 T	cis-1,3-Dichloropropene	0.613	0.576	6.0	105	0.00
55 T	1,1,2-Trichloroethane	0.333	0.313	6.0	103	0.00
56 T	Ethyl methacrylate	0.613	0.581	5.2	106	0.00
57 T	1,3-Dichloropropane	0.592	0.565	4.6	105	0.00
58 T	2-Chloroethyl Vinyl ether	0.291	0.281	3.4	103	0.00
59 T	2-Hexanone	0.371	0.349	5.9	103	0.00
60 T	Dibromochloromethane	0.366	0.350	4.4	104	0.00
61 T	1,2-Dibromoethane	0.336	0.321	4.5	104	0.00
62 S	4-Bromofluorobenzene	0.452	0.452	0.0	104	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64 T	Tetrachloroethene	0.385	0.365	5.2	103	0.00
65 PM	Chlorobenzene	1.116	1.043	6.5	104	0.00
66 T	1,1,1,2-Tetrachloroethane	0.368	0.348	5.4	105	0.00
67 C	Ethyl Benzene	2.014	1.901	5.6#	104	0.00
68 T	m/p-Xylenes	0.754	0.717	4.9	103	0.00
69 T	o-Xylene	0.746	0.702	5.9	103	0.00
70 T	Styrene	1.243	1.197	3.7	103	0.00
71 P	Bromoform	0.277	0.264	4.7	106	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73 T	Isopropylbenzene	4.090	3.839	6.1	103	0.00
74 T	N-amyl acetate	2.036	1.842	9.5	104	0.00
75 P	1,1,2,2-Tetrachloroethane	1.176	1.070	9.0	103	0.00
76 T	1,2,3-Trichloropropane	1.180	1.078	8.6	104	0.00
77 T	Bromobenzene	0.906	0.867	4.3	102	0.00
78 T	n-propylbenzene	4.820	4.571	5.2	102	0.00
79 T	2-Chlorotoluene	3.016	2.836	6.0	103	0.00
80 T	1,3,5-Trimethylbenzene	3.348	3.163	5.5	103	0.00
81 T	trans-1,4-Dichloro-2-butene	0.491	0.488	0.6	106	0.00
82 T	4-Chlorotoluene	2.996	2.849	4.9	102	0.00
83 T	tert-Butylbenzene	2.901	2.655	8.5	102	0.00
84 T	1,2,4-Trimethylbenzene	3.408	3.226	5.3	102	0.00
85 T	sec-Butylbenzene	4.023	3.739	7.1	99	0.00
86 T	p-Isopropyltoluene	3.316	3.144	5.2	100	0.00
87 T	1,3-Dichlorobenzene	1.704	1.601	6.0	100	0.00
88 T	1,4-Dichlorobenzene	1.716	1.624	5.4	101	0.00
89 T	n-Butylbenzene	2.939	2.774	5.6	98	0.00
90 T	Hexachloroethane	0.558	0.531	4.8	103	0.00
91 T	1,2-Dichlorobenzene	1.652	1.571	4.9	101	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.237	0.228	3.8	103	0.00
93 T	1,2,4-Trichlorobenzene	0.791	0.757	4.3	99	0.00
94 T	Hexachlorobutadiene	0.299	0.276	7.7	99	0.00
95 T	Naphthalene	2.804	2.714	3.2	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.749	0.709	5.3	100	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086284.D
 Acq On : 15 Apr 2025 15:30
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041525

Quant Time: Apr 16 04:30:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	104	0.00
2 T	Dichlorodifluoromethane	50.000	50.220	-0.4	105	0.00
3 P	Chloromethane	50.000	46.321	7.4	110	0.00
4 C	Vinyl Chloride	50.000	48.040	3.9#	104	0.00
5 T	Bromomethane	50.000	51.662	-3.3	112	0.00
6 T	Chloroethane	50.000	46.557	6.9	107	0.00
7 T	Trichlorofluoromethane	50.000	48.030	3.9	106	0.00
8 T	Diethyl Ether	50.000	47.564	4.9	105	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.357	3.3	106	0.00
10 T	Methyl Iodide	50.000	52.806	-5.6	111	0.00
11 T	Tert butyl alcohol	250.000	233.586	6.6	104	0.00
12 CM	1,1-Dichloroethene	50.000	47.278	5.4#	105	0.00
13 T	Acrolein	250.000	251.743	-0.7	106	0.00
14 T	Allyl chloride	50.000	45.280	9.4	106	0.00
15 T	Acrylonitrile	250.000	244.312	2.3	105	0.00
16 T	Acetone	250.000	254.646	-1.9	106	0.00
17 T	Carbon Disulfide	50.000	43.983	12.0	104	0.00
18 T	Methyl Acetate	50.000	45.586	8.8	106	0.00
19 T	Methyl tert-butyl Ether	50.000	47.117	5.8	106	0.00
20 T	Methylene Chloride	50.000	46.740	6.5	105	0.00
21 T	trans-1,2-Dichloroethene	50.000	46.960	6.1	105	0.00
22 T	Diisopropyl ether	50.000	46.426	7.1	104	0.00
23 T	Vinyl Acetate	250.000	234.680	6.1	105	0.00
24 P	1,1-Dichloroethane	50.000	47.277	5.4	104	0.00
25 T	2-Butanone	250.000	238.732	4.5	106	0.00
26 T	2,2-Dichloropropane	50.000	46.721	6.6	106	0.00
27 T	cis-1,2-Dichloroethene	50.000	47.105	5.8	105	0.00
28 T	Bromochloromethane	50.000	48.044	3.9	103	0.00
29 T	Tetrahydrofuran	250.000	232.296	7.1	104	0.00
30 C	Chloroform	50.000	47.047	5.9#	105	0.00
31 T	Cyclohexane	50.000	45.162	9.7	104	0.00
32 T	1,1,1-Trichloroethane	50.000	47.385	5.2	105	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.114	-0.2	105	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35 S	Dibromofluoromethane	50.000	47.865	4.3	109	0.00
36 T	1,1-Dichloropropene	50.000	47.382	5.2	104	0.00
37 T	Ethyl Acetate	50.000	45.984	8.0	106	0.00
38 T	Carbon Tetrachloride	50.000	47.475	5.0	104	0.00
39 T	Methylcyclohexane	50.000	45.902	8.2	102	0.00
40 TM	Benzene	50.000	47.168	5.7	105	0.00
41 T	Methacrylonitrile	50.000	45.892	8.2	104	0.00
42 TM	1,2-Dichloroethane	50.000	47.496	5.0	107	0.00
43 T	Isopropyl Acetate	50.000	48.649	2.7	103	0.00
44 TM	Trichloroethene	50.000	47.403	5.2	104	0.00
45 C	1,2-Dichloropropane	50.000	47.302	5.4#	104	0.00
46 T	Dibromomethane	50.000	48.772	2.5	105	0.00
47 T	Bromodichloromethane	50.000	47.682	4.6	106	0.00
48 T	Methyl methacrylate	50.000	45.546	8.9	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086284.D
 Acq On : 15 Apr 2025 15:30
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041525

Quant Time: Apr 16 04:30:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	929.893	7.0	110	0.00
50 S	Toluene-d8	50.000	50.251	-0.5	105	0.00
51 T	4-Methyl-2-Pentanone	250.000	238.220	4.7	104	0.00
52 CM	Toluene	50.000	47.453	5.1#	104	0.00
53 T	t-1,3-Dichloropropene	50.000	48.360	3.3	104	0.00
54 T	cis-1,3-Dichloropropene	50.000	46.923	6.2	105	0.00
55 T	1,1,2-Trichloroethane	50.000	46.911	6.2	103	0.00
56 T	Ethyl methacrylate	50.000	47.414	5.2	106	0.00
57 T	1,3-Dichloropropane	50.000	47.770	4.5	105	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	241.924	3.2	103	0.00
59 T	2-Hexanone	250.000	235.364	5.9	103	0.00
60 T	Dibromochloromethane	50.000	47.767	4.5	104	0.00
61 T	1,2-Dibromoethane	50.000	47.777	4.4	104	0.00
62 S	4-Bromofluorobenzene	50.000	49.950	0.1	104	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64 T	Tetrachloroethene	50.000	47.439	5.1	103	0.00
65 PM	Chlorobenzene	50.000	46.735	6.5	104	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	47.238	5.5	105	0.00
67 C	Ethyl Benzene	50.000	47.196	5.6#	104	0.00
68 T	m/p-Xylenes	100.000	94.994	5.0	103	0.00
69 T	o-Xylene	50.000	47.043	5.9	103	0.00
70 T	Styrene	50.000	48.138	3.7	103	0.00
71 P	Bromoform	50.000	47.634	4.7	106	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73 T	Isopropylbenzene	50.000	46.930	6.1	103	0.00
74 T	N-amyl acetate	50.000	45.241	9.5	104	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	45.501	9.0	103	0.00
76 T	1,2,3-Trichloropropane	50.000	45.680	8.6	104	0.00
77 T	Bromobenzene	50.000	47.860	4.3	102	0.00
78 T	n-propylbenzene	50.000	47.420	5.2	102	0.00
79 T	2-Chlorotoluene	50.000	47.012	6.0	103	0.00
80 T	1,3,5-Trimethylbenzene	50.000	47.241	5.5	103	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.639	0.7	106	0.00
82 T	4-Chlorotoluene	50.000	47.552	4.9	102	0.00
83 T	tert-Butylbenzene	50.000	45.757	8.5	102	0.00
84 T	1,2,4-Trimethylbenzene	50.000	47.342	5.3	102	0.00
85 T	sec-Butylbenzene	50.000	46.468	7.1	99	0.00
86 T	p-Isopropyltoluene	50.000	47.395	5.2	100	0.00
87 T	1,3-Dichlorobenzene	50.000	46.983	6.0	100	0.00
88 T	1,4-Dichlorobenzene	50.000	47.319	5.4	101	0.00
89 T	n-Butylbenzene	50.000	47.178	5.6	98	0.00
90 T	Hexachloroethane	50.000	47.634	4.7	103	0.00
91 T	1,2-Dichlorobenzene	50.000	47.545	4.9	101	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	48.017	4.0	103	0.00
93 T	1,2,4-Trichlorobenzene	50.000	47.854	4.3	99	0.00
94 T	Hexachlorobutadiene	50.000	46.301	7.4	99	0.00
95 T	Naphthalene	50.000	48.408	3.2	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	47.314	5.4	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: GENV01

Lab Code: CHEM Case No.: Q1940 SAS No.: Q1940 SDG No.: Q1940

Instrument ID: MSVOA_N Calibration Date/Time: 05/02/2025 09:21

Lab File ID: VN086451.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.861	0.754	0.1	-12.43	20
Vinyl Chloride	0.822	0.772		-6.08	20
Bromomethane	0.370	0.419		13.24	20
Chloroethane	0.550	0.517		-6	20
Tert butyl alcohol	0.132	0.106		-19.7	20
1,1-Dichloroethene	0.588	0.574		-2.38	20
Acetone	0.290	0.231		-20.34	20
Carbon Disulfide	1.762	1.588		-9.88	20
Methyl tert-butyl Ether	2.163	2.059		-4.81	20
Methylene Chloride	0.670	0.642		-4.18	20
trans-1,2-Dichloroethene	0.615	0.611		-0.65	20
1,1-Dichloroethane	1.201	1.170	0.1	-2.58	20
2-Butanone	0.451	0.391		-13.3	20
Carbon Tetrachloride	0.441	0.482		9.3	20
cis-1,2-Dichloroethene	0.764	0.761		-0.39	20
Chloroform	1.180	1.183		0.25	20
1,1,1-Trichloroethane	1.009	1.034		2.48	20
Benzene	1.485	1.520		2.36	20
1,2-Dichloroethane	0.474	0.497		4.85	20
Trichloroethene	0.352	0.378		7.39	20
1,2-Dichloropropane	0.364	0.362		-0.55	20
Bromodichloromethane	0.500	0.529		5.8	20
4-Methyl-2-Pentanone	0.500	0.471		-5.8	20
Toluene	0.927	0.984		6.15	20
t-1,3-Dichloropropene	0.558	0.596		6.81	20
cis-1,3-Dichloropropene	0.613	0.629		2.61	20
1,1,2-Trichloroethane	0.333	0.350		5.11	20
2-Hexanone	0.371	0.344		-7.28	20
Dibromochloromethane	0.366	0.397		8.47	20
Tetrachloroethene	0.385	0.406		5.45	20
Chlorobenzene	1.116	1.168	0.3	4.66	20
Ethyl Benzene	2.014	2.094		3.97	20
m/p-Xylenes	0.754	0.802		6.37	20
o-Xylene	0.746	0.789		5.76	20
Styrene	1.243	1.341		7.88	20
Bromoform	0.277	0.296	0.1	6.86	20
1,1,2,2-Tetrachloroethane	1.176	1.111	0.3	-5.53	20
1,2-Dichloroethane-d4	0.725	0.700		-3.45	20

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1940 SAS No.: Q1940 SDG No.: Q1940

Instrument ID: MSVOA_N Calibration Date/Time: 05/02/2025 09:21

Lab File ID: VN086451.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

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

COMPOUND	<u>RRF</u>	RRF050	MIN RRF	%D	MAX%D
Dibromofluoromethane	0.232	0.246		6.03	20
Toluene-d8	1.240	1.263		1.86	20
4-Bromofluorobenzene	0.452	0.471		4.2	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\VN050225\
 Data File : VN086451.D
 Acq On : 02 May 2025 09:21
 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 05/05/2025
 Supervised By : Semsettin Yesilyurt 05/05/2025

Quant Time: May 02 23:13:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	187608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	337415	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	308780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	150946	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.577	65	131273	48.254	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.500%
35) Dibromofluoromethane	8.165	113	83034	53.023	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.040%
50) Toluene-d8	10.565	98	426318	50.938	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.880%
62) 4-Bromofluorobenzene	12.847	95	158923	52.060	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.120%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	106224	47.763	ug/l	98
3) Chloromethane	2.360	50	141507	43.781	ug/l	98
4) Vinyl Chloride	2.518	62	144800	46.946	ug/l	99
5) Bromomethane	2.954	94	78520	56.596	ug/l	96
6) Chloroethane	3.118	64	97034	47.006	ug/l	99
7) Trichlorofluoromethane	3.501	101	170913	50.025	ug/l	99
8) Diethyl Ether	3.959	74	69563	46.639	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.371	101	106614	51.584	ug/l	98
10) Methyl Iodide	4.589	142	130578	57.466	ug/l	100
11) Tert butyl alcohol	5.512	59	99579	200.612	ug/l	99
12) 1,1-Dichloroethene	4.342	96	107759	48.801	ug/l	98
13) Acrolein	4.171	56	98571	437.161	ug/l	97
14) Allyl chloride	5.018	41	164138	41.815	ug/l	96
15) Acrylonitrile	5.718	53	277334	226.015	ug/l	99
16) Acetone	4.424	43	216614	229.836	ug/l	98
17) Carbon Disulfide	4.712	76	297936	45.062	ug/l	97
18) Methyl Acetate	5.018	43	129102	39.534	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	386319	47.594	ug/l	100
20) Methylene Chloride	5.271	84	120405	47.874	ug/l	95
21) trans-1,2-Dichloroethene	5.789	96	114718	49.693	ug/l	96
22) Diisopropyl ether	6.665	45	396594	46.444	ug/l	98
23) Vinyl Acetate	6.600	43	1422527	238.308	ug/l	98
24) 1,1-Dichloroethane	6.565	63	219507	48.720	ug/l	98
25) 2-Butanone	7.477	43	366875	216.655	ug/l	99
26) 2,2-Dichloropropane	7.489	77	203766	50.512	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	142839	49.852	ug/l	97
28) Bromochloromethane	7.812	49	91209	47.745	ug/l	94
29) Tetrahydrofuran	7.836	42	242990	214.587	ug/l	97
30) Chloroform	7.965	83	221901	50.137	ug/l	98
31) Cyclohexane	8.253	56	199194	45.181	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	193962	51.229	ug/l	99
36) 1,1-Dichloropropene	8.371	75	164969	52.743	ug/l	100
37) Ethyl Acetate	7.559	43	150326	45.651	ug/l	99
38) Carbon Tetrachloride	8.359	117	162785	54.650	ug/l	99
39) Methylcyclohexane	9.594	83	189467	50.963	ug/l	99
40) Benzene	8.600	78	512813	51.172	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
 Data File : VN086451.D
 Acq On : 02 May 2025 09:21
 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 05/05/2025
 Supervised By :Semsettin Yesilyurt 05/05/2025

Quant Time: May 02 23:13:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	85395	44.745	ug/l	95
42) 1,2-Dichloroethane	8.665	62	167611	52.448	ug/l	99
43) Isopropyl Acetate	8.683	43	280386	47.433	ug/l	98
44) Trichloroethene	9.347	130	127540	53.696	ug/l	96
45) 1,2-Dichloropropane	9.618	63	122173	49.804	ug/l	99
46) Dibromomethane	9.706	93	85662	54.808	ug/l	98
47) Bromodichloromethane	9.883	83	178351	52.834	ug/l	100
48) Methyl methacrylate	9.677	41	129996	44.954	ug/l	95
49) 1,4-Dioxane	9.694	88	44348	901.597	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	795220	235.831	ug/l	100
52) Toluene	10.630	92	332120	53.113	ug/l	99
53) t-1,3-Dichloropropene	10.830	75	201072	53.360	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	212160	51.261	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	117996	52.448	ug/l	97
56) Ethyl methacrylate	10.871	69	205181	49.615	ug/l	97
57) 1,3-Dichloropropane	11.159	76	209068	52.376	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	442871	225.630	ug/l	98
59) 2-Hexanone	11.194	43	580824	232.226	ug/l	100
60) Dibromochloromethane	11.359	129	133893	54.197	ug/l	99
61) 1,2-Dibromoethane	11.465	107	124093	54.664	ug/l	98
64) Tetrachloroethene	11.100	164	125496	52.837	ug/l	99
65) Chlorobenzene	11.888	112	360627	52.334	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	120637	53.067	ug/l	100
67) Ethyl Benzene	11.959	91	646650	52.003	ug/l	100
68) m/p-Xylenes	12.065	106	495460	106.338	ug/l	98
69) o-Xylene	12.394	106	243781	52.907	ug/l	98
70) Styrene	12.406	104	414102	53.937	ug/l	99
71) Bromoform	12.576	173	91446	53.428	ug/l #	99
73) Isopropylbenzene	12.694	105	603514	48.877	ug/l	99
74) N-amyl acetate	12.488	43	261655	42.566	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	167750	47.249	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	160002m	44.918	ug/l	
77) Bromobenzene	12.976	156	142408	52.051	ug/l	93
78) n-propylbenzene	13.029	91	729554	50.141	ug/l	100
79) 2-Chlorotoluene	13.124	91	447334	49.132	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	507071	50.174	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	78133	52.679	ug/l	91
82) 4-Chlorotoluene	13.218	91	452151	49.993	ug/l	99
83) tert-Butylbenzene	13.435	119	426424	48.696	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	514072	49.972	ug/l	99
85) sec-Butylbenzene	13.612	105	609234	50.158	ug/l	99
86) p-Isopropyltoluene	13.723	119	515686	51.509	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	268588	52.223	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	270837	52.283	ug/l	99
89) n-Butylbenzene	14.053	91	457244	51.526	ug/l	100
90) Hexachloroethane	14.329	117	84691	50.291	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	261135	52.369	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	32858	45.900	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	121875	51.043	ug/l	100
94) Hexachlorobutadiene	15.500	225	45101	50.039	ug/l	98
95) Naphthalene	15.635	128	401687	47.458	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	114144	50.494	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086451.D
Acq On : 02 May 2025 09:21
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 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

Quant Time: May 02 23:13:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

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

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

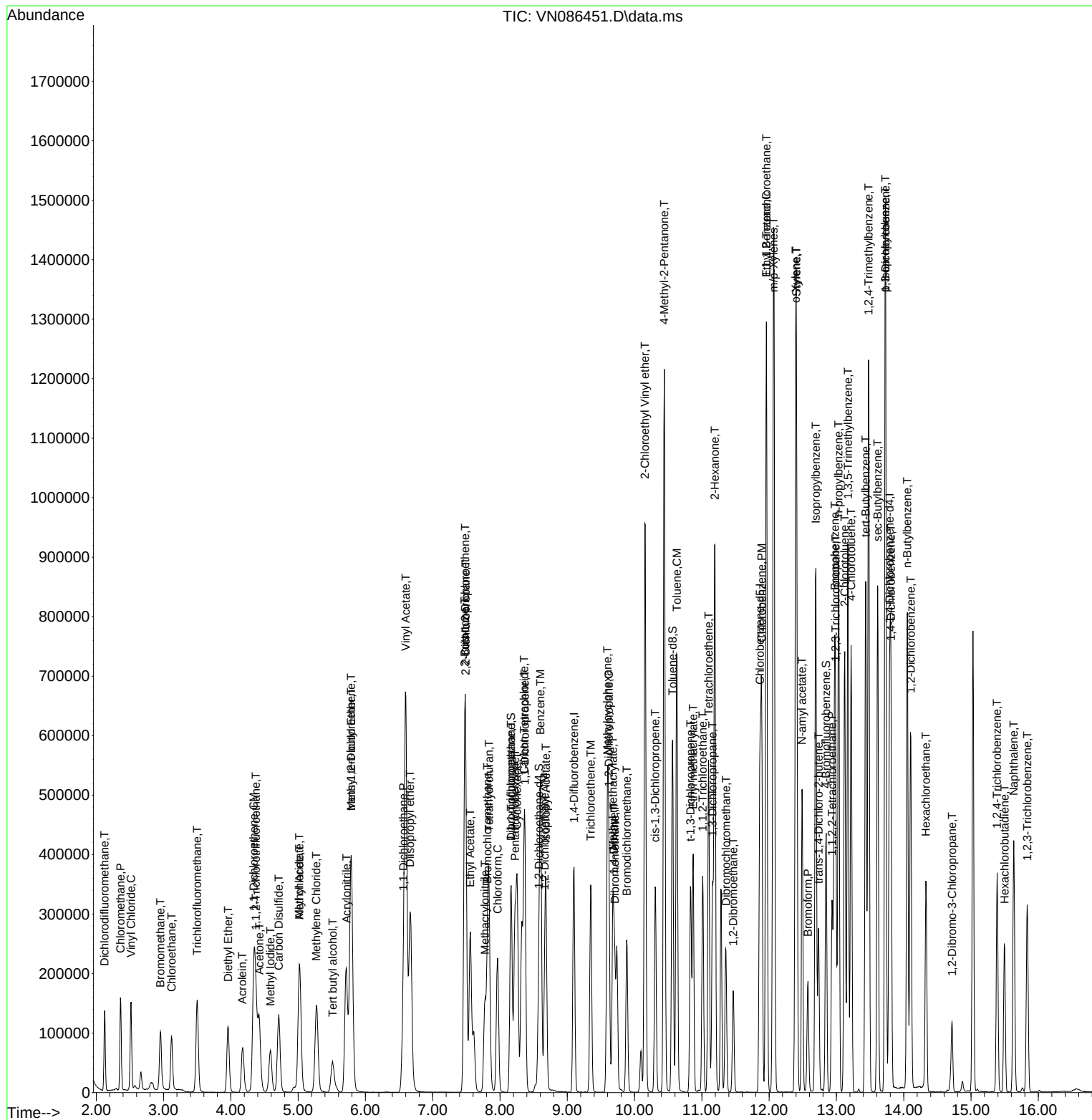
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Data File : VN086451.D
Acq On : 02 May 2025 09:21
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

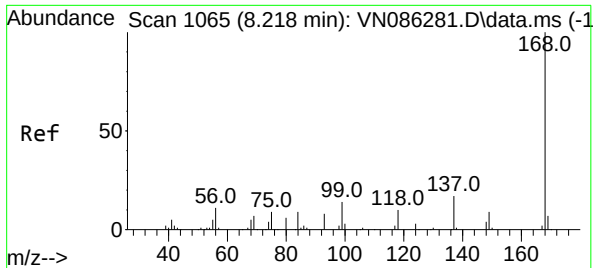
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

Quant Time: May 02 23:13:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration





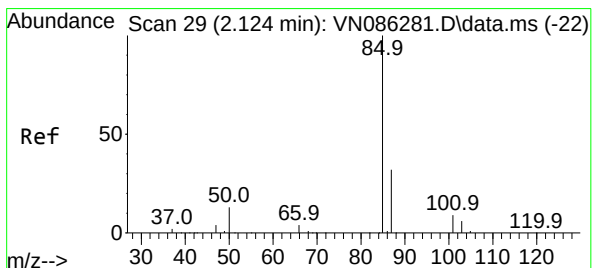
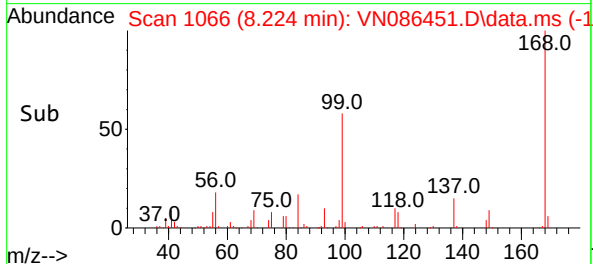
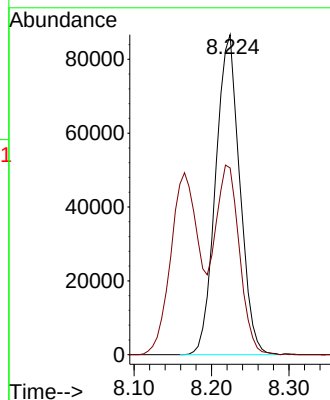
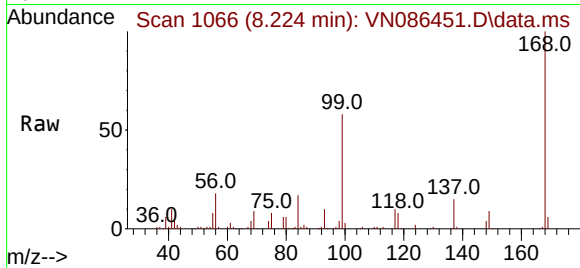
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Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 187608
Ion Ratio Lower Upper
168 100
99 58.4 52.5 78.7

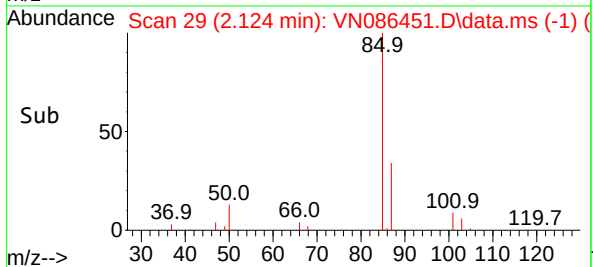
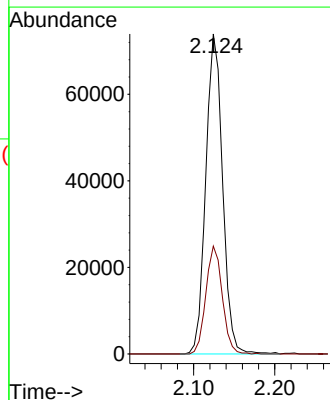
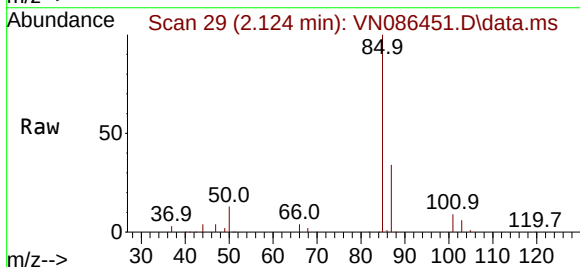
Manual Integrations
APPROVED

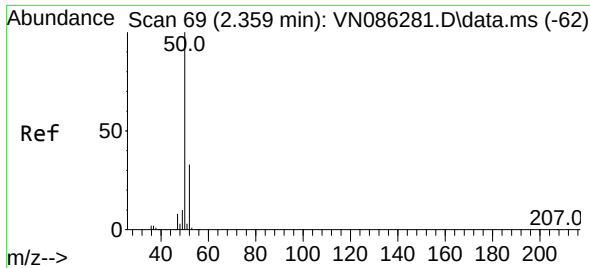
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#2
Dichlorodifluoromethane
Concen: 47.763 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

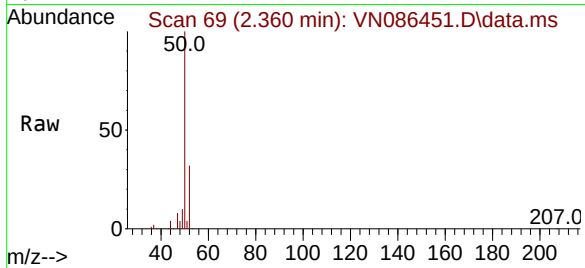
Tgt Ion: 85 Resp: 106224
Ion Ratio Lower Upper
85 100
87 33.7 16.3 48.8





#3
Chloromethane
Concen: 43.781 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

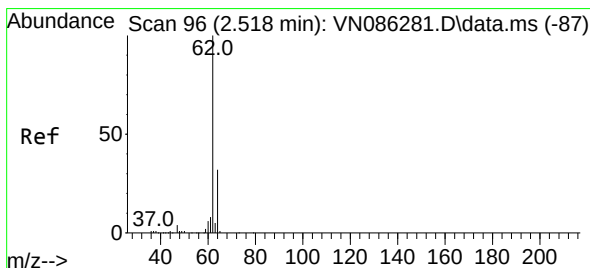
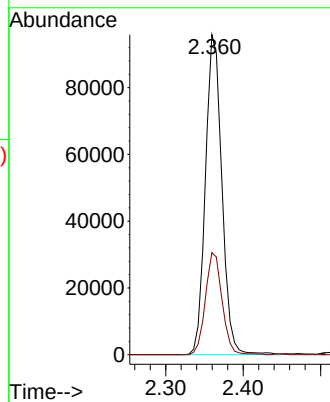
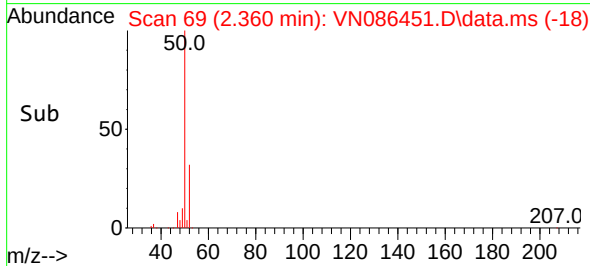
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 50 Resp: 14150
Ion Ratio Lower Upper
50 100
52 31.9 26.5 39.7

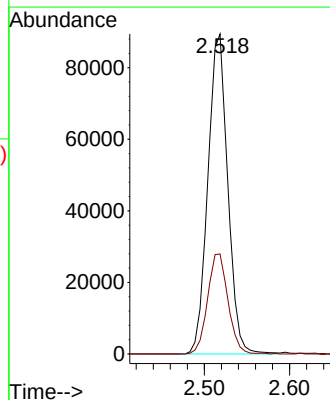
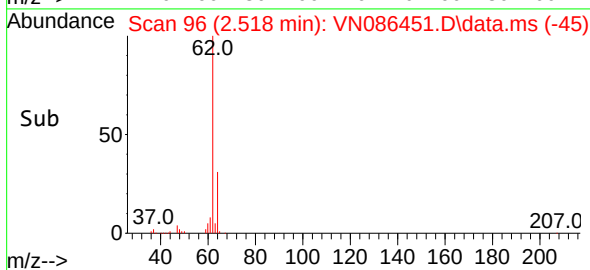
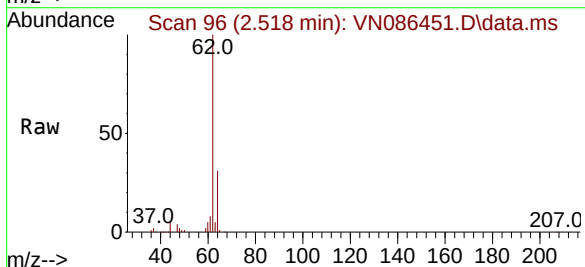
Manual Integrations
APPROVED

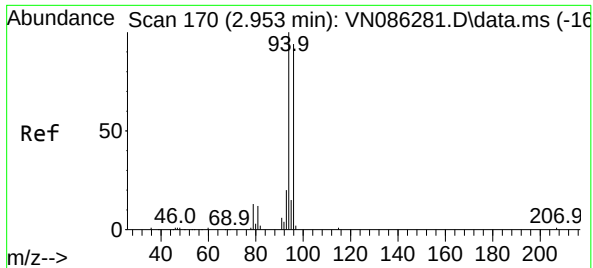
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#4
Vinyl Chloride
Concen: 46.946 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

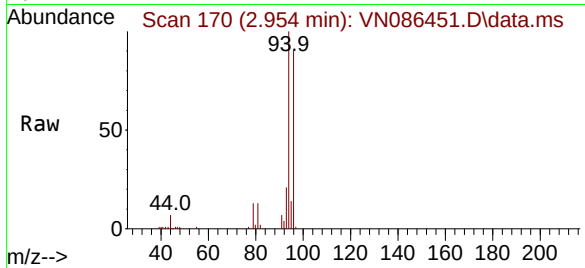
Tgt Ion: 62 Resp: 144800
Ion Ratio Lower Upper
62 100
64 31.3 25.6 38.4





#5
Bromomethane
Concen: 56.596 ug/l
RT: 2.954 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

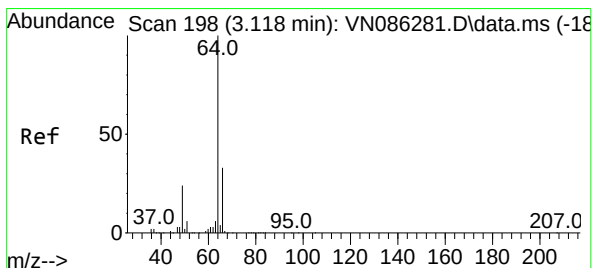
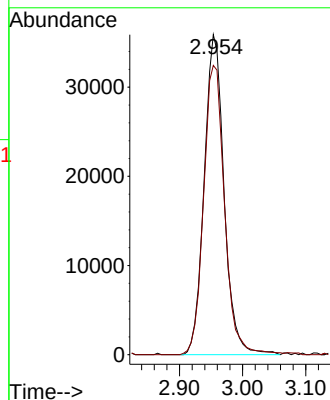
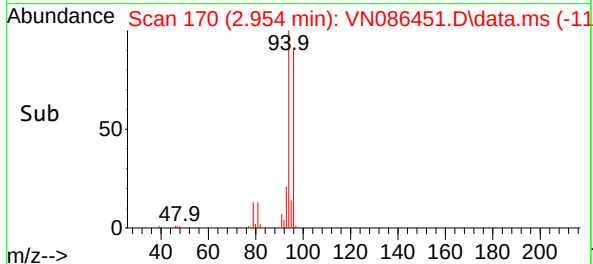
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 94 Resp: 78520
Ion Ratio Lower Upper
94 100
96 90.4 75.2 112.8

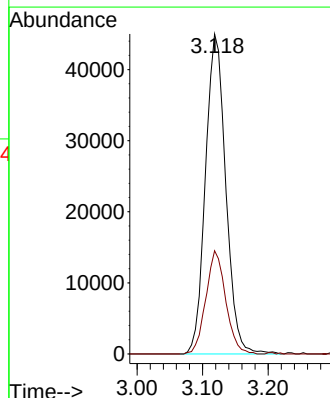
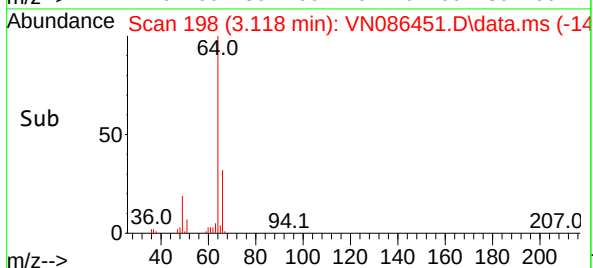
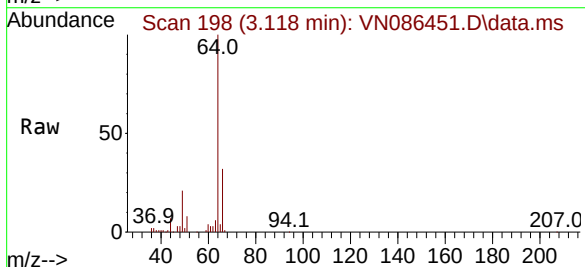
Manual Integrations
APPROVED

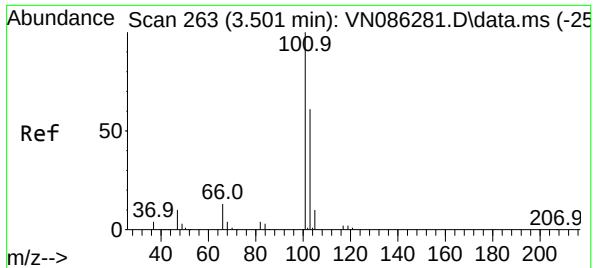
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#6
Chloroethane
Concen: 47.006 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

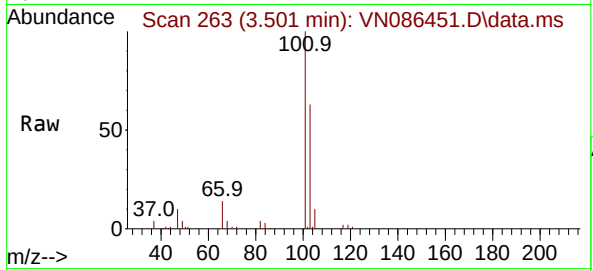
Tgt Ion: 64 Resp: 97034
Ion Ratio Lower Upper
64 100
66 32.2 26.2 39.2





#7
Trichlorofluoromethane
Concen: 50.025 ug/l
RT: 3.501 min Scan# 263
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

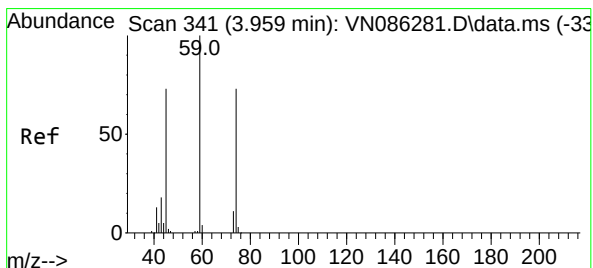
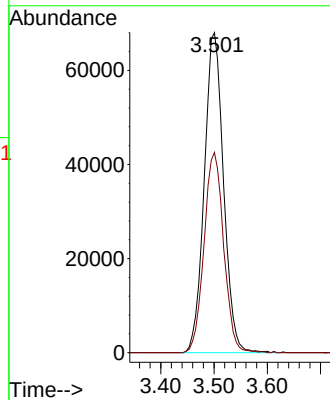
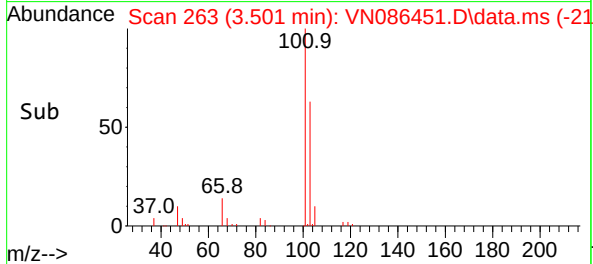
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 101 Resp: 17091
Ion Ratio Lower Upper
101 100
103 62.6 49.2 73.8

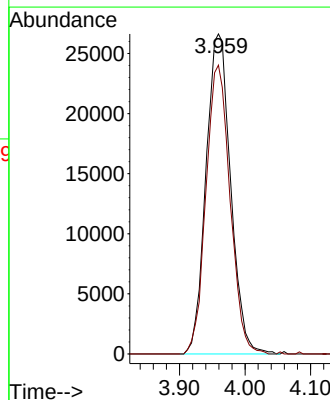
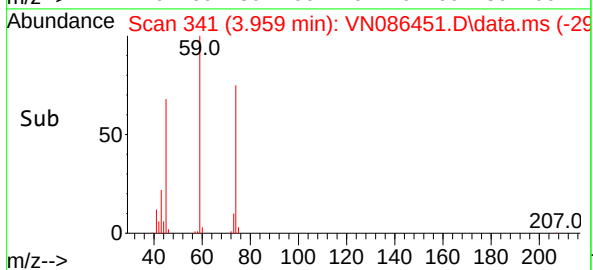
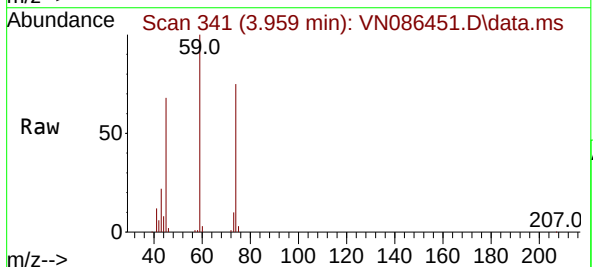
Manual Integrations
APPROVED

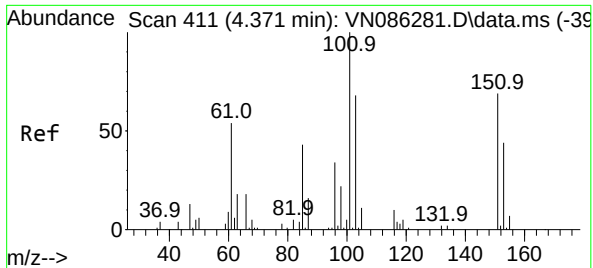
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#8
Diethyl Ether
Concen: 46.639 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

Tgt Ion: 74 Resp: 69563
Ion Ratio Lower Upper
74 100
45 88.3 48.0 144.2





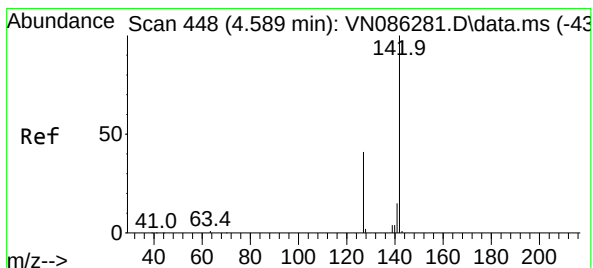
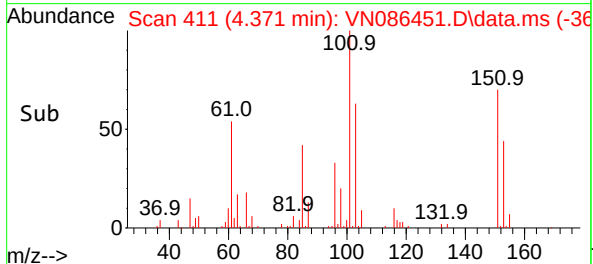
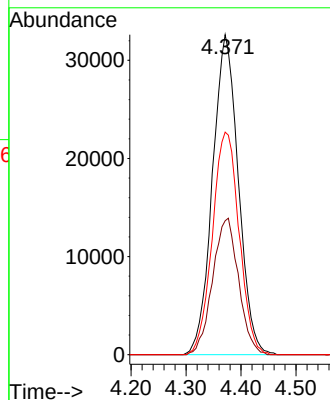
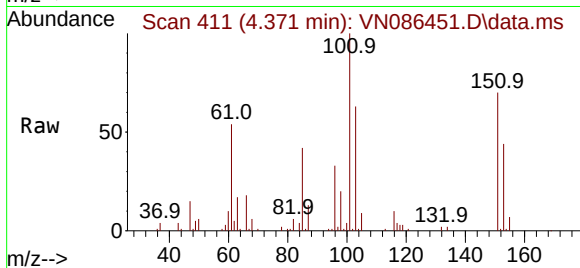
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.584 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 106614
Ion Ratio Lower Upper
101 100
85 42.8 34.7 52.1
151 71.9 56.1 84.1

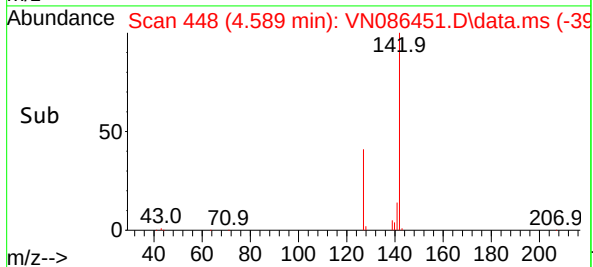
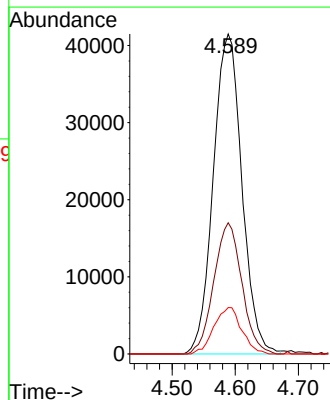
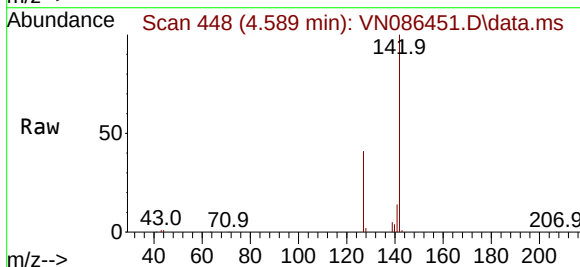
Manual Integrations
APPROVED

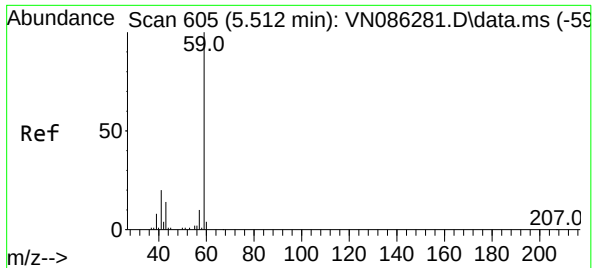
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#10
Methyl Iodide
Concen: 57.466 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

Tgt Ion:142 Resp: 130578
Ion Ratio Lower Upper
142 100
127 41.0 32.7 49.1
141 14.5 11.7 17.5





#11

Tert butyl alcohol

Concen: 200.612 ug/l

RT: 5.512 min Scan# 605

Delta R.T. 0.000 min

Lab File: VN086451.D

Acq: 02 May 2025 09:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 99579

Ion Ratio Lower Upper

59 100

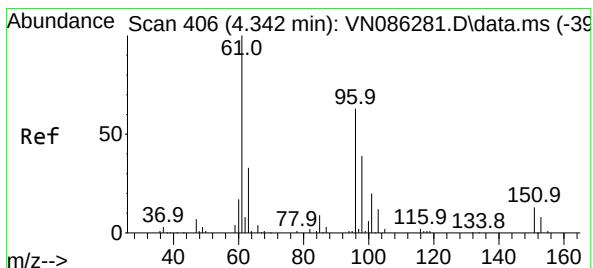
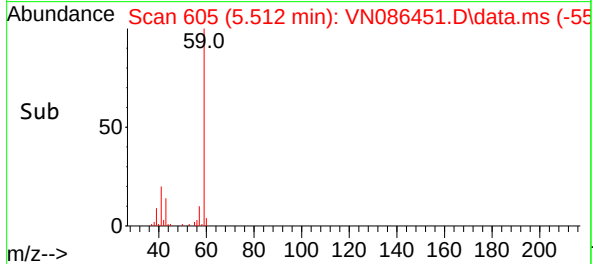
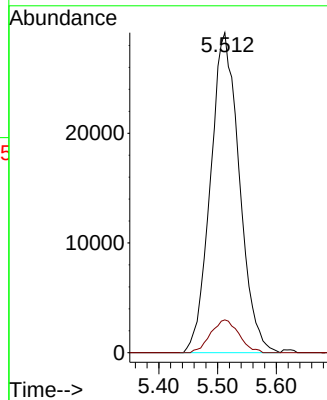
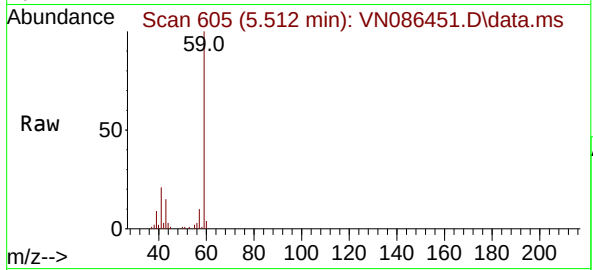
57 10.0 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#12

1,1-Dichloroethene

Concen: 48.801 ug/l

RT: 4.342 min Scan# 406

Delta R.T. 0.000 min

Lab File: VN086451.D

Acq: 02 May 2025 09:21

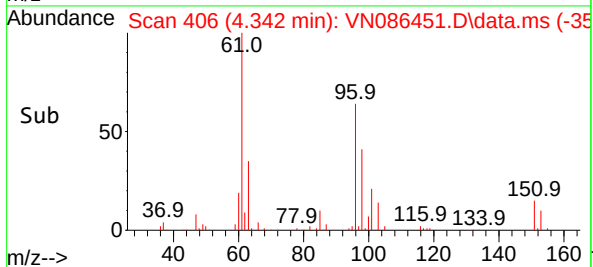
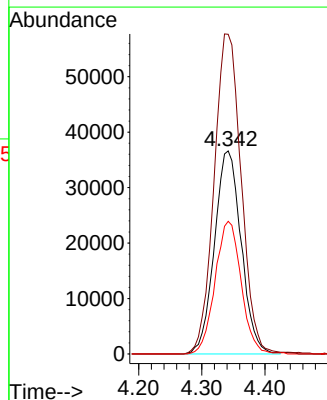
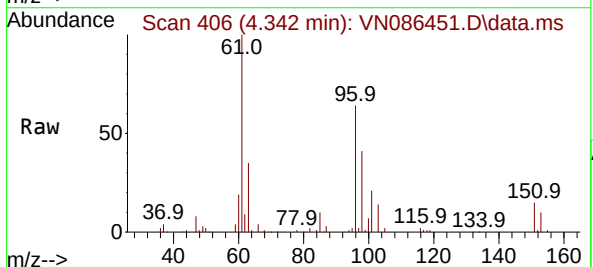
Tgt Ion: 96 Resp: 107759

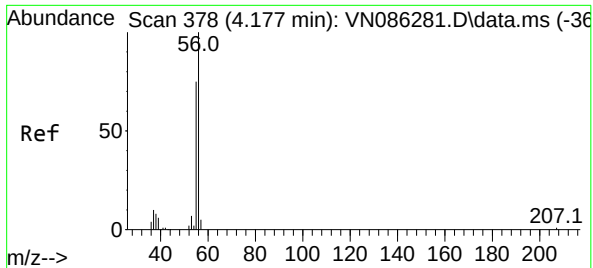
Ion Ratio Lower Upper

96 100

61 157.4 126.6 189.8

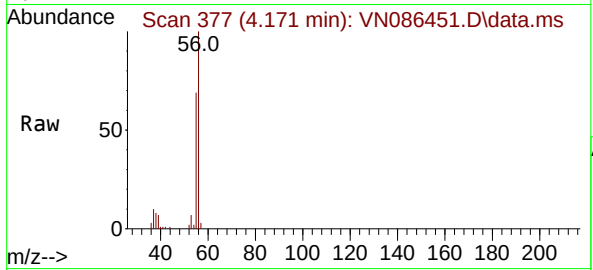
98 65.3 49.6 74.4





#13
Acrolein
Concen: 437.161 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

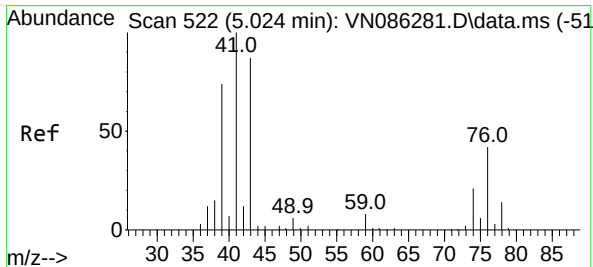
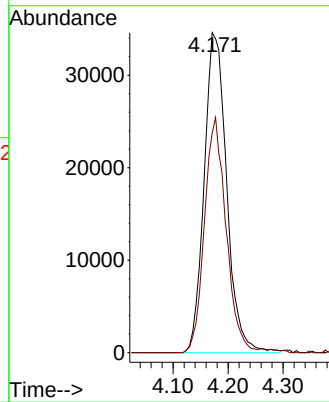
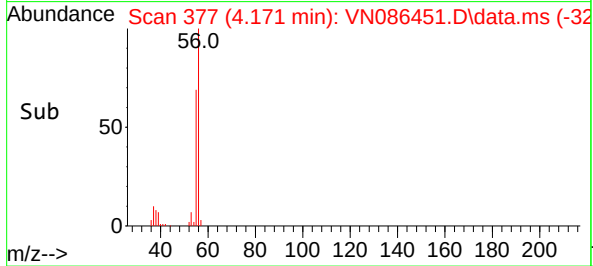
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 56 Resp: 9857
Ion Ratio Lower Upper
56 100
55 70.7 58.5 87.7

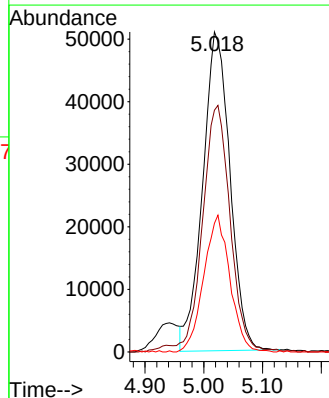
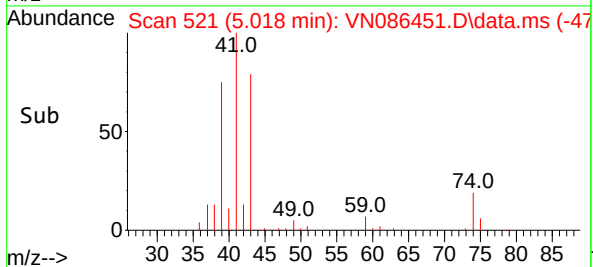
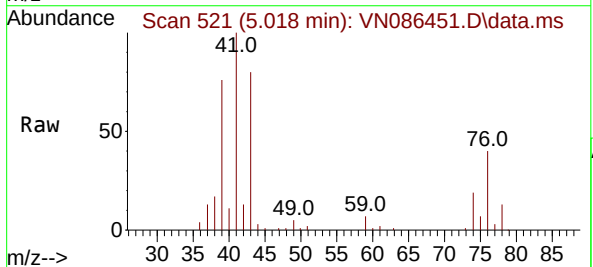
Manual Integrations
APPROVED

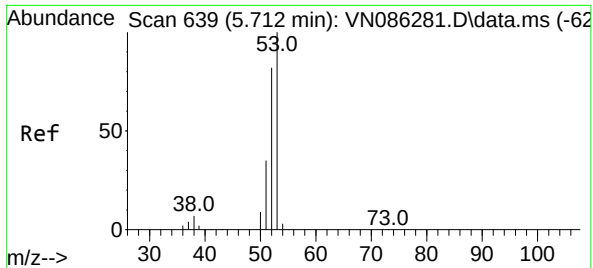
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#14
Allyl chloride
Concen: 41.815 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

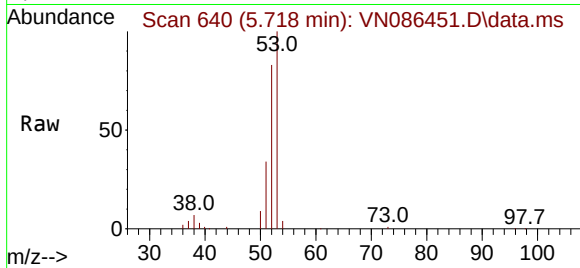
Tgt Ion: 41 Resp: 164138
Ion Ratio Lower Upper
41 100
39 77.3 59.2 88.8
76 41.2 31.2 46.8





#15
Acrylonitrile
Concen: 226.015 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

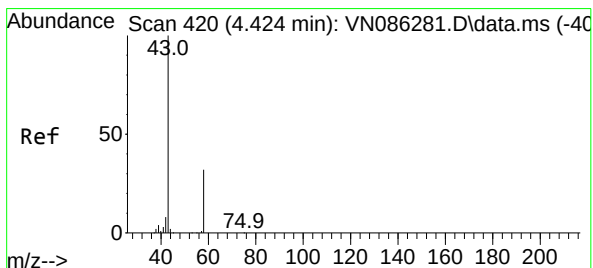
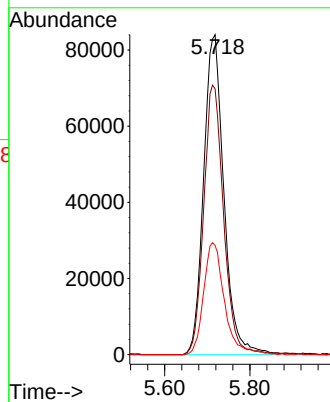
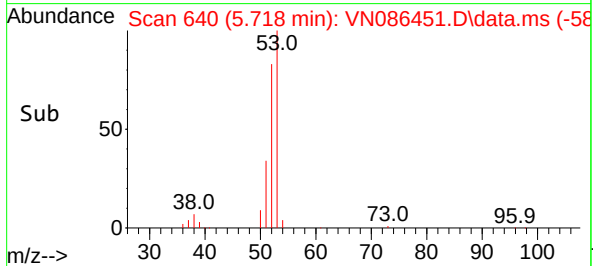
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 53 Resp: 277334
Ion Ratio Lower Upper
53 100
52 82.7 65.5 98.3
51 36.0 28.6 42.8

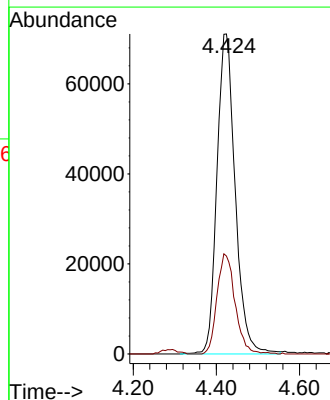
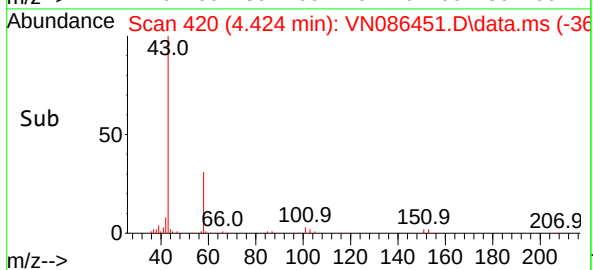
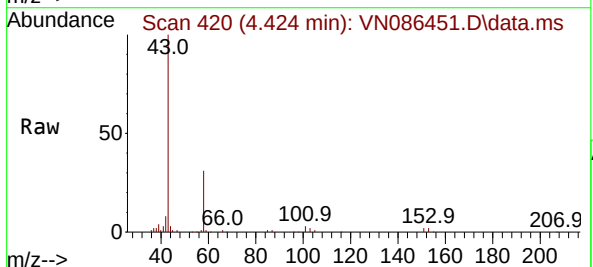
Manual Integrations
APPROVED

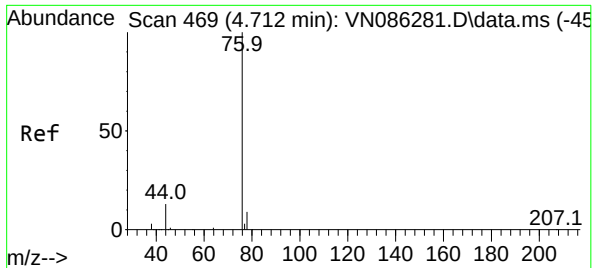
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#16
Acetone
Concen: 229.836 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

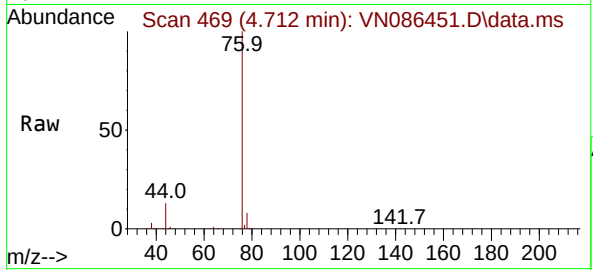
Tgt Ion: 43 Resp: 216614
Ion Ratio Lower Upper
43 100
58 30.6 25.3 37.9





#17
Carbon Disulfide
Concen: 45.062 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

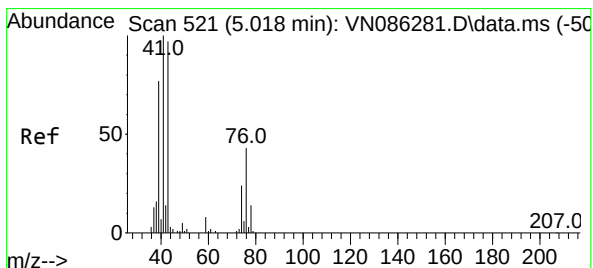
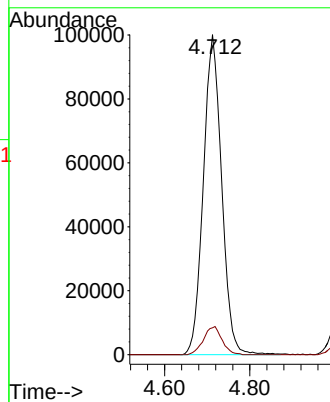
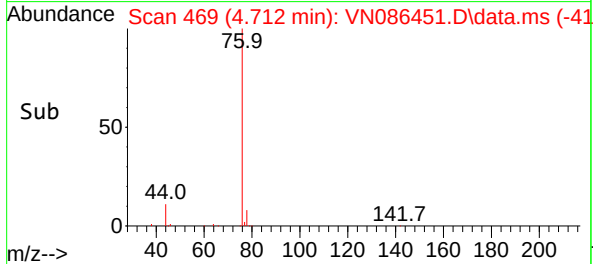
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 76 Resp: 297930
Ion Ratio Lower Upper
76 100
78 8.4 7.6 11.4

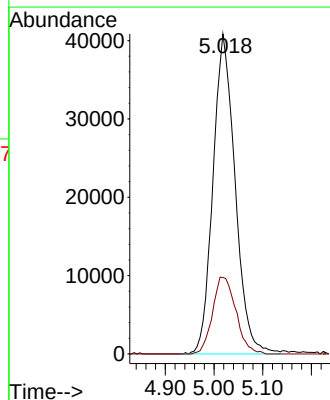
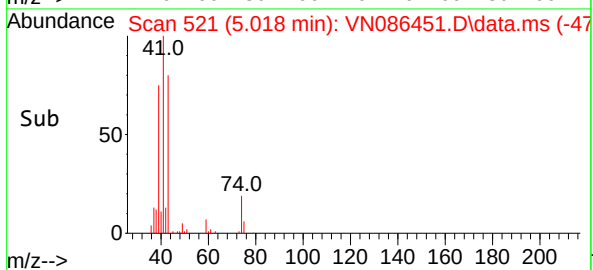
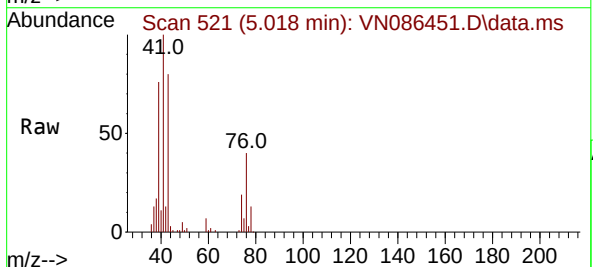
Manual Integrations
APPROVED

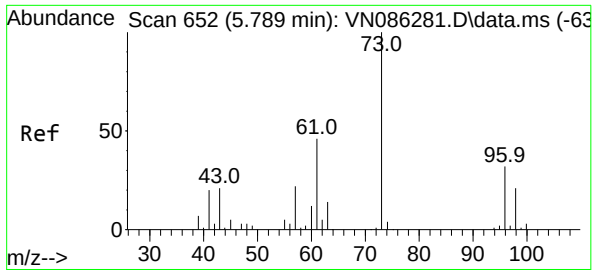
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#18
Methyl Acetate
Concen: 39.534 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

Tgt Ion: 43 Resp: 129102
Ion Ratio Lower Upper
43 100
74 25.3 19.8 29.6





#19

Methyl tert-butyl Ether

Concen: 47.594 ug/l

RT: 5.789 min Scan# 652

Delta R.T. 0.000 min

Lab File: VN086451.D

Acq: 02 May 2025 09:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 386319

Ion Ratio Lower Upper

73 100

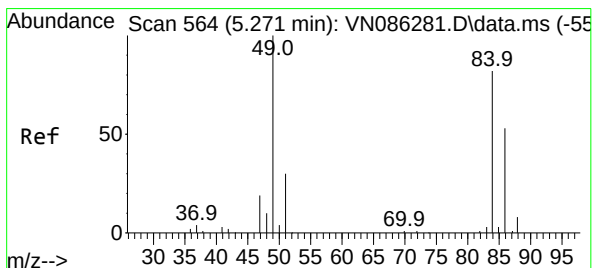
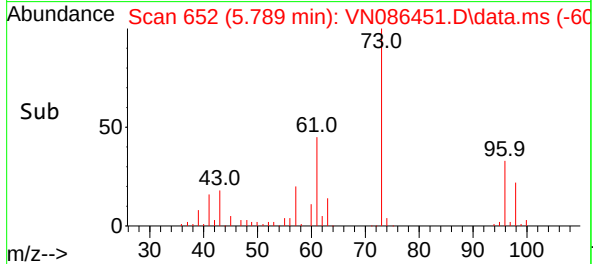
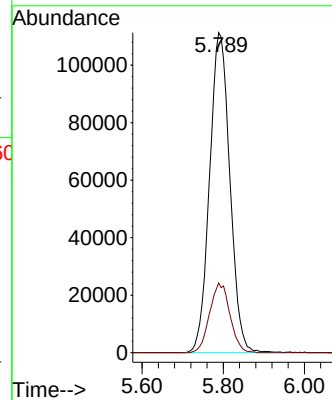
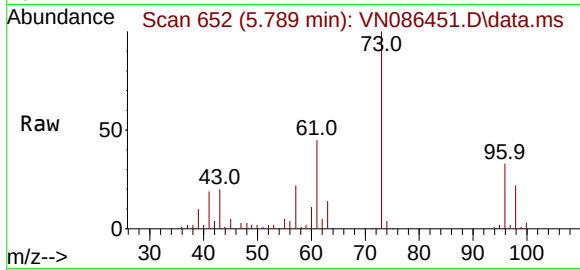
57 21.8 17.6 26.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#20

Methylene Chloride

Concen: 47.874 ug/l

RT: 5.271 min Scan# 564

Delta R.T. 0.000 min

Lab File: VN086451.D

Acq: 02 May 2025 09:21

Tgt Ion: 84 Resp: 120405

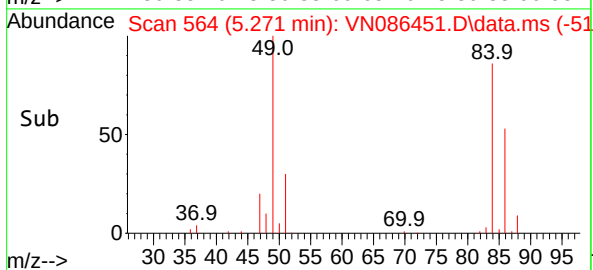
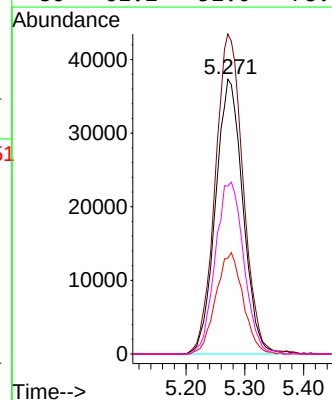
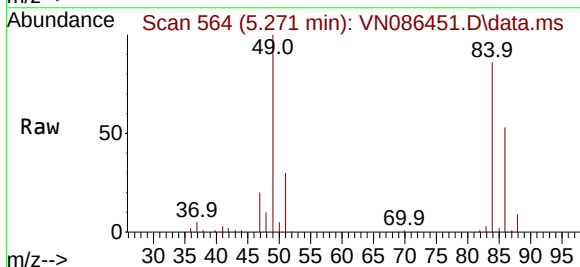
Ion Ratio Lower Upper

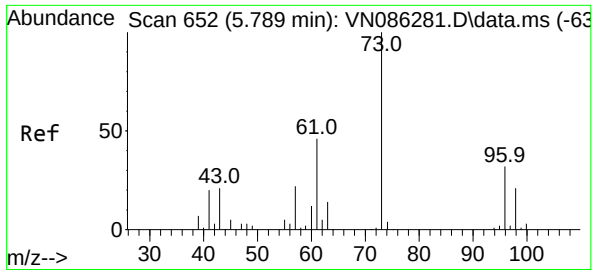
84 100

49 116.5 98.2 147.2

51 34.9 29.8 44.6

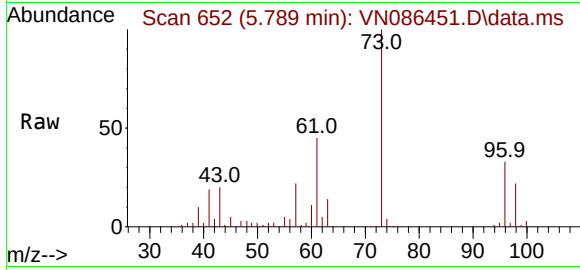
86 61.2 52.0 78.0





#21
trans-1,2-Dichloroethene
Concen: 49.693 ug/l
RT: 5.789 min Scan# 652
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

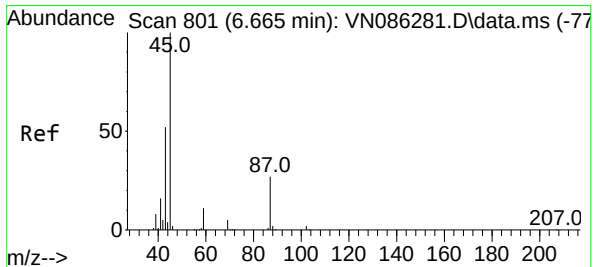
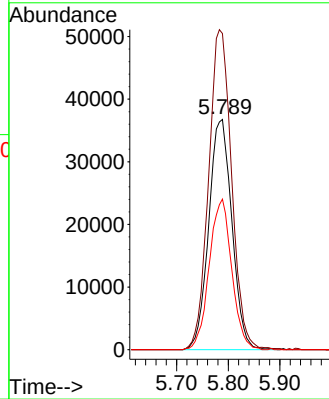
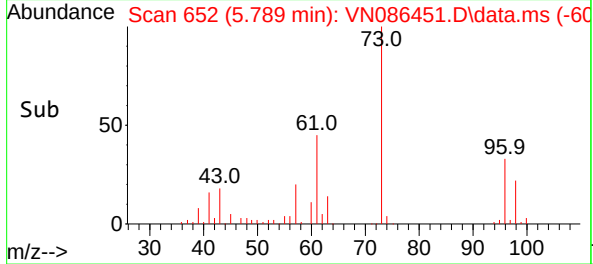
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 96 Resp: 114718
Ion Ratio Lower Upper
96 100
61 137.3 114.6 171.8
98 65.4 51.2 76.8

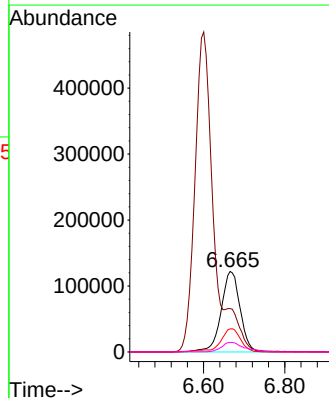
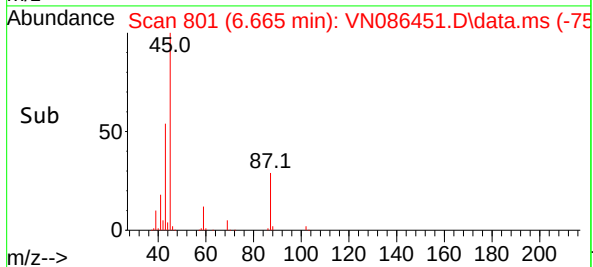
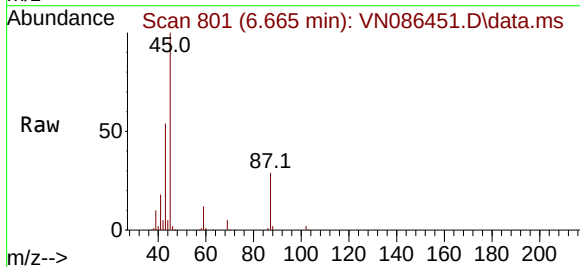
Manual Integrations
APPROVED

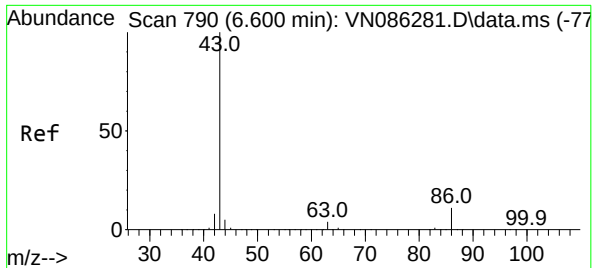
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#22
Diisopropyl ether
Concen: 46.444 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

Tgt Ion: 45 Resp: 396594
Ion Ratio Lower Upper
45 100
43 53.3 41.8 62.8
87 28.7 21.6 32.4
59 11.6 9.0 13.4





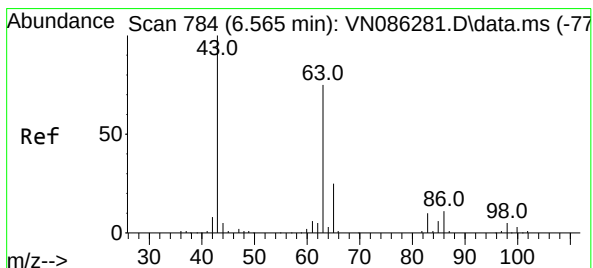
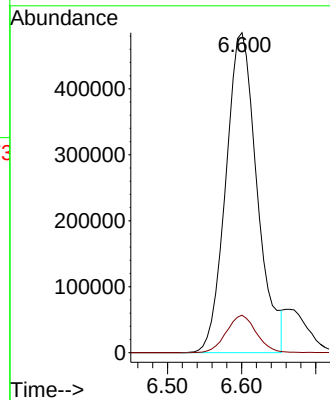
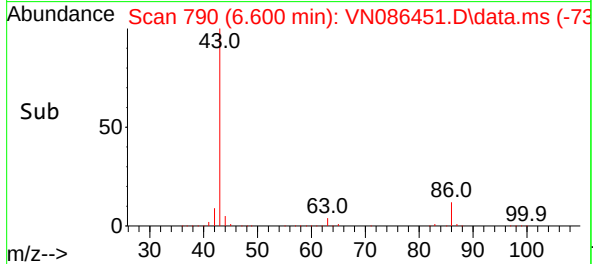
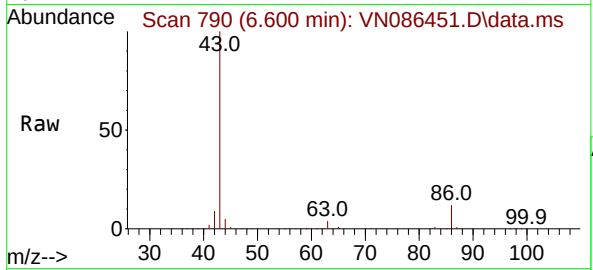
#23
Vinyl Acetate
Concen: 238.308 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 142252
Ion Ratio Lower Upper
43 100
86 11.7 8.6 13.0

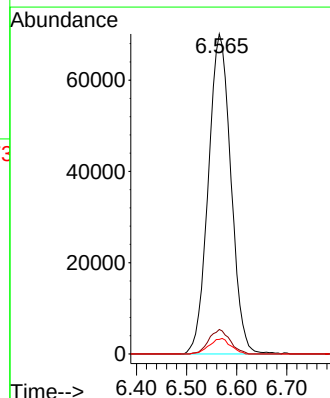
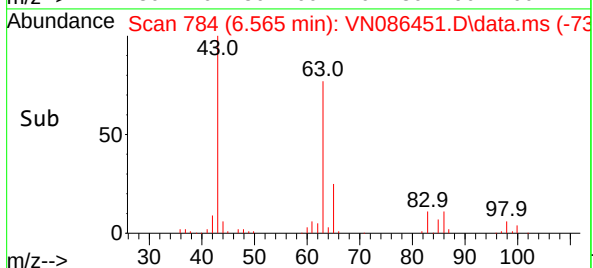
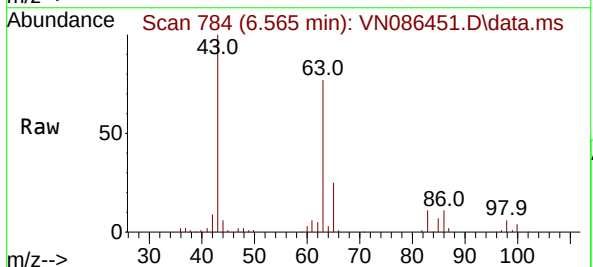
Manual Integrations
APPROVED

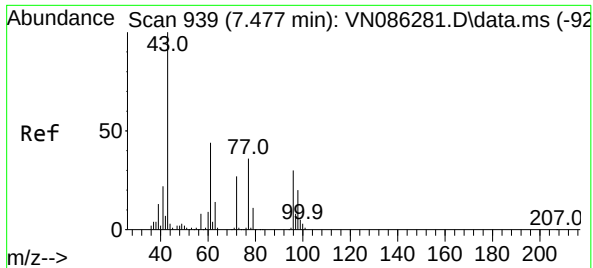
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#24
1,1-Dichloroethane
Concen: 48.720 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

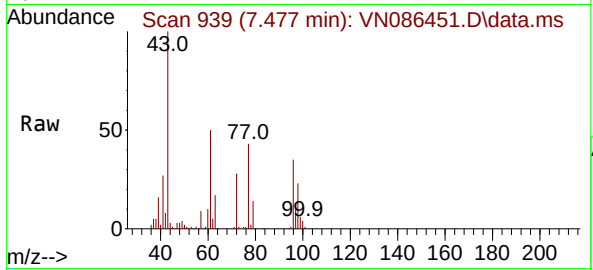
Tgt Ion: 63 Resp: 219507
Ion Ratio Lower Upper
63 100
98 7.6 3.4 10.2
100 4.6 2.1 6.5





#25
2-Butanone
Concen: 216.655 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

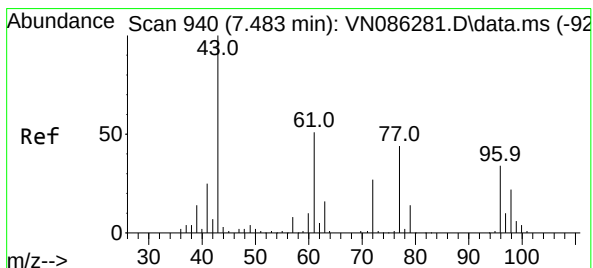
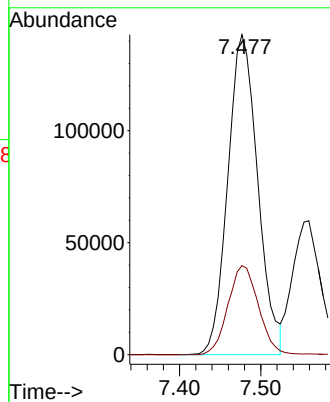
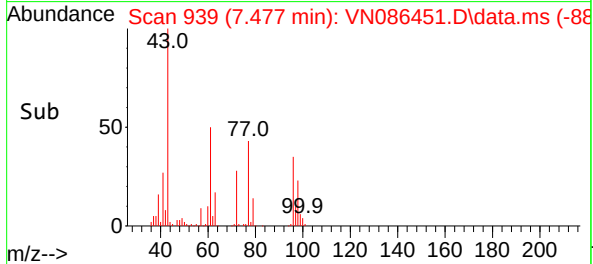
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 36687
Ion Ratio Lower Upper
43 100
72 27.9 21.7 32.5

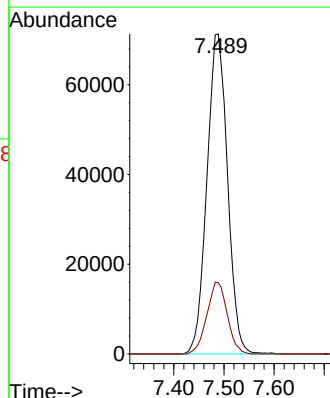
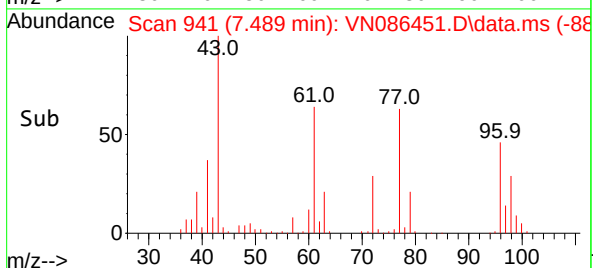
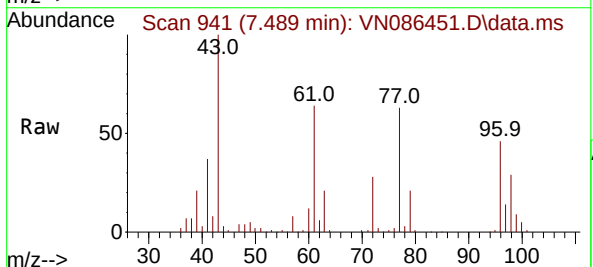
Manual Integrations
APPROVED

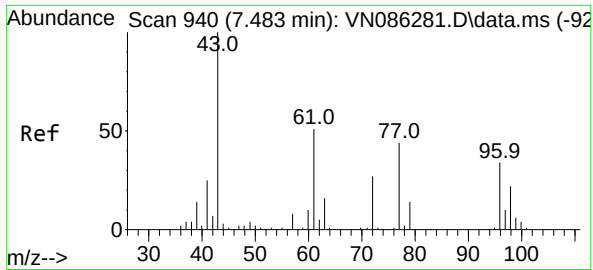
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#26
2,2-Dichloropropane
Concen: 50.512 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

Tgt Ion: 77 Resp: 203766
Ion Ratio Lower Upper
77 100
97 22.2 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 49.852 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.000 min

Lab File: VN086451.D

Acq: 02 May 2025 09:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 142839

Ion Ratio Lower Upper

96 100

61 143.8 0.0 299.0

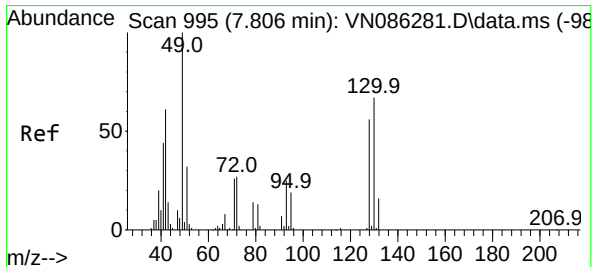
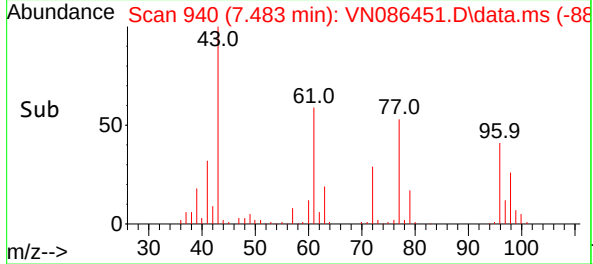
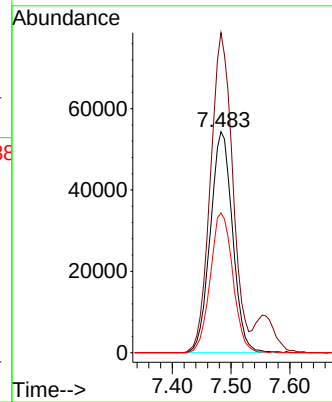
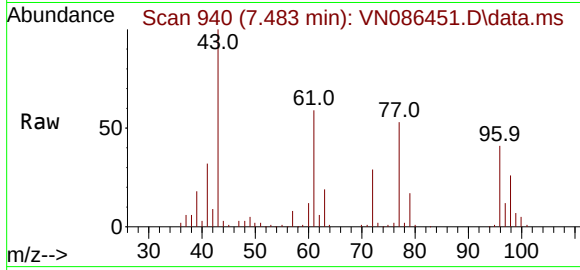
98 63.8 0.0 129.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#28

Bromochloromethane

Concen: 47.745 ug/l

RT: 7.812 min Scan# 996

Delta R.T. 0.006 min

Lab File: VN086451.D

Acq: 02 May 2025 09:21

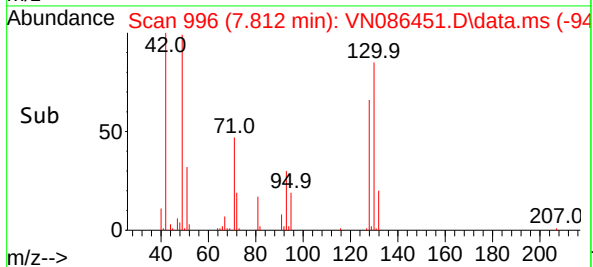
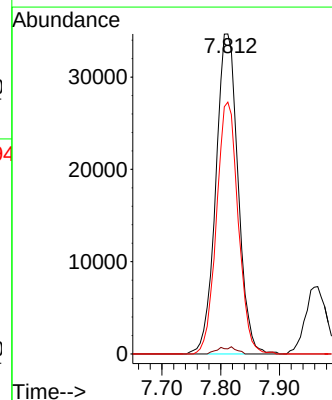
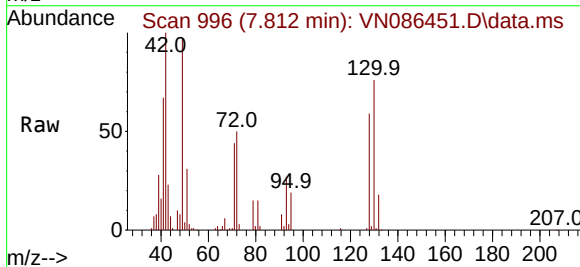
Tgt Ion: 49 Resp: 91209

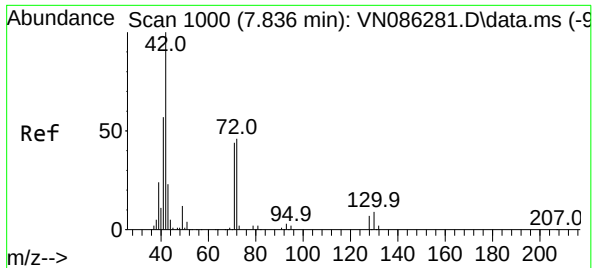
Ion Ratio Lower Upper

49 100

129 1.1 0.0 3.4

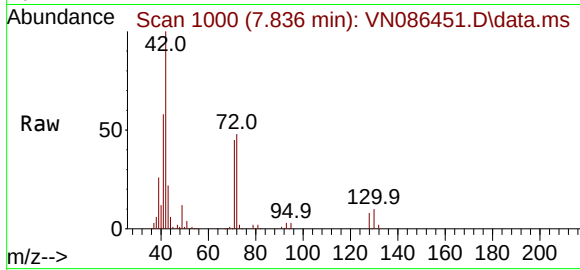
130 76.6 57.1 85.7





#29
Tetrahydrofuran
Concen: 214.587 ug/l
RT: 7.836 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

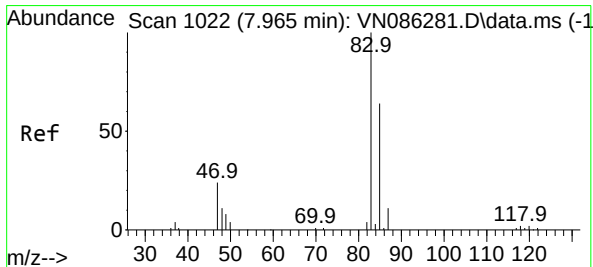
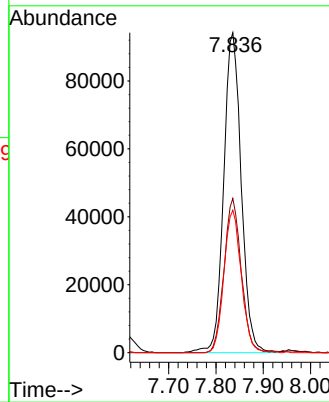
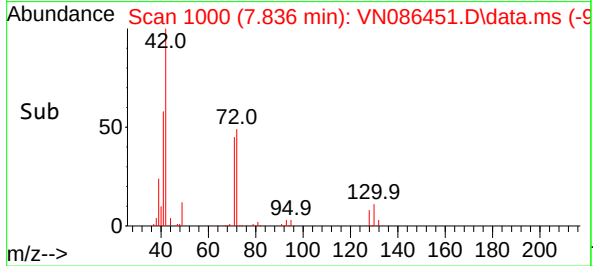
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 42 Resp: 242990
Ion Ratio Lower Upper
42 100
72 47.2 36.2 54.4
71 44.2 34.0 51.0

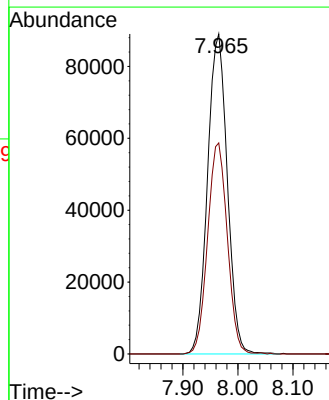
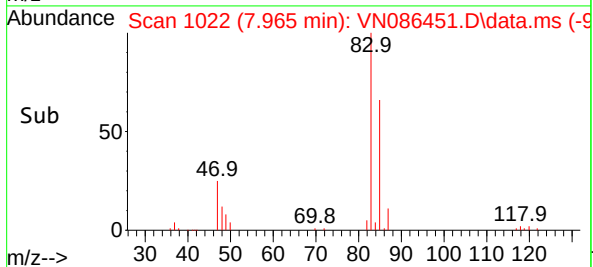
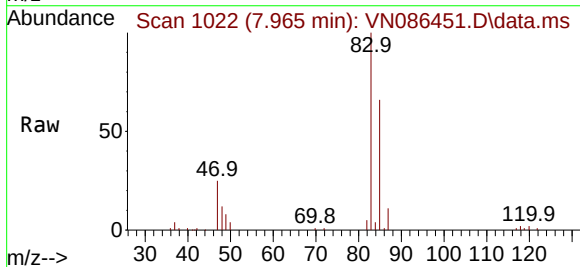
Manual Integrations
APPROVED

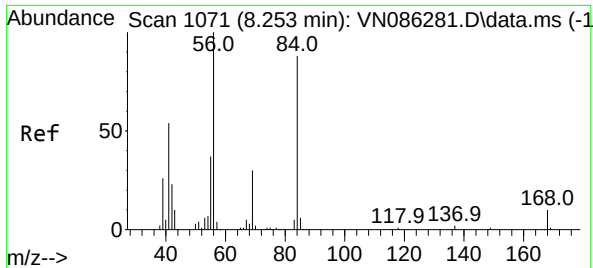
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#30
Chloroform
Concen: 50.137 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

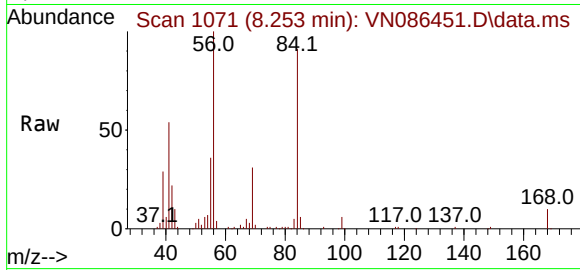
Tgt Ion: 83 Resp: 221901
Ion Ratio Lower Upper
83 100
85 65.9 51.5 77.3





#31
Cyclohexane
Concen: 45.181 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

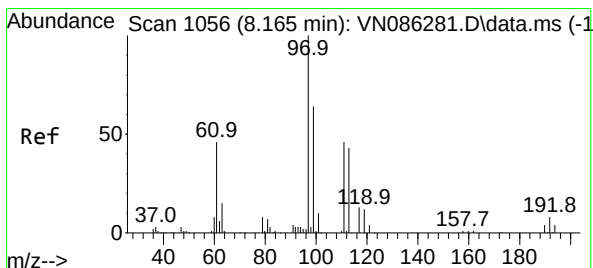
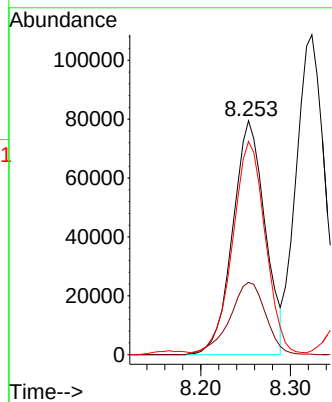
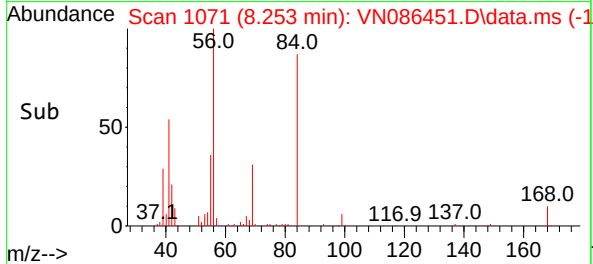
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 56 Resp: 199194
Ion Ratio Lower Upper
56 100
69 30.9 24.2 36.2
84 89.6 70.3 105.5

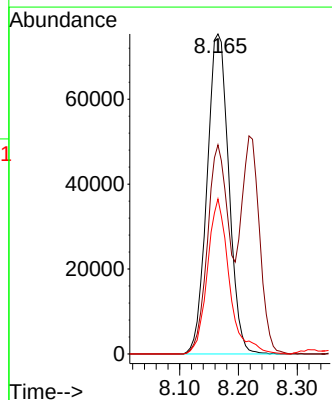
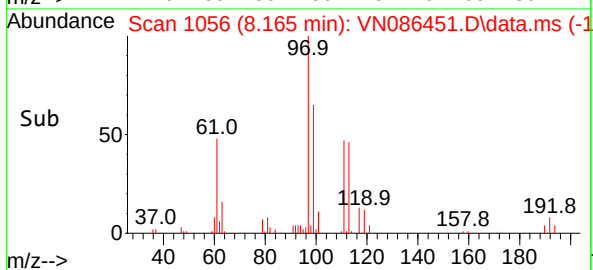
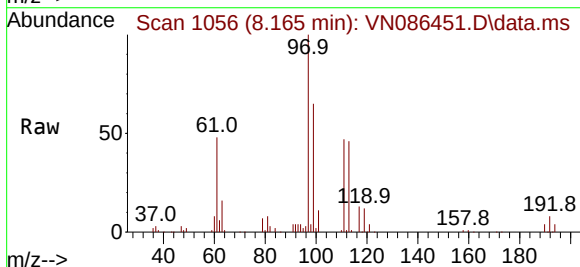
Manual Integrations
APPROVED

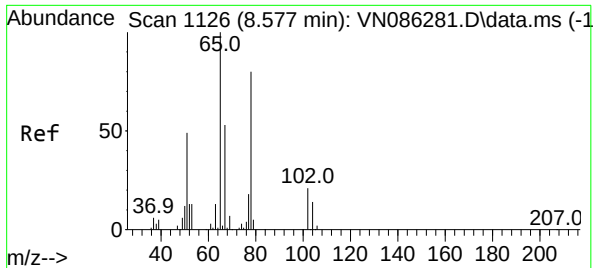
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#32
1,1,1-Trichloroethane
Concen: 51.229 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

Tgt Ion: 97 Resp: 193962
Ion Ratio Lower Upper
97 100
99 64.8 52.7 79.1
61 48.8 39.5 59.3





#33

1,2-Dichloroethane-d4

Concen: 48.254 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086451.D

Acq: 02 May 2025 09:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 13127

Ion Ratio Lower Upper

65 100

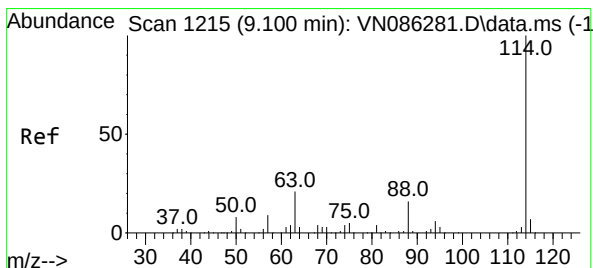
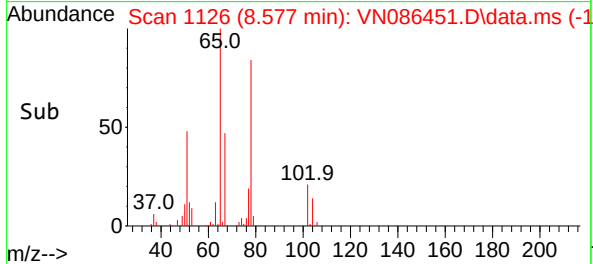
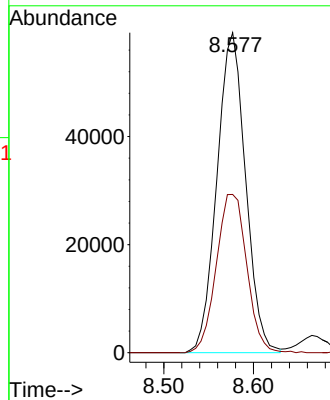
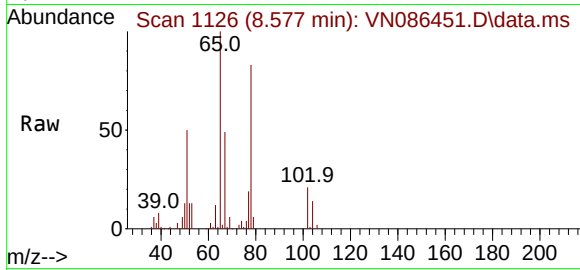
67 52.7 0.0 106.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN086451.D

Acq: 02 May 2025 09:21

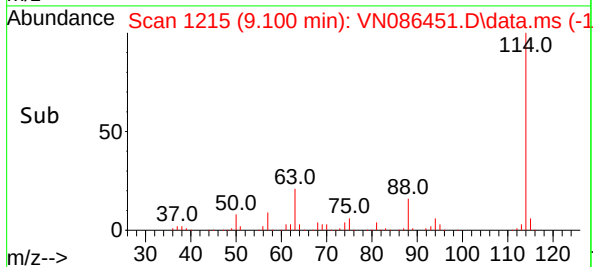
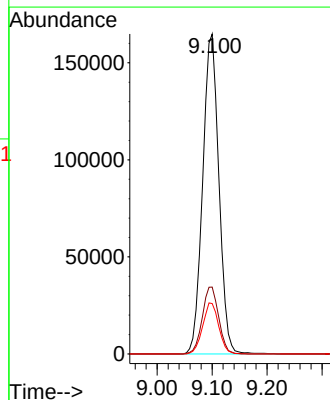
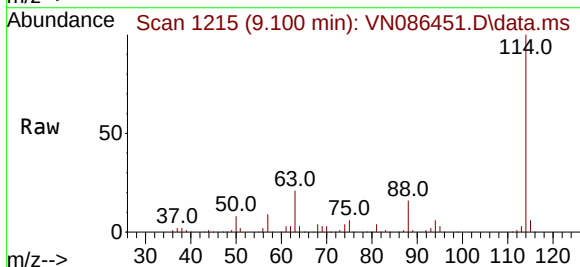
Tgt Ion:114 Resp: 337415

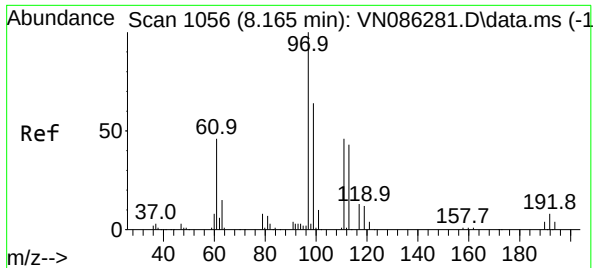
Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

88 15.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 53.023 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086451.D

Acq: 02 May 2025 09:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

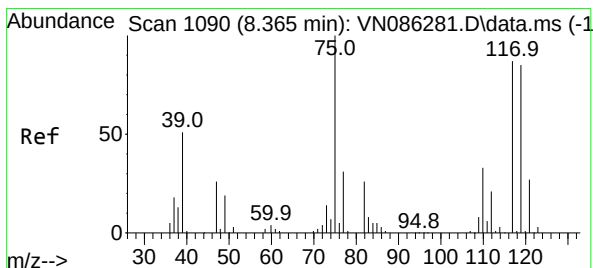
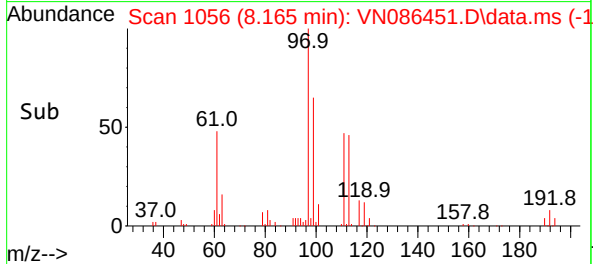
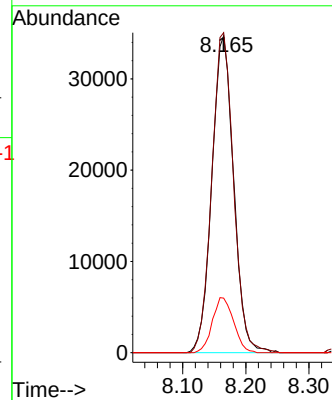
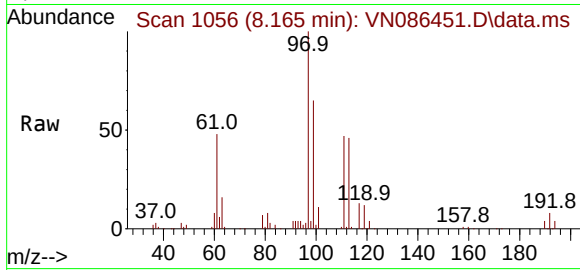
Tgt Ion:	113	Resp:	83034
Ion	Ratio	Lower	Upper
113	100		
111	101.0	83.4	125.0
192	17.0	13.7	20.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#36

1,1-Dichloropropene

Concen: 52.743 ug/l

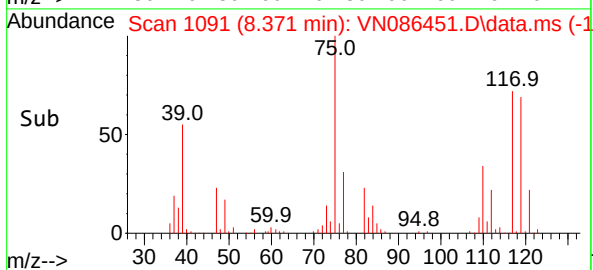
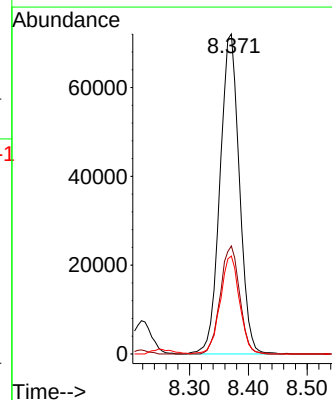
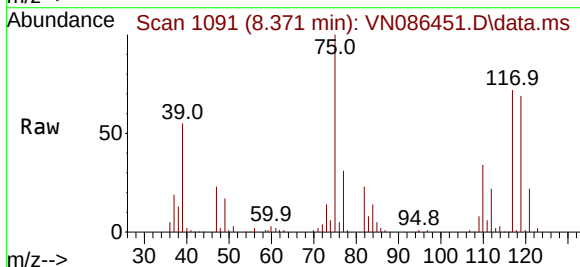
RT: 8.371 min Scan# 1091

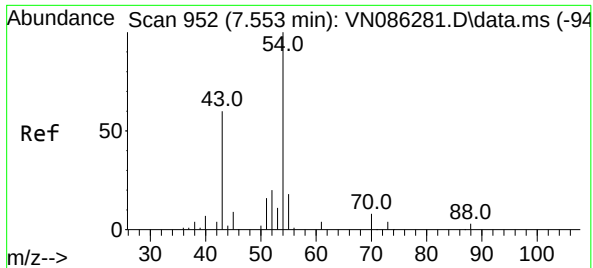
Delta R.T. 0.006 min

Lab File: VN086451.D

Acq: 02 May 2025 09:21

Tgt Ion:	75	Resp:	164969
Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.8	50.4
77	30.6	24.9	37.3





#37

Ethyl Acetate

Concen: 45.651 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN086451.D

Acq: 02 May 2025 09:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 150320

Ion Ratio Lower Upper

43 100

61 13.8 11.1 16.7

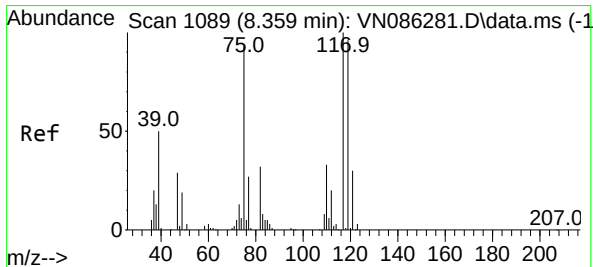
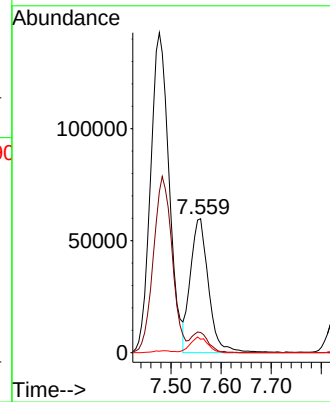
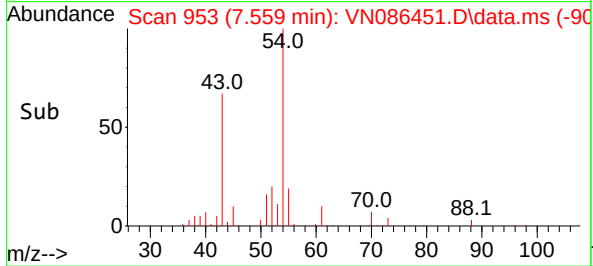
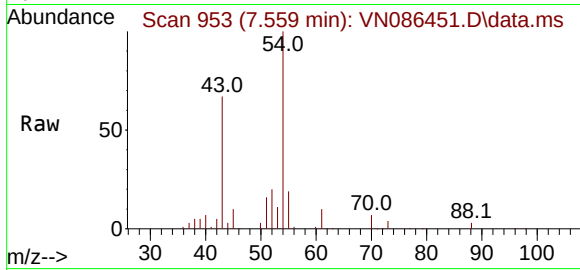
70 11.2 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#38

Carbon Tetrachloride

Concen: 54.650 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VN086451.D

Acq: 02 May 2025 09:21

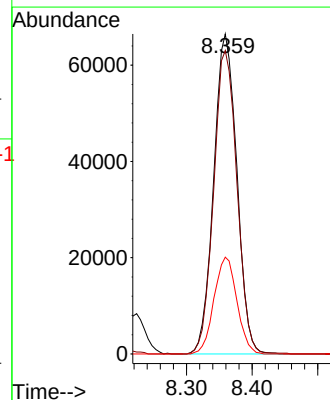
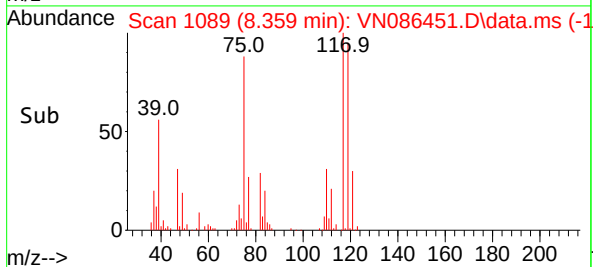
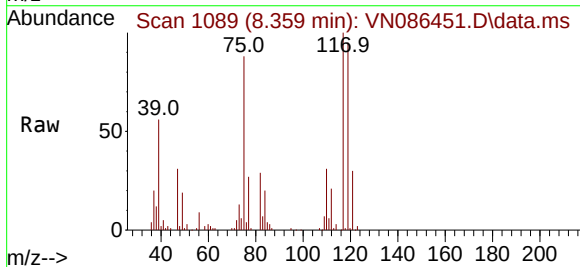
Tgt Ion:117 Resp: 162785

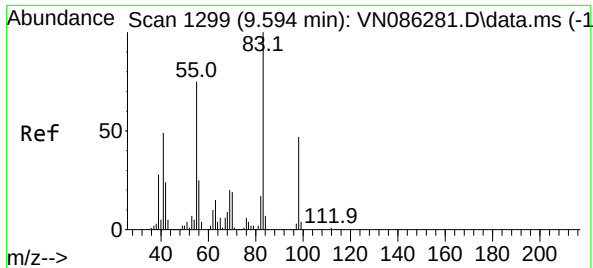
Ion Ratio Lower Upper

117 100

119 94.8 76.8 115.2

121 30.3 23.8 35.8





#39

Methylcyclohexane

Concen: 50.963 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. 0.000 min

Lab File: VN086451.D

Acq: 02 May 2025 09:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 18946

Ion Ratio Lower Upper

83 100

55 73.9 59.8 89.8

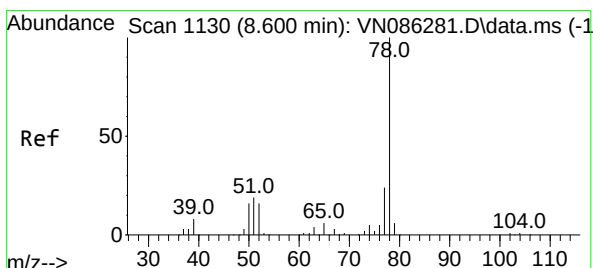
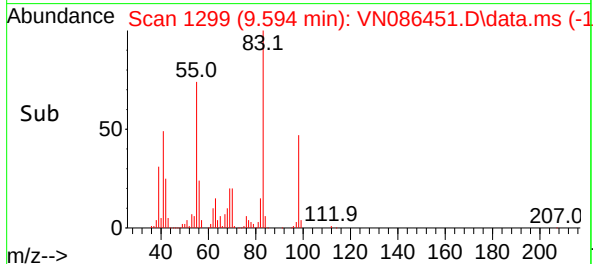
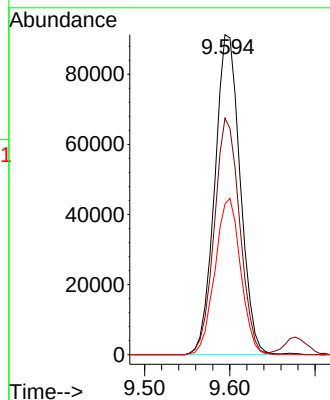
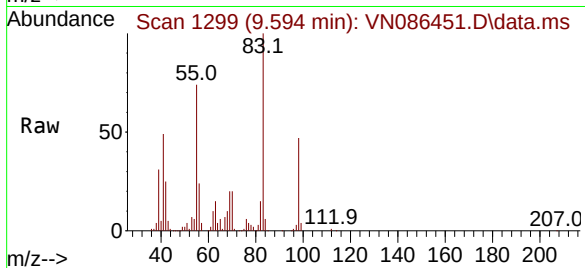
98 47.1 37.9 56.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#40

Benzene

Concen: 51.172 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN086451.D

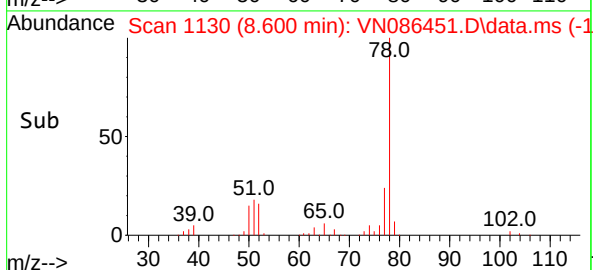
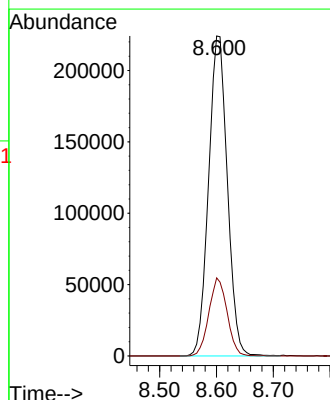
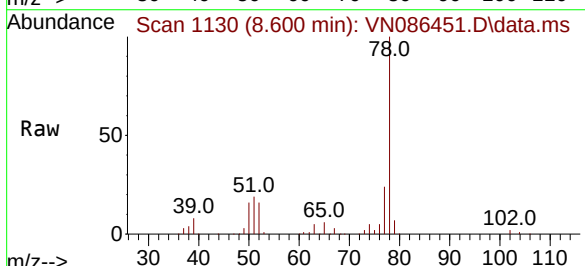
Acq: 02 May 2025 09:21

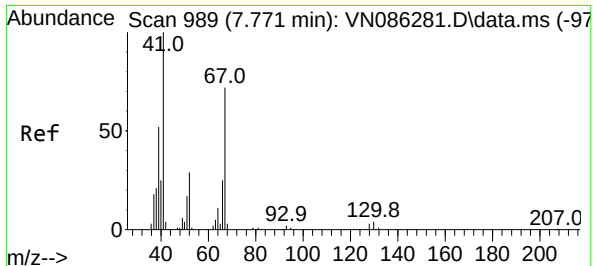
Tgt Ion: 78 Resp: 512813

Ion Ratio Lower Upper

78 100

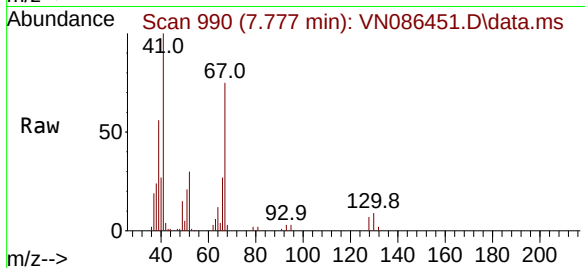
77 24.4 19.4 29.2





#41
Methacrylonitrile
Concen: 44.745 ug/l
RT: 7.777 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

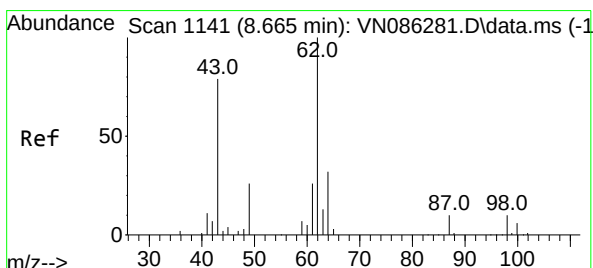
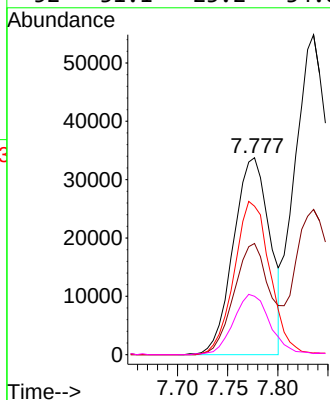
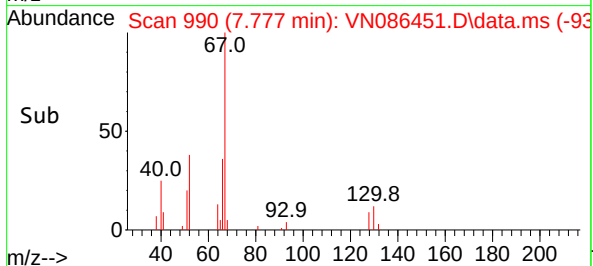
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 41 Resp: 8539
Ion Ratio Lower Upper
41 100
39 58.1 43.0 64.4
67 76.9 58.8 88.2
52 31.1 23.2 34.8

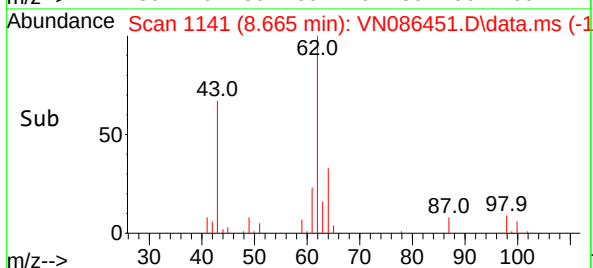
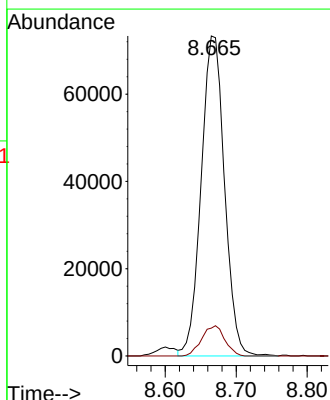
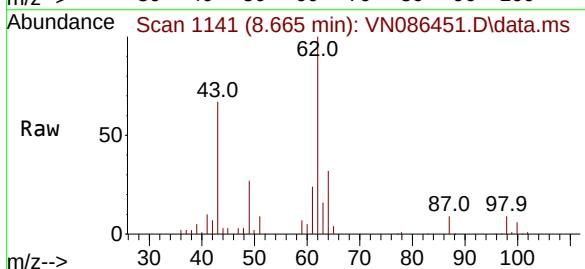
Manual Integrations
APPROVED

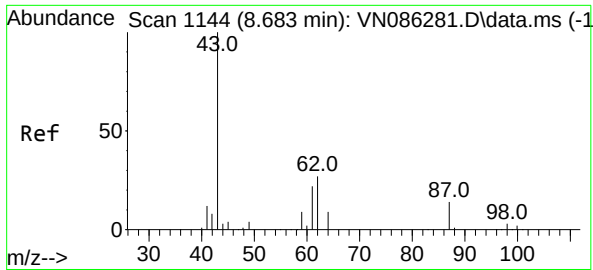
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#42
1,2-Dichloroethane
Concen: 52.448 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

Tgt Ion: 62 Resp: 167611
Ion Ratio Lower Upper
62 100
98 9.3 0.0 19.2





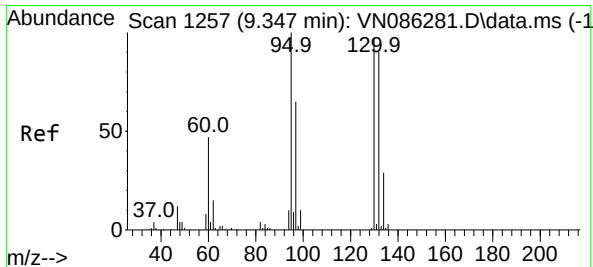
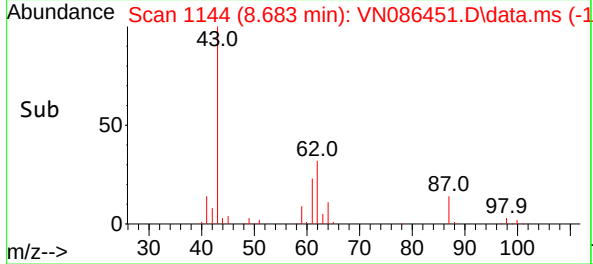
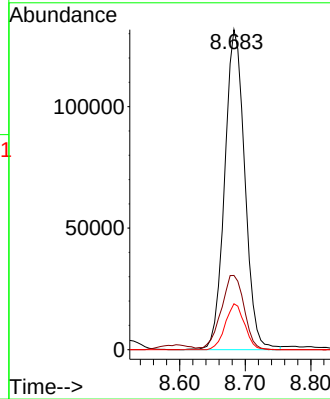
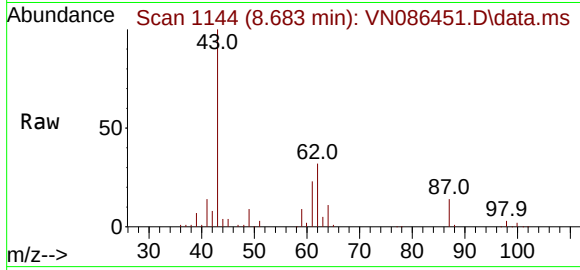
#43
Isopropyl Acetate
Concen: 47.433 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 280380
Ion Ratio Lower Upper
43 100
61 26.6 20.5 30.7
87 13.8 10.5 15.7

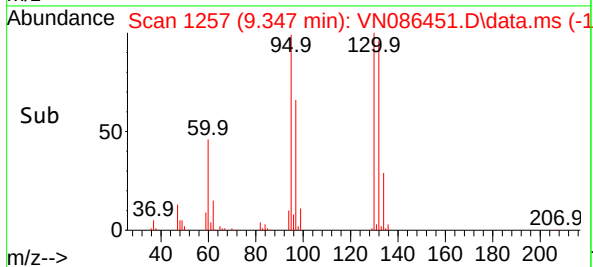
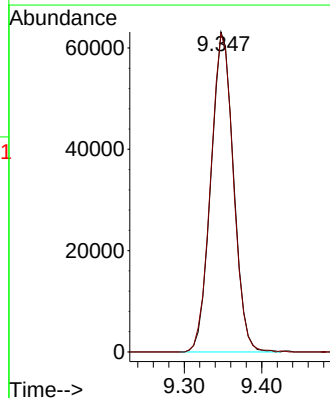
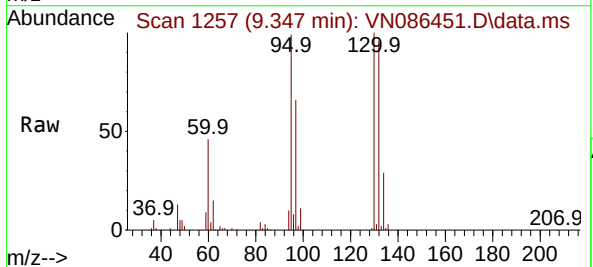
Manual Integrations
APPROVED

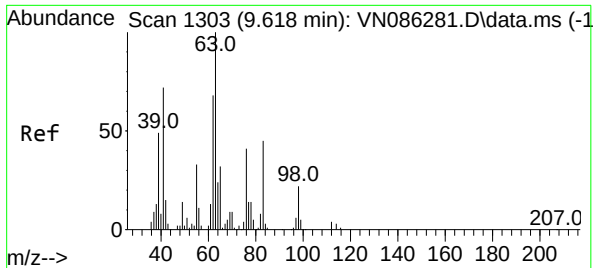
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#44
Trichloroethene
Concen: 53.696 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

Tgt Ion:130 Resp: 127540
Ion Ratio Lower Upper
130 100
95 99.5 0.0 207.2





#45

1,2-Dichloropropane

Concen: 49.804 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN086451.D

Acq: 02 May 2025 09:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 12217

Ion Ratio Lower Upper

63 100

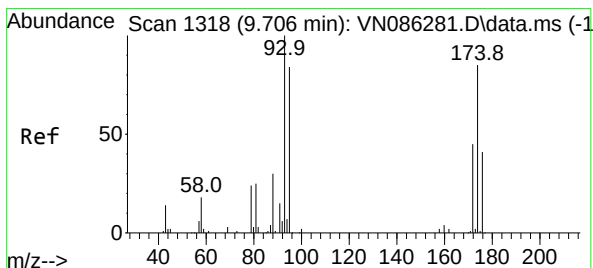
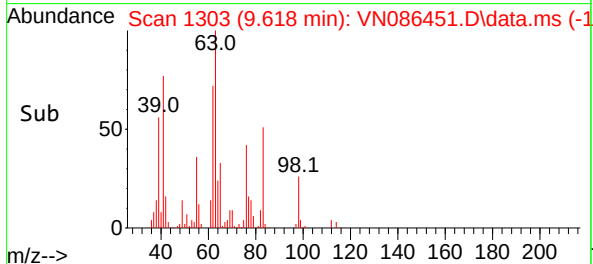
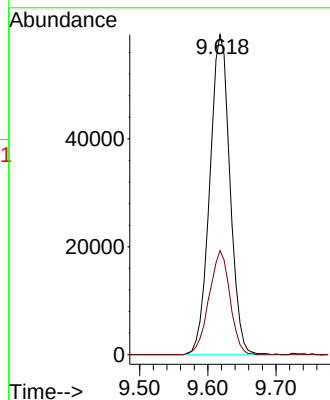
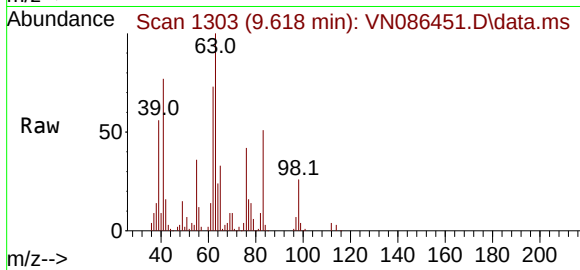
65 32.5 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#46

Dibromomethane

Concen: 54.808 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN086451.D

Acq: 02 May 2025 09:21

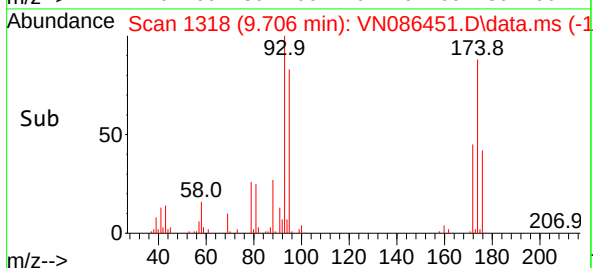
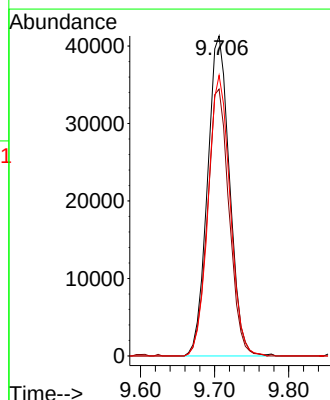
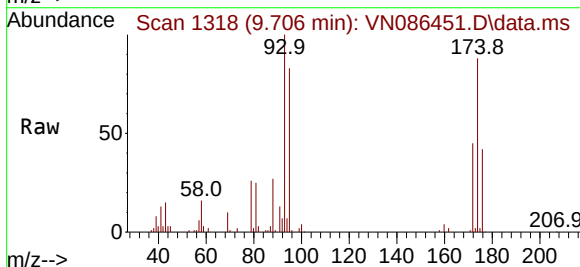
Tgt Ion: 93 Resp: 85662

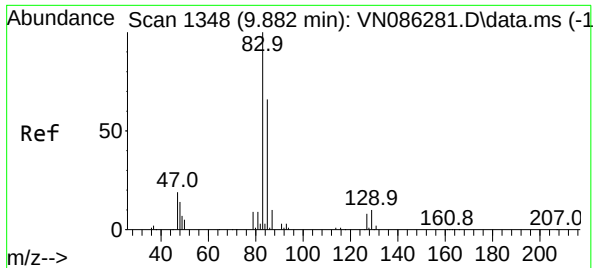
Ion Ratio Lower Upper

93 100

95 81.7 66.2 99.4

174 86.9 67.8 101.6





#47

Bromodichloromethane

Concen: 52.834 ug/l

RT: 9.883 min Scan# 1348

Delta R.T. 0.000 min

Lab File: VN086451.D

Acq: 02 May 2025 09:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

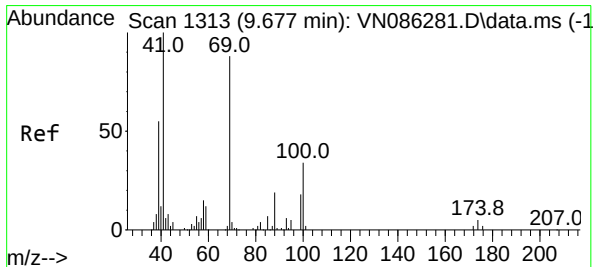
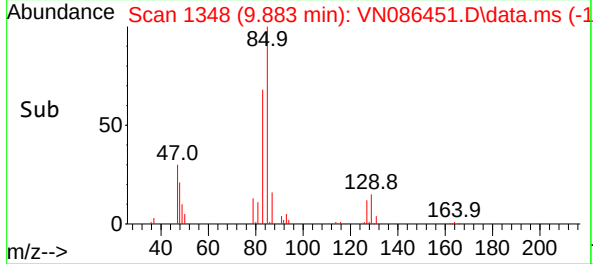
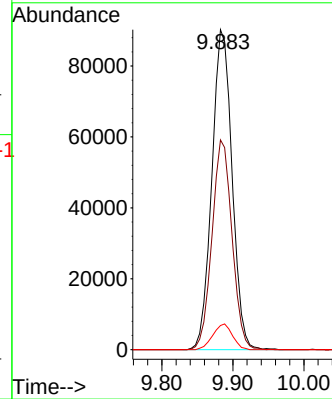
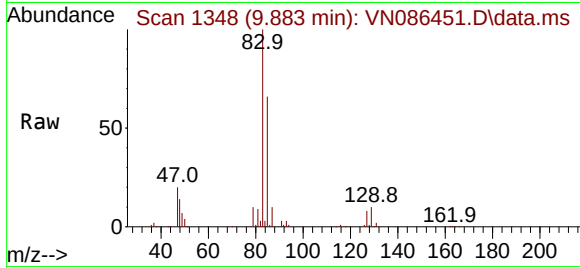
Tgt Ion:	83	Resp:	17835
Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.6	78.8
127	7.5	6.1	9.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#48

Methyl methacrylate

Concen: 44.954 ug/l

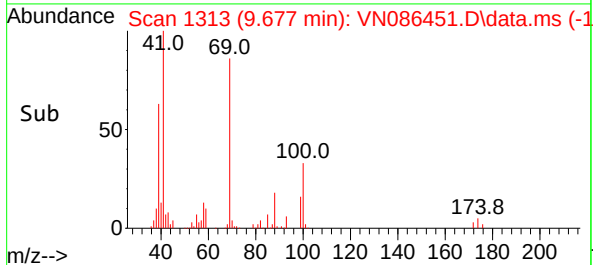
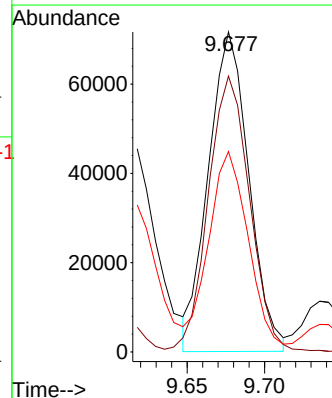
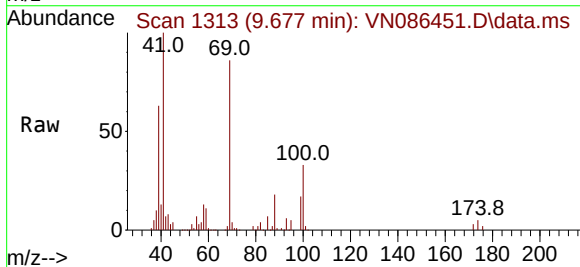
RT: 9.677 min Scan# 1313

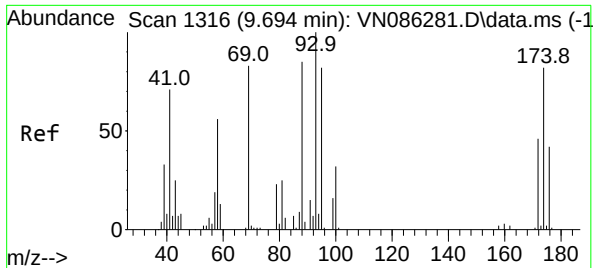
Delta R.T. 0.000 min

Lab File: VN086451.D

Acq: 02 May 2025 09:21

Tgt Ion:	41	Resp:	129996
Ion	Ratio	Lower	Upper
41	100		
69	88.7	68.2	102.2
39	62.2	45.2	67.8





#49

1,4-Dioxane

Concen: 901.597 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN086451.D

Acq: 02 May 2025 09:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 44348

Ion Ratio Lower Upper

88 100

43 29.5 23.8 35.8

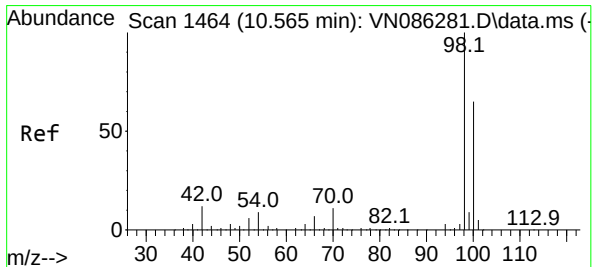
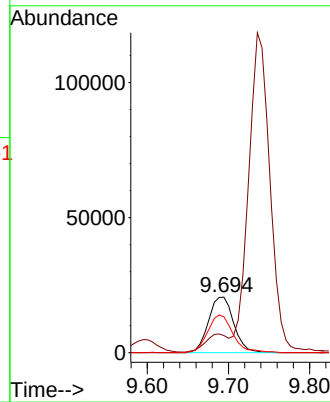
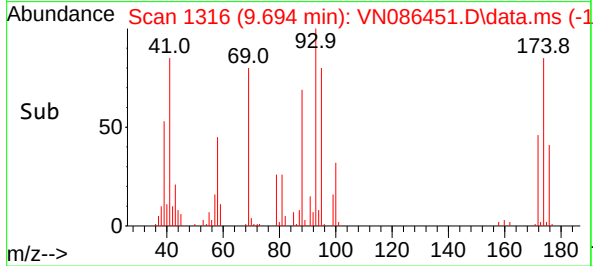
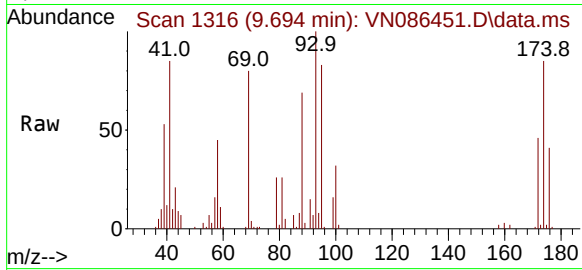
58 68.3 57.4 86.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#50

Toluene-d8

Concen: 50.938 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN086451.D

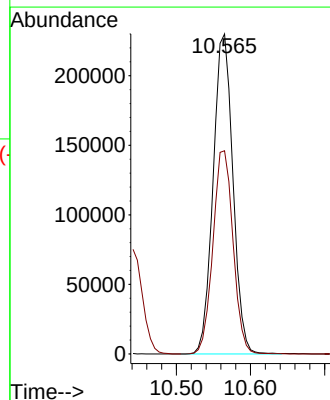
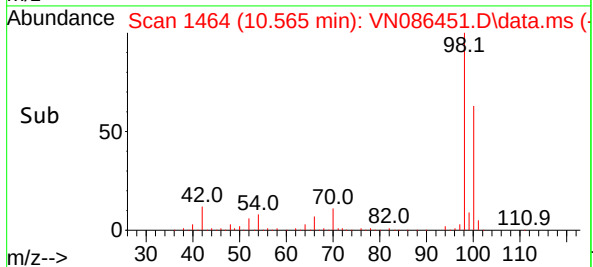
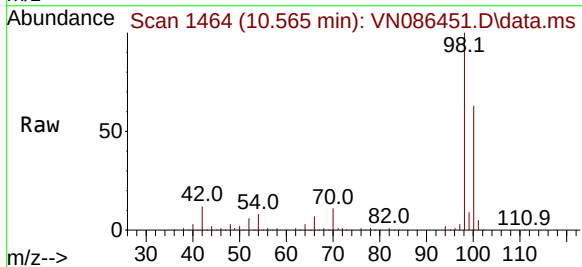
Acq: 02 May 2025 09:21

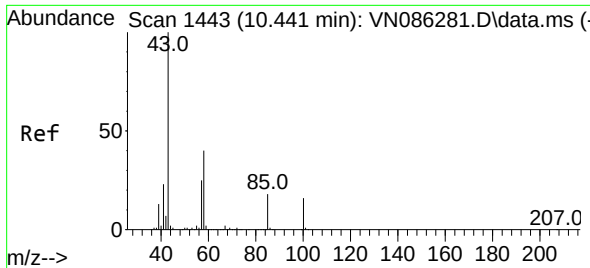
Tgt Ion: 98 Resp: 426318

Ion Ratio Lower Upper

98 100

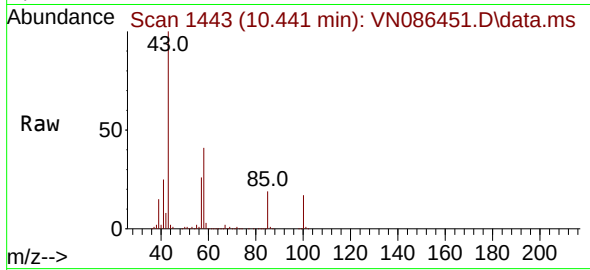
100 64.7 52.5 78.7





#51
4-Methyl-2-Pentanone
Concen: 235.831 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

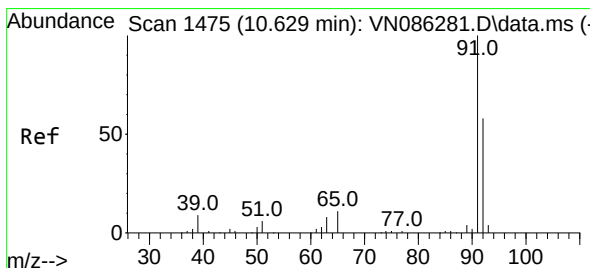
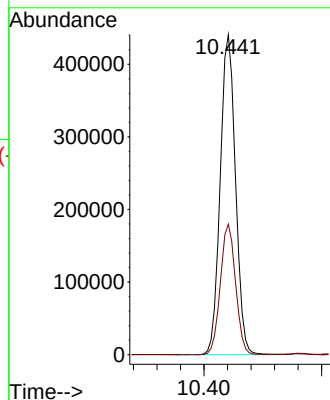
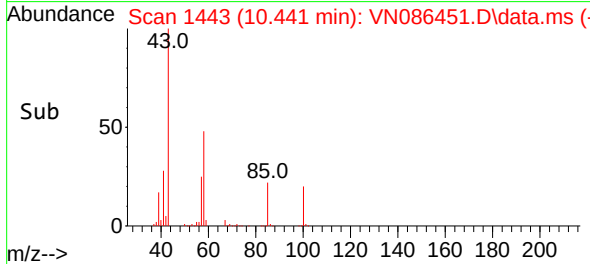
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



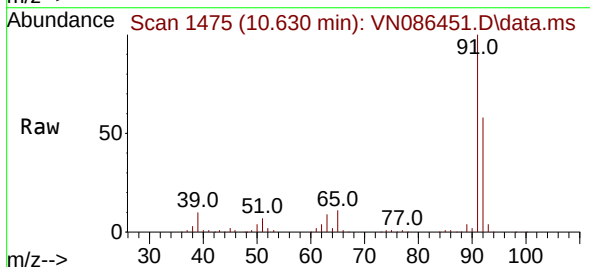
Tgt Ion: 43 Resp: 795220
Ion Ratio Lower Upper
43 100
58 40.6 32.2 48.4

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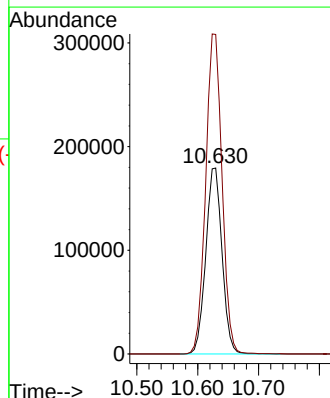
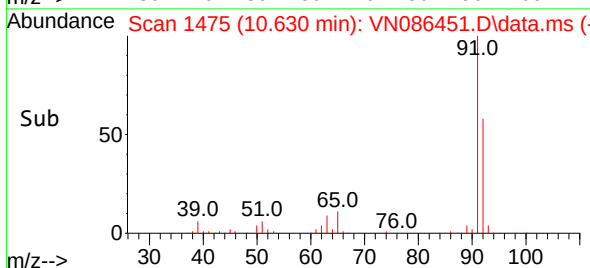
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

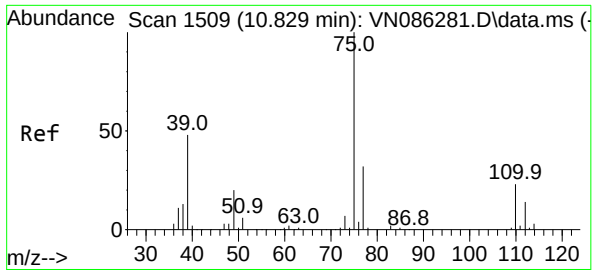


#52
Toluene
Concen: 53.113 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21



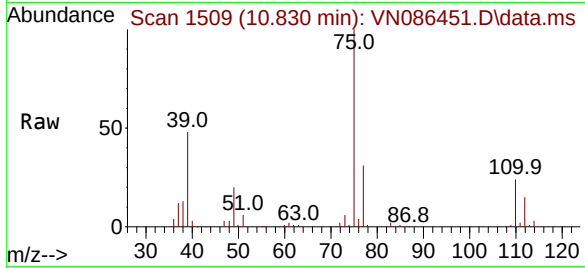
Tgt Ion: 92 Resp: 332120
Ion Ratio Lower Upper
92 100
91 173.1 137.3 205.9





#53
t-1,3-Dichloropropene
Concen: 53.360 ug/l
RT: 10.830 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

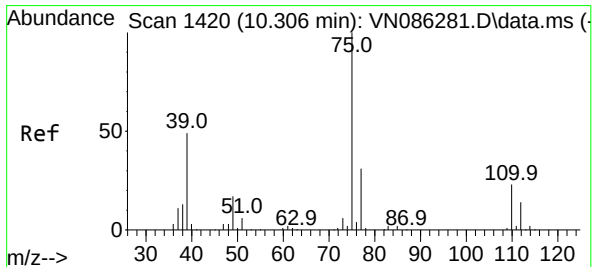
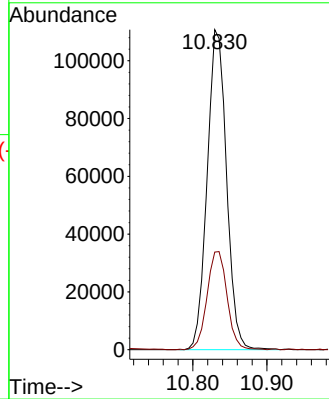
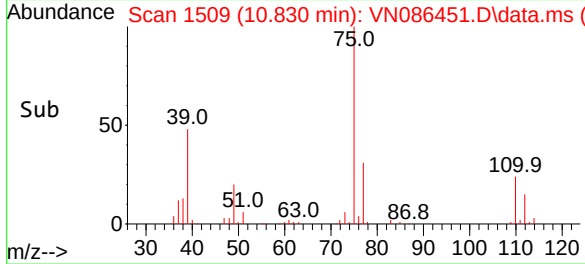
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 201072
Ion Ratio Lower Upper
75 100
77 30.5 25.4 38.0

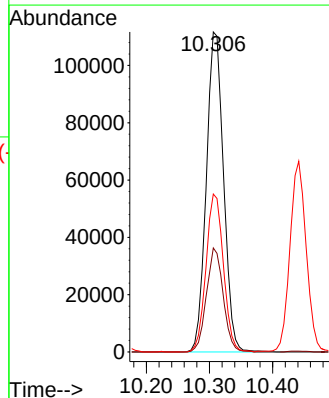
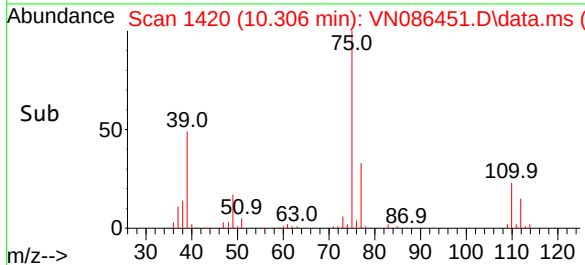
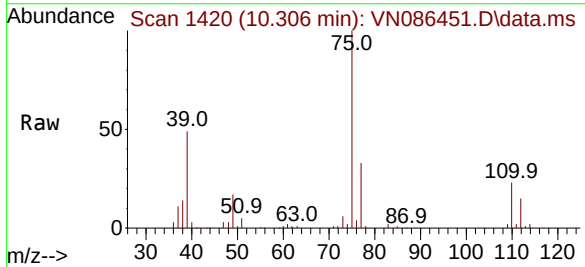
Manual Integrations
APPROVED

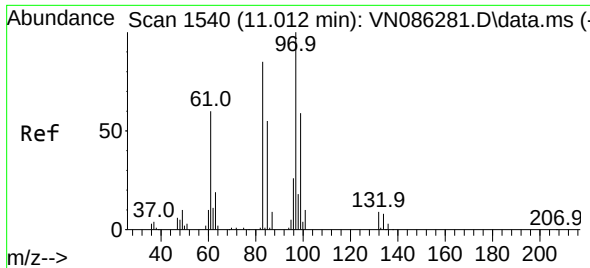
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#54
cis-1,3-Dichloropropene
Concen: 51.261 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

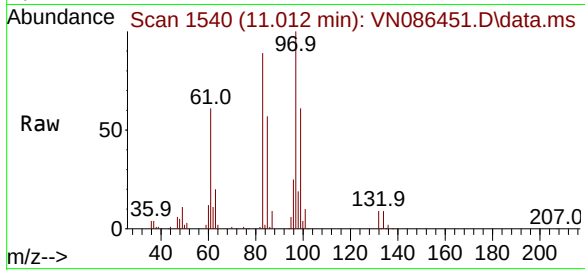
Tgt Ion: 75 Resp: 212160
Ion Ratio Lower Upper
75 100
77 32.5 25.2 37.8
39 49.4 39.3 58.9





#55
1,1,2-Trichloroethane
Concen: 52.448 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

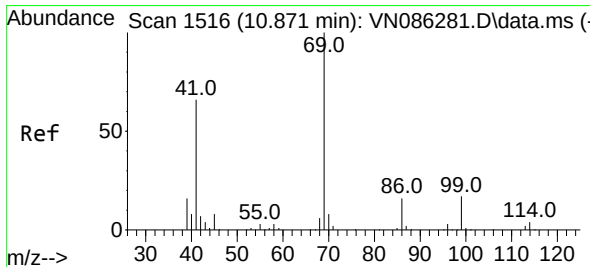
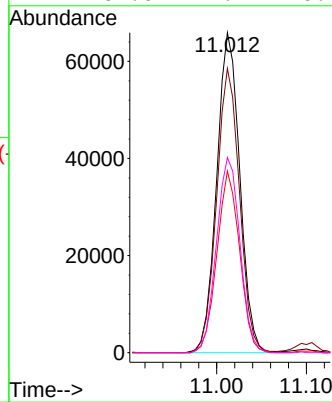
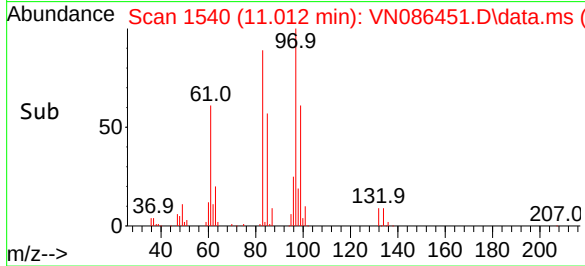
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 97 Resp: 117990
Ion Ratio Lower Upper
97 100
83 88.8 68.4 102.6
85 56.8 43.9 65.9
99 61.0 47.2 70.8

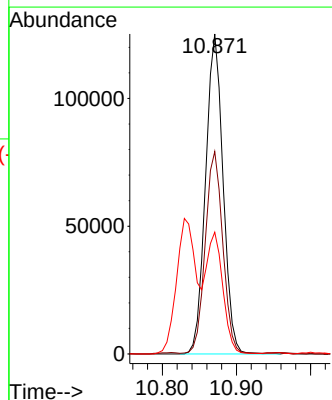
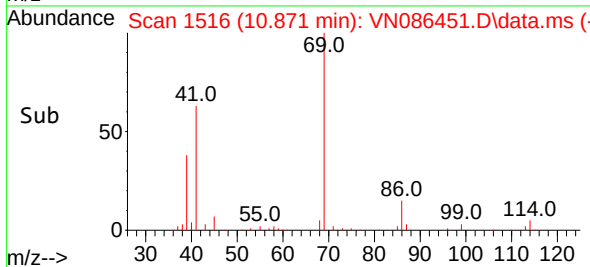
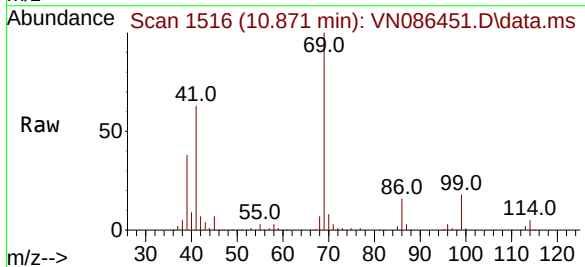
Manual Integrations
APPROVED

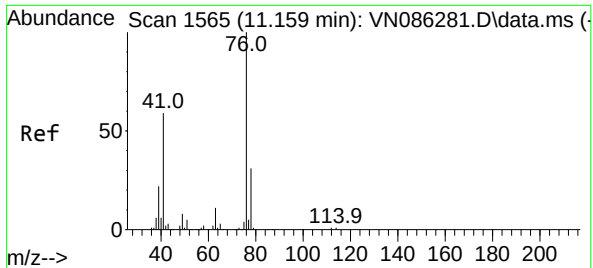
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#56
Ethyl methacrylate
Concen: 49.615 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

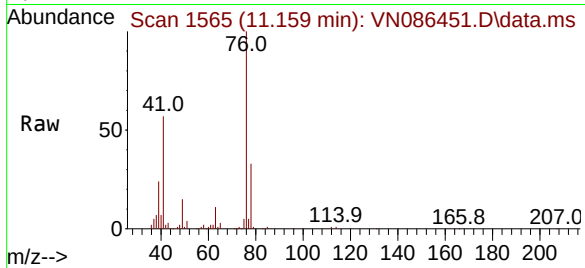
Tgt Ion: 69 Resp: 205181
Ion Ratio Lower Upper
69 100
41 63.0 51.7 77.5
39 35.2 26.3 39.5





#57
1,3-Dichloropropane
Concen: 52.376 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

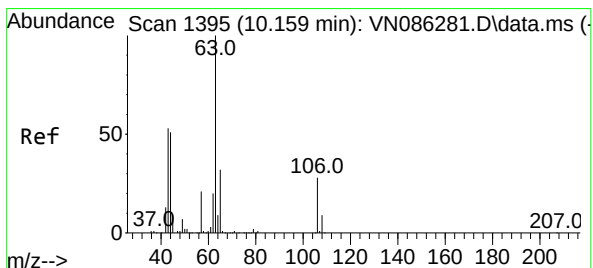
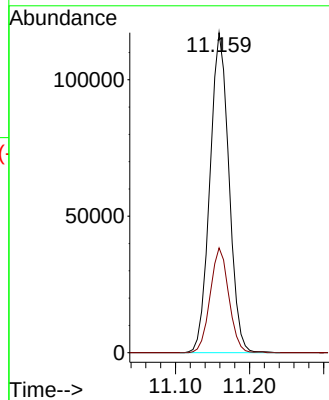
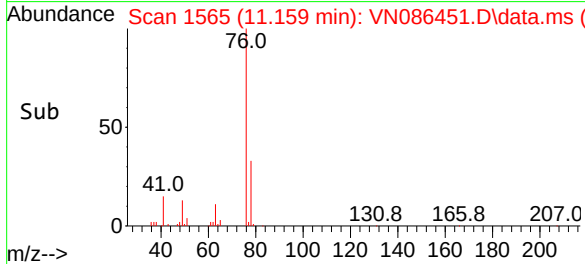
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 76 Resp: 209068
Ion Ratio Lower Upper
76 100
78 32.1 25.6 38.4

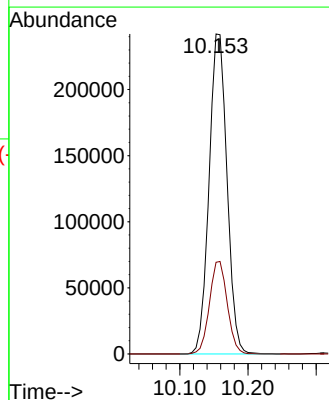
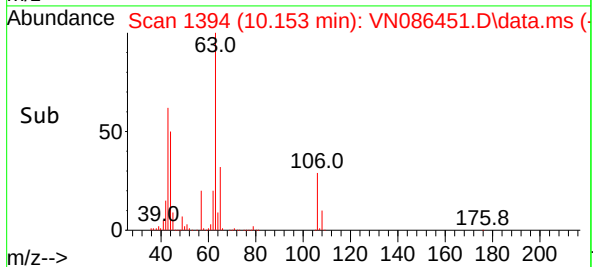
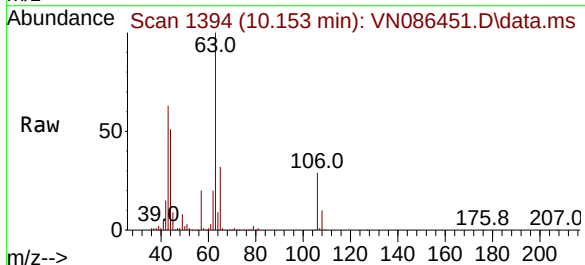
Manual Integrations
APPROVED

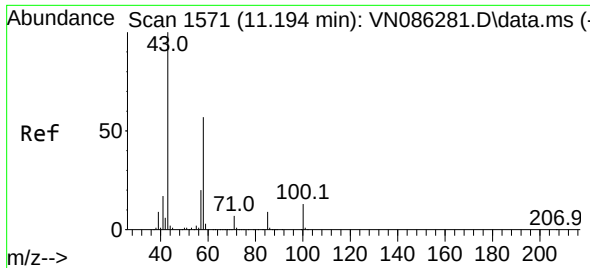
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#58
2-Chloroethyl Vinyl ether
Concen: 225.630 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

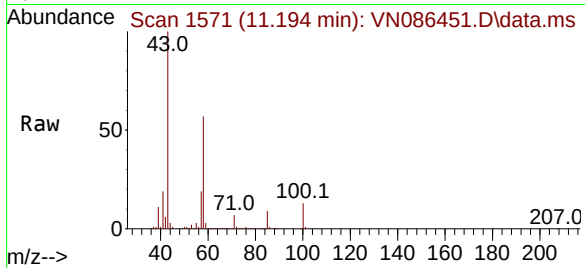
Tgt Ion: 63 Resp: 442871
Ion Ratio Lower Upper
63 100
106 28.7 22.2 33.2





#59
2-Hexanone
Concen: 232.226 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

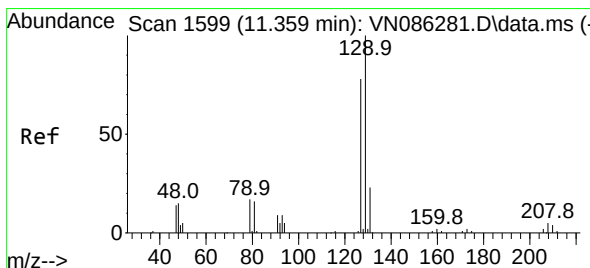
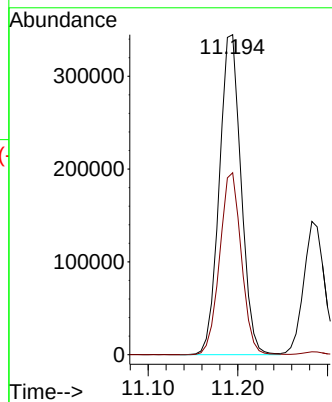
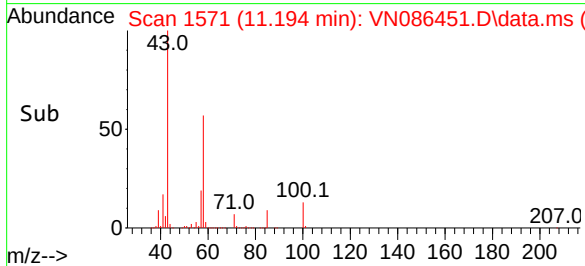
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 580824
Ion Ratio Lower Upper
43 100
58 56.6 28.3 85.0

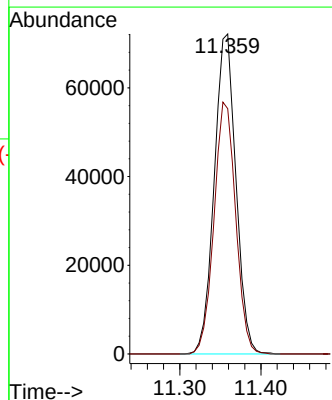
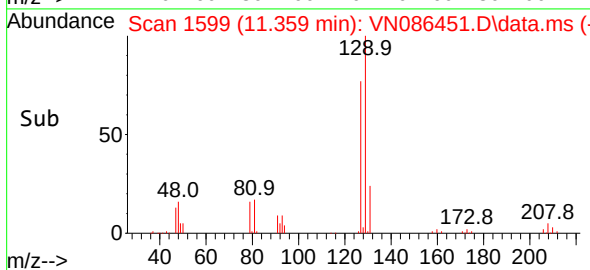
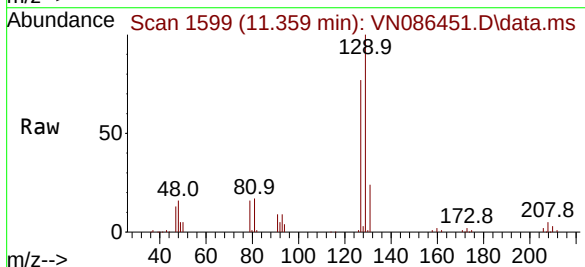
Manual Integrations
APPROVED

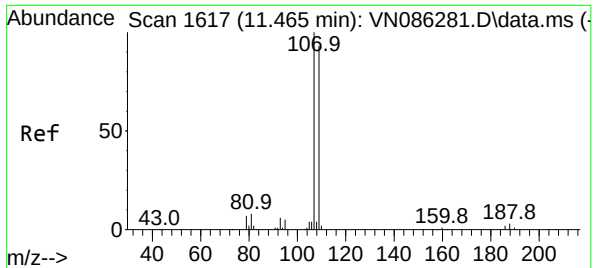
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#60
Dibromochloromethane
Concen: 54.197 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

Tgt Ion:129 Resp: 133893
Ion Ratio Lower Upper
129 100
127 78.6 38.7 116.1





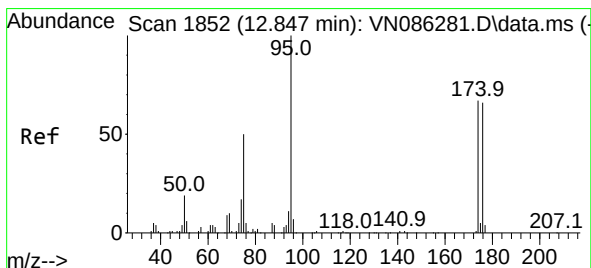
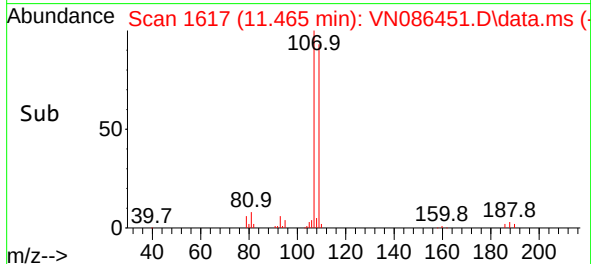
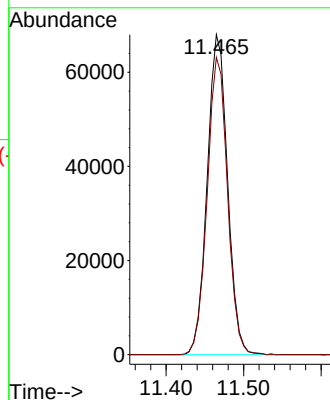
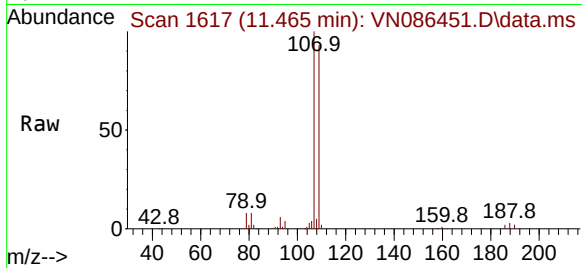
#61
1,2-Dibromoethane
Concen: 54.664 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 124093
Ion Ratio Lower Upper
107 100
109 92.7 75.4 113.0

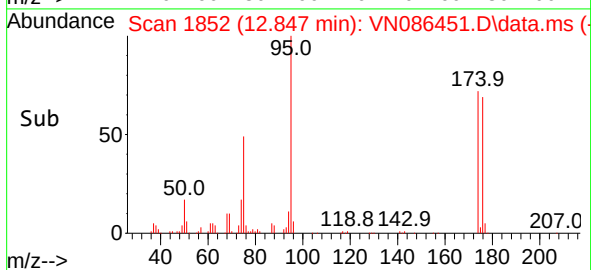
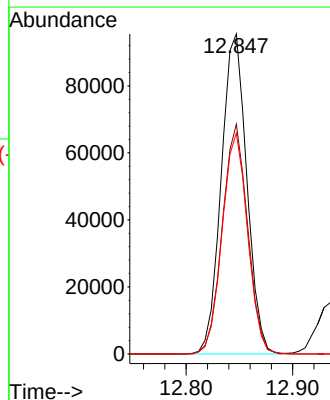
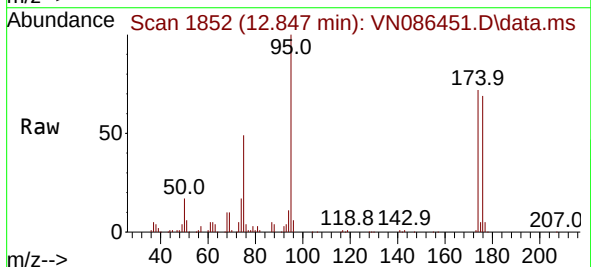
Manual Integrations
APPROVED

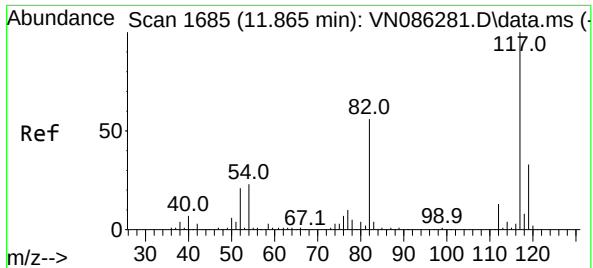
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#62
4-Bromofluorobenzene
Concen: 52.060 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

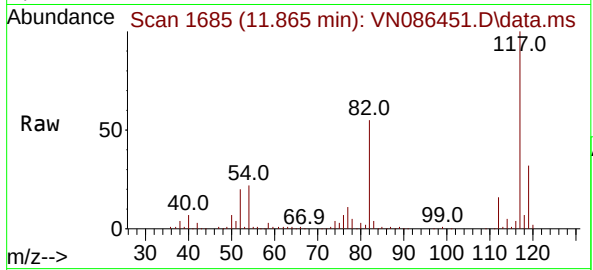
Tgt Ion: 95 Resp: 158923
Ion Ratio Lower Upper
95 100
174 71.0 0.0 133.4
176 68.6 0.0 129.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

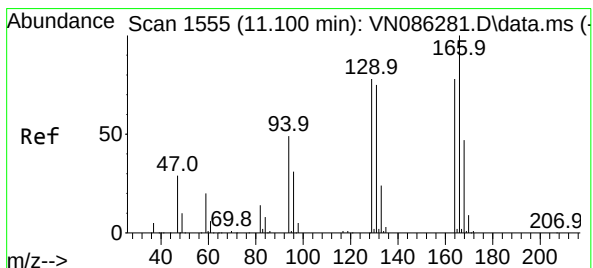
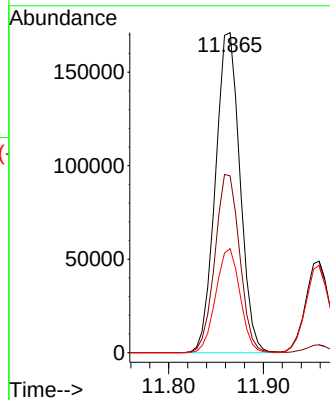
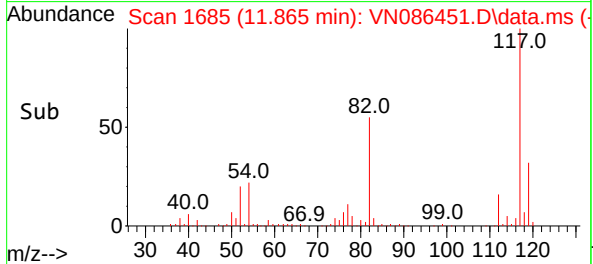
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



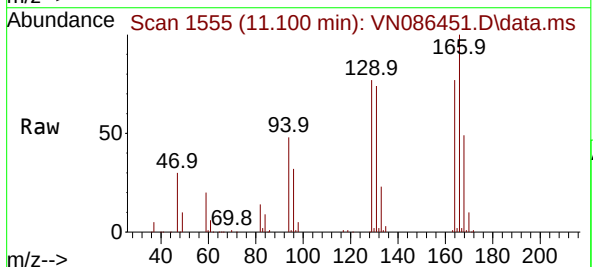
Tgt Ion:117 Resp: 308780
Ion Ratio Lower Upper
117 100
82 55.3 44.7 67.1
119 32.5 26.4 39.6

Manual Integrations
APPROVED

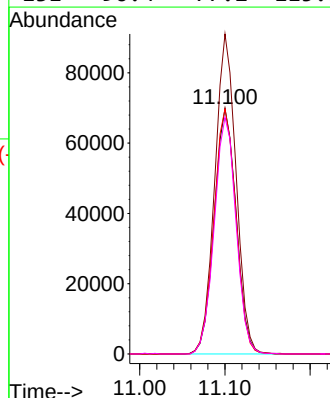
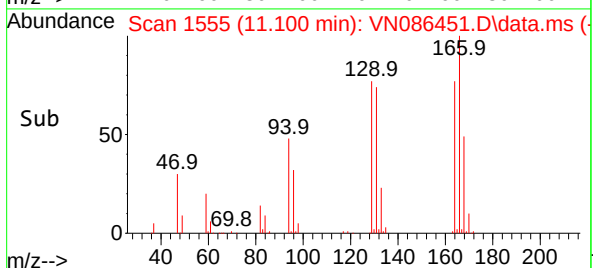
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

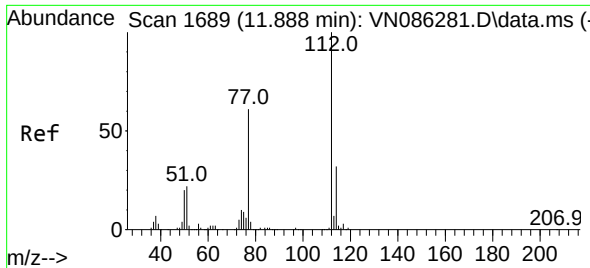


#64
Tetrachloroethene
Concen: 52.837 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21



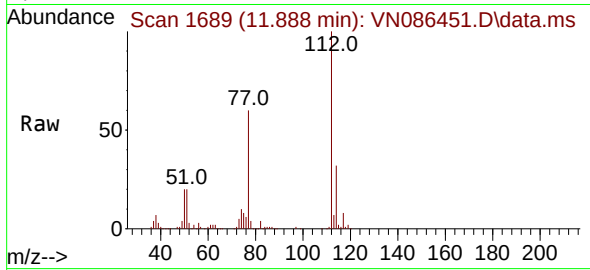
Tgt Ion:164 Resp: 125496
Ion Ratio Lower Upper
164 100
166 130.4 103.0 154.4
129 99.9 80.1 120.1
131 96.4 77.2 115.8





#65
Chlorobenzene
Concen: 52.334 ug/l
RT: 11.888 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

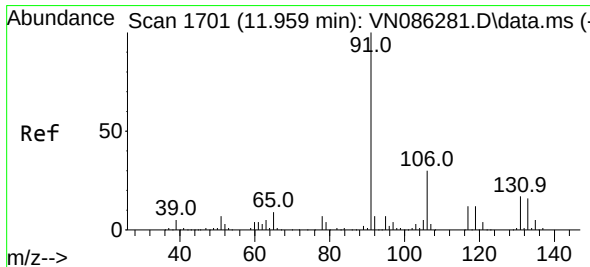
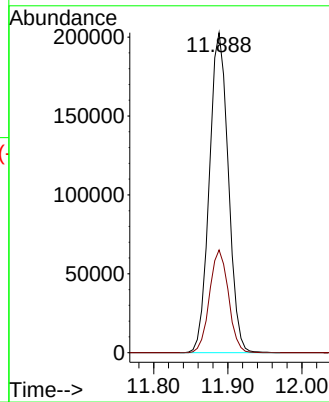
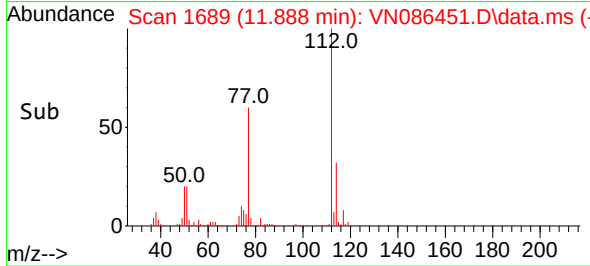
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



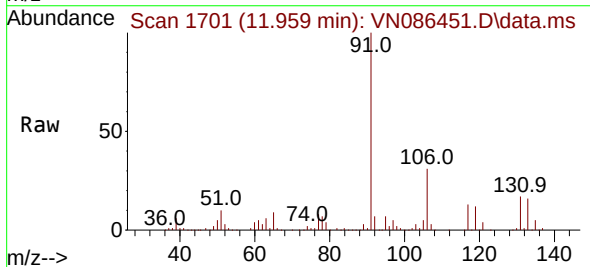
Tgt Ion:112 Resp: 36062
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.0

Manual Integrations
APPROVED

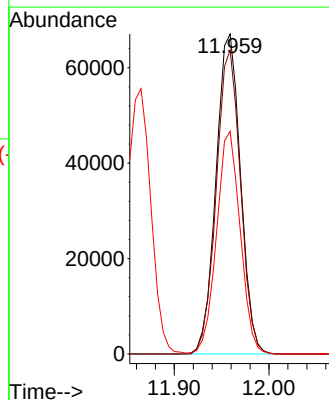
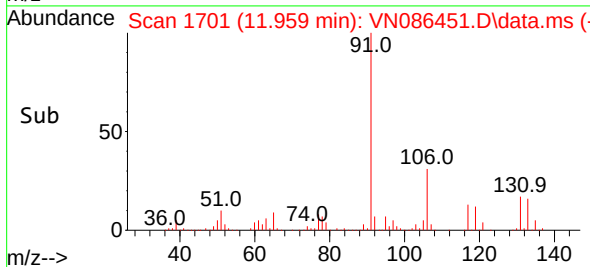
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

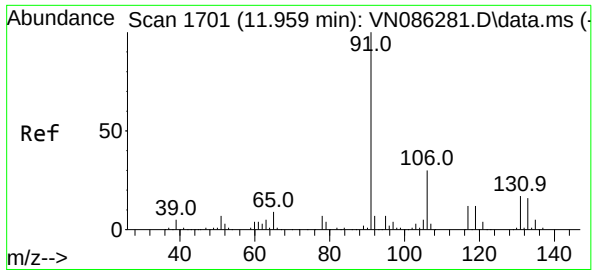


#66
1,1,1,2-Tetrachloroethane
Concen: 53.067 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21



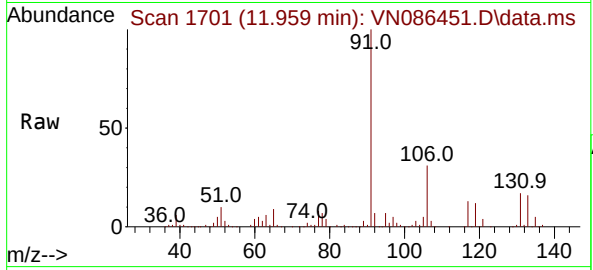
Tgt Ion:131 Resp: 120637
Ion Ratio Lower Upper
131 100
133 93.8 47.1 141.3
119 67.3 33.8 101.4





#67
Ethyl Benzene
Concen: 52.003 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

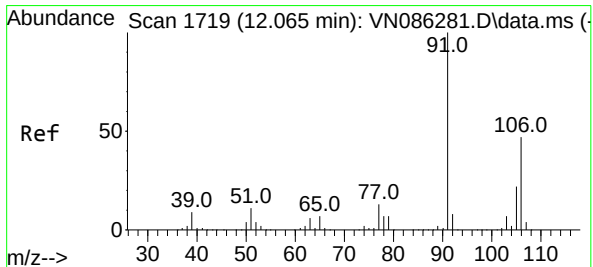
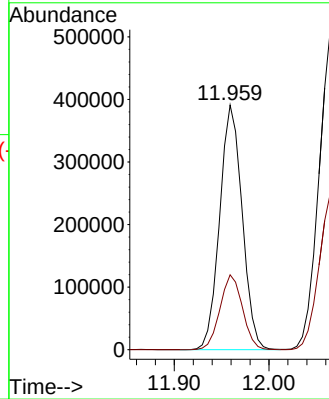
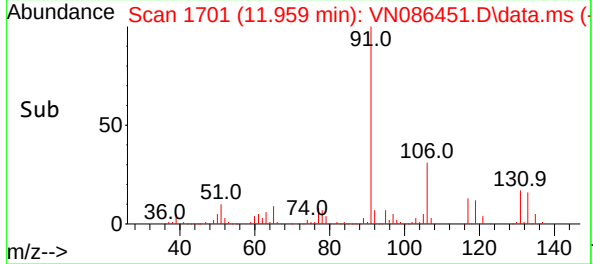
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 91 Resp: 646650
Ion Ratio Lower Upper
91 100
106 30.6 24.3 36.5

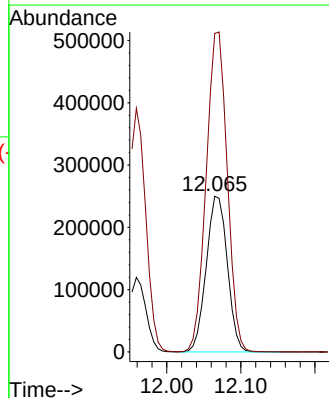
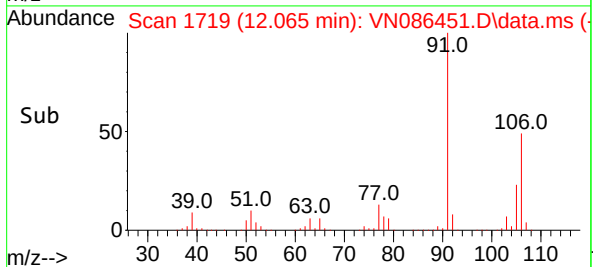
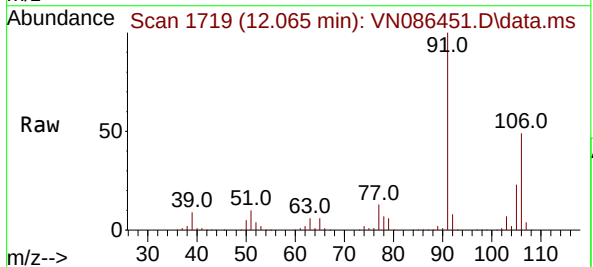
Manual Integrations
APPROVED

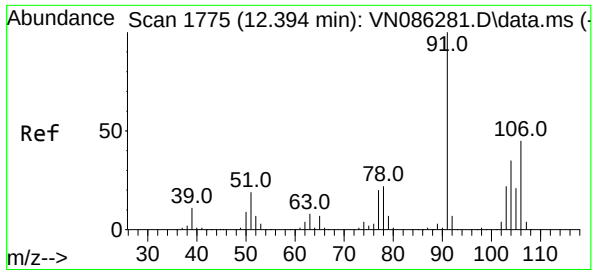
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#68
m/p-Xylenes
Concen: 106.338 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

Tgt Ion:106 Resp: 495460
Ion Ratio Lower Upper
106 100
91 204.9 166.5 249.7





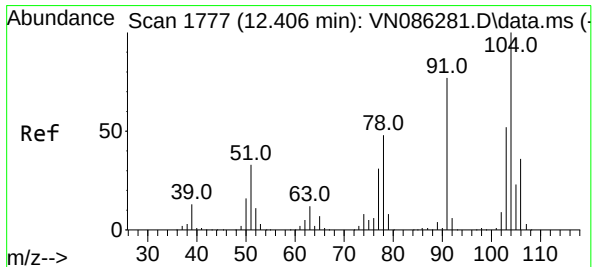
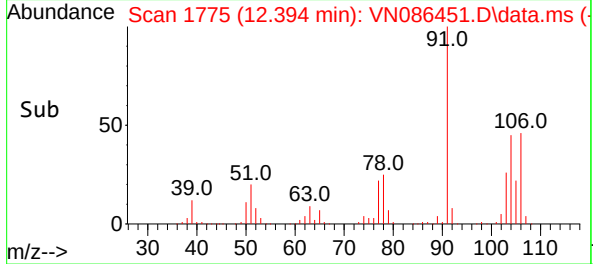
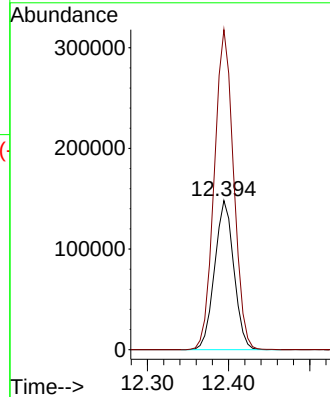
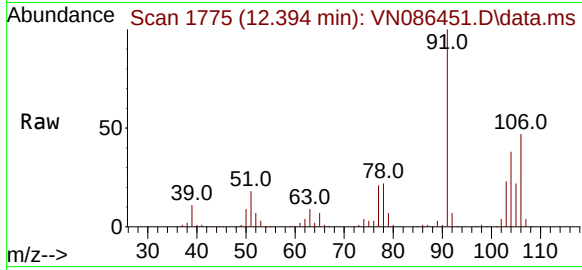
#69
o-Xylene
Concen: 52.907 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 24378
Ion Ratio Lower Upper
106 100
91 215.9 109.7 329.0

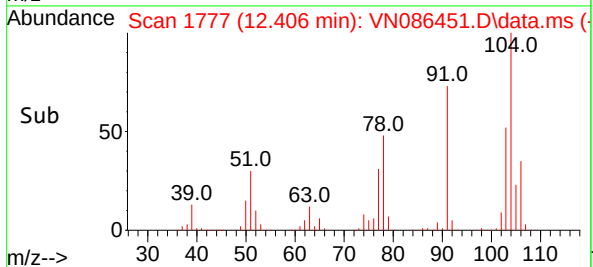
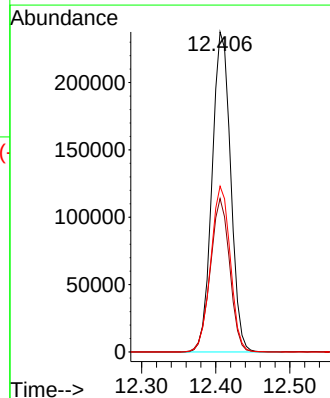
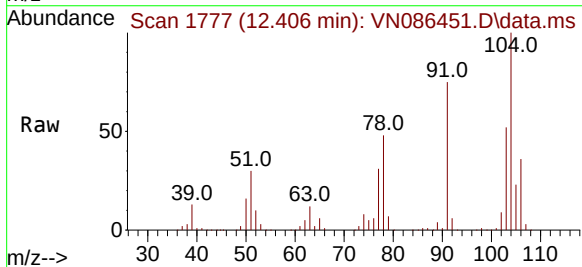
Manual Integrations
APPROVED

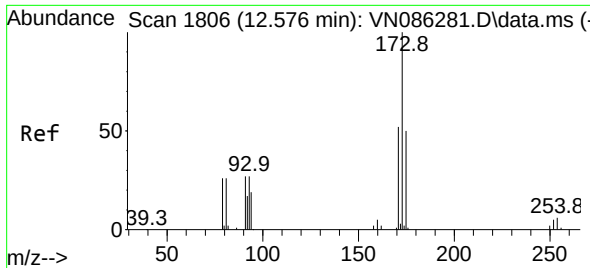
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#70
Styrene
Concen: 53.937 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

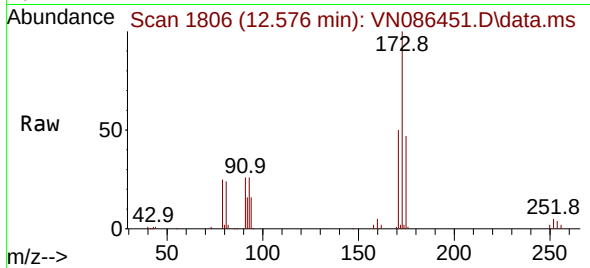
Tgt Ion:104 Resp: 414102
Ion Ratio Lower Upper
104 100
78 49.8 40.6 61.0
103 54.5 43.6 65.4





#71
Bromoform
Concen: 53.428 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

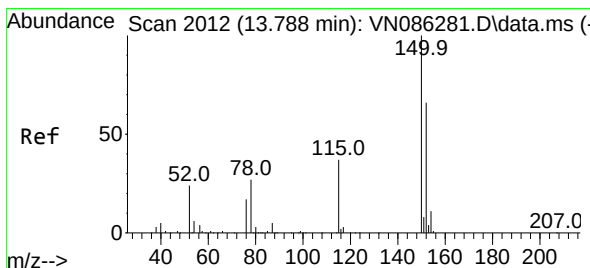
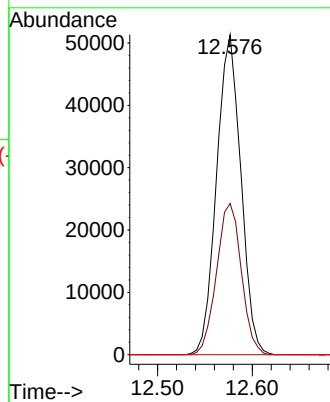
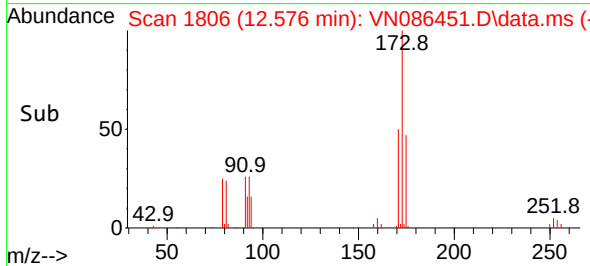
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



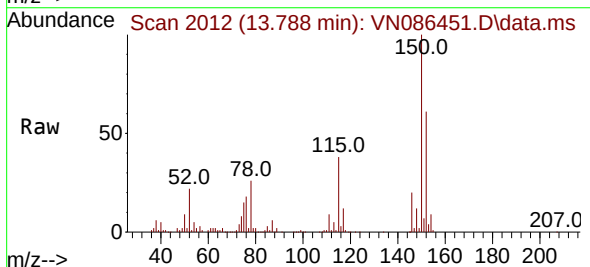
Tgt Ion:173 Resp: 91440
Ion Ratio Lower Upper
173 100
175 48.2 24.6 73.6
254 0.0 0.0 0.0

Manual Integrations
APPROVED

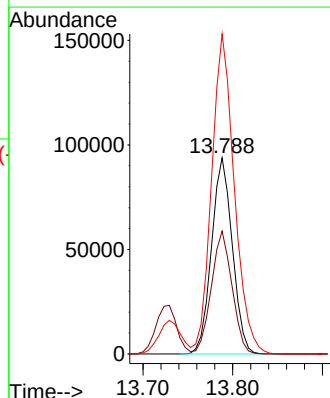
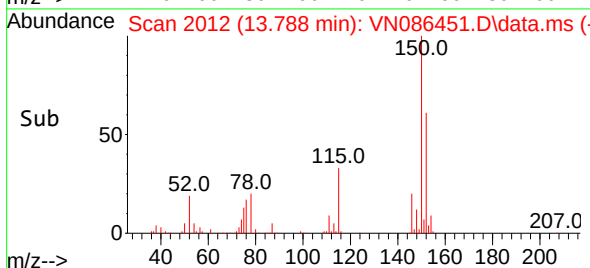
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

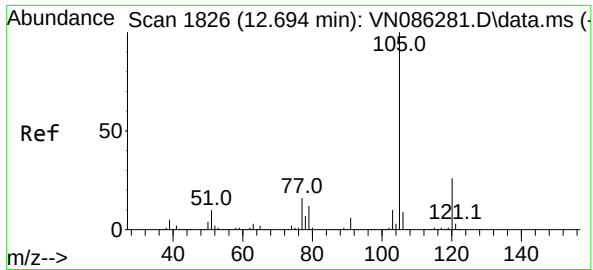


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21



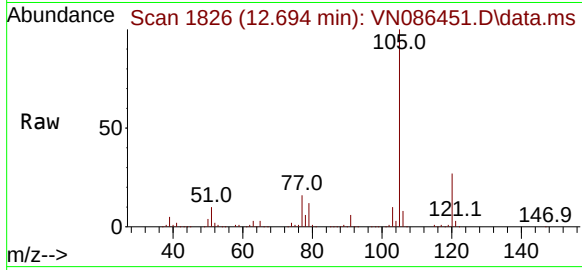
Tgt Ion:152 Resp: 150946
Ion Ratio Lower Upper
152 100
115 62.2 31.9 95.9
150 177.9 0.0 352.0





#73
Isopropylbenzene
Concen: 48.877 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

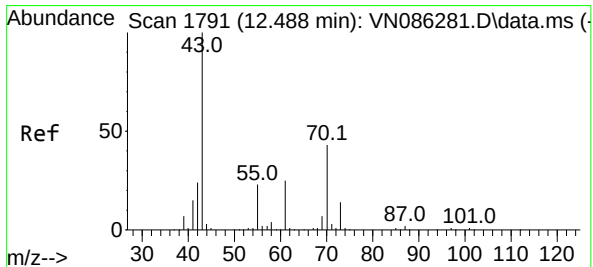
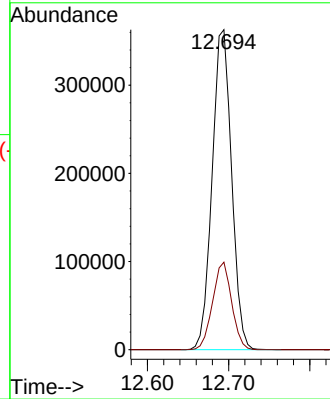
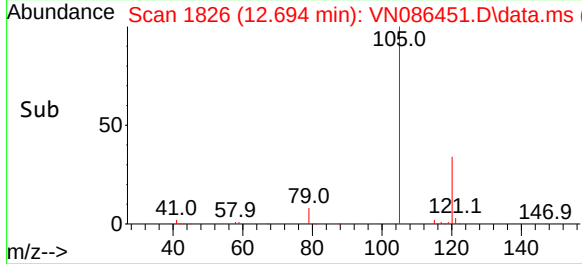
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:105 Resp: 603514
Ion Ratio Lower Upper
105 100
120 26.8 13.1 39.3

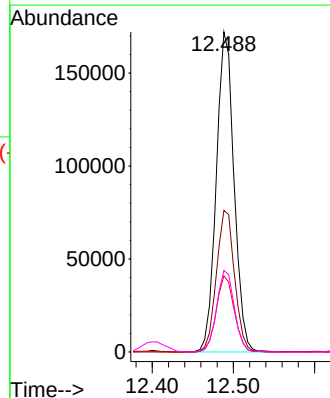
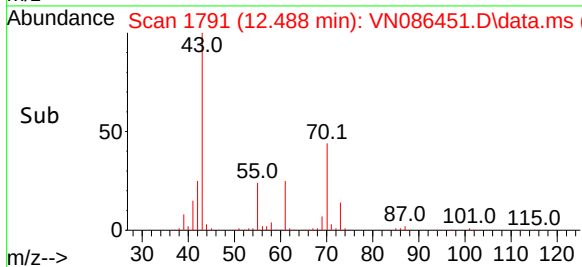
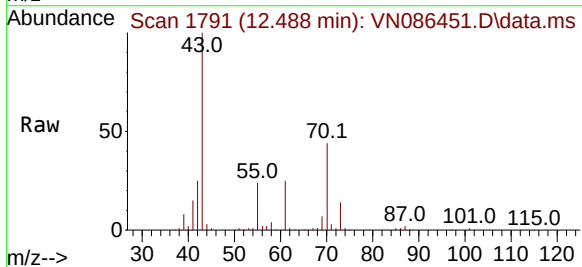
Manual Integrations
APPROVED

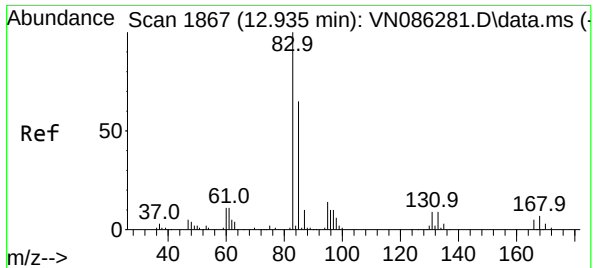
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#74
N-ethyl acetate
Concen: 42.566 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

Tgt Ion: 43 Resp: 261655
Ion Ratio Lower Upper
43 100
70 45.2 35.0 52.4
55 24.1 19.0 28.4
61 25.4 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 47.249 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VN086451.D

Acq: 02 May 2025 09:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 167750

Ion Ratio Lower Upper

83 100

131 9.7 4.7 14.1

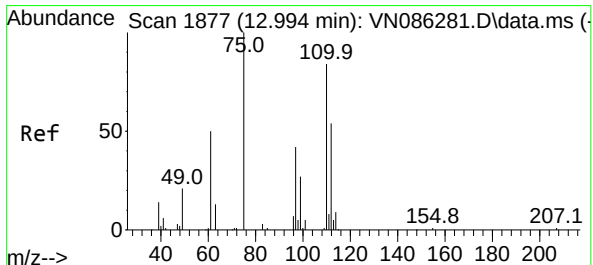
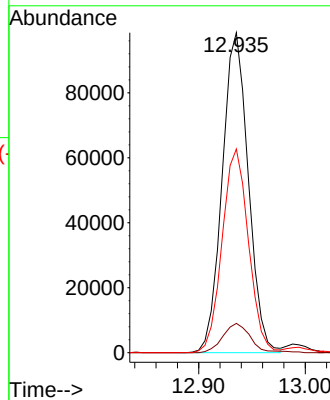
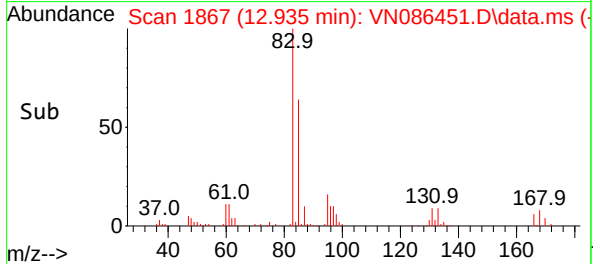
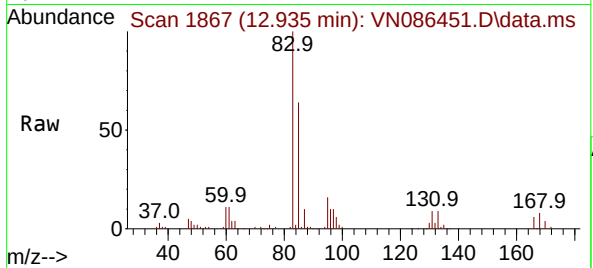
85 64.1 32.7 98.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#76

1,2,3-Trichloropropane

Concen: 44.918 ug/l m

RT: 12.988 min Scan# 1876

Delta R.T. -0.006 min

Lab File: VN086451.D

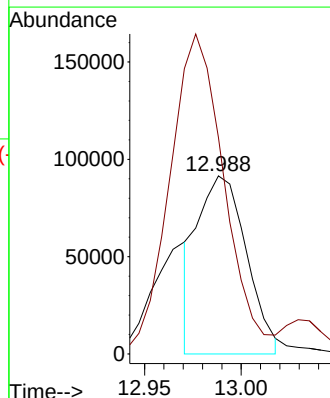
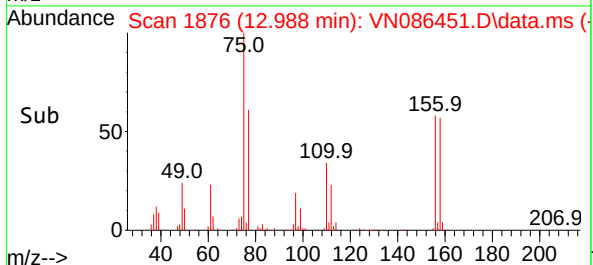
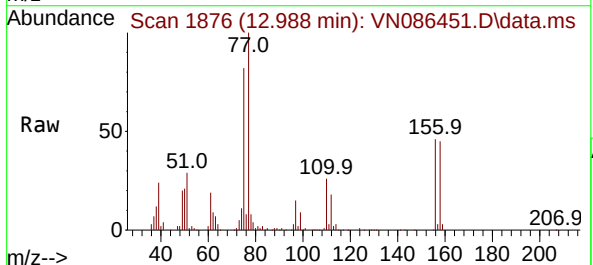
Acq: 02 May 2025 09:21

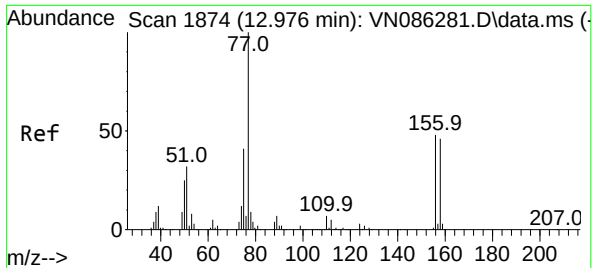
Tgt Ion: 75 Resp: 160002

Ion Ratio Lower Upper

75 100

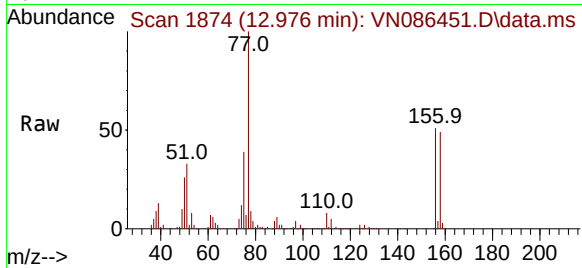
77 202.5 98.8 296.4





#77
Bromobenzene
Concen: 52.051 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

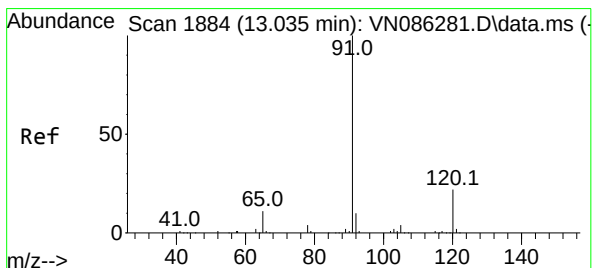
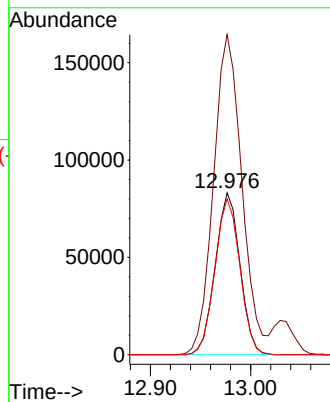
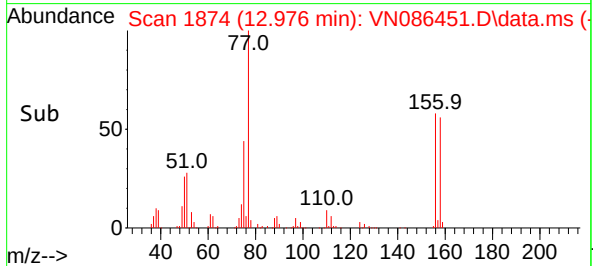
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:156 Resp: 142408
Ion Ratio Lower Upper
156 100
77 227.5 121.1 363.1
158 97.1 47.9 143.6

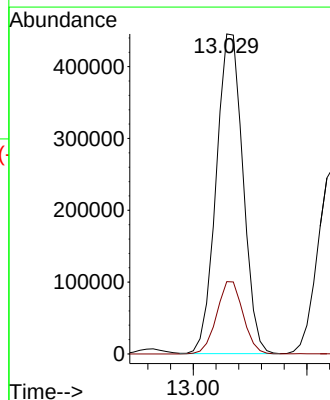
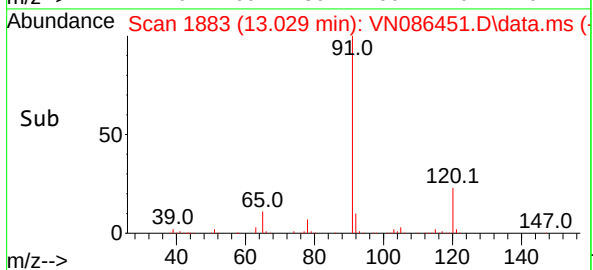
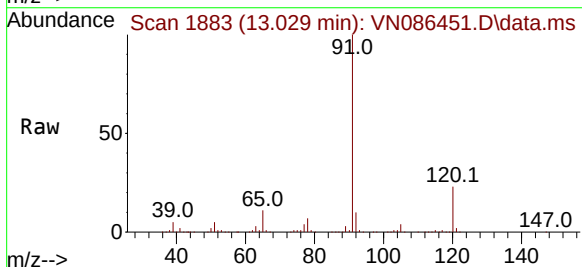
Manual Integrations
APPROVED

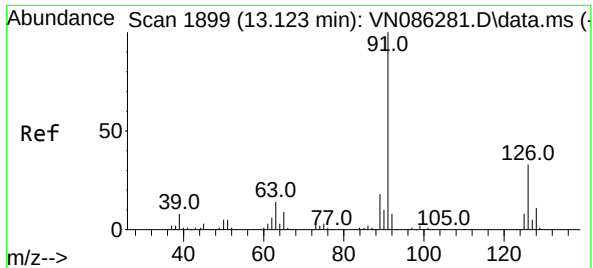
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#78
n-propylbenzene
Concen: 50.141 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

Tgt Ion: 91 Resp: 729554
Ion Ratio Lower Upper
91 100
120 22.3 11.1 33.3





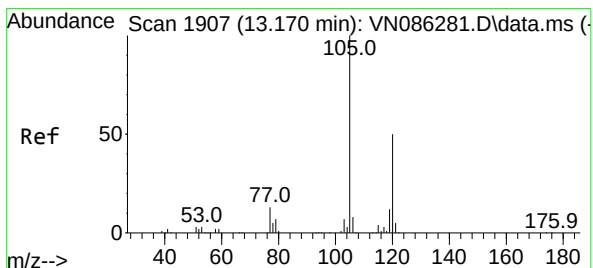
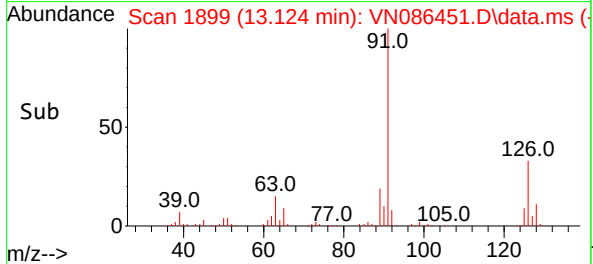
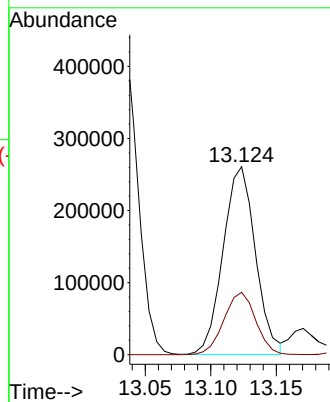
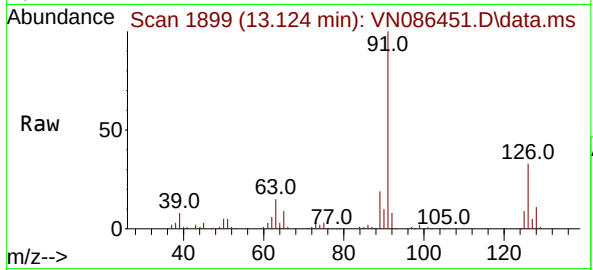
#79
2-Chlorotoluene
Concen: 49.132 ug/l
RT: 13.124 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 447334
Ion Ratio Lower Upper
91 100
126 32.7 16.1 48.2

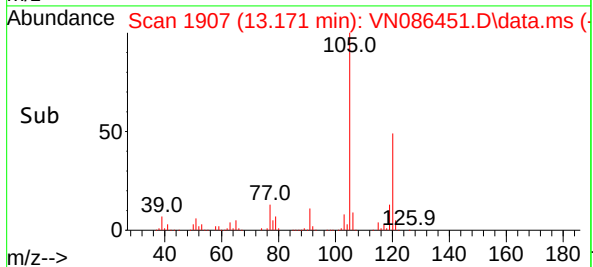
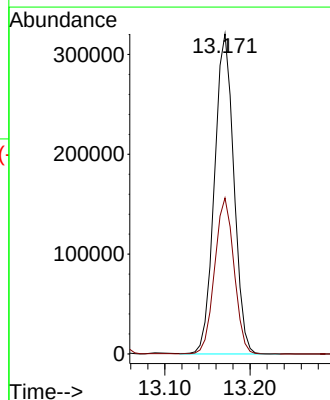
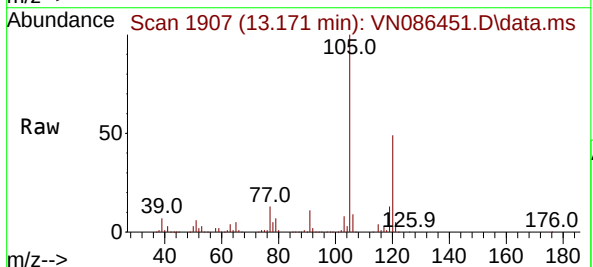
Manual Integrations
APPROVED

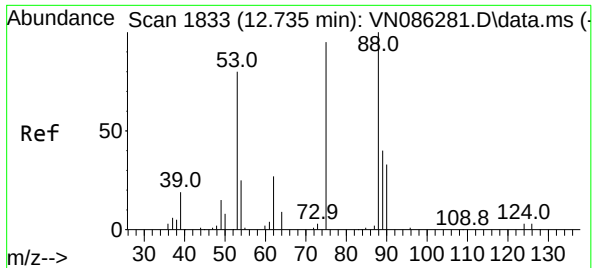
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#80
1,3,5-Trimethylbenzene
Concen: 50.174 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

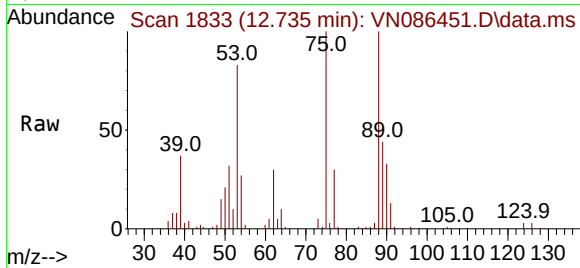
Tgt Ion:105 Resp: 507071
Ion Ratio Lower Upper
105 100
120 48.7 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 52.679 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

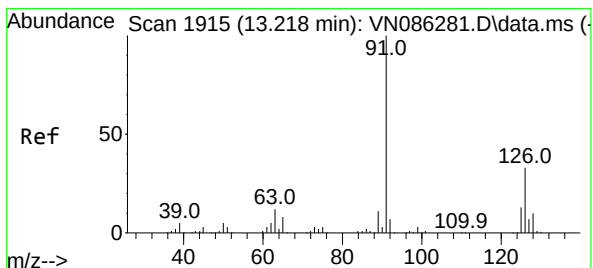
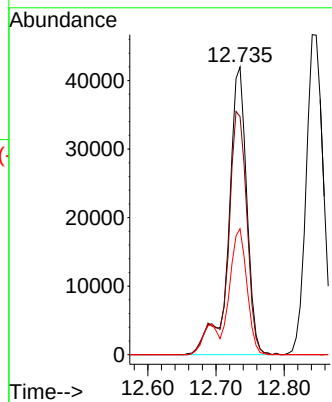
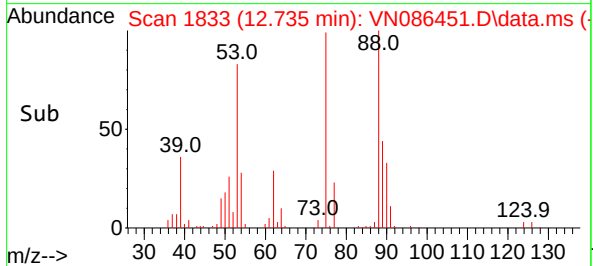
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 7813
Ion Ratio Lower Upper
75 100
53 89.2 79.2 118.8
89 40.6 35.7 53.5

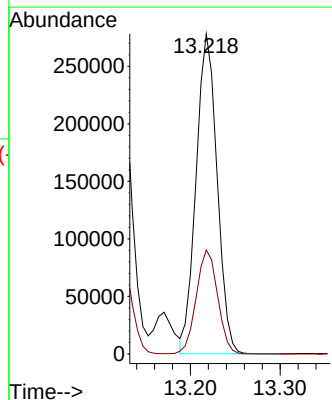
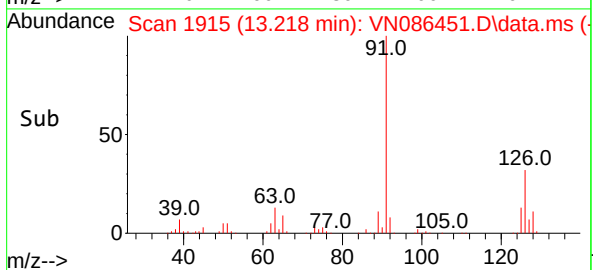
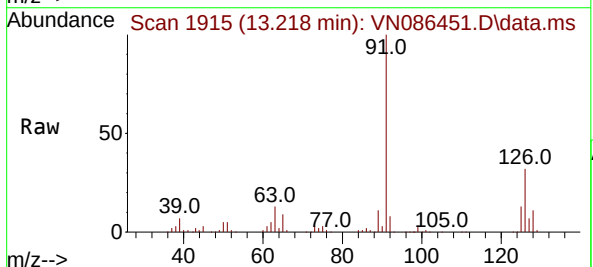
Manual Integrations
APPROVED

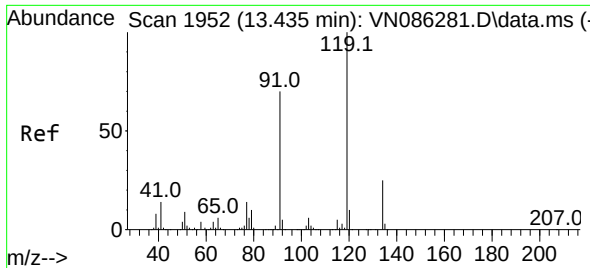
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#82
4-Chlorotoluene
Concen: 49.993 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

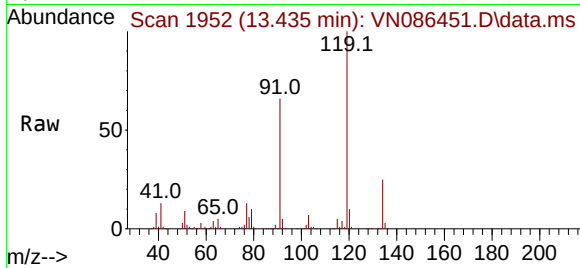
Tgt Ion: 91 Resp: 452151
Ion Ratio Lower Upper
91 100
126 33.1 16.2 48.6





#83
tert-Butylbenzene
Concen: 48.696 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

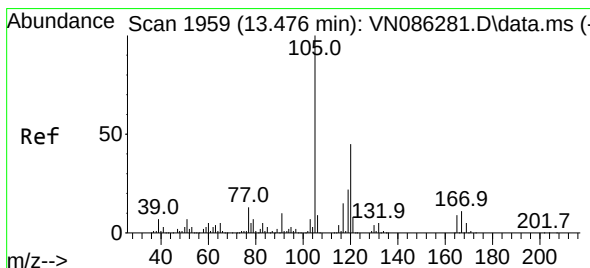
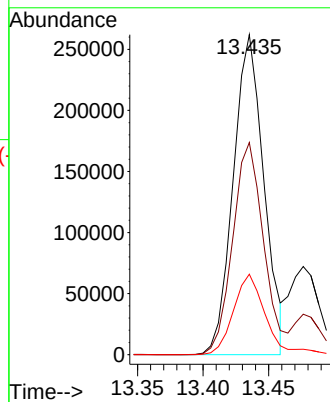
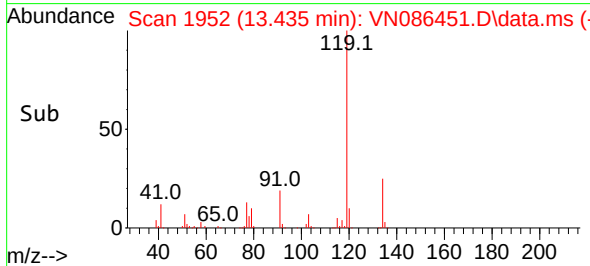
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:119 Resp: 426424
Ion Ratio Lower Upper
119 100
91 67.3 34.4 103.3
134 26.3 13.0 39.0

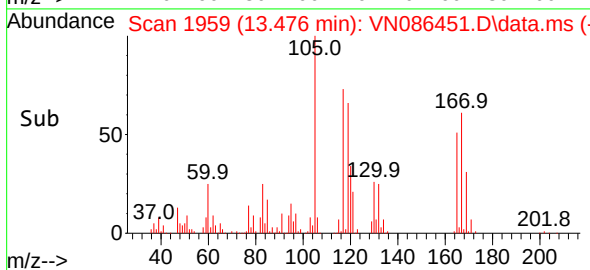
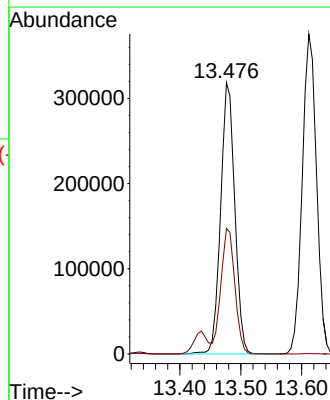
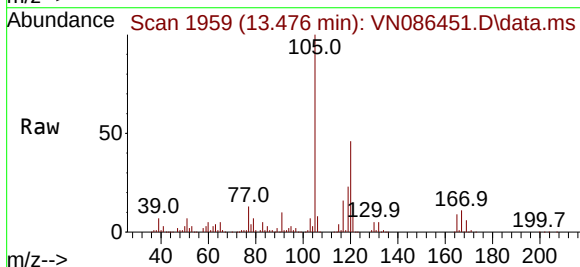
Manual Integrations
APPROVED

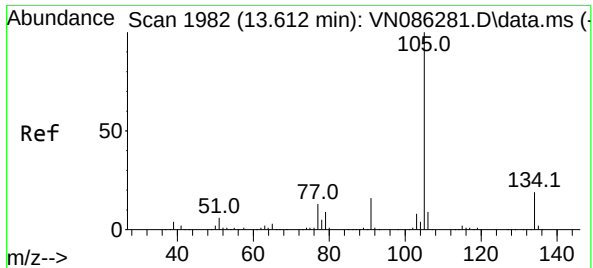
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#84
1,2,4-Trimethylbenzene
Concen: 49.972 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

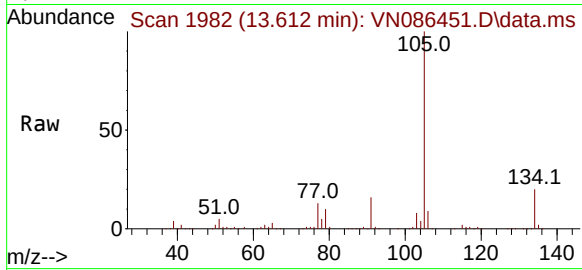
Tgt Ion:105 Resp: 514072
Ion Ratio Lower Upper
105 100
120 45.5 22.4 67.3





#85
sec-Butylbenzene
Concen: 50.158 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

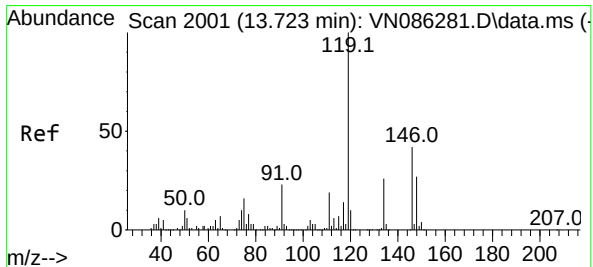
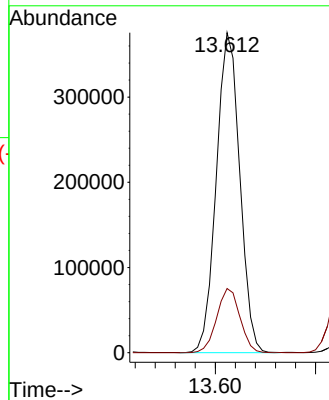
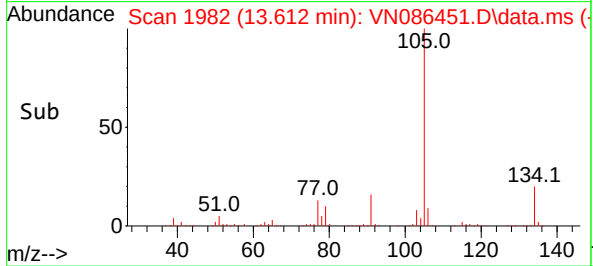
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



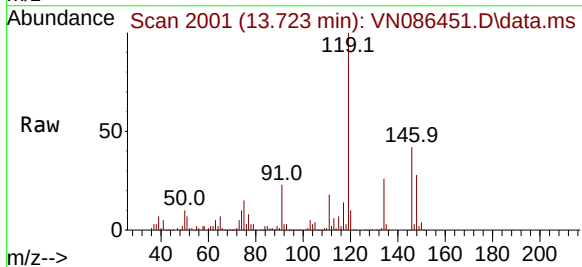
Tgt Ion:105 Resp: 609234
Ion Ratio Lower Upper
105 100
134 19.9 9.7 29.1

Manual Integrations
APPROVED

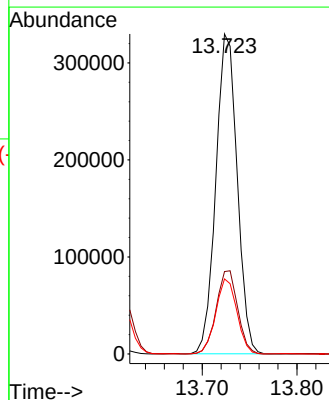
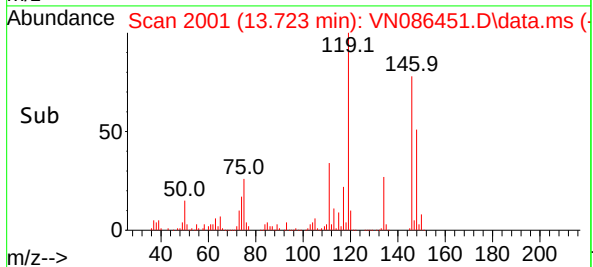
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

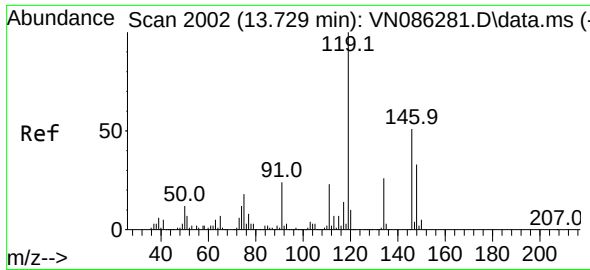


#86
p-Isopropyltoluene
Concen: 51.509 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21



Tgt Ion:119 Resp: 515686
Ion Ratio Lower Upper
119 100
134 26.2 13.1 39.1
91 23.3 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 52.223 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN086451.D

Acq: 02 May 2025 09:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 26858

Ion Ratio Lower Upper

146 100

111 42.7 21.9 65.7

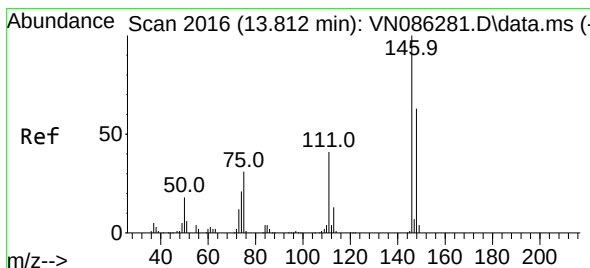
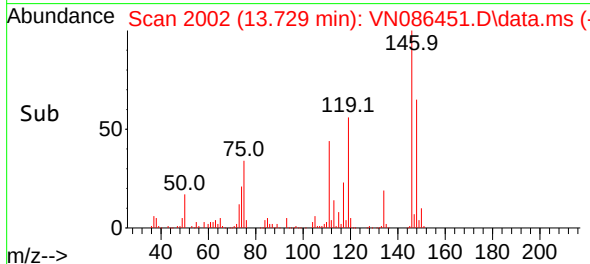
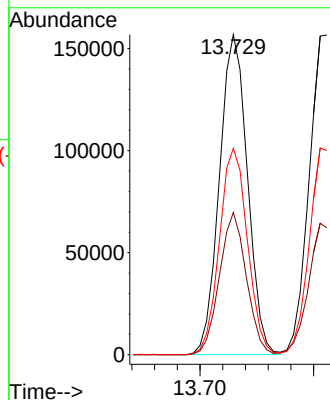
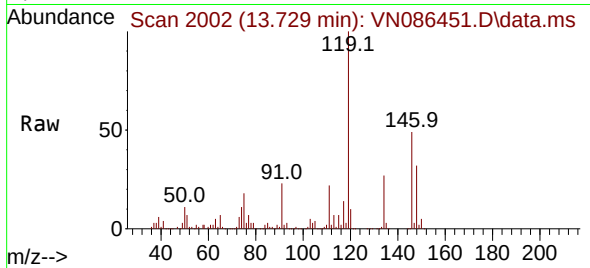
148 64.5 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#88

1,4-Dichlorobenzene

Concen: 52.283 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN086451.D

Acq: 02 May 2025 09:21

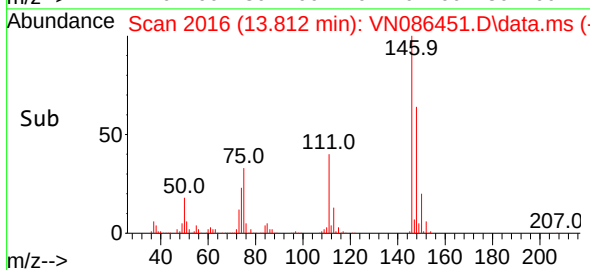
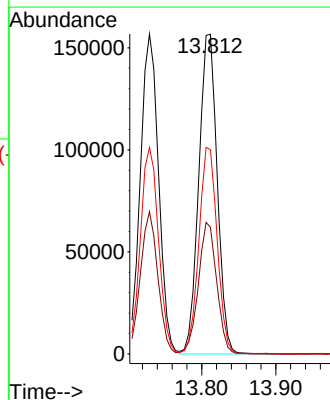
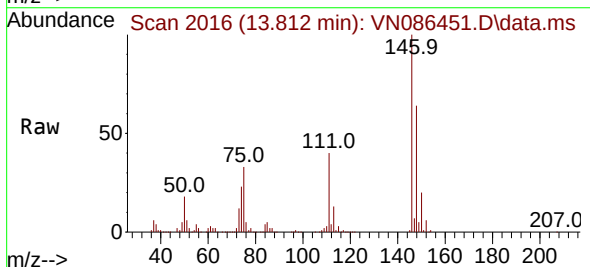
Tgt Ion:146 Resp: 270837

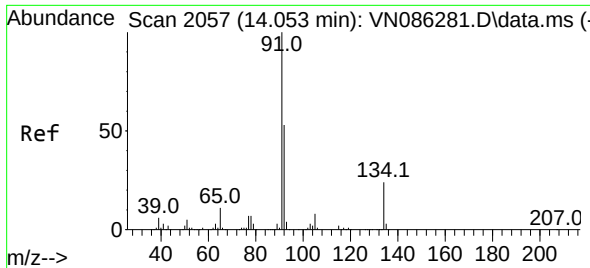
Ion Ratio Lower Upper

146 100

111 41.3 21.3 63.9

148 64.0 31.9 95.9





#89

n-Butylbenzene

Concen: 51.526 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN086451.D

Acq: 02 May 2025 09:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 45724

Ion Ratio Lower Upper

91 100

92 53.7 26.8 80.4

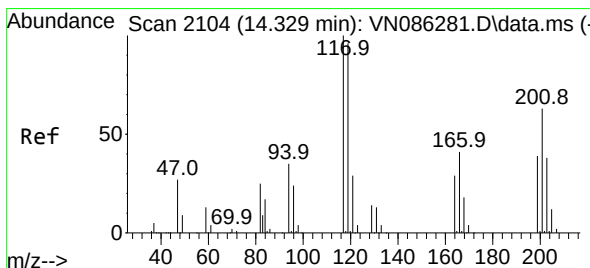
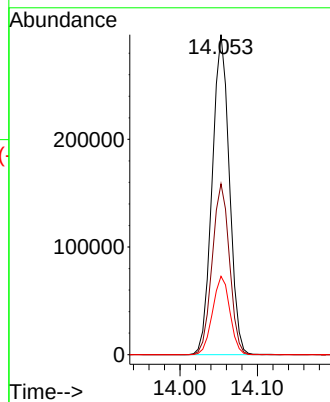
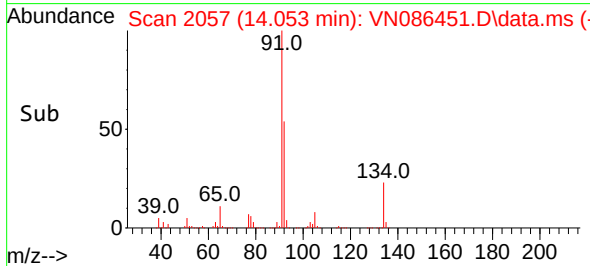
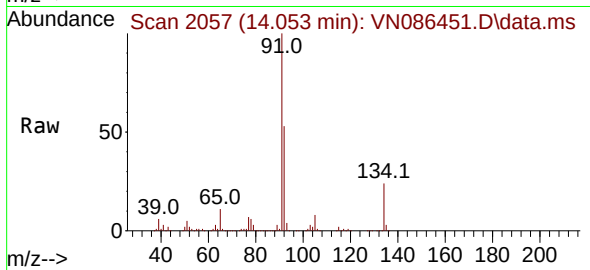
134 24.7 12.2 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#90

Hexachloroethane

Concen: 50.291 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. 0.000 min

Lab File: VN086451.D

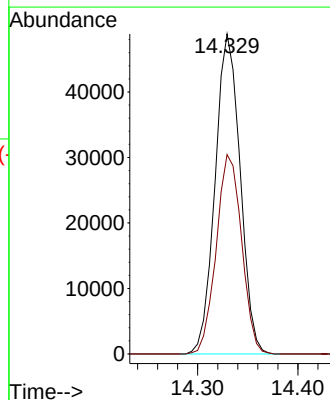
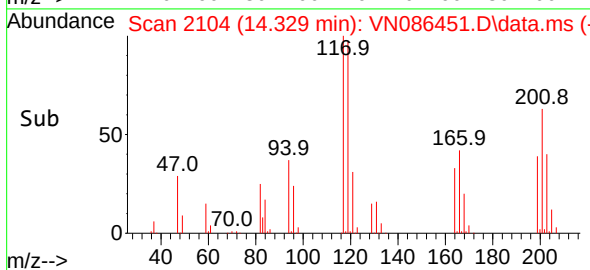
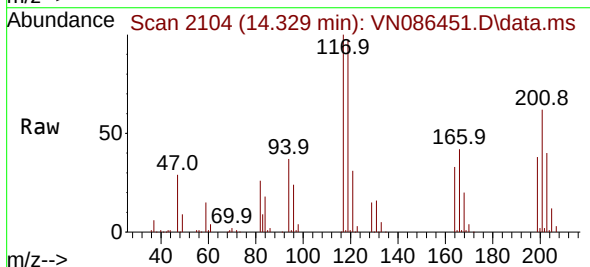
Acq: 02 May 2025 09:21

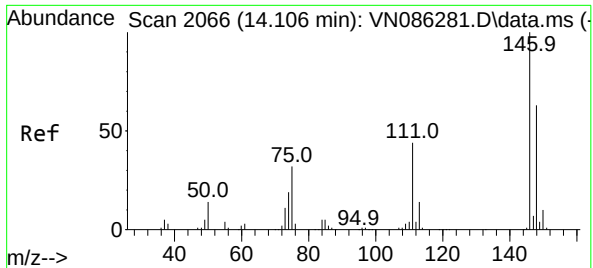
Tgt Ion:117 Resp: 84691

Ion Ratio Lower Upper

117 100

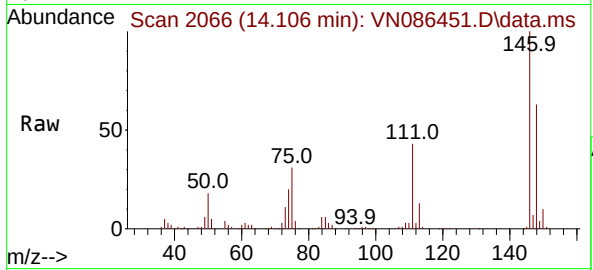
201 63.1 31.4 94.2





#91
1,2-Dichlorobenzene
Concen: 52.369 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

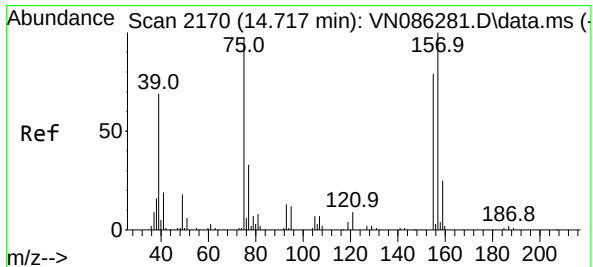
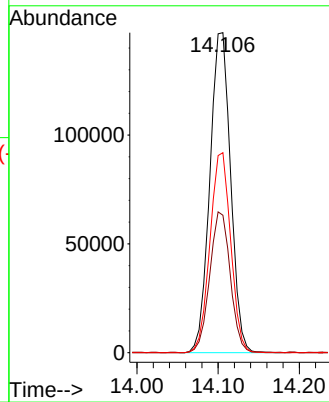
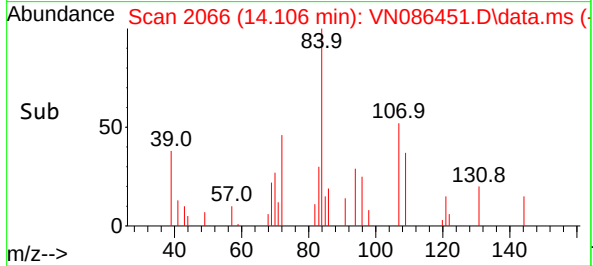
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:146 Resp: 261135
Ion Ratio Lower Upper
146 100
111 43.8 22.4 67.0
148 62.5 31.8 95.4

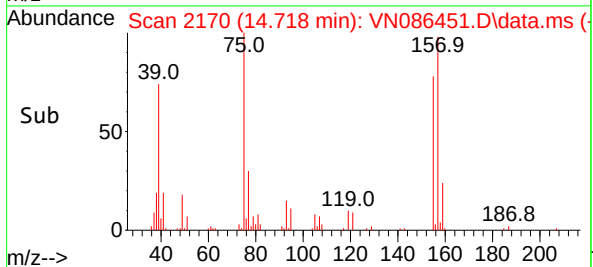
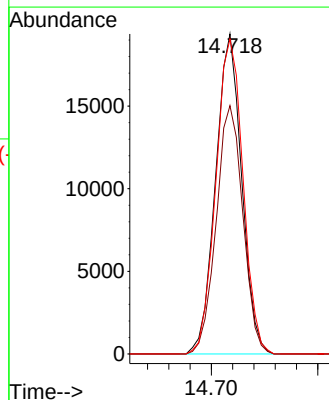
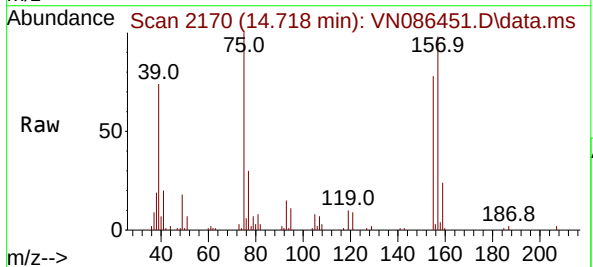
Manual Integrations
APPROVED

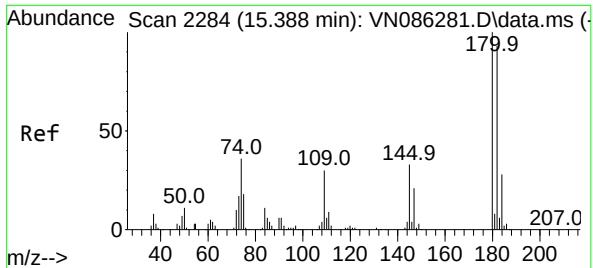
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 45.900 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

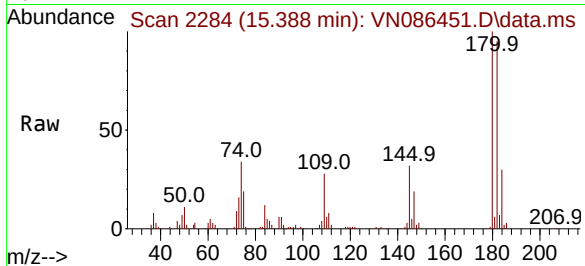
Tgt Ion: 75 Resp: 32858
Ion Ratio Lower Upper
75 100
155 79.5 40.3 120.9
157 102.2 49.0 147.2





#93
1,2,4-Trichlorobenzene
Concen: 51.043 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

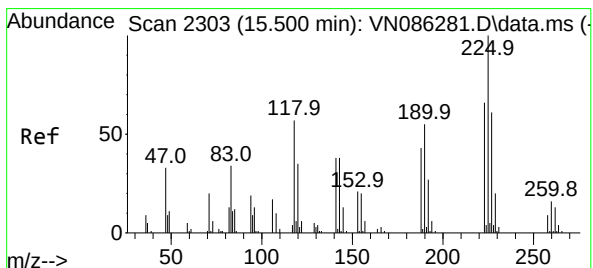
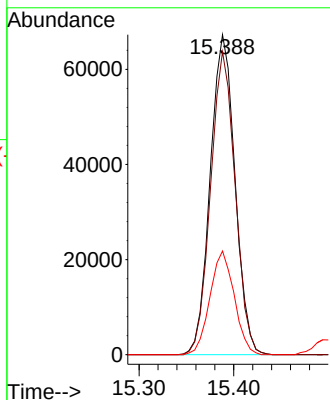
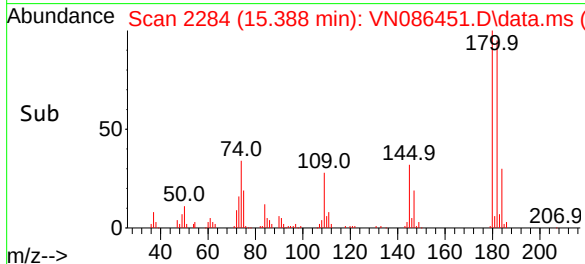
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:180 Resp: 121875
Ion Ratio Lower Upper
180 100
182 93.9 47.0 141.0
145 31.8 16.4 49.1

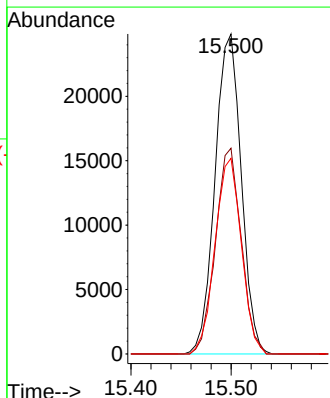
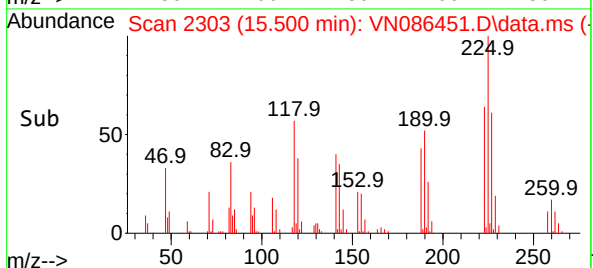
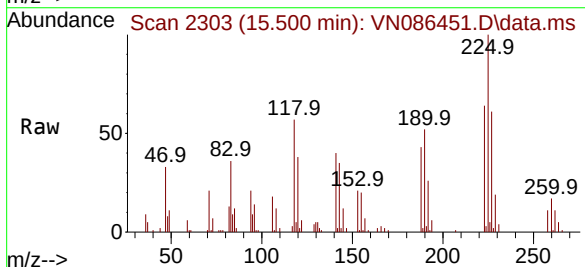
Manual Integrations
APPROVED

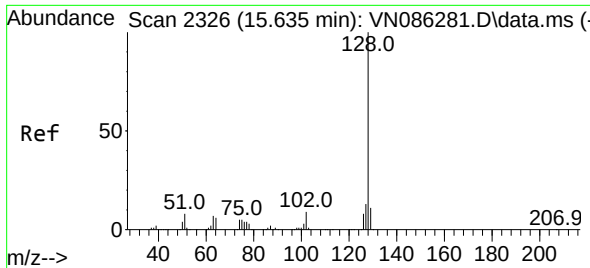
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#94
Hexachlorobutadiene
Concen: 50.039 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

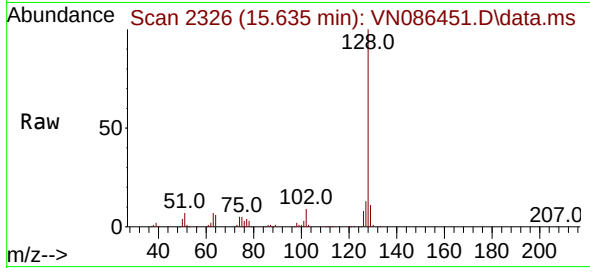
Tgt Ion:225 Resp: 45101
Ion Ratio Lower Upper
225 100
223 63.3 32.8 98.3
227 61.3 31.4 94.0





#95
Naphthalene
Concen: 47.458 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

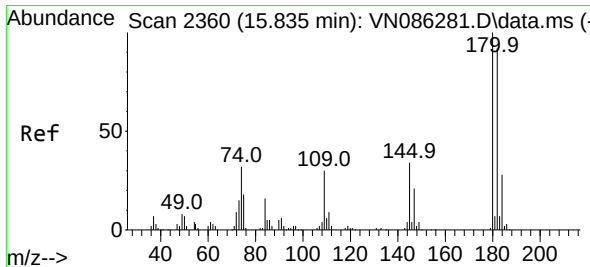
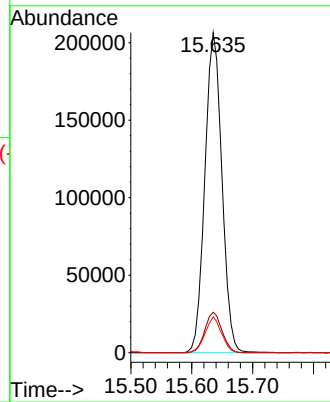
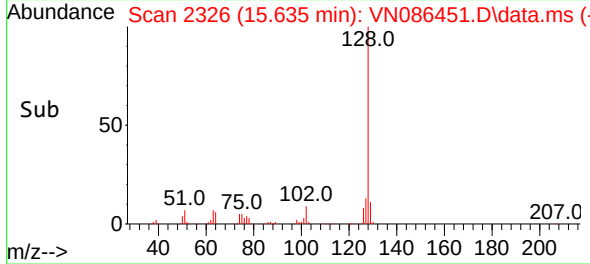
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:128 Resp: 40168
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.7 8.6 13.0

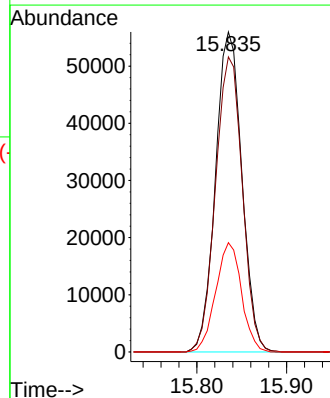
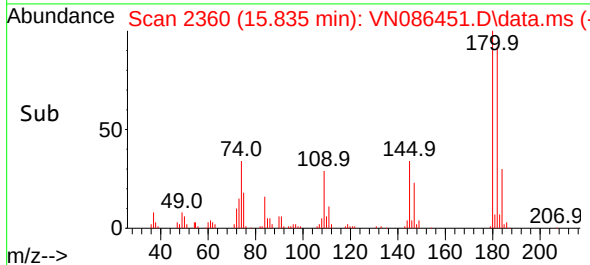
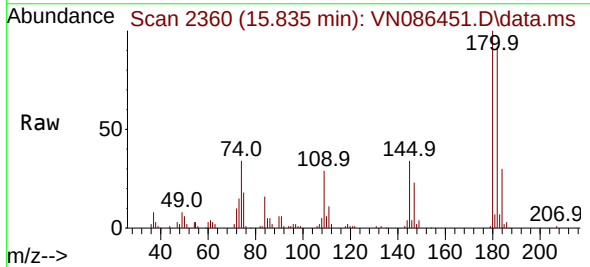
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.494 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086451.D
Acq: 02 May 2025 09:21

Tgt Ion:180 Resp: 114144
Ion Ratio Lower Upper
180 100
182 93.8 47.3 142.0
145 33.4 17.2 51.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
 Data File : VN086451.D
 Acq On : 02 May 2025 09:21
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 02 23:13:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	84	0.00
2 T	Dichlorodifluoromethane	0.593	0.566	4.6	80	0.00
3 P	Chloromethane	0.861	0.754	12.4	84	0.00
4 C	Vinyl Chloride	0.822	0.772	6.1#	82	0.00
5 T	Bromomethane	0.370	0.419	-13.2	99	0.00
6 T	Chloroethane	0.550	0.517	6.0	87	0.00
7 T	Trichlorofluoromethane	0.911	0.911	0.0	89	0.00
8 T	Diethyl Ether	0.398	0.371	6.8	83	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.551	0.568	-3.1	91	0.00
10 T	Methyl Iodide	0.606	0.696	-14.9	98	0.00
11 T	Tert butyl alcohol	0.132	0.106	19.7	72	0.00
12 CM	1,1-Dichloroethene	0.588	0.574	2.4#	88	0.00
13 T	Acrolein	0.075	0.105	-40.0#	145	0.00
14 T	Allyl chloride	1.046	0.875	16.3	79	0.00
15 T	Acrylonitrile	0.327	0.296	9.5	78	0.00
16 T	Acetone	0.290	0.231	20.3	77	0.00
17 T	Carbon Disulfide	1.762	1.588	9.9	86	0.00
18 T	Methyl Acetate	0.870	0.688	20.9	74	0.00
19 T	Methyl tert-butyl Ether	2.163	2.059	4.8	86	0.00
20 T	Methylene Chloride	0.670	0.642	4.2	87	0.00
21 T	trans-1,2-Dichloroethene	0.615	0.611	0.7	89	0.00
22 T	Diisopropyl ether	2.276	2.114	7.1	84	0.00
23 T	Vinyl Acetate	1.591	1.516	4.7	86	0.00
24 P	1,1-Dichloroethane	1.201	1.170	2.6	86	0.00
25 T	2-Butanone	0.451	0.391	13.3	77	0.00
26 T	2,2-Dichloropropane	1.075	1.086	-1.0	93	0.00
27 T	cis-1,2-Dichloroethene	0.764	0.761	0.4	90	0.00
28 T	Bromochloromethane	0.509	0.486	4.5	82	0.00
29 T	Tetrahydrofuran	0.302	0.259	14.2	77	0.00
30 C	Chloroform	1.180	1.183	-0.3#	90	0.00
31 T	Cyclohexane	1.175	1.062	9.6	84	0.00
32 T	1,1,1-Trichloroethane	1.009	1.034	-2.5	91	0.00
33 S	1,2-Dichloroethane-d4	0.725	0.700	3.4	82	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	82	0.00
35 S	Dibromofluoromethane	0.232	0.246	-6.0	93	0.00
36 T	1,1-Dichloropropene	0.463	0.489	-5.6	90	0.00
37 T	Ethyl Acetate	0.488	0.446	8.6	81	0.00
38 T	Carbon Tetrachloride	0.441	0.482	-9.3	93	0.00
39 T	Methylcyclohexane	0.551	0.562	-2.0	87	0.00
40 TM	Benzene	1.485	1.520	-2.4	88	0.00
41 T	Methacrylonitrile	0.283	0.253	10.6	78	0.00
42 TM	1,2-Dichloroethane	0.474	0.497	-4.9	91	0.00
43 T	Isopropyl Acetate	1.177	0.831	29.4#	78	0.00
44 TM	Trichloroethene	0.352	0.378	-7.4	91	0.00
45 C	1,2-Dichloropropane	0.364	0.362	0.5#	85	0.00
46 T	Dibromomethane	0.232	0.254	-9.5	91	0.00
47 T	Bromodichloromethane	0.500	0.529	-5.8	91	0.00
48 T	Methyl methacrylate	0.429	0.385	10.3	79	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
 Data File : VN086451.D
 Acq On : 02 May 2025 09:21
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 02 23:13:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.007	0.007	0.0	82	0.00
50 S	Toluene-d8	1.240	1.263	-1.9	82	0.00
51 T	4-Methyl-2-Pentanone	0.500	0.471	5.8	79	0.00
52 CM	Toluene	0.927	0.984	-6.1#	90	0.00
53 T	t-1,3-Dichloropropene	0.558	0.596	-6.8	89	0.00
54 T	cis-1,3-Dichloropropene	0.613	0.629	-2.6	89	0.00
55 T	1,1,2-Trichloroethane	0.333	0.350	-5.1	90	0.00
56 T	Ethyl methacrylate	0.613	0.608	0.8	86	0.00
57 T	1,3-Dichloropropane	0.592	0.620	-4.7	90	0.00
58 T	2-Chloroethyl Vinyl ether	0.291	0.263	9.6	74	0.00
59 T	2-Hexanone	0.371	0.344	7.3	79	0.00
60 T	Dibromochloromethane	0.366	0.397	-8.5	92	0.00
61 T	1,2-Dibromoethane	0.336	0.368	-9.5	92	0.00
62 S	4-Bromofluorobenzene	0.452	0.471	-4.2	84	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	84	0.00
64 T	Tetrachloroethene	0.385	0.406	-5.5	92	0.00
65 PM	Chlorobenzene	1.116	1.168	-4.7	93	0.00
66 T	1,1,1,2-Tetrachloroethane	0.368	0.391	-6.3	95	0.00
67 C	Ethyl Benzene	2.014	2.094	-4.0#	92	0.00
68 T	m/p-Xylenes	0.754	0.802	-6.4	93	0.00
69 T	o-Xylene	0.746	0.789	-5.8	93	0.00
70 T	Styrene	1.243	1.341	-7.9	93	0.00
71 P	Bromoform	0.277	0.296	-6.9	95	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00
73 T	Isopropylbenzene	4.090	3.998	2.2	93	0.00
74 T	N-amyl acetate	2.036	1.733	14.9	85	0.00
75 P	1,1,2,2-Tetrachloroethane	1.176	1.111	5.5	93	0.00
76 T	1,2,3-Trichloropropane	1.180	1.060	10.2	88	0.00
77 T	Bromobenzene	0.906	0.943	-4.1	96	0.00
78 T	n-propylbenzene	4.820	4.833	-0.3	94	0.00
79 T	2-Chlorotoluene	3.016	2.964	1.7	93	0.00
80 T	1,3,5-Trimethylbenzene	3.348	3.359	-0.3	95	0.00
81 T	trans-1,4-Dichloro-2-butene	0.491	0.518	-5.5	98	0.00
82 T	4-Chlorotoluene	2.996	2.995	0.0	93	0.00
83 T	tert-Butylbenzene	2.901	2.825	2.6	94	0.00
84 T	1,2,4-Trimethylbenzene	3.408	3.406	0.1	93	0.00
85 T	sec-Butylbenzene	4.023	4.036	-0.3	93	0.00
86 T	p-Isopropyltoluene	3.316	3.416	-3.0	94	0.00
87 T	1,3-Dichlorobenzene	1.704	1.779	-4.4	96	0.00
88 T	1,4-Dichlorobenzene	1.716	1.794	-4.5	97	0.00
89 T	n-Butylbenzene	2.939	3.029	-3.1	93	0.00
90 T	Hexachloroethane	0.558	0.561	-0.5	94	0.00
91 T	1,2-Dichlorobenzene	1.652	1.730	-4.7	96	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.237	0.218	8.0	85	0.00
93 T	1,2,4-Trichlorobenzene	0.791	0.807	-2.0	92	0.00
94 T	Hexachlorobutadiene	0.299	0.299	0.0	93	0.00
95 T	Naphthalene	2.804	2.661	5.1	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086451.D
Acq On : 02 May 2025 09:21
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: May 02 23:13:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.749	0.756	-0.9	93	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
 Data File : VN086451.D
 Acq On : 02 May 2025 09:21
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 02 23:13:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	84	0.00
2 T	Dichlorodifluoromethane	50.000	47.763	4.5	80	0.00
3 P	Chloromethane	50.000	43.781	12.4	84	0.00
4 C	Vinyl Chloride	50.000	46.946	6.1#	82	0.00
5 T	Bromomethane	50.000	56.596	-13.2	99	0.00
6 T	Chloroethane	50.000	47.006	6.0	87	0.00
7 T	Trichlorofluoromethane	50.000	50.025	-0.0	89	0.00
8 T	Diethyl Ether	50.000	46.639	6.7	83	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	51.584	-3.2	91	0.00
10 T	Methyl Iodide	50.000	57.466	-14.9	98	0.00
11 T	Tert butyl alcohol	250.000	200.612	19.8	72	0.00
12 CM	1,1-Dichloroethene	50.000	48.801	2.4#	88	0.00
13 T	Acrolein	250.000	437.161	-74.9#	145	0.00
14 T	Allyl chloride	50.000	41.815	16.4	79	0.00
15 T	Acrylonitrile	250.000	226.015	9.6	78	0.00
16 T	Acetone	250.000	229.836	8.1	77	0.00
17 T	Carbon Disulfide	50.000	45.062	9.9	86	0.00
18 T	Methyl Acetate	50.000	39.534	20.9	74	0.00
19 T	Methyl tert-butyl Ether	50.000	47.594	4.8	86	0.00
20 T	Methylene Chloride	50.000	47.874	4.3	87	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.693	0.6	89	0.00
22 T	Diisopropyl ether	50.000	46.444	7.1	84	0.00
23 T	Vinyl Acetate	250.000	238.308	4.7	86	0.00
24 P	1,1-Dichloroethane	50.000	48.720	2.6	86	0.00
25 T	2-Butanone	250.000	216.655	13.3	77	0.00
26 T	2,2-Dichloropropane	50.000	50.512	-1.0	93	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.852	0.3	90	0.00
28 T	Bromochloromethane	50.000	47.745	4.5	82	0.00
29 T	Tetrahydrofuran	250.000	214.587	14.2	77	0.00
30 C	Chloroform	50.000	50.137	-0.3#	90	0.00
31 T	Cyclohexane	50.000	45.181	9.6	84	0.00
32 T	1,1,1-Trichloroethane	50.000	51.229	-2.5	91	0.00
33 S	1,2-Dichloroethane-d4	50.000	48.254	3.5	82	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	82	0.00
35 S	Dibromofluoromethane	50.000	53.023	-6.0	93	0.00
36 T	1,1-Dichloropropene	50.000	52.743	-5.5	90	0.00
37 T	Ethyl Acetate	50.000	45.651	8.7	81	0.00
38 T	Carbon Tetrachloride	50.000	54.650	-9.3	93	0.00
39 T	Methylcyclohexane	50.000	50.963	-1.9	87	0.00
40 TM	Benzene	50.000	51.172	-2.3	88	0.00
41 T	Methacrylonitrile	50.000	44.745	10.5	78	0.00
42 TM	1,2-Dichloroethane	50.000	52.448	-4.9	91	0.00
43 T	Isopropyl Acetate	50.000	47.433	5.1	78	0.00
44 TM	Trichloroethene	50.000	53.696	-7.4	91	0.00
45 C	1,2-Dichloropropane	50.000	49.804	0.4#	85	0.00
46 T	Dibromomethane	50.000	54.808	-9.6	91	0.00
47 T	Bromodichloromethane	50.000	52.834	-5.7	91	0.00
48 T	Methyl methacrylate	50.000	44.954	10.1	79	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
 Data File : VN086451.D
 Acq On : 02 May 2025 09:21
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 02 23:13:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	901.597	9.8	82	0.00
50 S	Toluene-d8	50.000	50.938	-1.9	82	0.00
51 T	4-Methyl-2-Pentanone	250.000	235.831	5.7	79	0.00
52 CM	Toluene	50.000	53.113	-6.2#	90	0.00
53 T	t-1,3-Dichloropropene	50.000	53.360	-6.7	89	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.261	-2.5	89	0.00
55 T	1,1,2-Trichloroethane	50.000	52.448	-4.9	90	0.00
56 T	Ethyl methacrylate	50.000	49.615	0.8	86	0.00
57 T	1,3-Dichloropropane	50.000	52.376	-4.8	90	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	225.630	9.7	74	0.00
59 T	2-Hexanone	250.000	232.226	7.1	79	0.00
60 T	Dibromochloromethane	50.000	54.197	-8.4	92	0.00
61 T	1,2-Dibromoethane	50.000	54.664	-9.3	92	0.00
62 S	4-Bromofluorobenzene	50.000	52.060	-4.1	84	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	84	0.00
64 T	Tetrachloroethene	50.000	52.837	-5.7	92	0.00
65 PM	Chlorobenzene	50.000	52.334	-4.7	93	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	53.067	-6.1	95	0.00
67 C	Ethyl Benzene	50.000	52.003	-4.0#	92	0.00
68 T	m/p-Xylenes	100.000	106.338	-6.3	93	0.00
69 T	o-Xylene	50.000	52.907	-5.8	93	0.00
70 T	Styrene	50.000	53.937	-7.9	93	0.00
71 P	Bromoform	50.000	53.428	-6.9	95	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	87	0.00
73 T	Isopropylbenzene	50.000	48.877	2.2	93	0.00
74 T	N-ethyl acetate	50.000	42.566	14.9	85	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	47.249	5.5	93	0.00
76 T	1,2,3-Trichloropropane	50.000	44.918	10.2	88	0.00
77 T	Bromobenzene	50.000	52.051	-4.1	96	0.00
78 T	n-propylbenzene	50.000	50.141	-0.3	94	0.00
79 T	2-Chlorotoluene	50.000	49.132	1.7	93	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.174	-0.3	95	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	52.679	-5.4	98	0.00
82 T	4-Chlorotoluene	50.000	49.993	0.0	93	0.00
83 T	tert-Butylbenzene	50.000	48.696	2.6	94	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.972	0.1	93	0.00
85 T	sec-Butylbenzene	50.000	50.158	-0.3	93	0.00
86 T	p-Isopropyltoluene	50.000	51.509	-3.0	94	0.00
87 T	1,3-Dichlorobenzene	50.000	52.223	-4.4	96	0.00
88 T	1,4-Dichlorobenzene	50.000	52.283	-4.6	97	0.00
89 T	n-Butylbenzene	50.000	51.526	-3.1	93	0.00
90 T	Hexachloroethane	50.000	50.291	-0.6	94	0.00
91 T	1,2-Dichlorobenzene	50.000	52.369	-4.7	96	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	45.900	8.2	85	0.00
93 T	1,2,4-Trichlorobenzene	50.000	51.043	-2.1	92	0.00
94 T	Hexachlorobutadiene	50.000	50.039	-0.1	93	0.00
95 T	Naphthalene	50.000	47.458	5.1	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086451.D
Acq On : 02 May 2025 09:21
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: May 02 23:13:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.494	-1.0	93	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



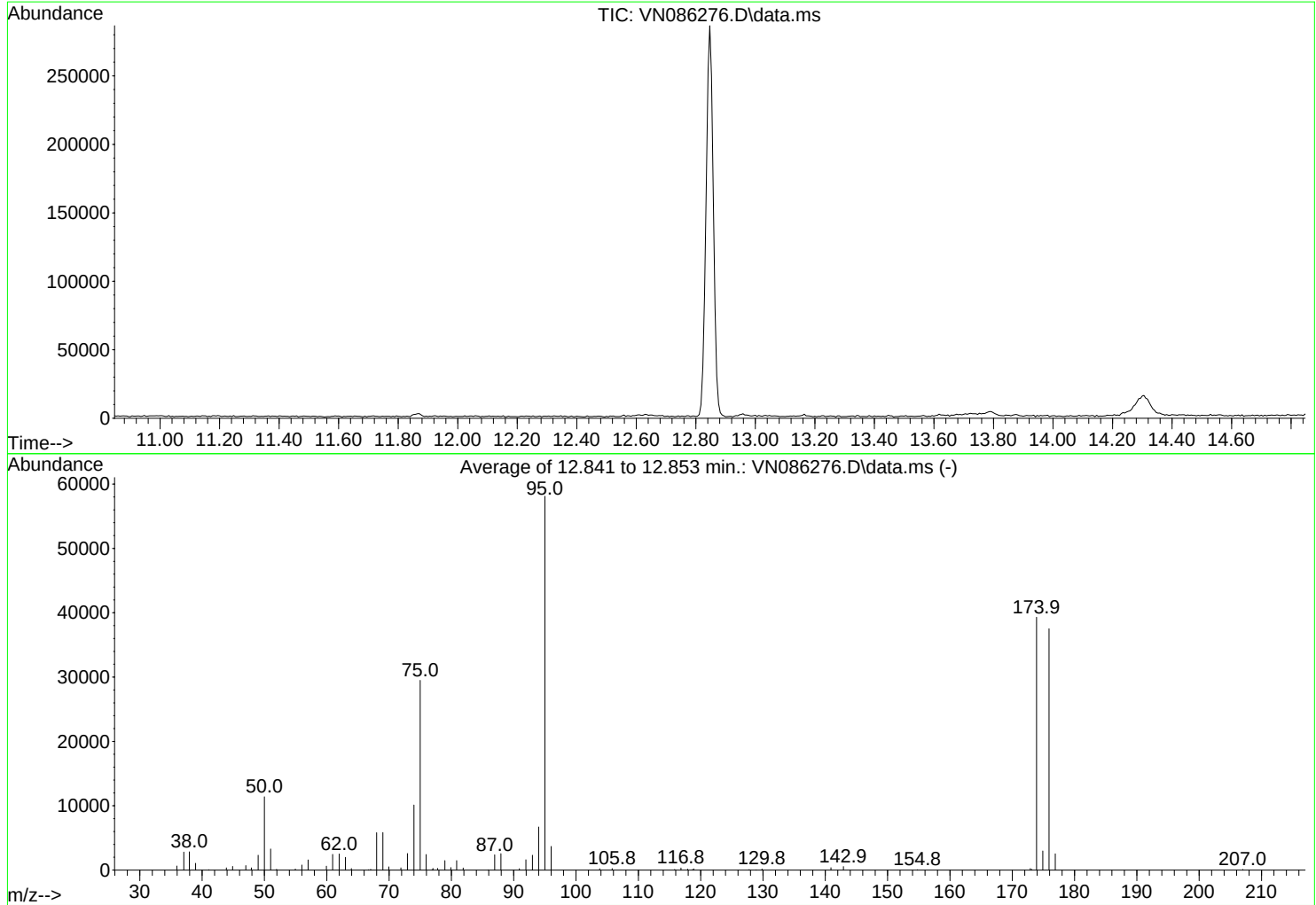
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086276.D
Acq On : 15 Apr 2025 10:47
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\82N041525W.M
Title : SW846 8260
Last Update : Wed Apr 16 04:19:23 2025



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.6	11398	PASS
75	95	30	60	50.8	29499	PASS
95	95	100	100	100.0	58112	PASS
96	95	5	9	6.3	3682	PASS
173	174	0.00	2	0.6	240	PASS
174	95	50	100	67.6	39296	PASS
175	174	5	9	7.6	2977	PASS
176	174	95	101	95.5	37528	PASS
177	176	5	9	6.7	2533	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	635	51.00	3286	67.05	140	77.80	271
37.05	2796	51.95	128	68.00	5813	78.95	147
37.95	2853	54.95	179	69.00	5847	79.90	39
38.95	1053	56.00	804	69.95	514	80.85	148
41.10	67	57.00	1592	71.90	363	81.90	335
43.90	345	59.95	619	72.95	2581	85.90	51
44.90	579	60.95	2450	74.00	10128	86.95	2372
47.00	701	62.00	2513	75.00	29499	87.95	2557
47.90	354	63.00	1986	75.95	2430	90.90	233
49.00	2323	63.95	246	76.90	99	91.95	1612
50.00	11398	66.70	59	77.05	268	93.00	2327

Average of 12.841 to 12.853 min.: VN086276.D\data.ms

BFB

Modified:subtracted

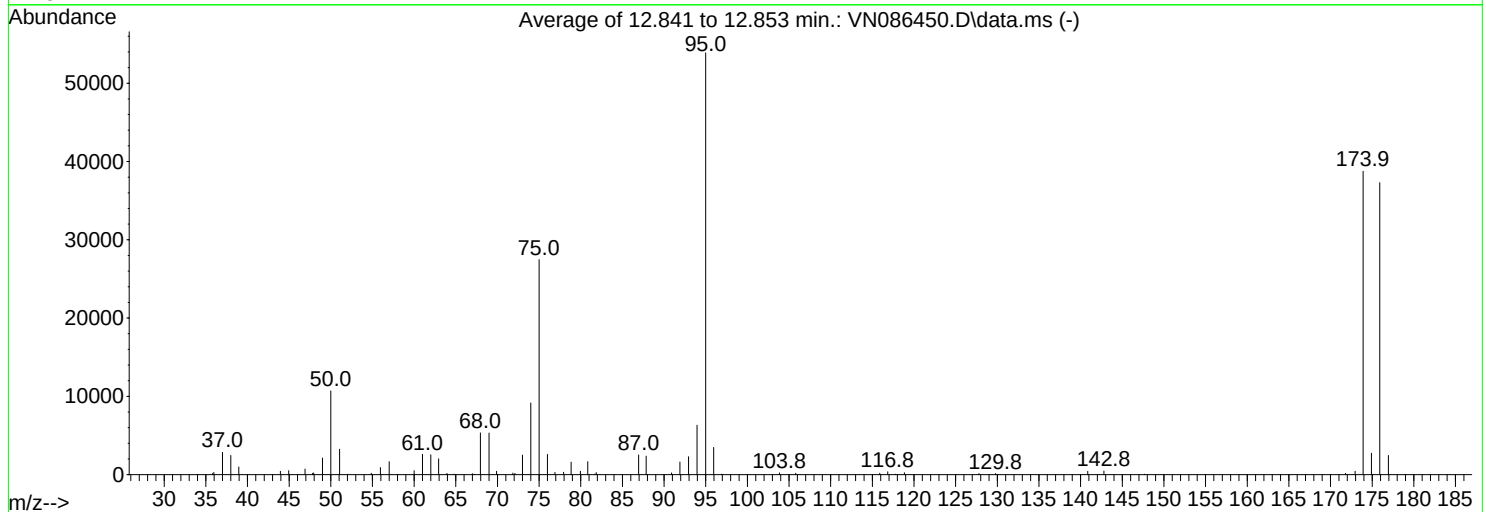
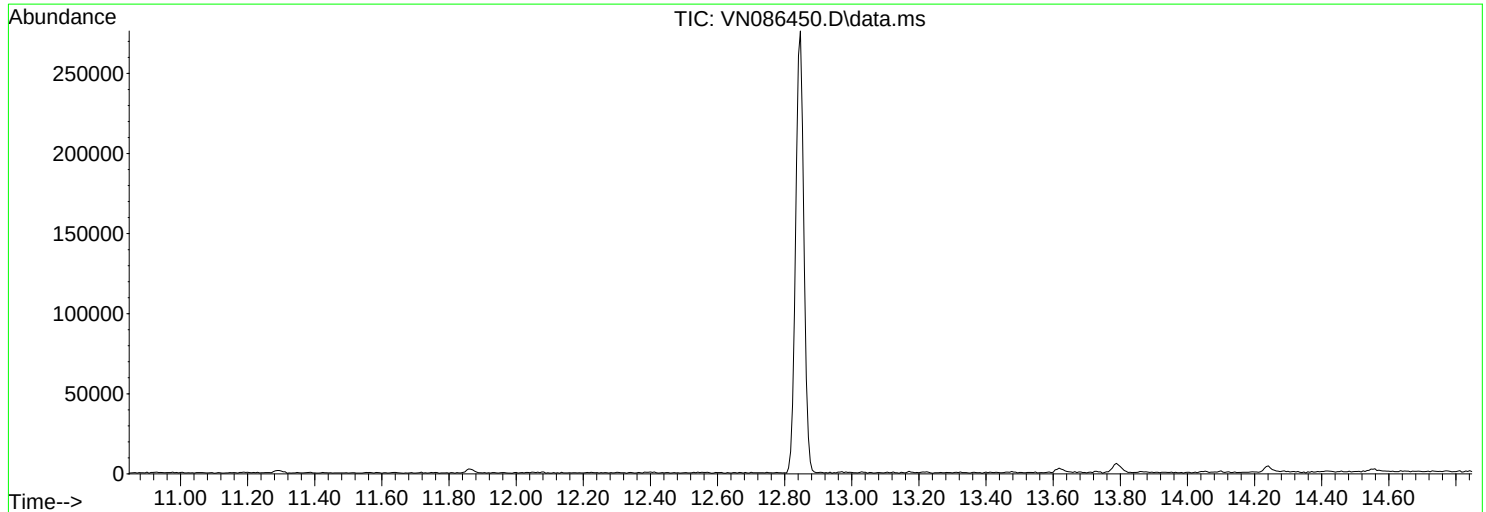
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.00	6693	128.90	53	207.00	112		
95.00	58112	129.85	189				
96.00	3682	140.90	380				
103.80	224	142.90	552				
105.80	239	154.80	75				
115.85	118	172.90	240				
116.85	326	173.10	131				
117.90	152	173.90	39296				
118.70	112	174.90	2977				
118.90	196	175.90	37528				
127.80	80	176.90	2533				

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086450.D
Acq On : 02 May 2025 08:47
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\82N041525W.M
Title : SW846 8260
Last Update : Wed Apr 16 04:19:23 2025



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.8	10692	PASS
75	95	30	60	51.0	27472	PASS
95	95	100	100	100.0	53880	PASS
96	95	5	9	6.5	3485	PASS
173	174	0.00	2	1.1	430	PASS
174	95	50	100	71.9	38757	PASS
175	174	5	9	7.1	2734	PASS
176	174	95	101	96.3	37307	PASS
177	176	5	9	6.6	2450	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.80	144	50.00	10692	64.80	69	76.00	2584
35.95	288	51.05	3261	67.00	125	76.90	270
37.00	2843	52.00	66	67.20	63	77.95	300
38.00	2447	54.85	190	67.95	5336	78.85	1590
38.95	990	55.95	911	69.00	5315	79.95	431
43.95	420	57.00	1646	69.90	435	80.85	1659
44.95	510	60.00	513	71.85	202	81.70	89
46.90	722	61.00	2591	72.10	174	81.85	259
47.80	163	62.00	2545	73.00	2500	86.95	2508
47.95	232	62.95	2032	74.00	9148	87.85	2366
49.00	2134	63.95	164	75.00	27472	90.90	230

Average of 12.841 to 12.853 min.: VN086450.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
91.90	1609	118.85	241	176.95	2450		
92.95	2293	127.80	139				
93.95	6307	129.80	147				
95.00	53880	140.85	433				
95.95	3485	142.80	477				
96.90	70	147.70	56				
103.85	216	171.80	167				
105.80	185	172.95	430				
115.90	183	173.90	38757				
116.85	374	174.90	2734				
117.80	60	175.90	37307				

Instrument :

MSVOA_N

ClientSampleId :

BFB

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Dover	Date Received:	
Client Sample ID:	VN0502WBL01	SDG No.:	Q1940
Lab Sample ID:	VN0502WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOCMS Group1

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086453.D	1		05/02/25 10:22	VN050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-65-0	Tert butyl alcohol	5.50	U	5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Dover	Date Received:	
Client Sample ID:	VN0502WBL01	SDG No.:	Q1940
Lab Sample ID:	VN0502WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086453.D	1		05/02/25 10:22	VN050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.1		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	60.7		75 - 124	121%	SPK: 50
2037-26-5	Toluene-d8	51.3		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.1		77 - 121	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	155000	8.224			
540-36-3	1,4-Difluorobenzene	299000	9.1			
3114-55-4	Chlorobenzene-d5	281000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	119000	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\VN050225\
 Data File : VN086453.D
 Acq On : 02 May 2025 10:22
 Operator : JC\MD
 Sample : VN0502WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBL01

Quant Time: May 02 23:14:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	154685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	298860	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	280972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119397	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	112374	50.098	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	100.200%
35) Dibromofluoromethane	8.165	113	84217	60.717	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	121.440%
50) Toluene-d8	10.565	98	380294	51.301	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.600%
62) 4-Bromofluorobenzene	12.847	95	132869	49.141	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.280%

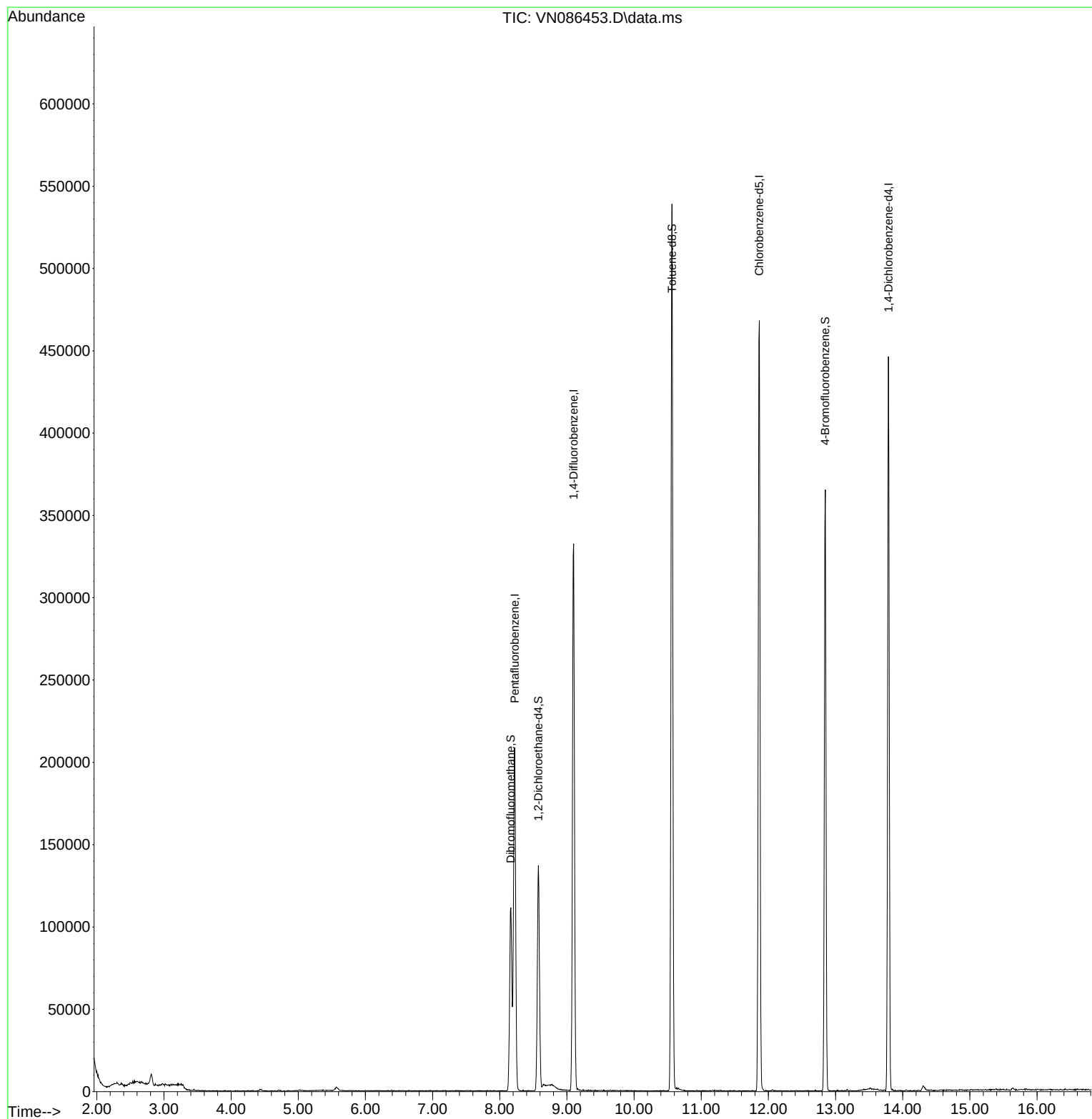
Target Compounds	Qvalue

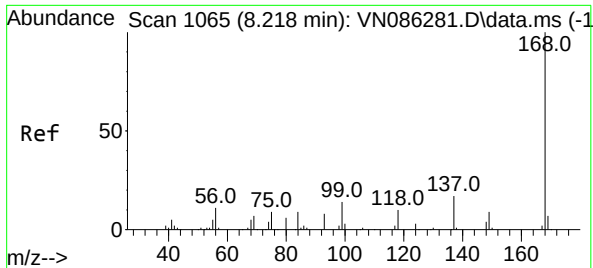
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086453.D
Acq On : 02 May 2025 10:22
Operator : JC\MD
Sample : VN0502WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBL01

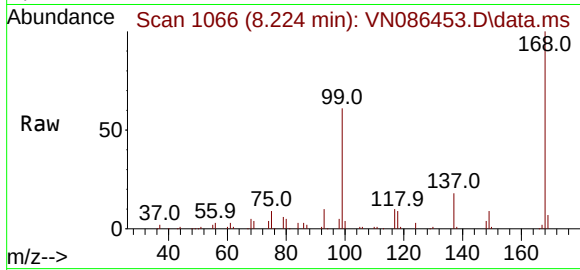
Quant Time: May 02 23:14:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



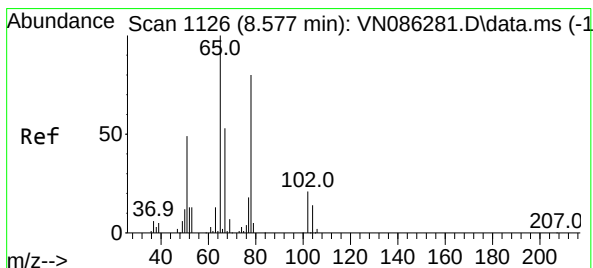
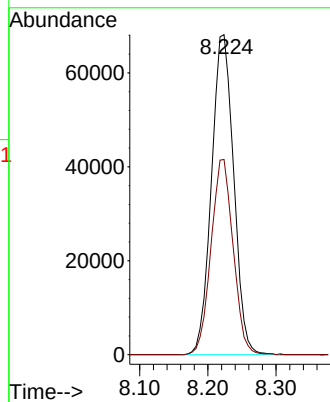
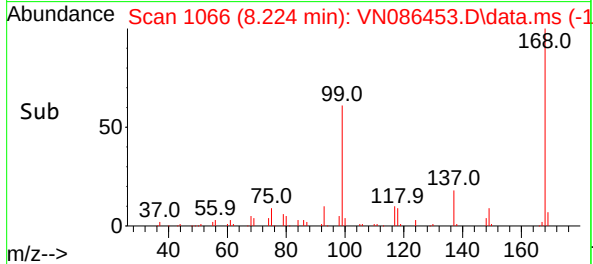


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086453.D
Acq: 02 May 2025 10:22

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBL01

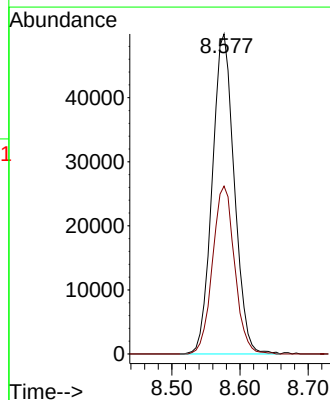
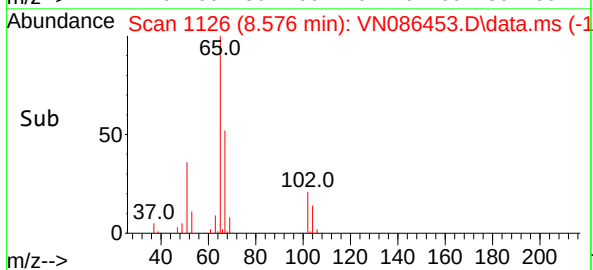
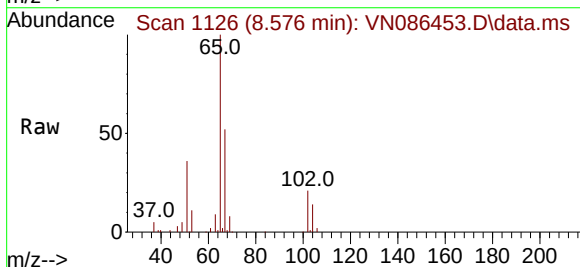


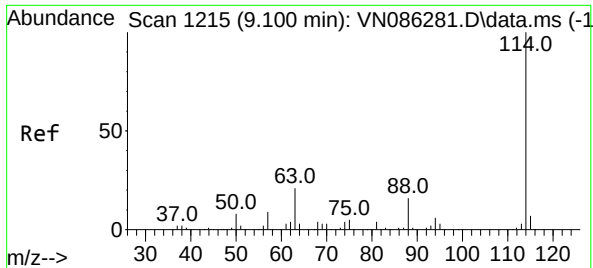
Tgt Ion:168 Resp: 154685
Ion Ratio Lower Upper
168 100
99 61.0 52.5 78.7



#33
1,2-Dichloroethane-d4
Concen: 50.098 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086453.D
Acq: 02 May 2025 10:22

Tgt Ion: 65 Resp: 112374
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086453.D

Acq: 02 May 2025 10:22

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBL01

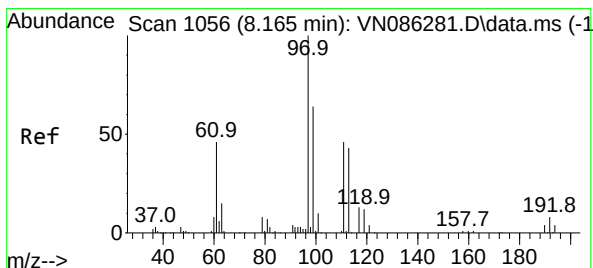
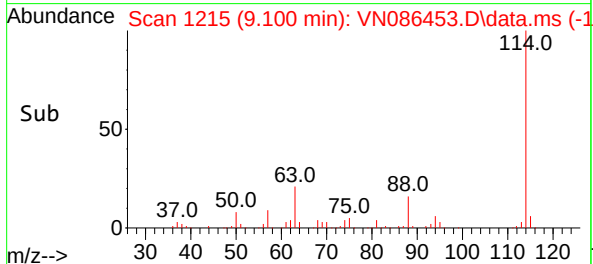
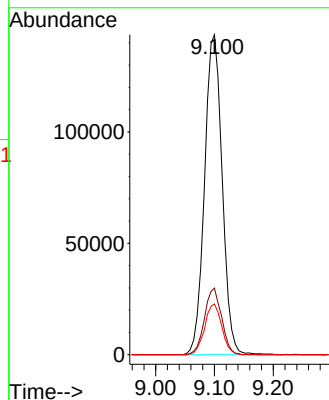
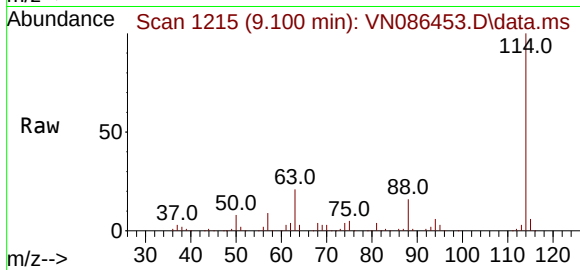
Tgt Ion:114 Resp: 298860

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.6

88 15.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 60.717 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086453.D

Acq: 02 May 2025 10:22

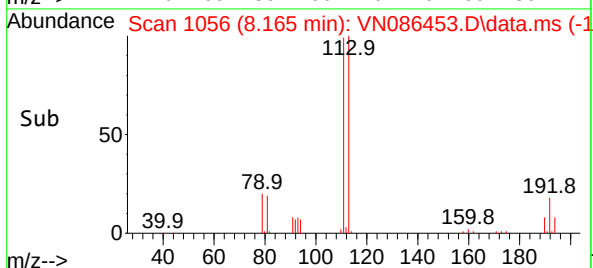
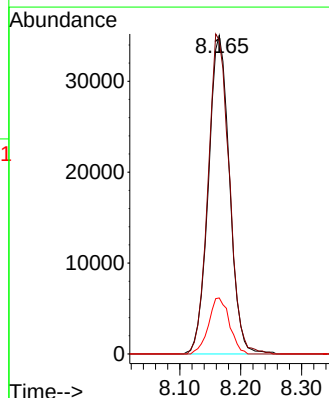
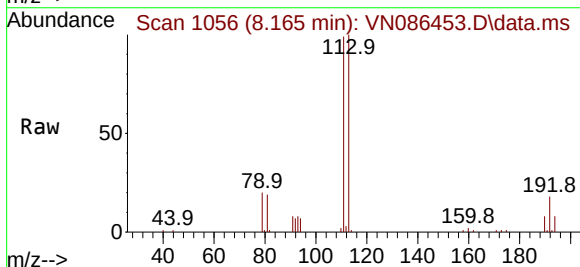
Tgt Ion:113 Resp: 84217

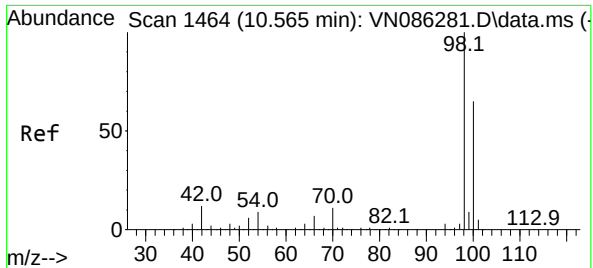
Ion Ratio Lower Upper

113 100

111 101.0 83.4 125.0

192 17.4 13.7 20.5

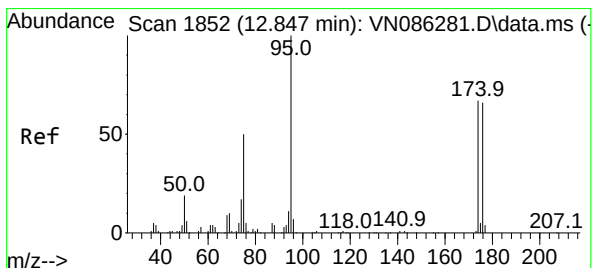
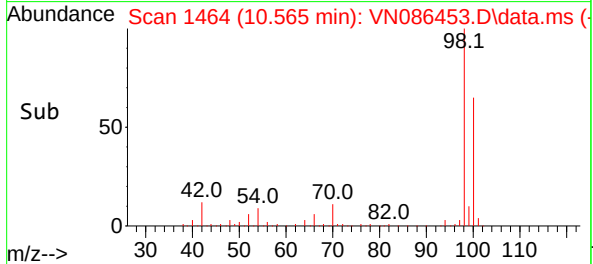
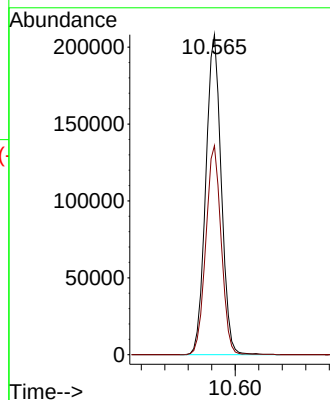
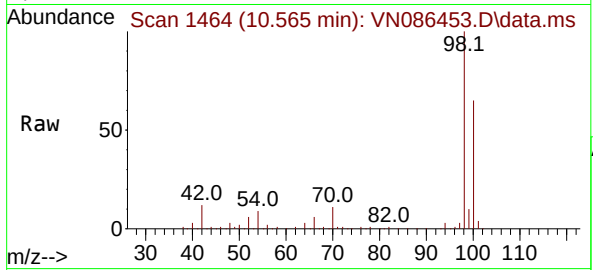




#50
Toluene-d8
Concen: 51.301 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086453.D
Acq: 02 May 2025 10:22

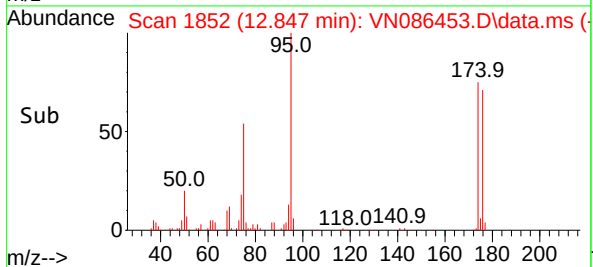
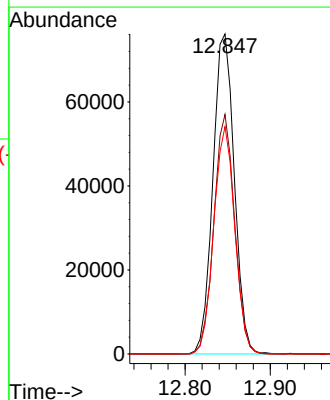
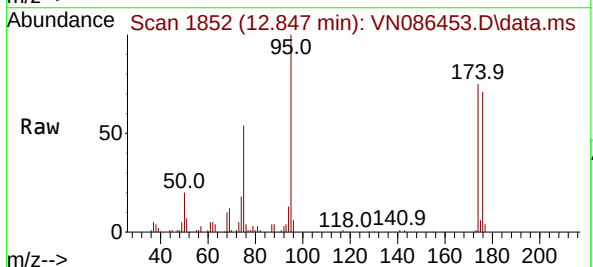
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBL01

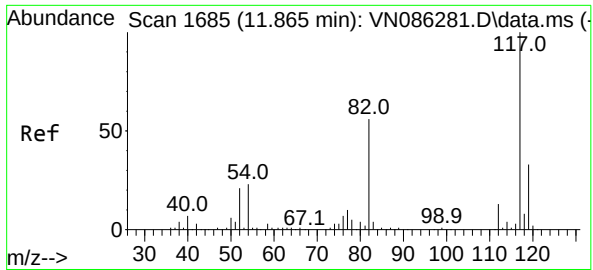
Tgt Ion: 98 Resp: 380294
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 49.141 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086453.D
Acq: 02 May 2025 10:22

Tgt Ion: 95 Resp: 132869
Ion Ratio Lower Upper
95 100
174 72.6 0.0 133.4
176 69.8 0.0 129.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086453.D

Acq: 02 May 2025 10:22

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBL01

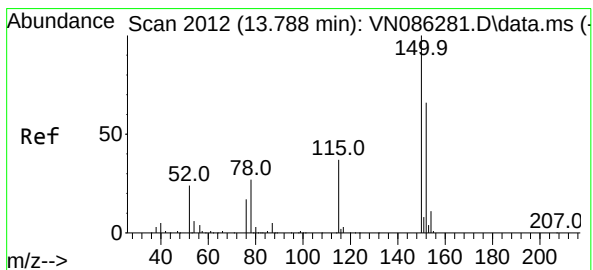
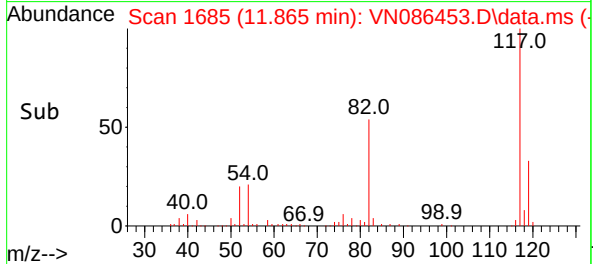
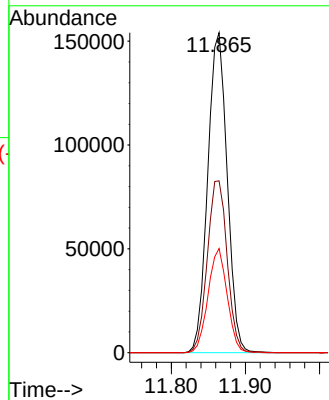
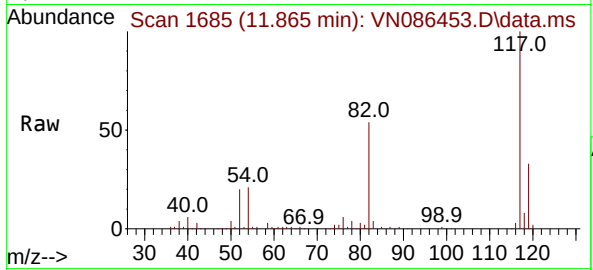
Tgt Ion:117 Resp: 280972

Ion Ratio Lower Upper

117 100

82 53.7 44.7 67.1

119 32.5 26.4 39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN086453.D

Acq: 02 May 2025 10:22

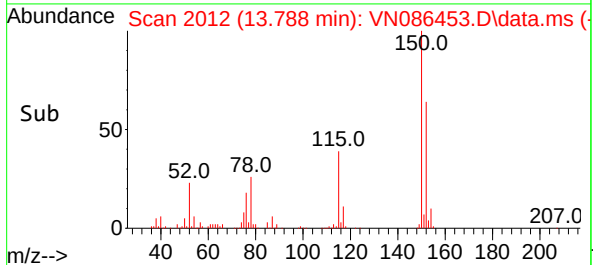
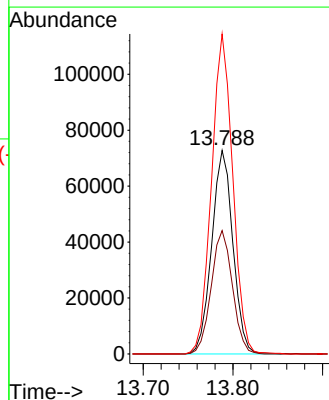
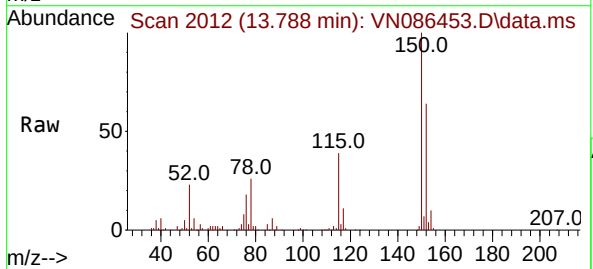
Tgt Ion:152 Resp: 119397

Ion Ratio Lower Upper

152 100

115 60.6 31.9 95.9

150 157.4 0.0 352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086453.D
Acq On : 02 May 2025 10:22
Operator : JC\MD
Sample : VN0502WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M

Title : SW846 8260

Signal : TIC: VN086453.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.812	141	146	153	rVB	7027	15523	1.57%	0.314%
2	8.165	1046	1056	1060	rBV	111293	261203	26.40%	5.288%
3	8.224	1060	1066	1079	rVB	208393	469511	47.45%	9.506%
4	8.577	1116	1126	1134	rBV	137044	304409	30.77%	6.163%
5	9.100	1206	1215	1224	rBV	332381	682454	68.97%	13.817%
6	10.565	1454	1464	1474	rBV	538836	989436	100.00%	20.032%
7	11.865	1677	1685	1698	rBV	467980	858427	86.76%	17.380%
8	12.847	1844	1852	1862	rVB	365323	621166	62.78%	12.576%
9	13.788	2005	2012	2021	rBV	446286	737091	74.50%	14.923%

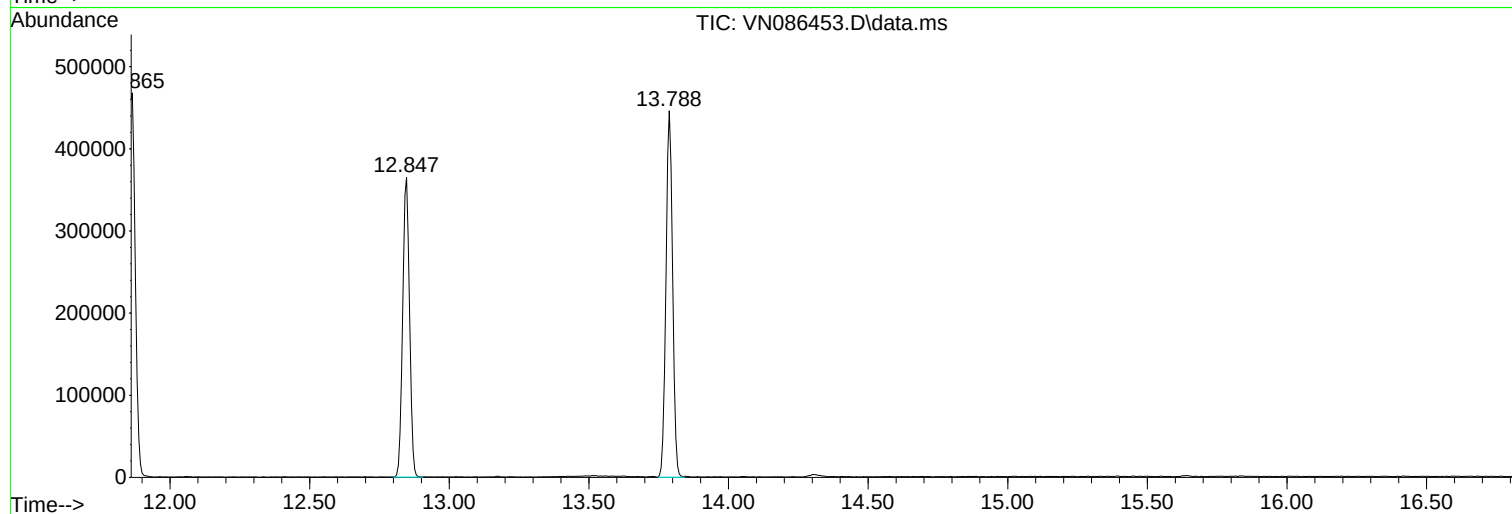
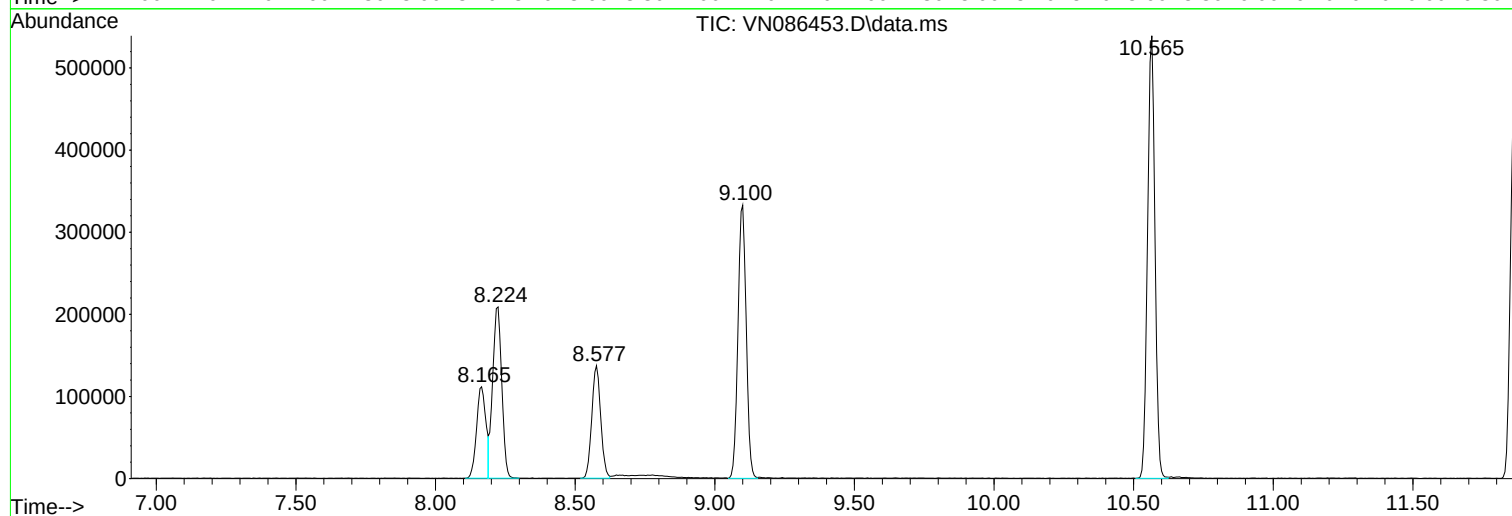
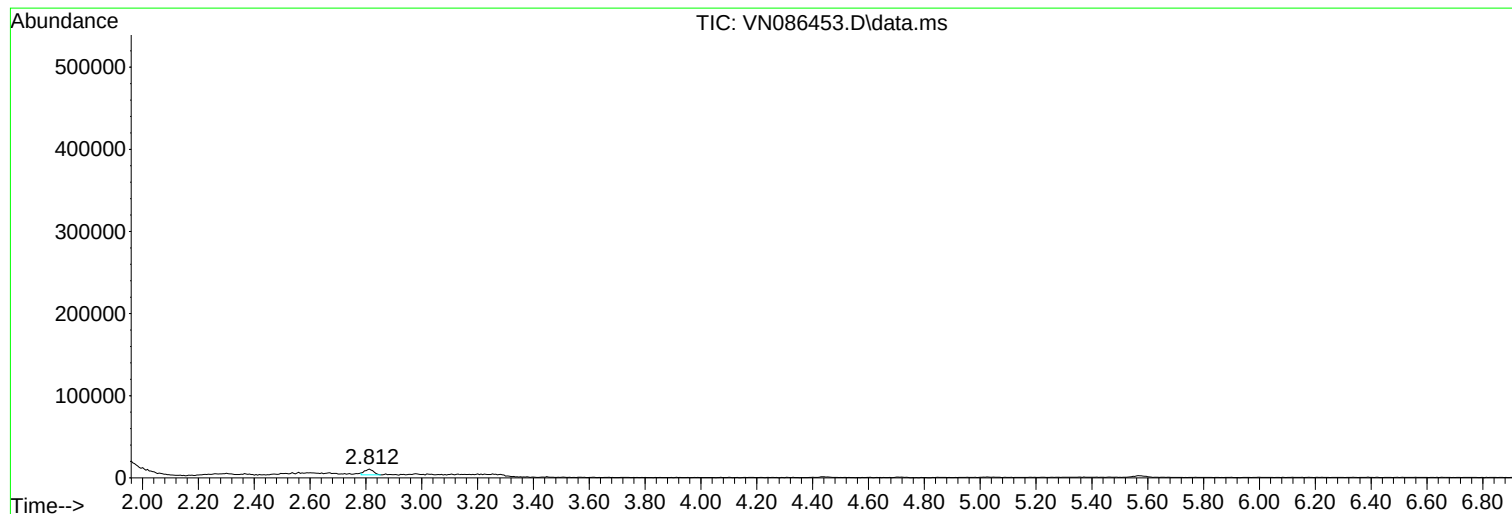
Sum of corrected areas: 4939220

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086453.D
Acq On : 02 May 2025 10:22
Operator : JC\MD
Sample : VN0502WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086453.D
Acq On : 02 May 2025 10:22
Operator : JC\MD
Sample : VN0502WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086453.D
Acq On : 02 May 2025 10:22
Operator : JC\MD
Sample : VN0502WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Dover	Date Received:	
Client Sample ID:	VN0502WBS01	SDG No.:	Q1940
Lab Sample ID:	VN0502WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086454.D	1		05/02/25 11:26	VN050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	17.3		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.4		0.26	1.00	ug/L
74-83-9	Bromomethane	22.6		1.40	5.00	ug/L
75-00-3	Chloroethane	17.9		0.47	1.00	ug/L
75-65-0	Tert butyl alcohol	82.7		5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	18.5		0.23	1.00	ug/L
67-64-1	Acetone	87.4		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.0		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.2		0.16	1.00	ug/L
75-09-2	Methylene Chloride	18.6		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.8		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.3		0.23	1.00	ug/L
78-93-3	2-Butanone	83.8		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.2		0.19	1.00	ug/L
67-66-3	Chloroform	19.4		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.9		0.20	1.00	ug/L
71-43-2	Benzene	19.6		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.0		0.22	1.00	ug/L
79-01-6	Trichloroethene	20.4		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.4		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.3		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	89.0		0.68	5.00	ug/L
108-88-3	Toluene	20.1		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.8		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.2		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.3		0.21	1.00	ug/L
591-78-6	2-Hexanone	88.0		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	19.9		0.18	1.00	ug/L
127-18-4	Tetrachloroethene	20.6		0.23	1.00	ug/L

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Dover	Date Received:	
Client Sample ID:	VN0502WBS01	SDG No.:	Q1940
Lab Sample ID:	VN0502WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086454.D	1		05/02/25 11:26	VN050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	20.0		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.9		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.4		0.24	2.00	ug/L
95-47-6	o-Xylene	19.9		0.12	1.00	ug/L
100-42-5	Styrene	19.8		0.15	1.00	ug/L
75-25-2	Bromoform	19.8		0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.9		0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.8		74 - 125	104%	SPK: 50
1868-53-7	Dibromofluoromethane	57.5		75 - 124	115%	SPK: 50
2037-26-5	Toluene-d8	52.4		86 - 113	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		77 - 121	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	205000	8.223			
540-36-3	1,4-Difluorobenzene	372000	9.1			
3114-55-4	Chlorobenzene-d5	335000	11.864			
3855-82-1	1,4-Dichlorobenzene-d4	156000	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\VN050225\
 Data File : VN086454.D
 Acq On : 02 May 2025 11:26
 Operator : JC\MD
 Sample : VN0502WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/05/2025
 Supervised By :Semsettin Yesilyurt 05/05/2025

Quant Time: May 02 23:14:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.223	168	205101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	372276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	334682	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	155592	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	153988	51.776	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.560%	
35) Dibromofluoromethane	8.165	113	99383	57.521	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 115.040%	
50) Toluene-d8	10.565	98	484267	52.443	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.880%	
62) 4-Bromofluorobenzene	12.847	95	173581	51.537	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.080%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	47083	19.365	ug/l	97
3) Chloromethane	2.359	50	60996	17.262	ug/l	99
4) Vinyl Chloride	2.518	62	62080	18.411	ug/l	99
5) Bromomethane	2.959	94	34255	22.585	ug/l	97
6) Chloroethane	3.124	64	40498	17.945	ug/l	100
7) Trichlorofluoromethane	3.500	101	71398	19.115	ug/l	95
8) Diethyl Ether	3.959	74	28673	17.584	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	45539	20.154	ug/l	98
10) Methyl Iodide	4.588	142	54530	21.951	ug/l	98
11) Tert butyl alcohol	5.506	59	44886	82.715	ug/l	97
12) 1,1-Dichloroethene	4.341	96	44754	18.539	ug/l	96
13) Acrolein	4.183	56	19530	66.082	ug/l	96
14) Allyl chloride	5.024	41	74566	17.376	ug/l	99
15) Acrylonitrile	5.712	53	115876	86.380	ug/l	100
16) Acetone	4.424	43	93733	87.444	ug/l	99
17) Carbon Disulfide	4.712	76	123136	17.036	ug/l	99
18) Methyl Acetate	5.024	43	53174	14.894	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	161132	18.158	ug/l	97
20) Methylene Chloride	5.277	84	51140	18.600	ug/l	96
21) trans-1,2-Dichloroethene	5.788	96	47446	18.799	ug/l	92
22) Diisopropyl ether	6.665	45	161515	17.302	ug/l	95
23) Vinyl Acetate	6.600	43	590517	90.489	ug/l	97
24) 1,1-Dichloroethane	6.565	63	90149	18.302	ug/l	97
25) 2-Butanone	7.482	43	155065	83.762	ug/l	98
26) 2,2-Dichloropropane	7.488	77	86618	19.640	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	60271	19.241	ug/l	96
28) Bromochloromethane	7.812	49	43134	20.653	ug/l	94
29) Tetrahydrofuran	7.835	42	100403	81.105	ug/l	95
30) Chloroform	7.965	83	93940	19.415	ug/l	98
31) Cyclohexane	8.253	56	86731	17.994	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	82484	19.927	ug/l	96
36) 1,1-Dichloropropene	8.371	75	67556	19.576	ug/l	99
37) Ethyl Acetate	7.553	43	62473	17.195	ug/l	99
38) Carbon Tetrachloride	8.359	117	67275	20.471	ug/l	98
39) Methylcyclohexane	9.594	83	80452	19.614	ug/l	96
40) Benzene	8.606	78	216239	19.557	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
 Data File : VN086454.D
 Acq On : 02 May 2025 11:26
 Operator : JC\MD
 Sample : VN0502WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/05/2025
 Supervised By :Semsettin Yesilyurt 05/05/2025

Quant Time: May 02 23:14:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	36564	17.364	ug/l	97
42) 1,2-Dichloroethane	8.671	62	70604	20.024	ug/l	99
43) Isopropyl Acetate	8.682	43	124400	17.614	ug/l	100
44) Trichloroethene	9.347	130	53436	20.390	ug/l	96
45) 1,2-Dichloropropane	9.618	63	52555	19.418	ug/l	97
46) Dibromomethane	9.706	93	35972	20.860	ug/l	96
47) Bromodichloromethane	9.882	83	75521	20.277	ug/l	96
48) Methyl methacrylate	9.676	41	55312	17.336	ug/l	97
49) 1,4-Dioxane	9.694	88	19052	351.057	ug/l	95
51) 4-Methyl-2-Pentanone	10.441	43	331039	88.980	ug/l	97
52) Toluene	10.629	92	138339	20.052	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	82248	19.783	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	87598	19.183	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	50381	20.297	ug/l	99
56) Ethyl methacrylate	10.870	69	84956	18.620	ug/l	96
57) 1,3-Dichloropropane	11.159	76	87846	19.947	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	118312	54.632	ug/l	97
59) 2-Hexanone	11.194	43	242948	88.040	ug/l	99
60) Dibromochloromethane	11.353	129	54306	19.924	ug/l	98
61) 1,2-Dibromoethane	11.464	107	50570	20.191	ug/l	98
64) Tetrachloroethene	11.106	164	52924	20.558	ug/l	97
65) Chlorobenzene	11.888	112	149414	20.005	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	50746	20.595	ug/l	99
67) Ethyl Benzene	11.959	91	267796	19.869	ug/l	100
68) m/p-Xylenes	12.070	106	204005	40.396	ug/l	97
69) o-Xylene	12.394	106	99555	19.934	ug/l	98
70) Styrene	12.406	104	164379	19.753	ug/l	99
71) Bromoform	12.576	173	36657	19.760	ug/l #	98
73) Isopropylbenzene	12.694	105	246083	19.334	ug/l	100
74) N-amyl acetate	12.488	43	103766	16.377	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	69090	18.879	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	67376m	18.350	ug/l	
77) Bromobenzene	12.976	156	57133	20.259	ug/l	94
78) n-propylbenzene	13.035	91	291710	19.450	ug/l	100
79) 2-Chlorotoluene	13.123	91	179302	19.105	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	204033	19.586	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	30259	19.792	ug/l	90
82) 4-Chlorotoluene	13.217	91	180626	19.375	ug/l	98
83) tert-Butylbenzene	13.435	119	173396	19.210	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	208033	19.619	ug/l	100
85) sec-Butylbenzene	13.611	105	249128	19.898	ug/l	99
86) p-Isopropyltoluene	13.723	119	206496	20.010	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	107143	20.210	ug/l	98
88) 1,4-Dichlorobenzene	13.811	146	108366	20.294	ug/l	99
89) n-Butylbenzene	14.053	91	180771	19.762	ug/l	98
90) Hexachloroethane	14.329	117	33053	19.042	ug/l	99
91) 1,2-Dichlorobenzene	14.105	146	104174	20.268	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13218	17.913	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	50233	20.410	ug/l	99
94) Hexachlorobutadiene	15.499	225	19866	21.383	ug/l	97
95) Naphthalene	15.635	128	161235	18.481	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	46532	19.970	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086454.D
Acq On : 02 May 2025 11:26
Operator : JC\MD
Sample : VN0502WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

Quant Time: May 02 23:14:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

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

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

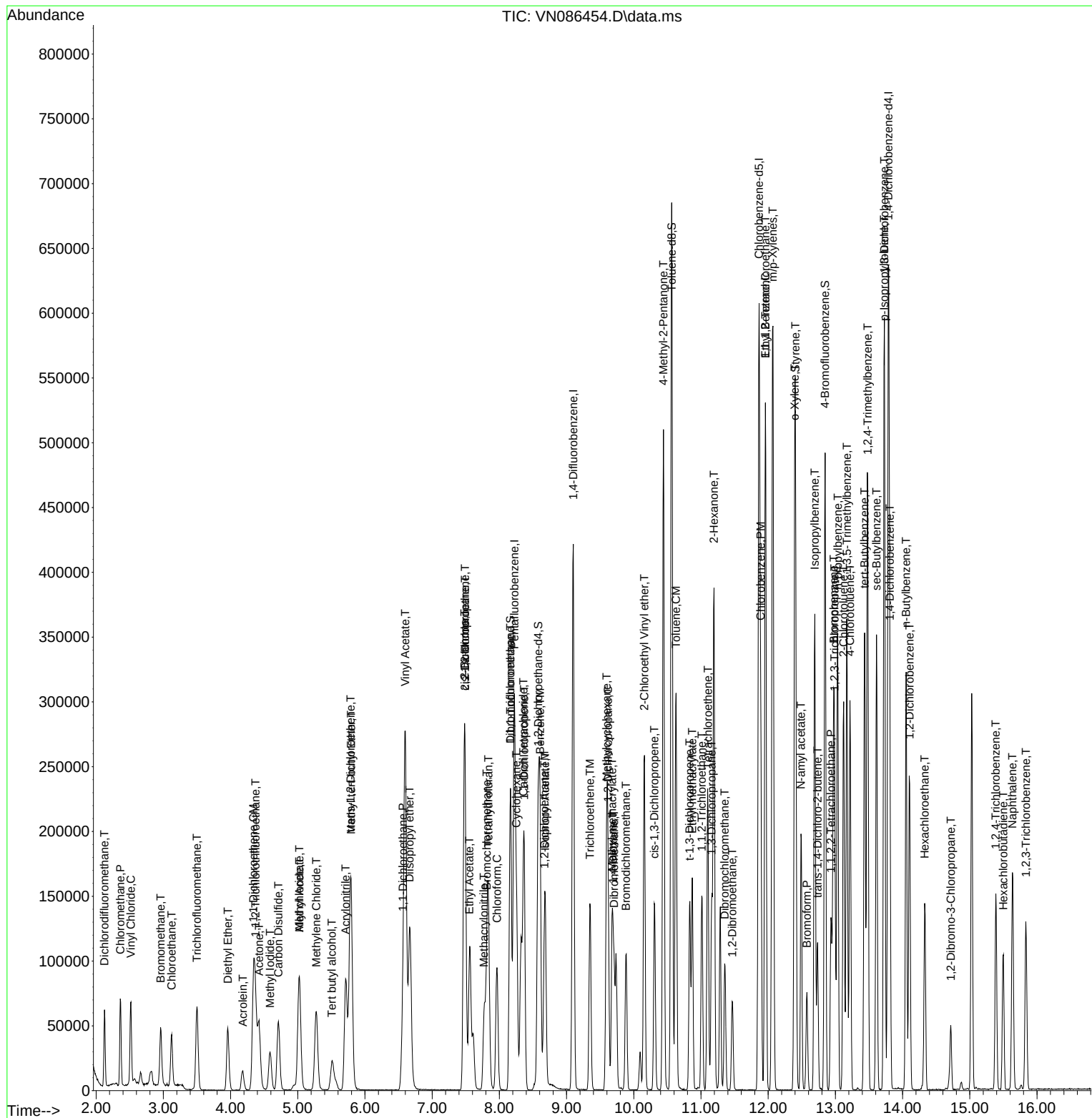
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
 Data File : VN086454.D
 Acq On : 02 May 2025 11:26
 Operator : JC\MD
 Sample : VN0502WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

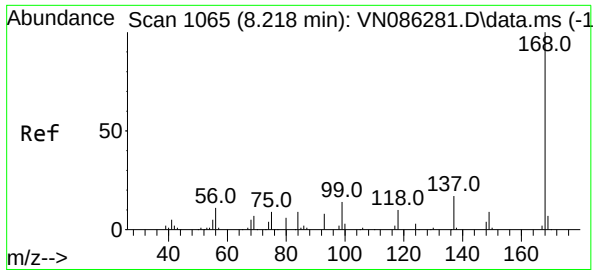
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 05/05/2025
 Supervised By : Semsettin Yesilyurt 05/05/2025

Quant Time: May 02 23:14:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration





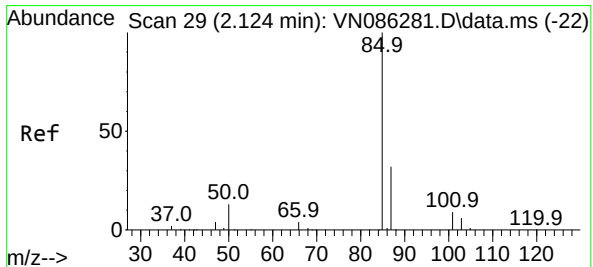
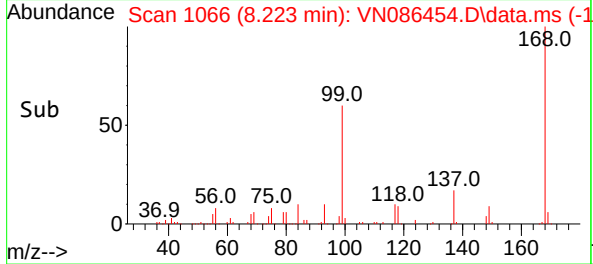
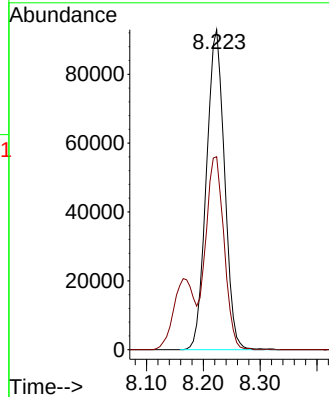
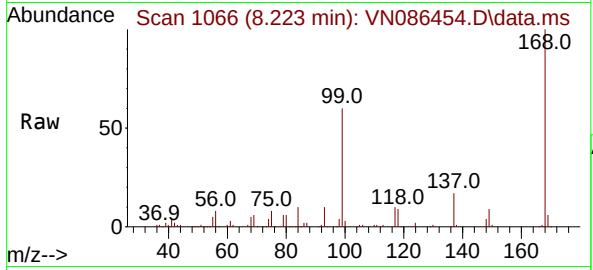
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.223 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01

Tgt Ion:168 Resp: 20510
Ion Ratio Lower Upper
168 100
99 60.3 52.5 78.7

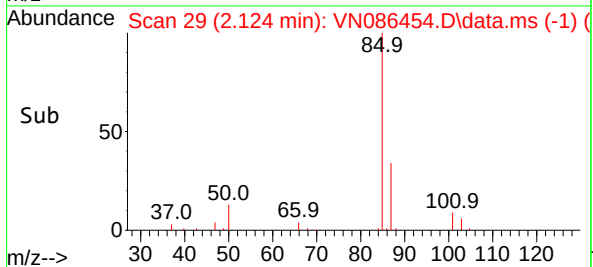
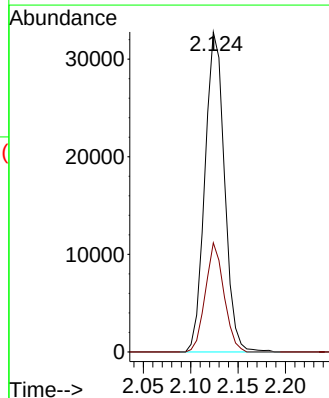
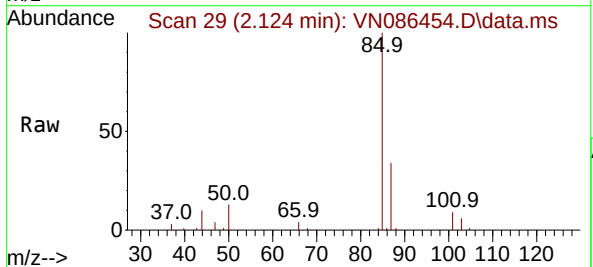
Manual Integrations
APPROVED

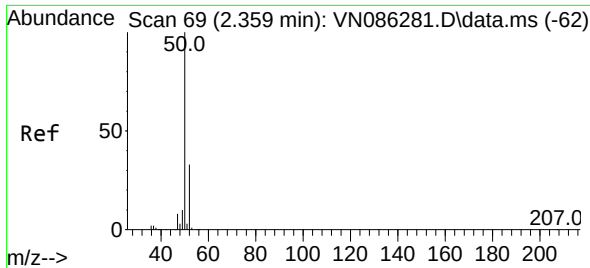
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#2
Dichlorodifluoromethane
Concen: 19.365 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

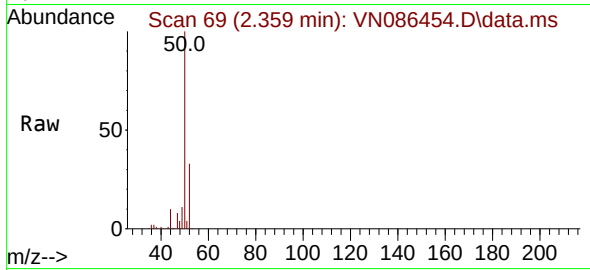
Tgt Ion: 85 Resp: 47083
Ion Ratio Lower Upper
85 100
87 34.1 16.3 48.8





#3
Chloromethane
Concen: 17.262 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

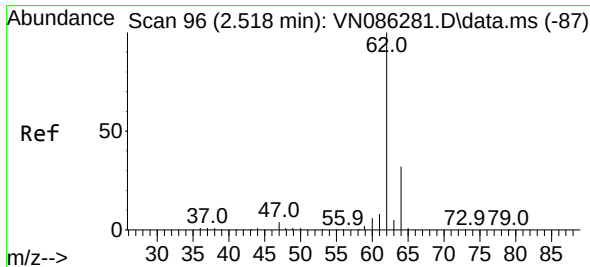
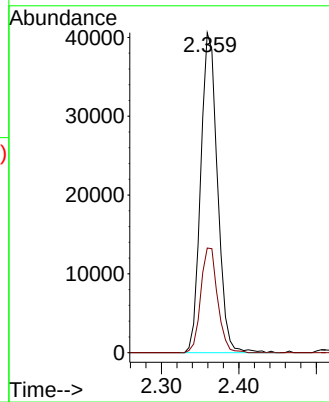
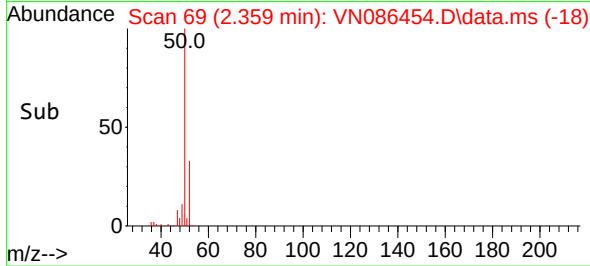
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01



Tgt Ion: 50 Resp: 60990
Ion Ratio Lower Upper
50 100
52 32.7 26.5 39.7

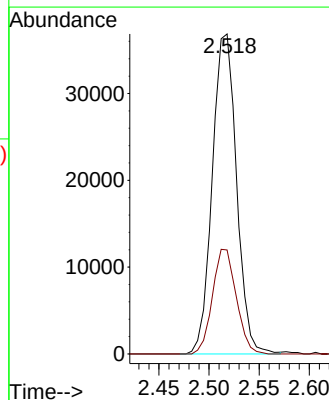
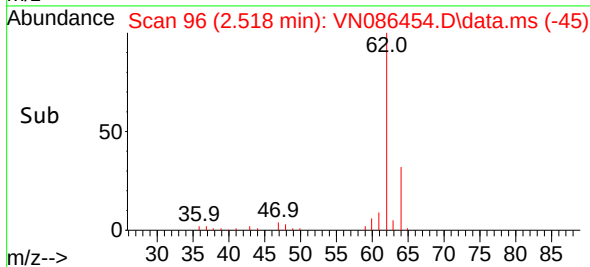
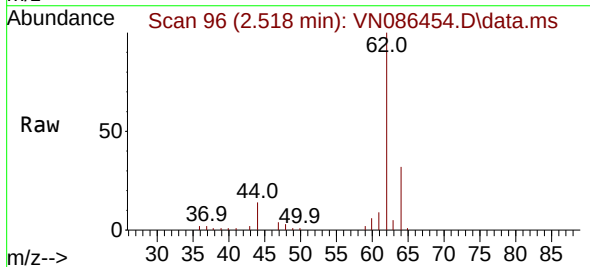
Manual Integrations
APPROVED

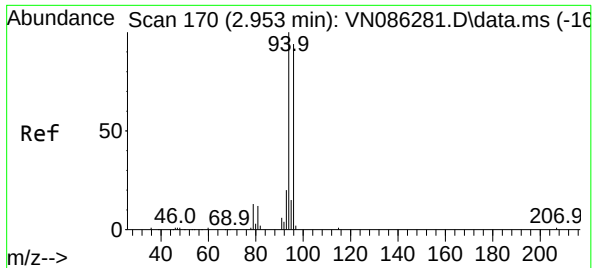
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#4
Vinyl Chloride
Concen: 18.411 ug/l
RT: 2.518 min Scan# 96
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

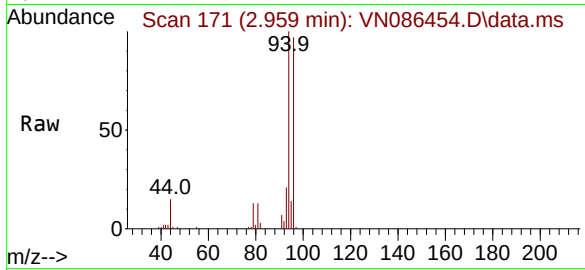
Tgt Ion: 62 Resp: 62080
Ion Ratio Lower Upper
62 100
64 32.5 25.6 38.4





#5
Bromomethane
Concen: 22.585 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

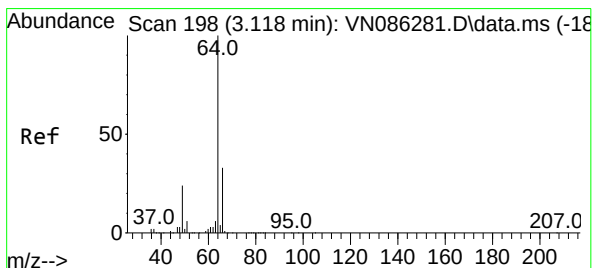
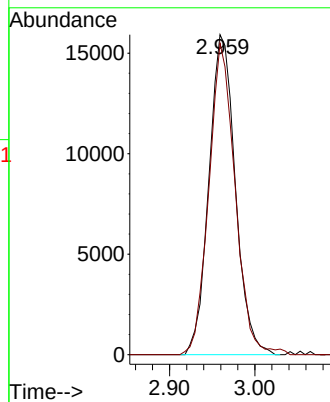
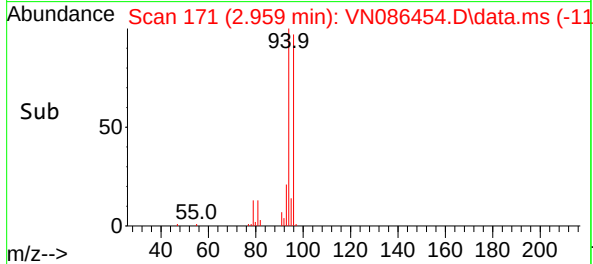
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01



Tgt Ion: 94 Resp: 3425
Ion Ratio Lower Upper
94 100
96 97.3 75.2 112.8

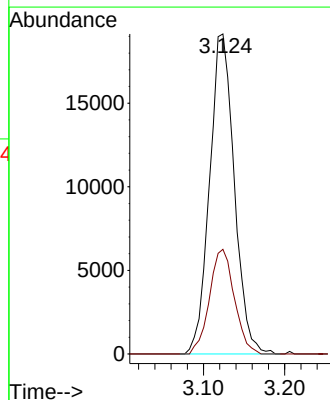
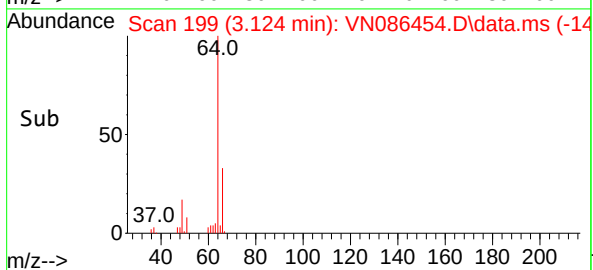
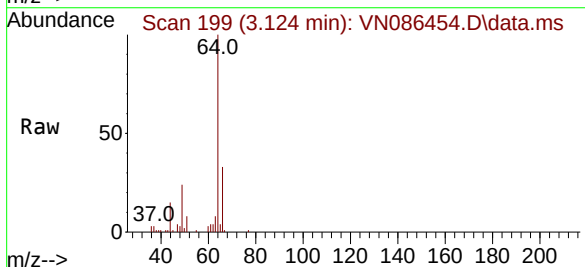
Manual Integrations
APPROVED

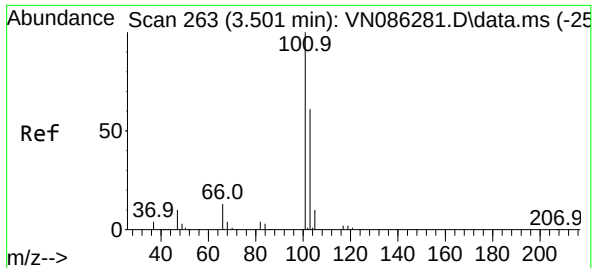
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#6
Chloroethane
Concen: 17.945 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

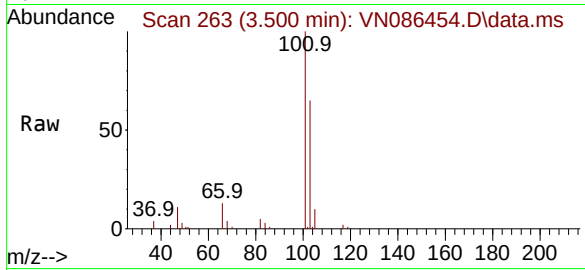
Tgt Ion: 64 Resp: 40498
Ion Ratio Lower Upper
64 100
66 32.7 26.2 39.2





#7
Trichlorofluoromethane
Concen: 19.115 ug/l
RT: 3.500 min Scan# 263
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

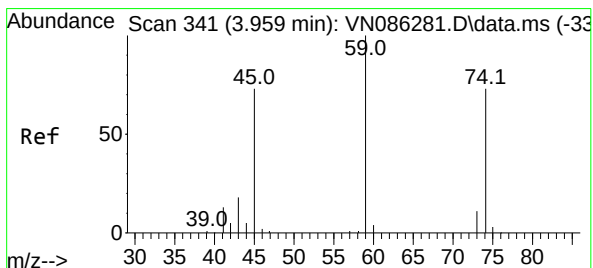
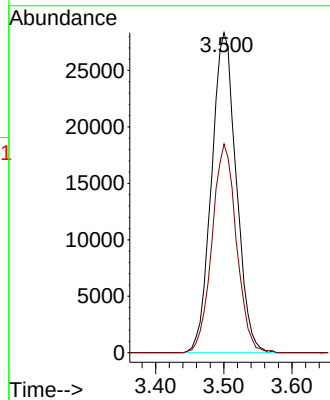
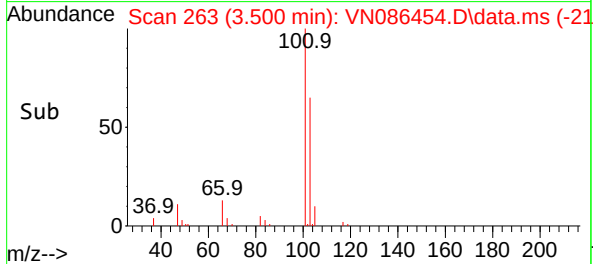
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01



Tgt Ion:101 Resp: 71398
Ion Ratio Lower Upper
101 100
103 65.2 49.2 73.8

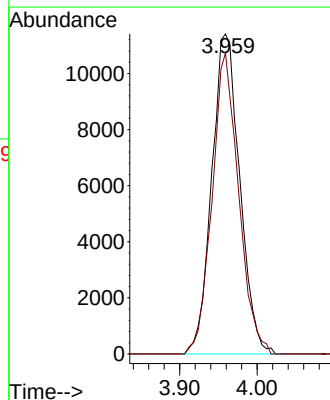
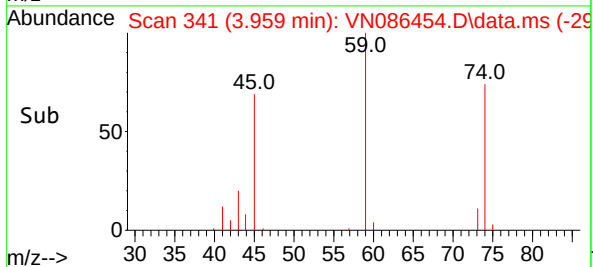
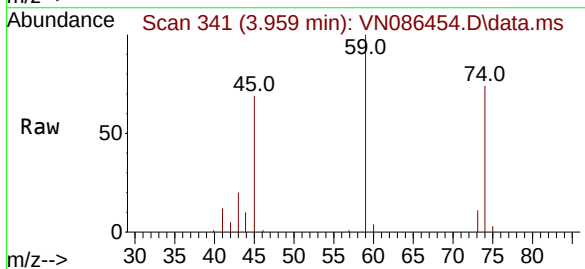
Manual Integrations
APPROVED

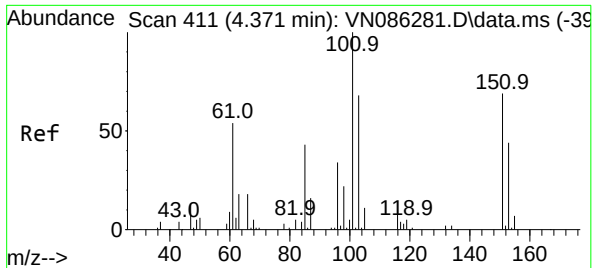
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#8
Diethyl Ether
Concen: 17.584 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

Tgt Ion: 74 Resp: 28673
Ion Ratio Lower Upper
74 100
45 89.1 48.0 144.2





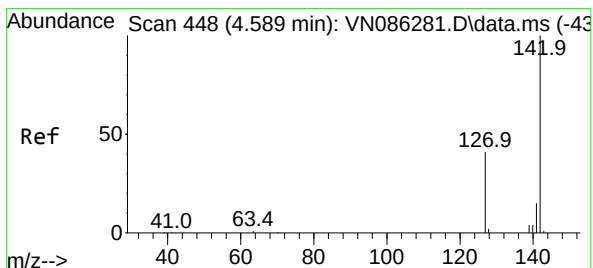
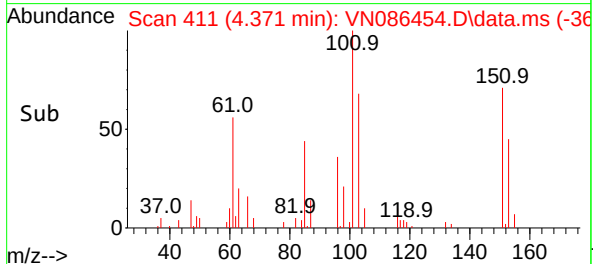
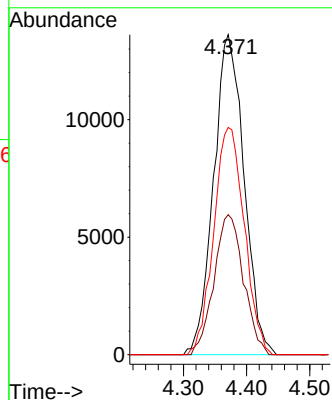
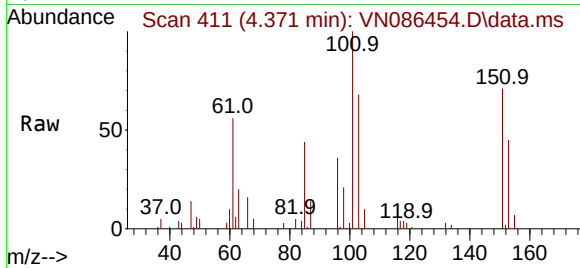
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.154 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01

Tgt Ion:101 Resp: 45539
Ion Ratio Lower Upper
101 100
85 42.5 34.7 52.1
151 71.4 56.1 84.1

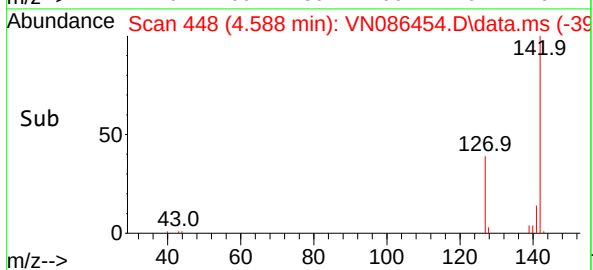
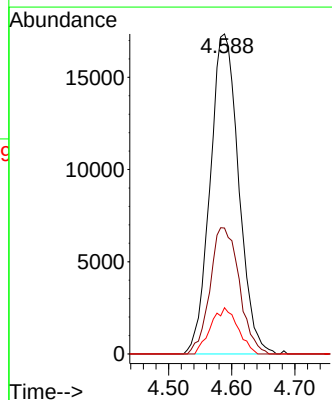
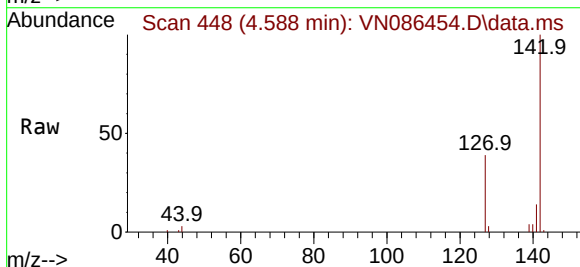
Manual Integrations
APPROVED

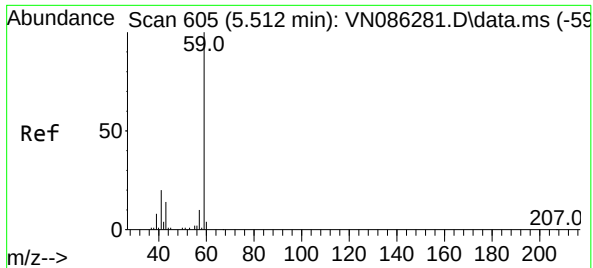
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#10
Methyl Iodide
Concen: 21.951 ug/l
RT: 4.588 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

Tgt Ion:142 Resp: 54530
Ion Ratio Lower Upper
142 100
127 39.4 32.7 49.1
141 14.4 11.7 17.5





#11

Tert butyl alcohol

Concen: 82.715 ug/l

RT: 5.506 min Scan# 605

Delta R.T. -0.006 min

Lab File: VN086454.D

Acq: 02 May 2025 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBS01

Tgt Ion: 59 Resp: 4488

Ion Ratio Lower Upper

59 100

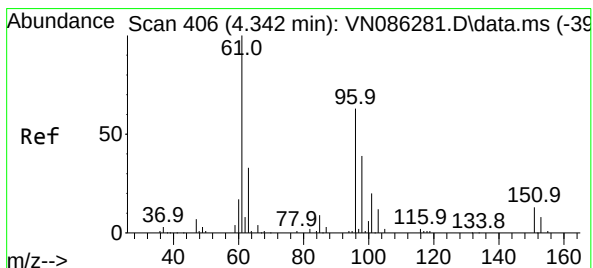
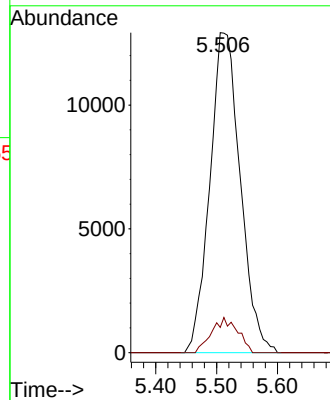
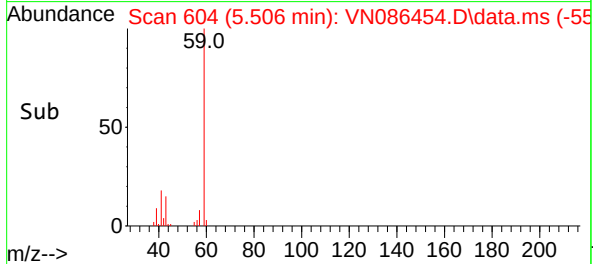
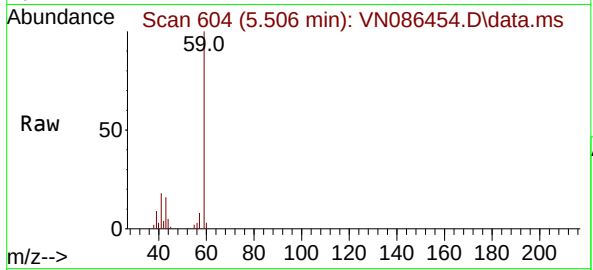
57 9.3 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#12

1,1-Dichloroethene

Concen: 18.539 ug/l

RT: 4.341 min Scan# 406

Delta R.T. -0.000 min

Lab File: VN086454.D

Acq: 02 May 2025 11:26

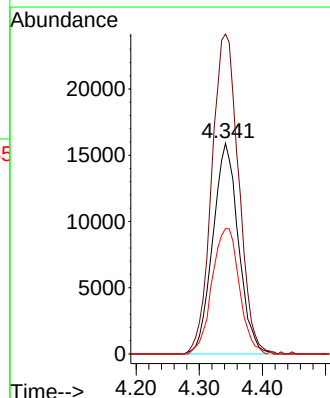
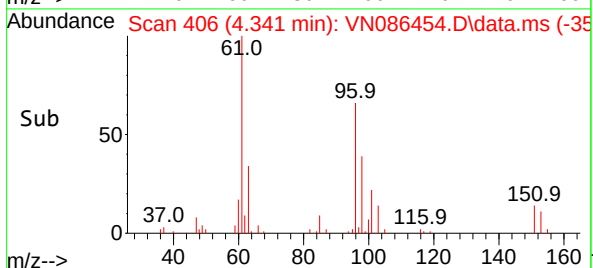
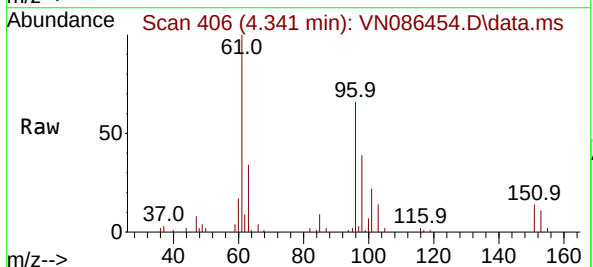
Tgt Ion: 96 Resp: 44754

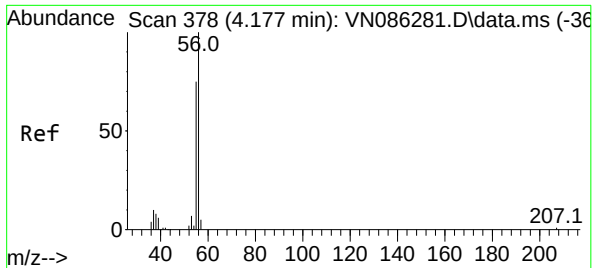
Ion Ratio Lower Upper

96 100

61 151.8 126.6 189.8

98 59.5 49.6 74.4





#13

Acrolein

Concen: 66.082 ug/l

RT: 4.183 min Scan# 378

Delta R.T. 0.006 min

Lab File: VN086454.D

Acq: 02 May 2025 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBS01

Tgt Ion: 56 Resp: 19530

Ion Ratio Lower Upper

56 100

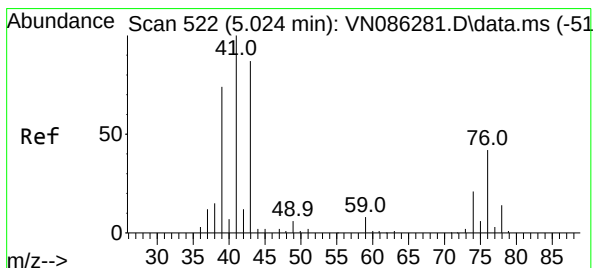
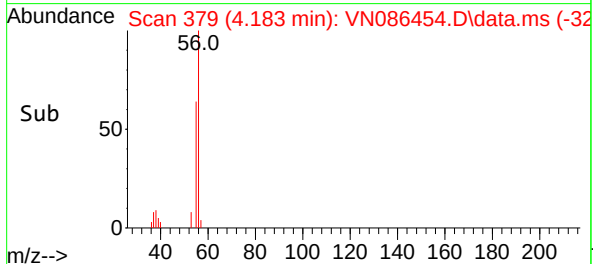
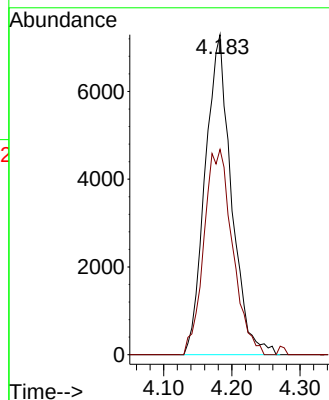
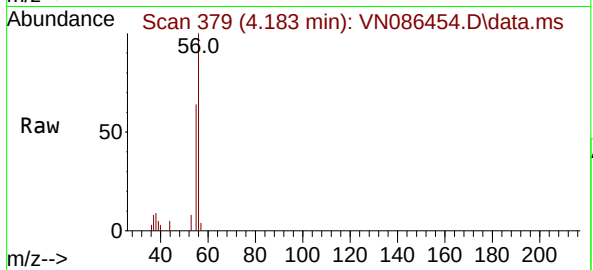
55 70.0 58.5 87.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#14

Allyl chloride

Concen: 17.376 ug/l

RT: 5.024 min Scan# 522

Delta R.T. -0.000 min

Lab File: VN086454.D

Acq: 02 May 2025 11:26

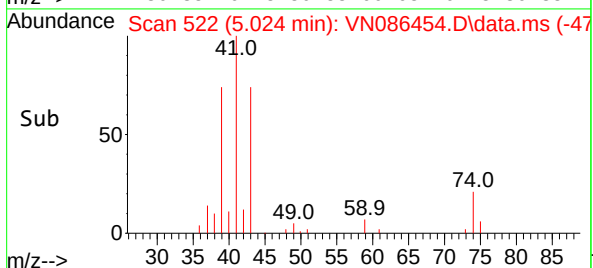
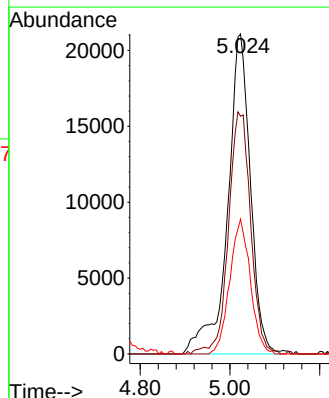
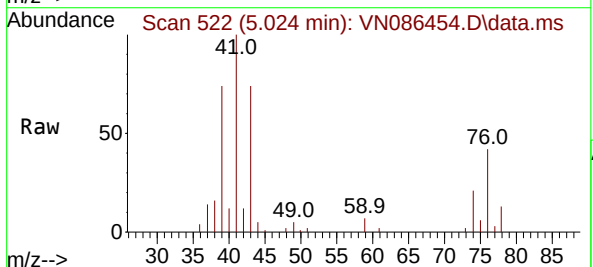
Tgt Ion: 41 Resp: 74566

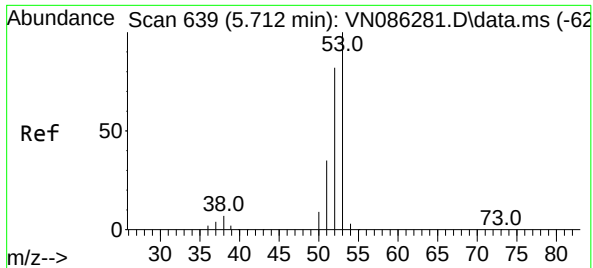
Ion Ratio Lower Upper

41 100

39 73.5 59.2 88.8

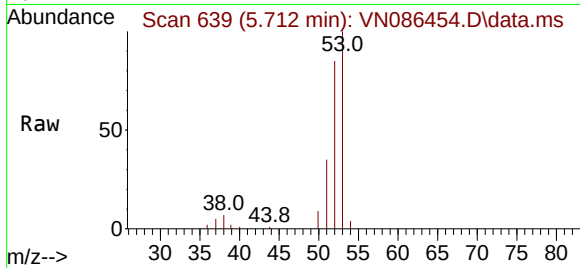
76 38.0 31.2 46.8





#15
Acrylonitrile
Concen: 86.380 ug/l
RT: 5.712 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

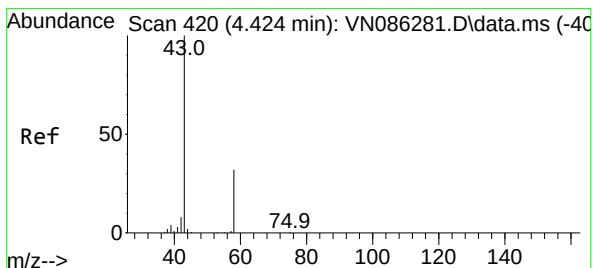
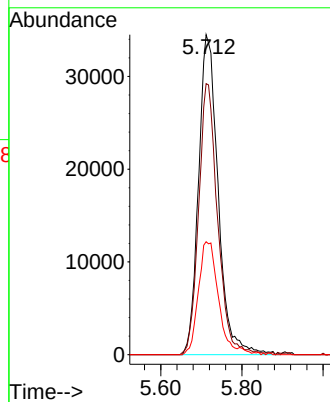
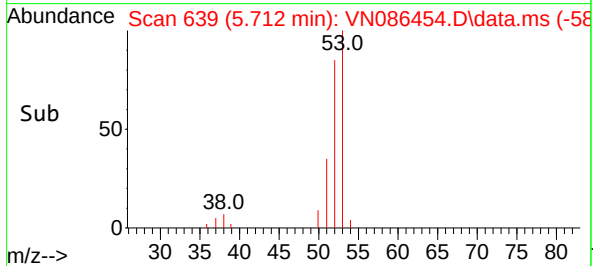
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01



Tgt Ion: 53 Resp: 115870
Ion Ratio Lower Upper
53 100
52 82.0 65.5 98.3
51 35.4 28.6 42.8

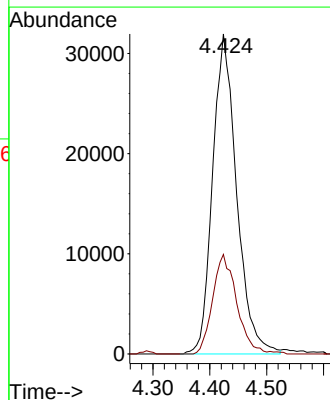
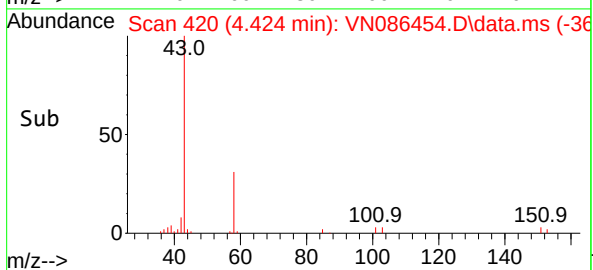
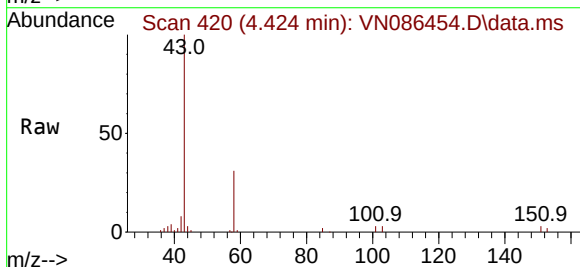
Manual Integrations
APPROVED

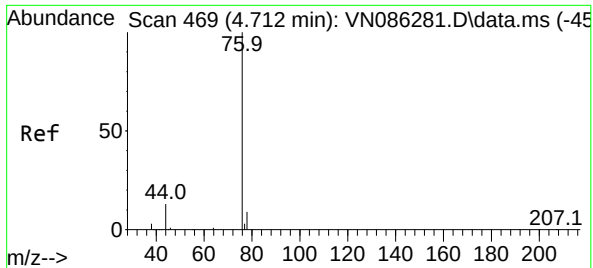
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#16
Acetone
Concen: 87.444 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

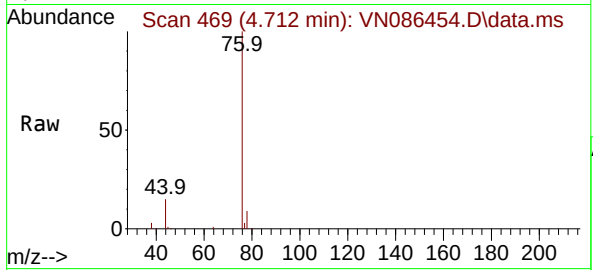
Tgt Ion: 43 Resp: 93733
Ion Ratio Lower Upper
43 100
58 31.1 25.3 37.9





#17
Carbon Disulfide
Concen: 17.036 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

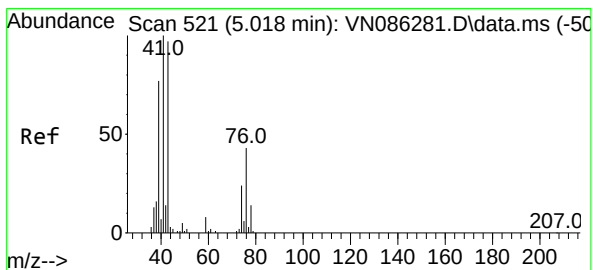
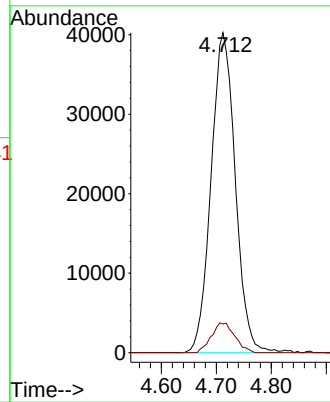
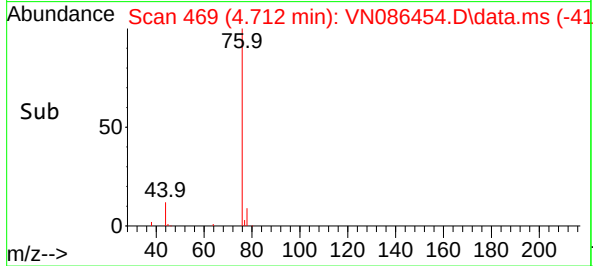
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01



Tgt Ion: 76 Resp: 123130
Ion Ratio Lower Upper
76 100
78 9.0 7.6 11.4

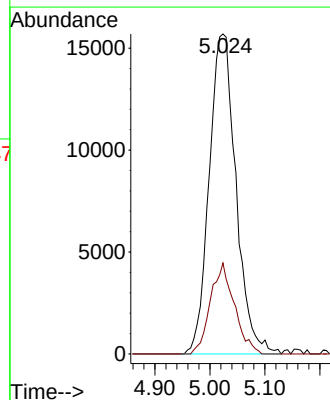
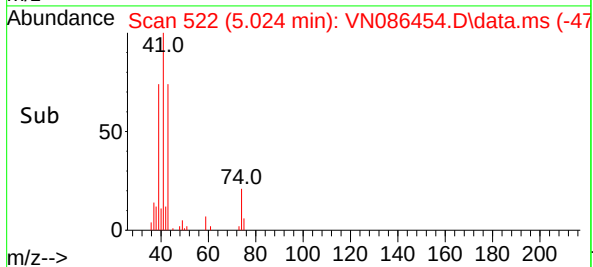
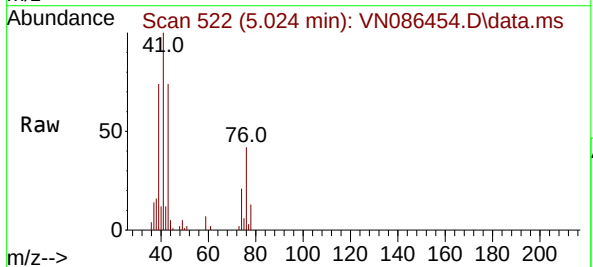
Manual Integrations
APPROVED

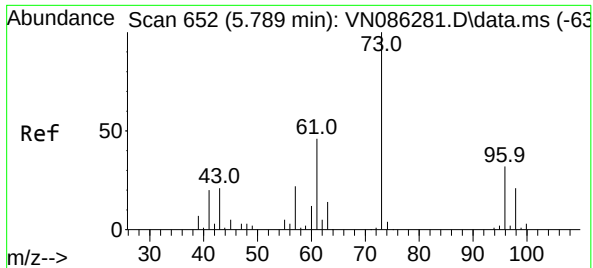
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#18
Methyl Acetate
Concen: 14.894 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

Tgt Ion: 43 Resp: 53174
Ion Ratio Lower Upper
43 100
74 25.4 19.8 29.6





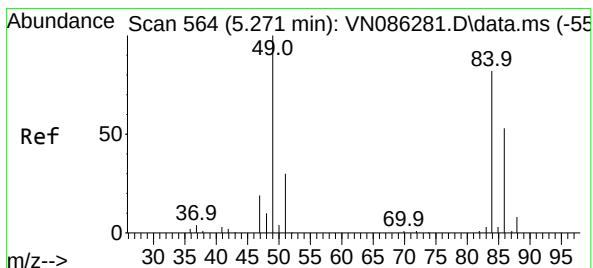
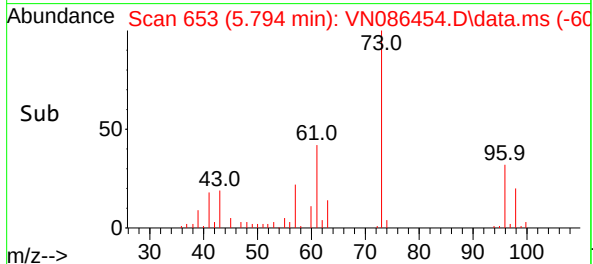
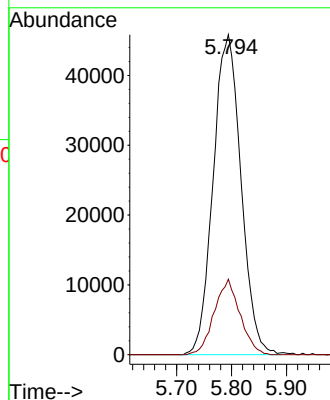
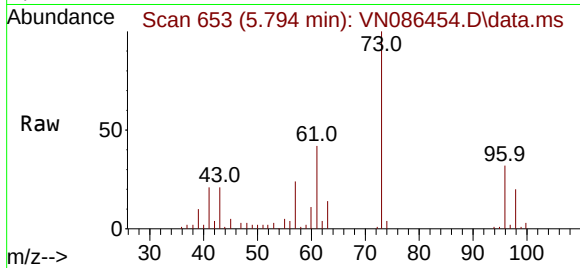
#19
Methyl tert-butyl Ether
Concen: 18.158 ug/l
RT: 5.794 min Scan# 611
Delta R.T. 0.006 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01

Tgt Ion: 73 Resp: 16113
Ion Ratio Lower Upper
73 100
57 23.6 17.6 26.4

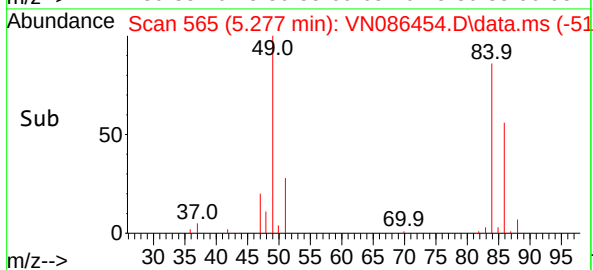
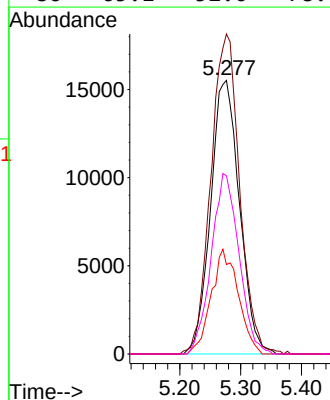
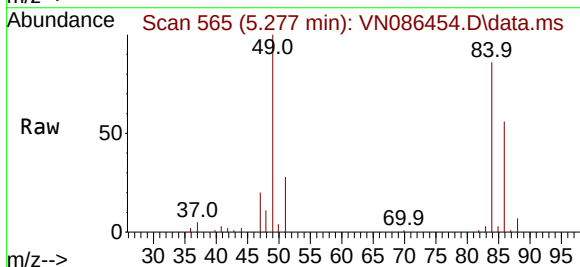
Manual Integrations
APPROVED

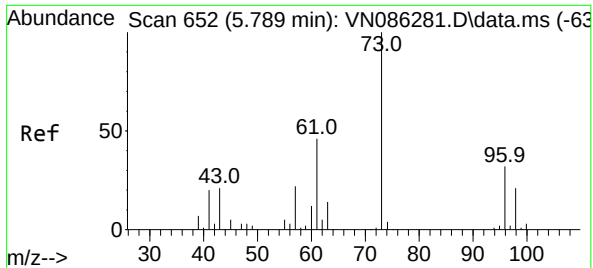
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#20
Methylene Chloride
Concen: 18.600 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

Tgt Ion: 84 Resp: 51140
Ion Ratio Lower Upper
84 100
49 116.9 98.2 147.2
51 32.7 29.8 44.6
86 65.1 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 18.799 ug/l

RT: 5.788 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN086454.D

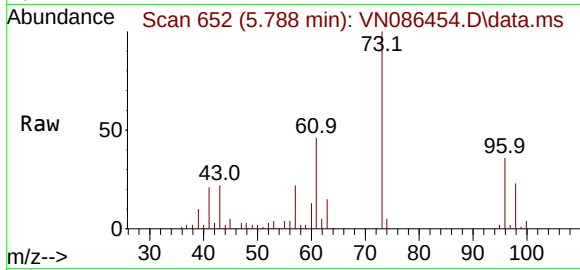
Acq: 02 May 2025 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBS01



Tgt Ion: 96 Resp: 4744

Ion Ratio Lower Upper

96 100

61 128.9 114.6 171.8

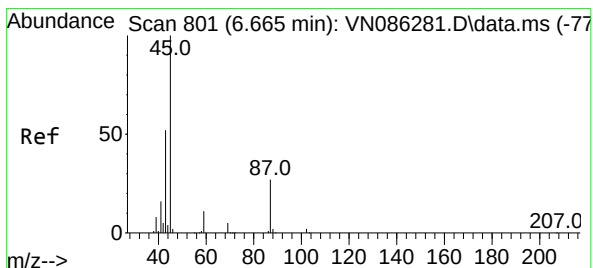
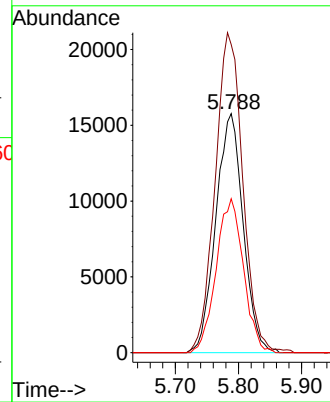
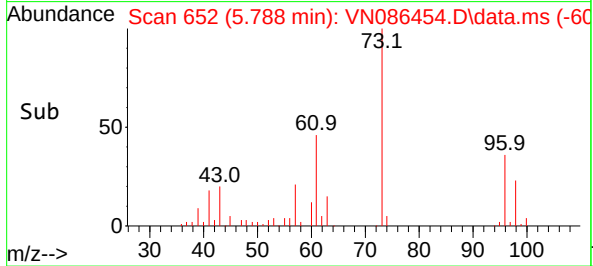
98 64.4 51.2 76.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#22

Diisopropyl ether

Concen: 17.302 ug/l

RT: 6.665 min Scan# 801

Delta R.T. -0.000 min

Lab File: VN086454.D

Acq: 02 May 2025 11:26

Tgt Ion: 45 Resp: 161515

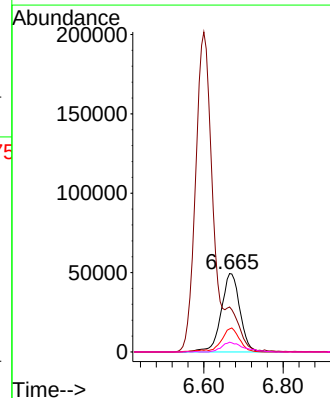
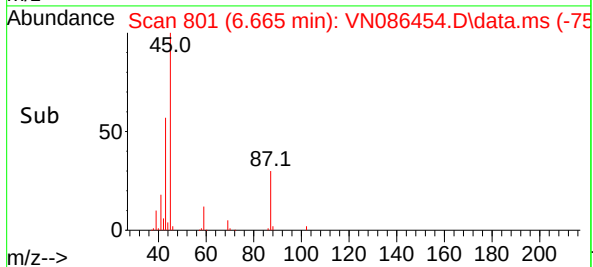
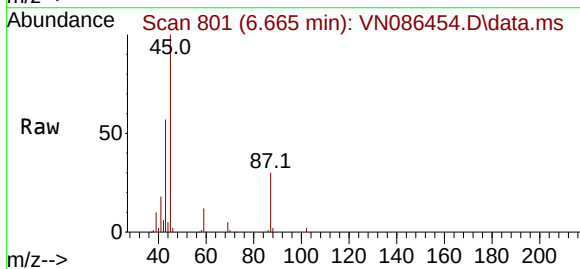
Ion Ratio Lower Upper

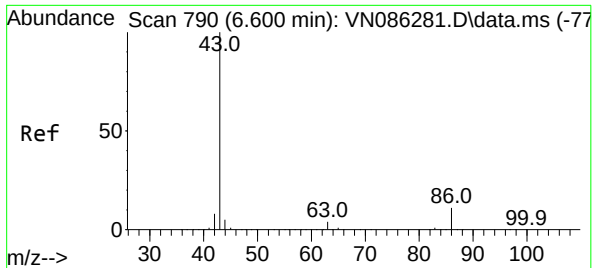
45 100

43 56.6 41.8 62.8

87 29.5 21.6 32.4

59 12.4 9.0 13.4





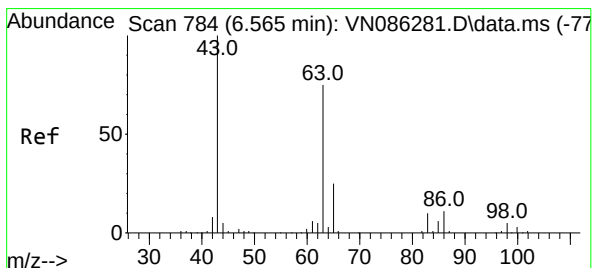
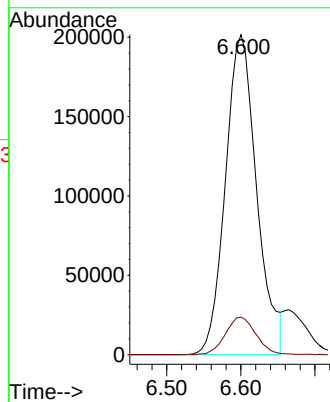
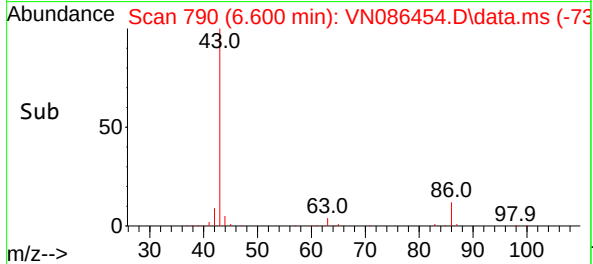
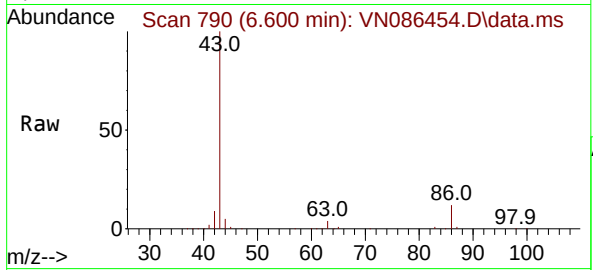
#23
Vinyl Acetate
Concen: 90.489 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01

Tgt Ion: 43 Resp: 59051
Ion Ratio Lower Upper
43 100
86 11.8 8.6 13.0

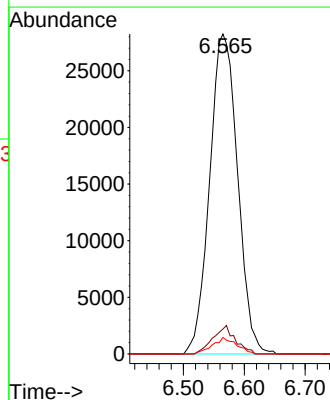
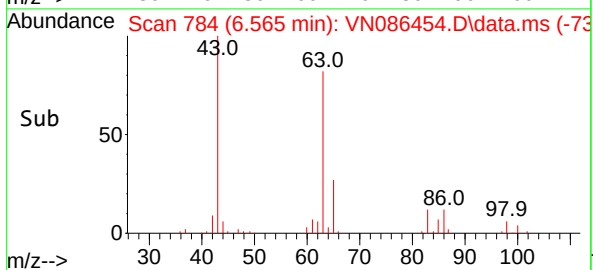
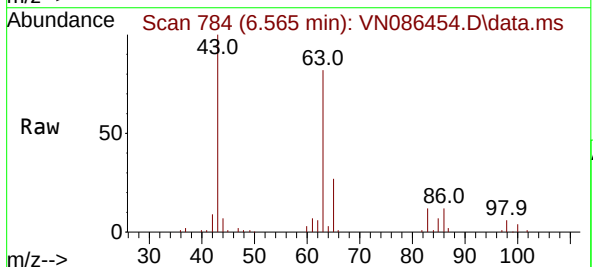
Manual Integrations
APPROVED

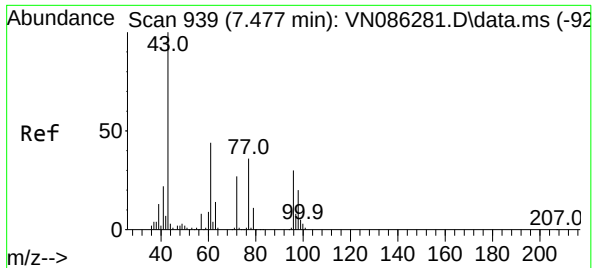
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#24
1,1-Dichloroethane
Concen: 18.302 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

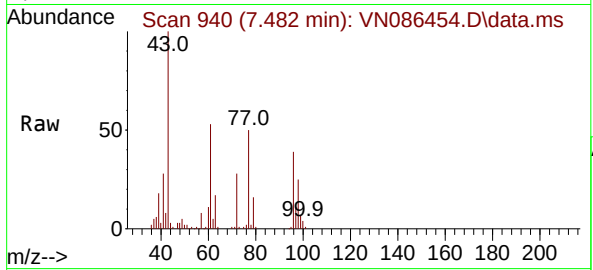
Tgt Ion: 63 Resp: 90149
Ion Ratio Lower Upper
63 100
98 7.8 3.4 10.2
100 5.1 2.1 6.5





#25
2-Butanone
Concen: 83.762 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

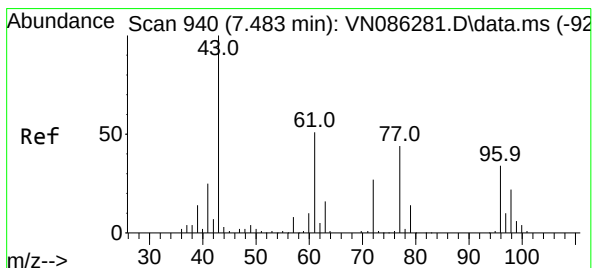
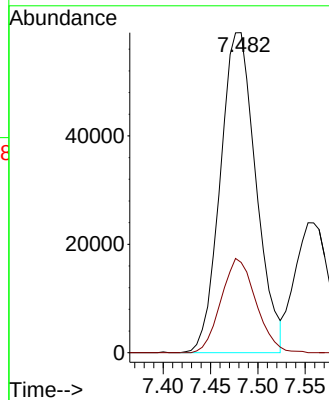
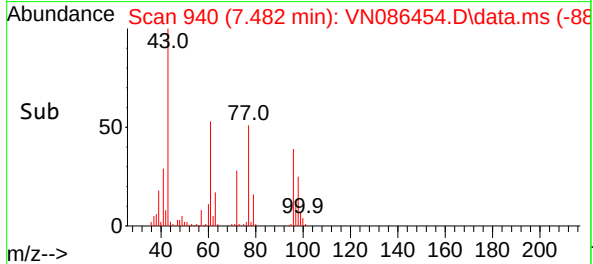
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01



Tgt Ion: 43 Resp: 15506
Ion Ratio Lower Upper
43 100
72 28.2 21.7 32.5

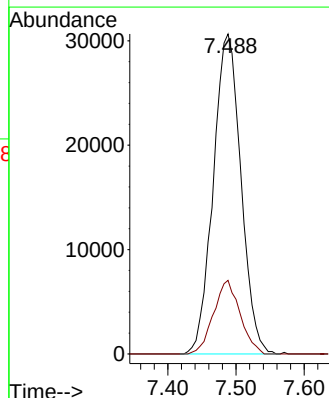
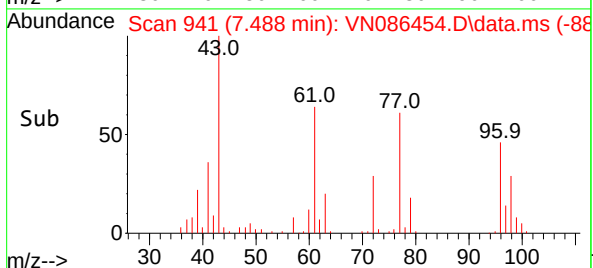
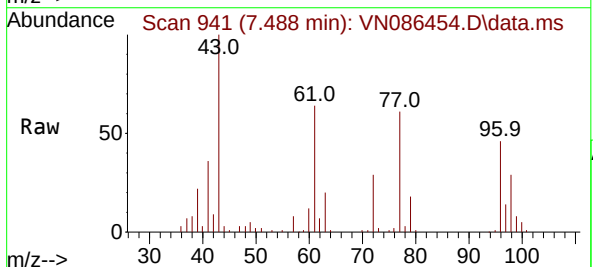
Manual Integrations
APPROVED

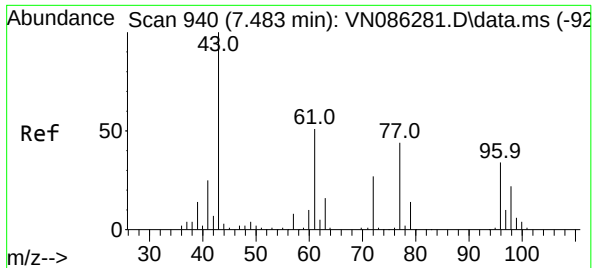
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#26
2,2-Dichloropropane
Concen: 19.640 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

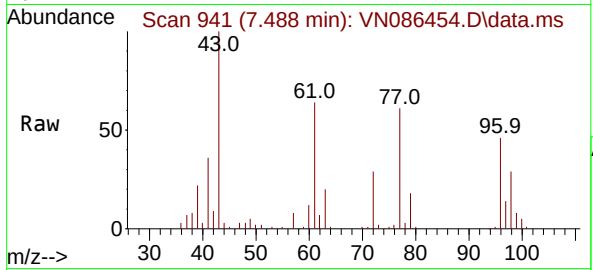
Tgt Ion: 77 Resp: 86618
Ion Ratio Lower Upper
77 100
97 22.0 11.2 33.5





#27
cis-1,2-Dichloroethene
Concen: 19.241 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

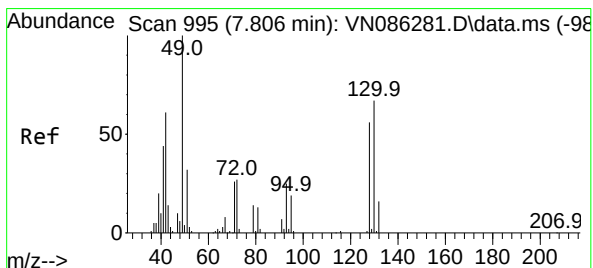
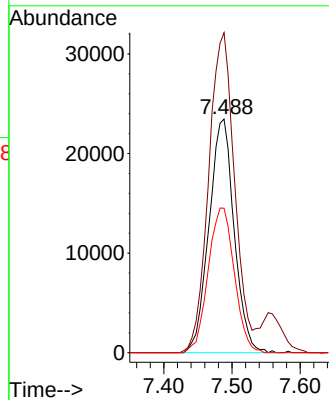
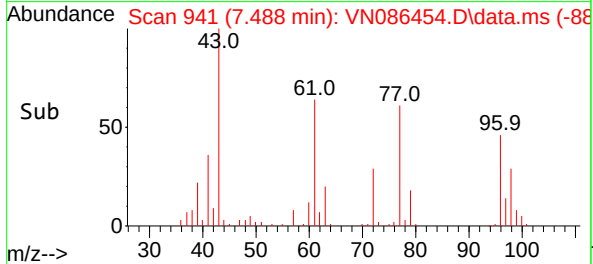
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01



Tgt Ion: 96 Resp: 6027
Ion Ratio Lower Upper
96 100
61 141.9 0.0 299.0
98 64.5 0.0 129.6

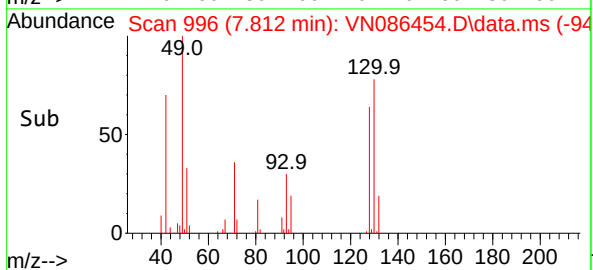
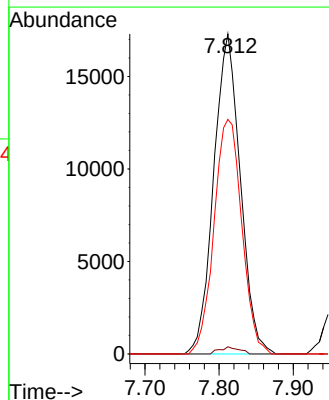
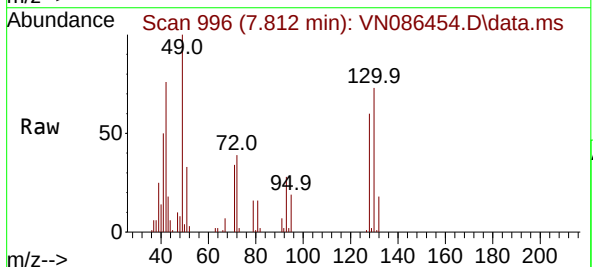
Manual Integrations
APPROVED

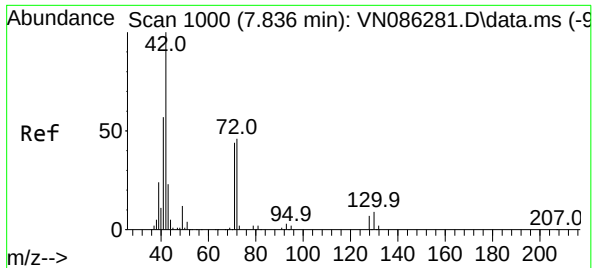
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#28
Bromochloromethane
Concen: 20.653 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

Tgt Ion: 49 Resp: 43134
Ion Ratio Lower Upper
49 100
129 1.6 0.0 3.4
130 76.5 57.1 85.7





#29

Tetrahydrofuran

Concen: 81.105 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN086454.D

Acq: 02 May 2025 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBS01

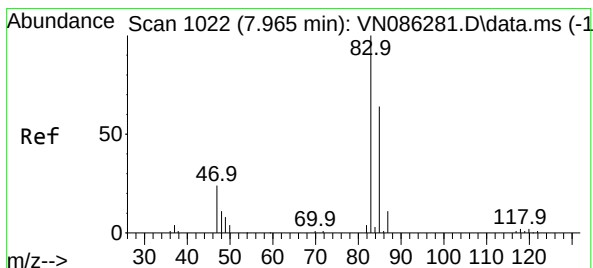
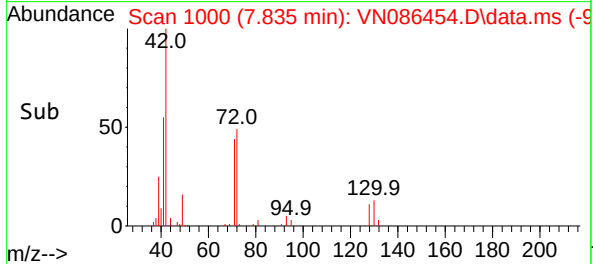
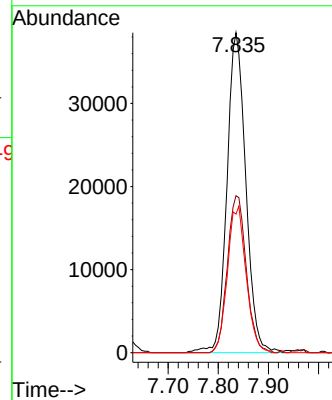
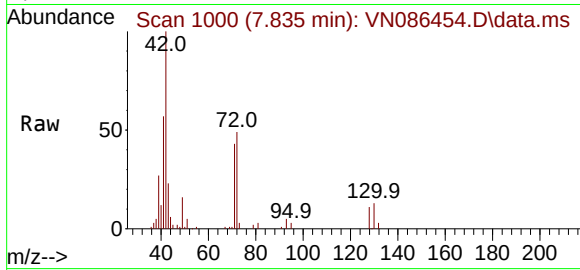
Tgt Ion:	42	Resp:	10040
Ion Ratio	Lower	Upper	
42	100		
72	49.3	36.2	54.4
71	45.4	34.0	51.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#30

Chloroform

Concen: 19.415 ug/l

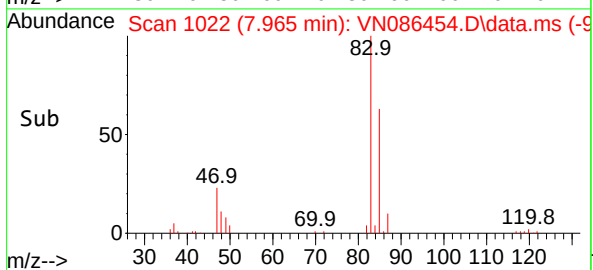
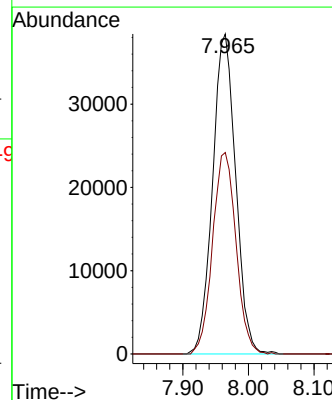
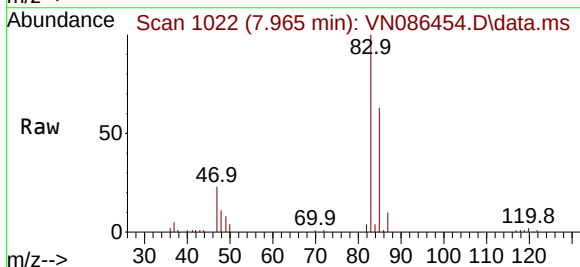
RT: 7.965 min Scan# 1022

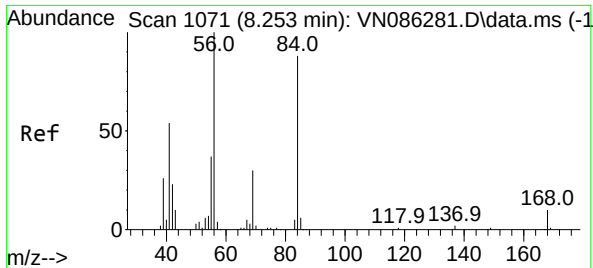
Delta R.T. -0.000 min

Lab File: VN086454.D

Acq: 02 May 2025 11:26

Tgt Ion:	83	Resp:	93940
Ion Ratio	Lower	Upper	
83	100		
85	62.9	51.5	77.3





#31

Cyclohexane

Concen: 17.994 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN086454.D

Acq: 02 May 2025 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBS01

Tgt Ion: 56 Resp: 8673

Ion Ratio Lower Upper

56 100

69 31.2 24.2 36.2

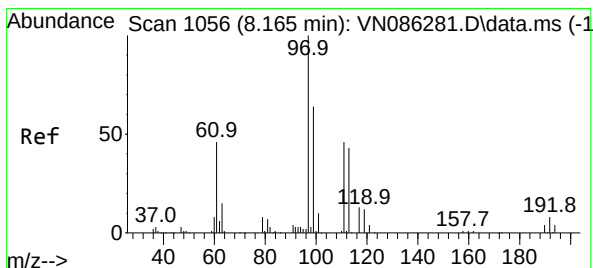
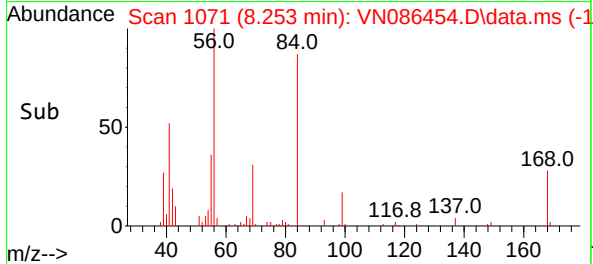
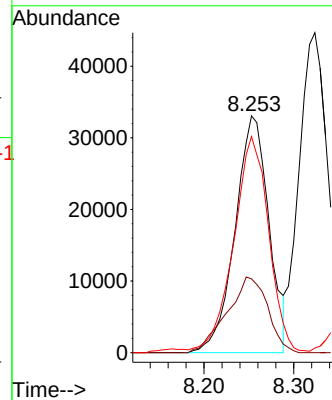
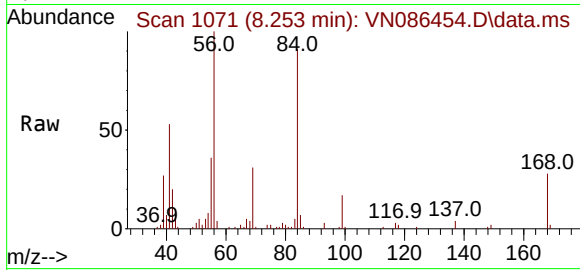
84 89.9 70.3 105.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#32

1,1,1-Trichloroethane

Concen: 19.927 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086454.D

Acq: 02 May 2025 11:26

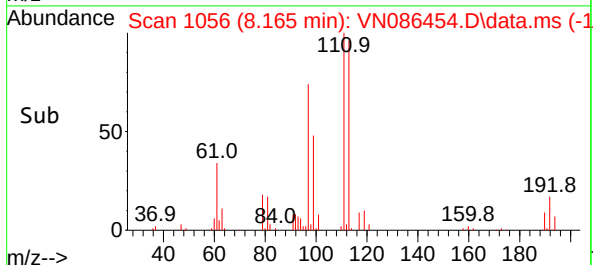
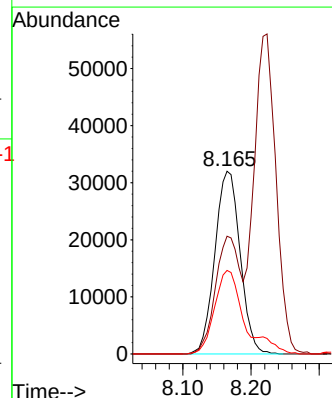
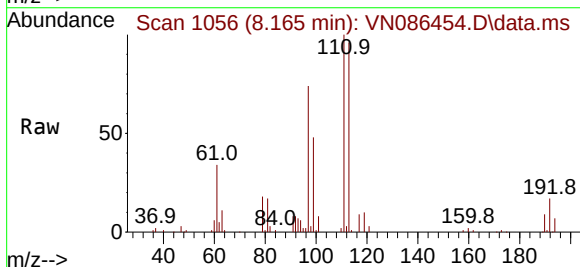
Tgt Ion: 97 Resp: 82484

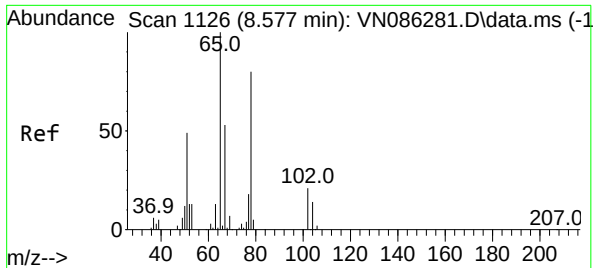
Ion Ratio Lower Upper

97 100

99 62.8 52.7 79.1

61 47.3 39.5 59.3





#33

1,2-Dichloroethane-d4

Concen: 51.776 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086454.D

Acq: 02 May 2025 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBS01

Tgt Ion: 65 Resp: 15398

Ion Ratio Lower Upper

65 100

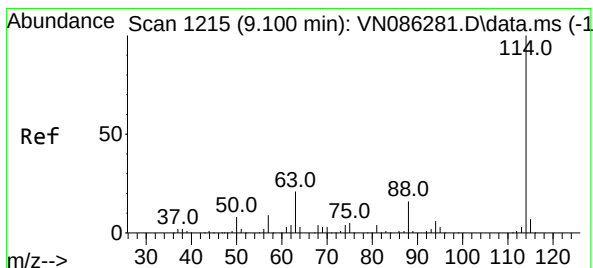
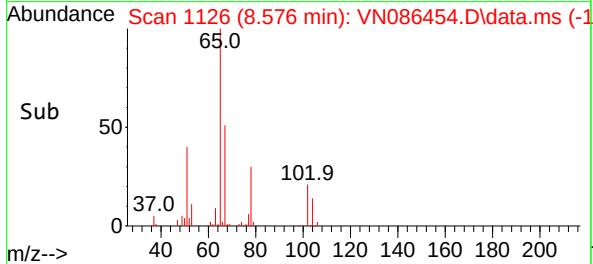
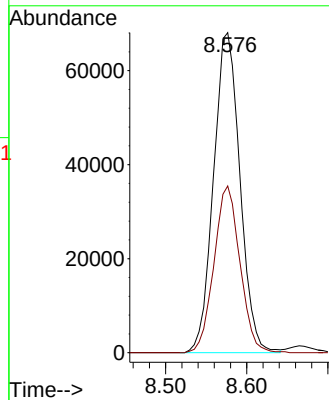
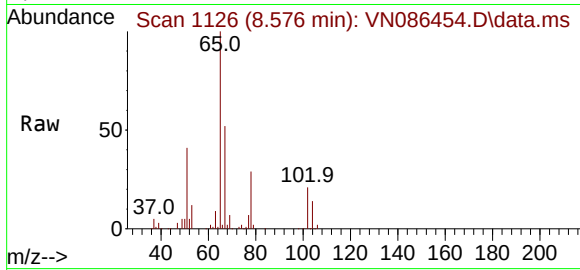
67 51.2 0.0 106.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086454.D

Acq: 02 May 2025 11:26

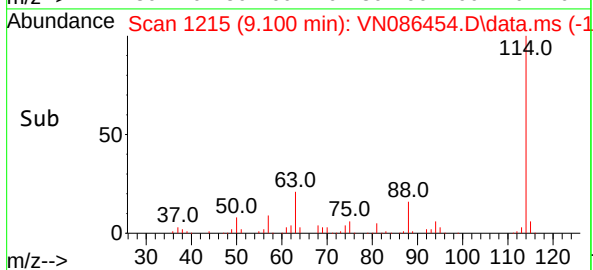
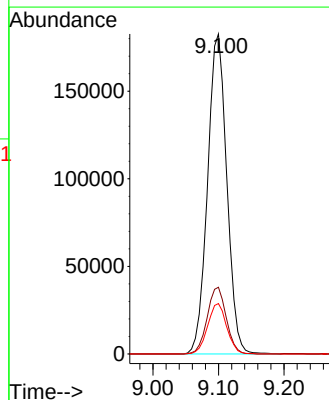
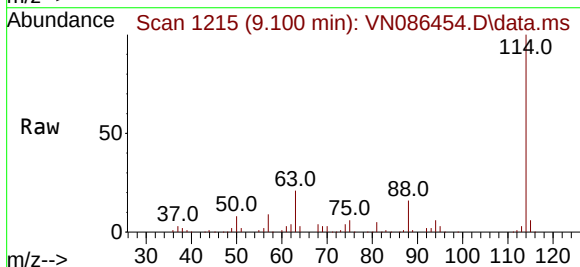
Tgt Ion:114 Resp: 372276

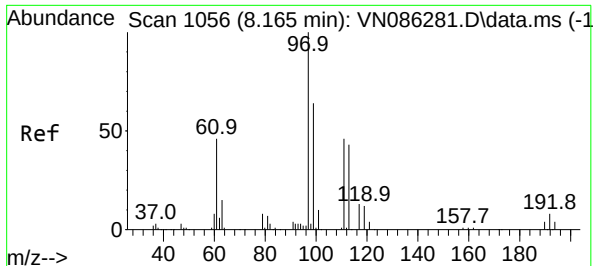
Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.6

88 15.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 57.521 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086454.D

Acq: 02 May 2025 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBS01

Tgt Ion:113 Resp: 9938

Ion Ratio Lower Upper

113 100

111 102.3 83.4 125.0

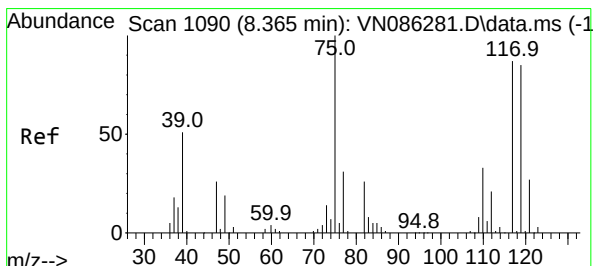
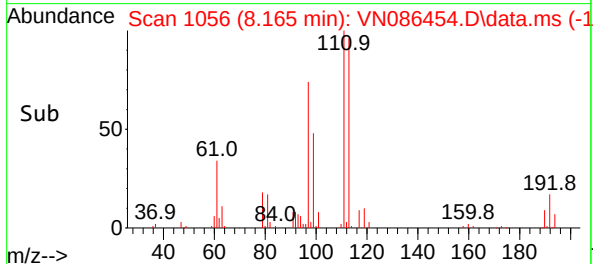
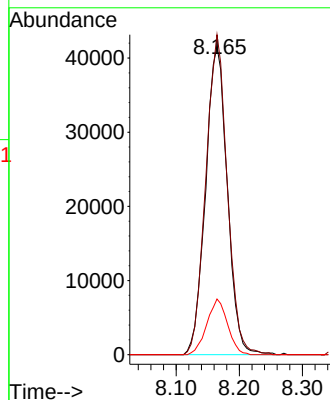
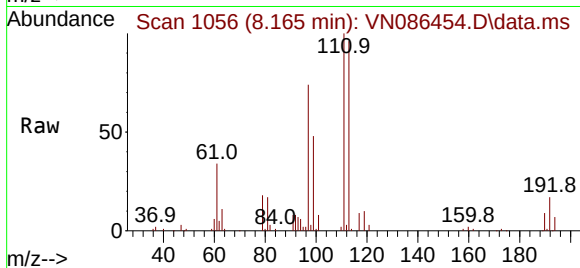
192 17.2 13.7 20.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#36

1,1-Dichloropropene

Concen: 19.576 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN086454.D

Acq: 02 May 2025 11:26

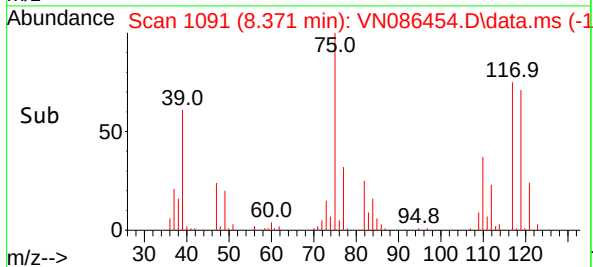
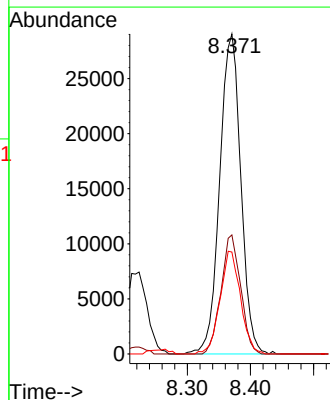
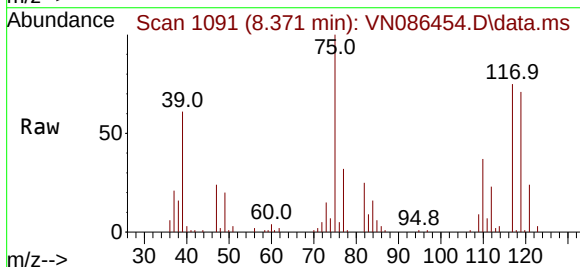
Tgt Ion: 75 Resp: 67556

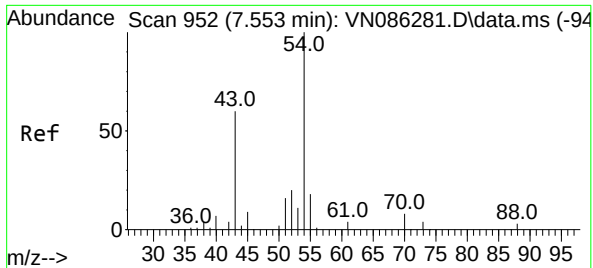
Ion Ratio Lower Upper

75 100

110 34.6 16.8 50.4

77 31.1 24.9 37.3





#37

Ethyl Acetate

Concen: 17.195 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN086454.D

Acq: 02 May 2025 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBS01

Tgt Ion: 43 Resp: 6247

Ion Ratio Lower Upper

43 100

61 13.6 11.1 16.7

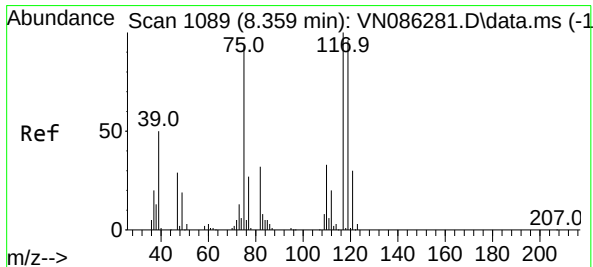
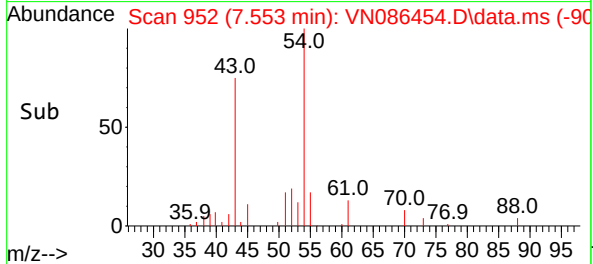
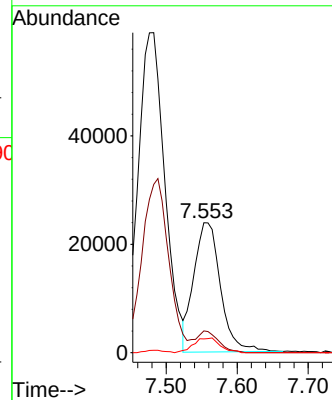
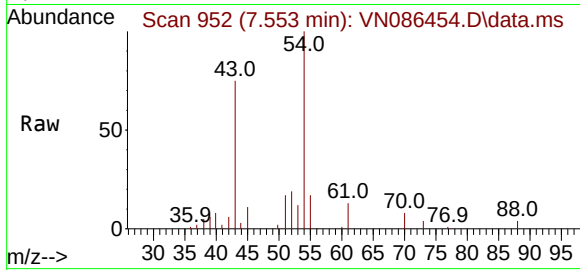
70 11.2 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#38

Carbon Tetrachloride

Concen: 20.471 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN086454.D

Acq: 02 May 2025 11:26

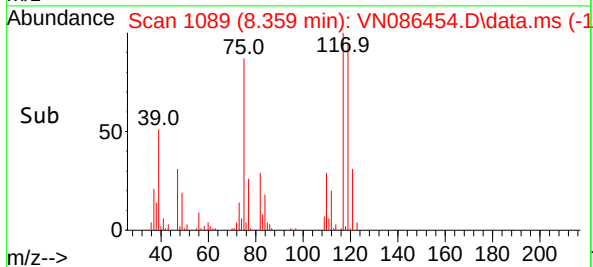
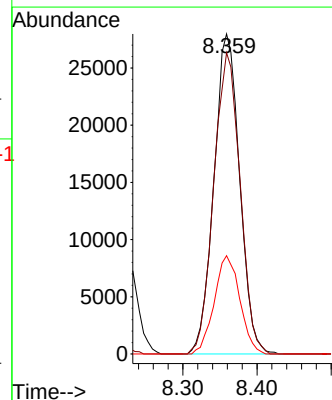
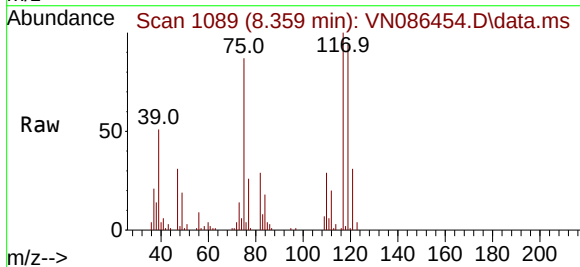
Tgt Ion:117 Resp: 67275

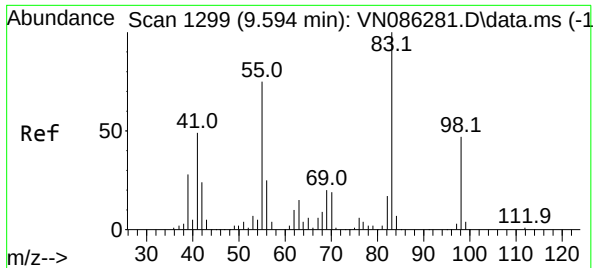
Ion Ratio Lower Upper

117 100

119 94.2 76.8 115.2

121 30.7 23.8 35.8





#39

Methylcyclohexane

Concen: 19.614 ug/l

RT: 9.594 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN086454.D

Acq: 02 May 2025 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBS01

Tgt Ion: 83 Resp: 80452

Ion Ratio Lower Upper

83 100

55 70.7 59.8 89.8

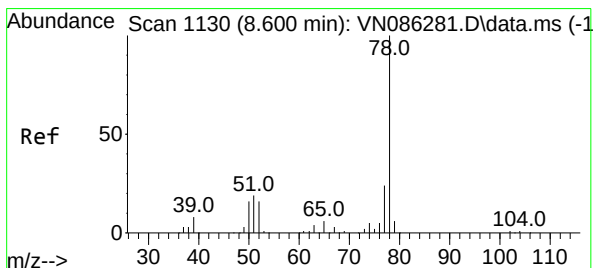
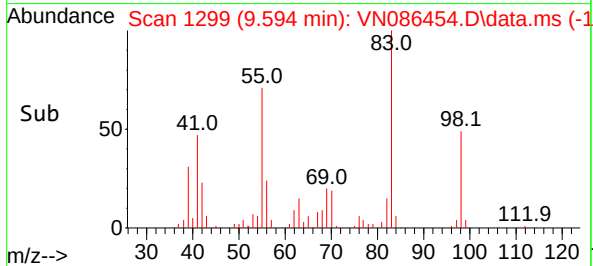
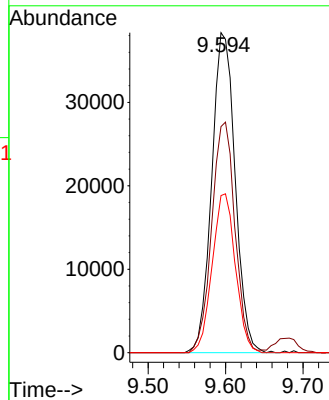
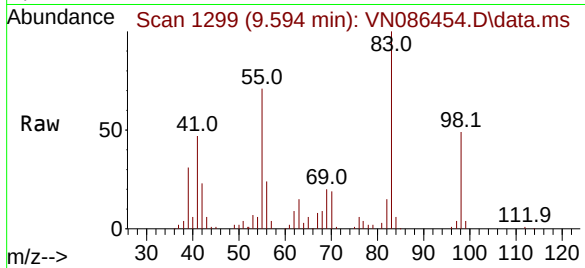
98 49.1 37.9 56.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#40

Benzene

Concen: 19.557 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN086454.D

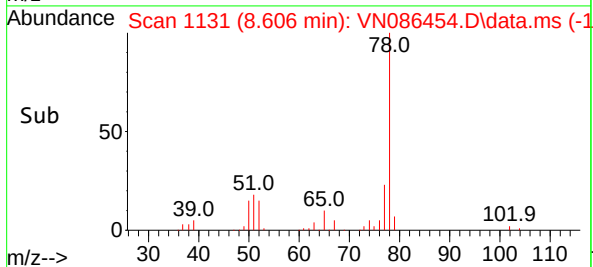
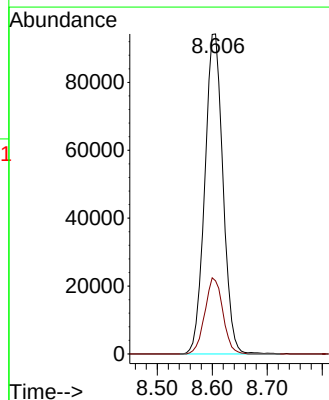
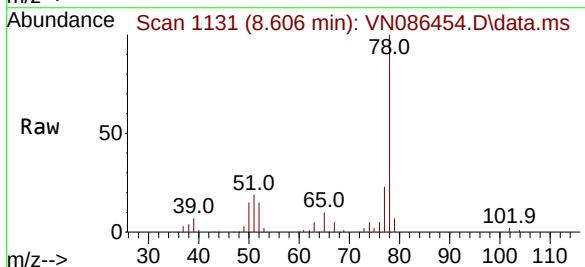
Acq: 02 May 2025 11:26

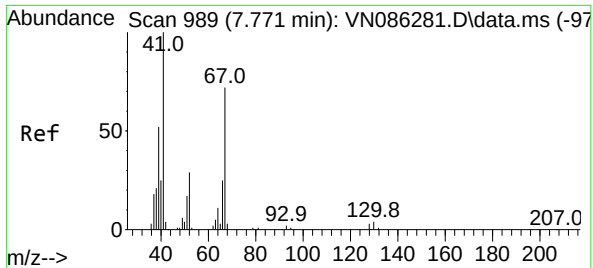
Tgt Ion: 78 Resp: 216239

Ion Ratio Lower Upper

78 100

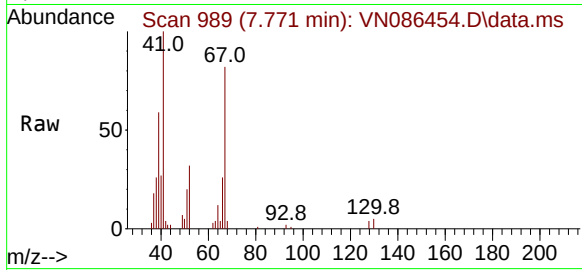
77 22.9 19.4 29.2





#41
Methacrylonitrile
Concen: 17.364 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

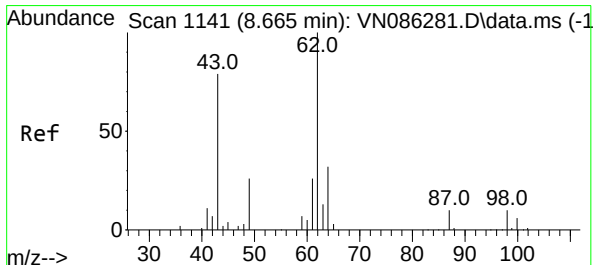
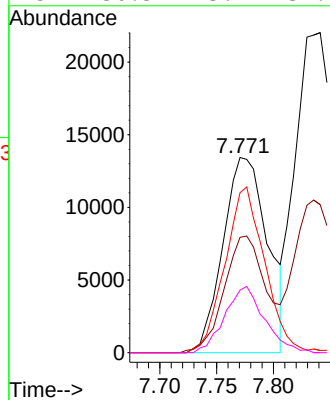
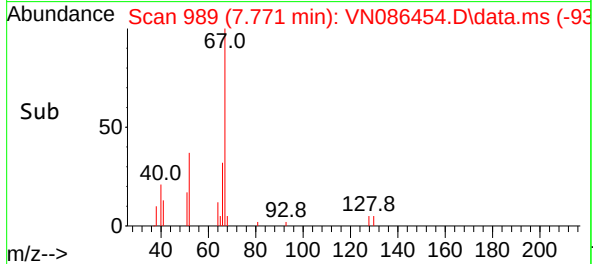
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01



Tgt Ion: 41 Resp: 3656
Ion Ratio Lower Upper
41 100
39 56.6 43.0 64.4
67 76.1 58.8 88.2
52 30.3 23.2 34.8

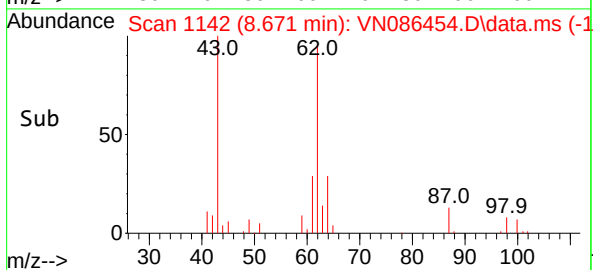
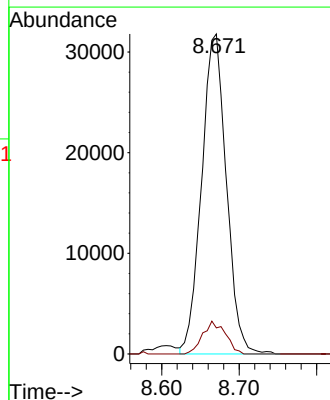
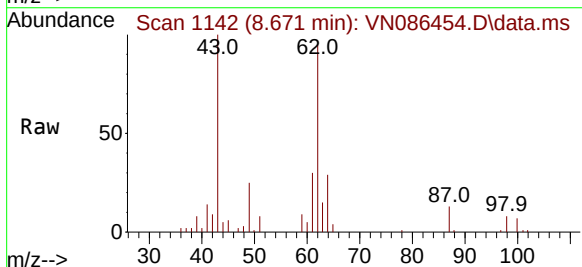
Manual Integrations
APPROVED

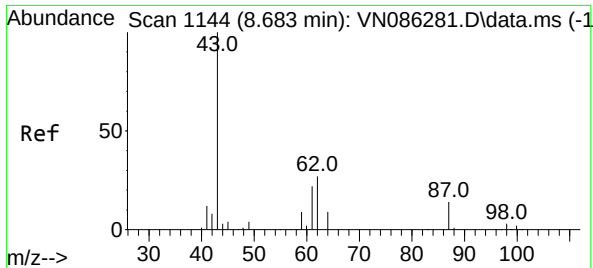
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#42
1,2-Dichloroethane
Concen: 20.024 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

Tgt Ion: 62 Resp: 70604
Ion Ratio Lower Upper
62 100
98 9.4 0.0 19.2





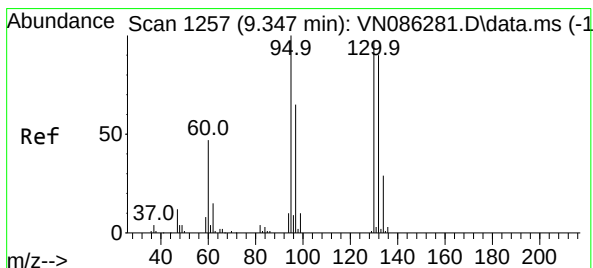
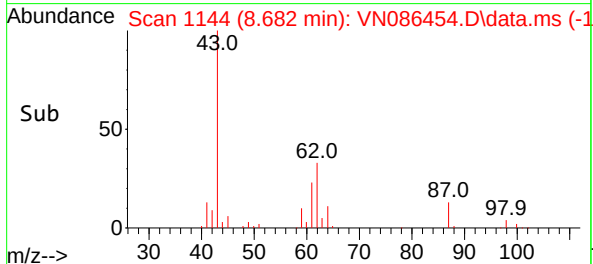
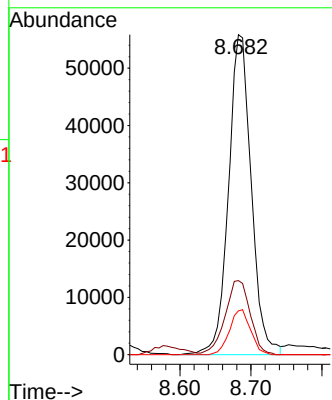
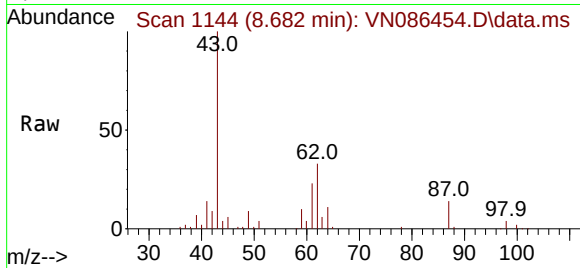
#43
Isopropyl Acetate
Concen: 17.614 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.001 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01

Tgt Ion: 43 Resp: 124400
Ion Ratio Lower Upper
43 100
61 25.5 20.5 30.7
87 13.0 10.5 15.7

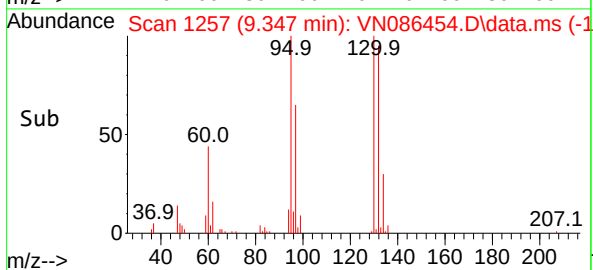
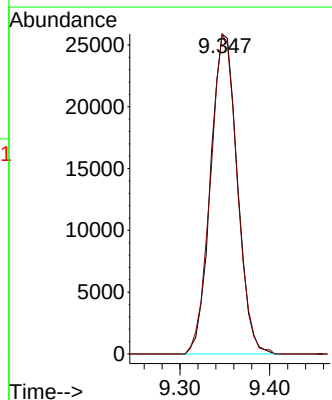
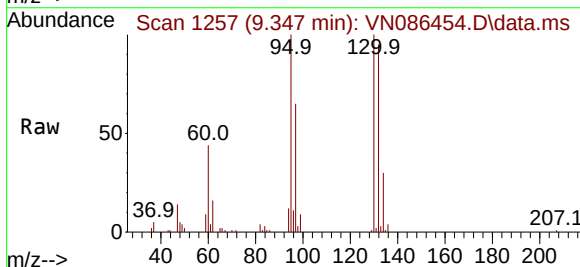
Manual Integrations
APPROVED

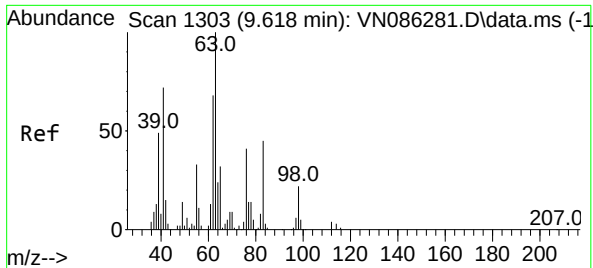
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#44
Trichloroethene
Concen: 20.390 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

Tgt Ion:130 Resp: 53436
Ion Ratio Lower Upper
130 100
95 99.9 0.0 207.2





#45

1,2-Dichloropropane

Concen: 19.418 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086454.D

Acq: 02 May 2025 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBS01

Tgt Ion: 63 Resp: 5255

Ion Ratio Lower Upper

63 100

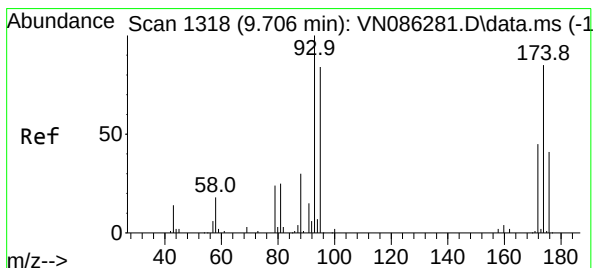
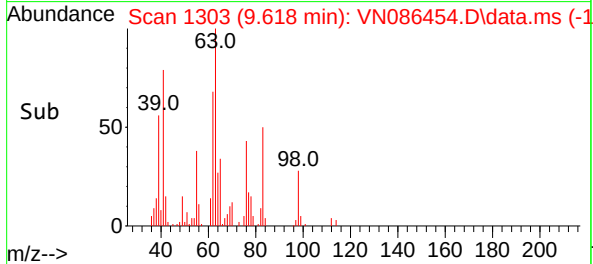
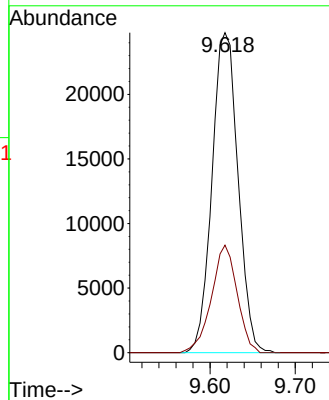
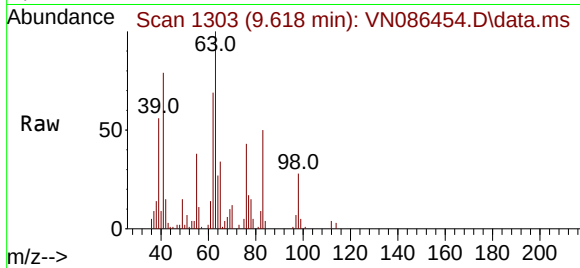
65 33.6 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#46

Dibromomethane

Concen: 20.860 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086454.D

Acq: 02 May 2025 11:26

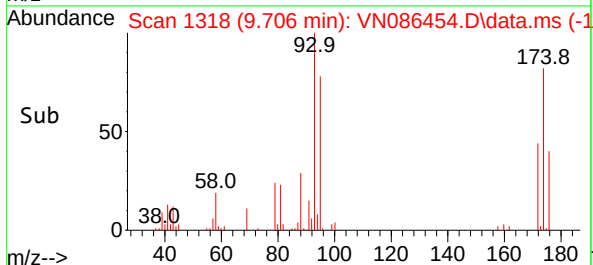
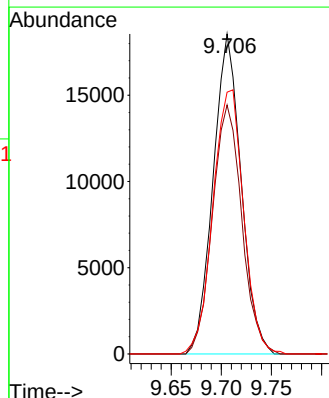
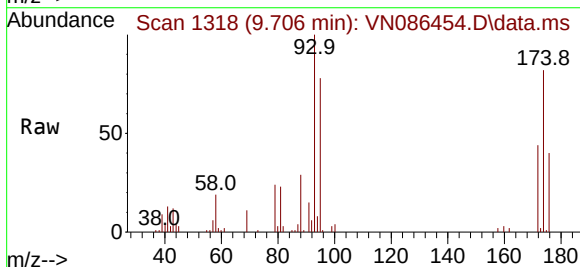
Tgt Ion: 93 Resp: 35972

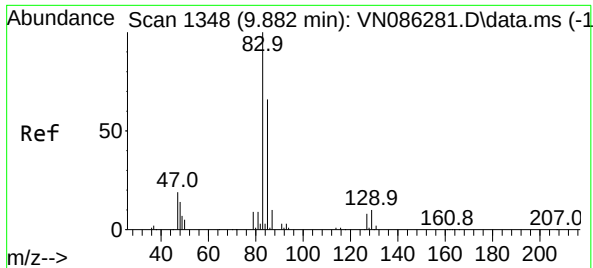
Ion Ratio Lower Upper

93 100

95 81.5 66.2 99.4

174 90.3 67.8 101.6





#47

Bromodichloromethane

Concen: 20.277 ug/l

RT: 9.882 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VN086454.D

Acq: 02 May 2025 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBS01

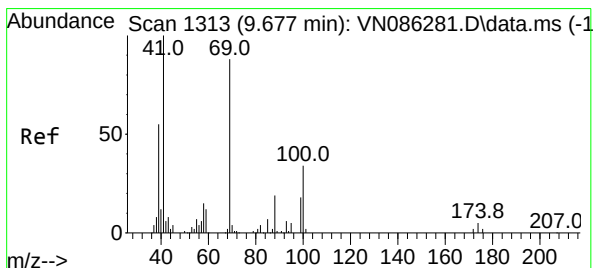
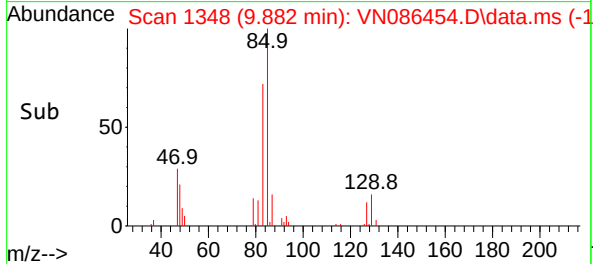
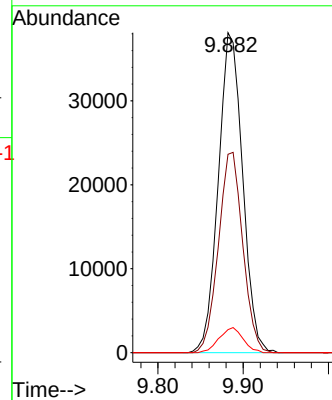
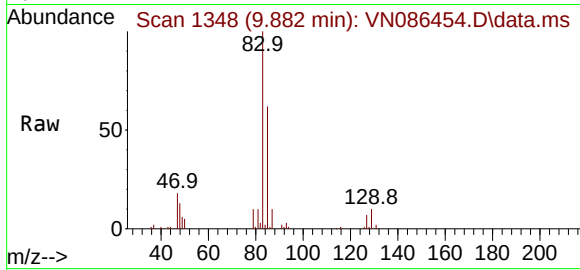
Tgt Ion:	83	Resp:	7552
Ion	Ratio	Lower	Upper
83	100		
85	62.0	52.6	78.8
127	7.2	6.1	9.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#48

Methyl methacrylate

Concen: 17.336 ug/l

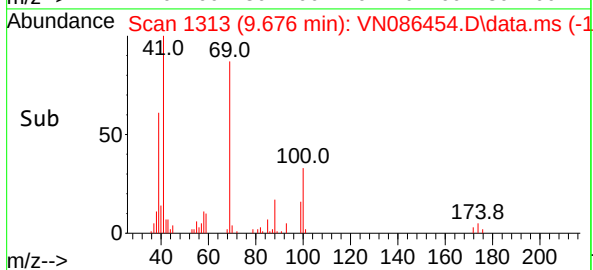
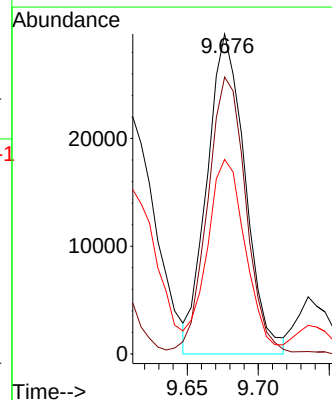
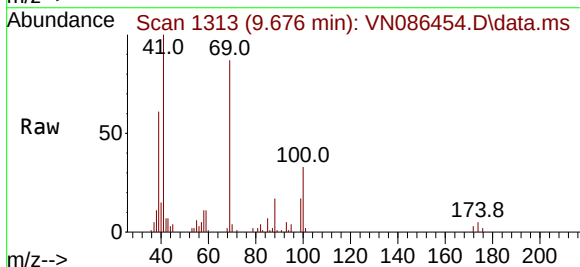
RT: 9.676 min Scan# 1313

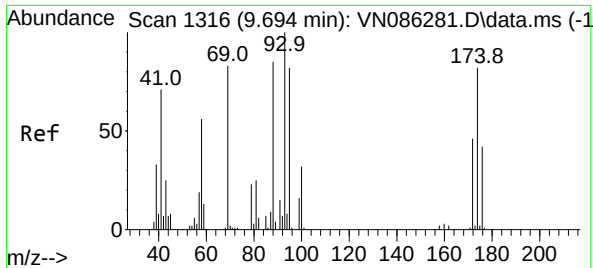
Delta R.T. -0.000 min

Lab File: VN086454.D

Acq: 02 May 2025 11:26

Tgt Ion:	41	Resp:	55312
Ion	Ratio	Lower	Upper
41	100		
69	85.9	68.2	102.2
39	61.9	45.2	67.8





#49

1,4-Dioxane

Concen: 351.057 ug/l

RT: 9.694 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086454.D

Acq: 02 May 2025 11:26

Instrument :

MSVOA_N

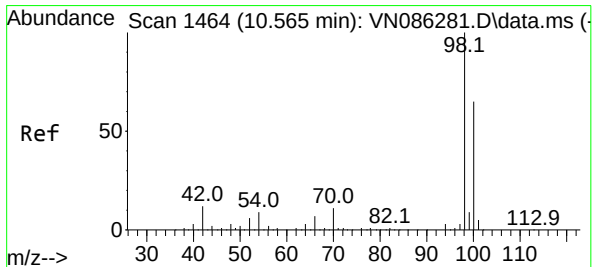
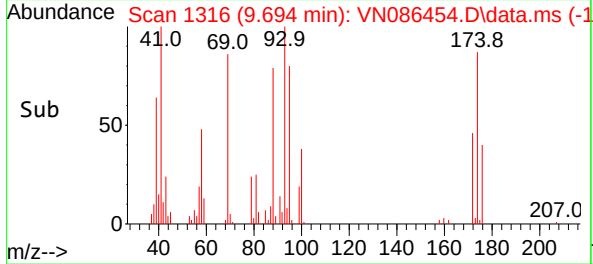
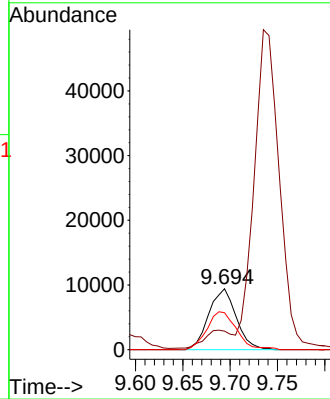
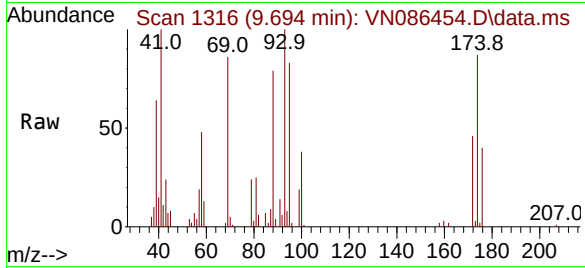
ClientSampleId :

VN0502WBS01

Tgt Ion:	88	Resp:	1905
Ion	Ratio	Lower	Upper
88	100		
43	32.3	23.8	35.8
58	67.0	57.4	86.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#50

Toluene-d8

Concen: 52.443 ug/l

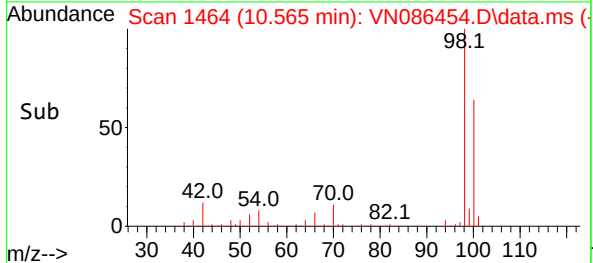
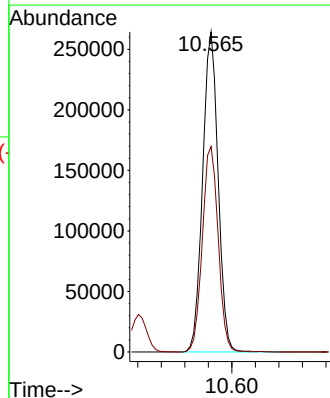
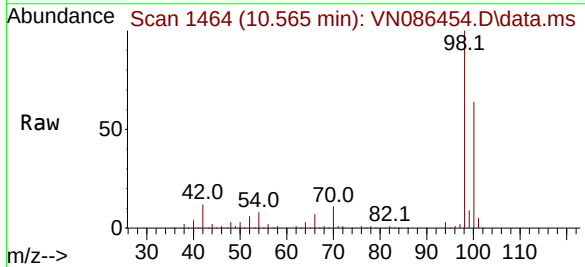
RT: 10.565 min Scan# 1464

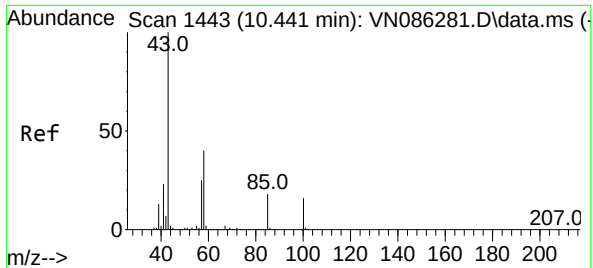
Delta R.T. -0.000 min

Lab File: VN086454.D

Acq: 02 May 2025 11:26

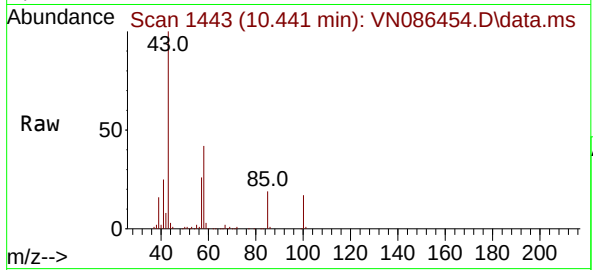
Tgt Ion:	98	Resp:	484267
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.5	78.7





#51
4-Methyl-2-Pentanone
Concen: 88.980 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

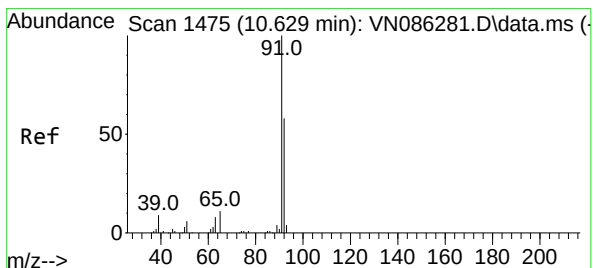
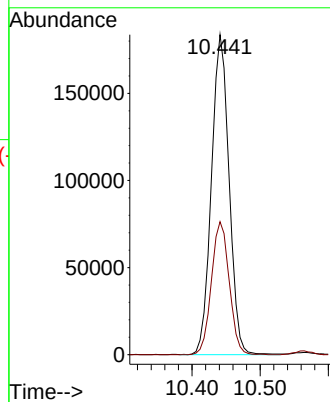
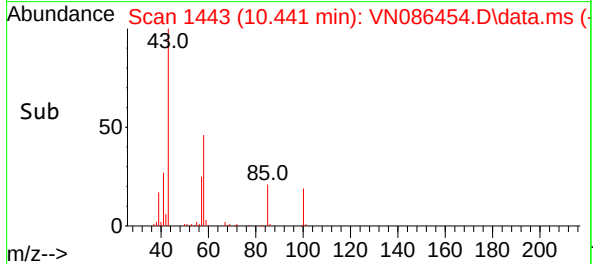
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01



Tgt Ion: 43 Resp: 331039
Ion Ratio Lower Upper
43 100
58 41.9 32.2 48.4

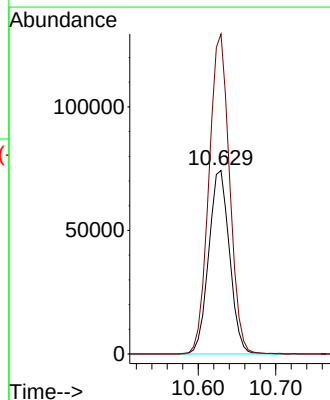
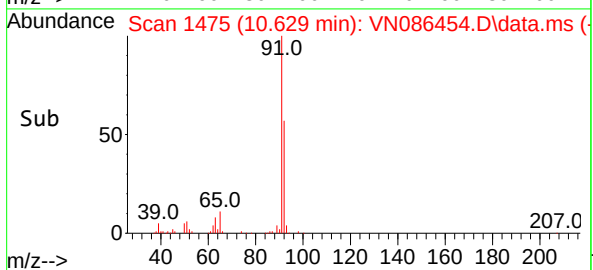
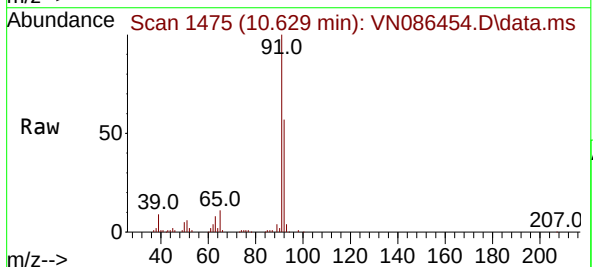
Manual Integrations
APPROVED

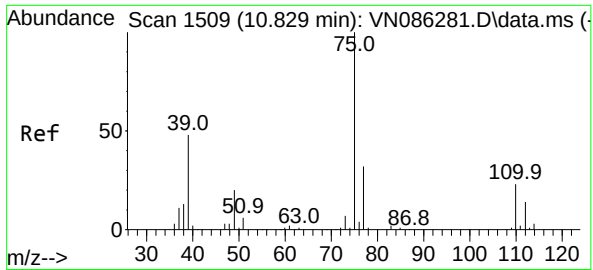
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#52
Toluene
Concen: 20.052 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

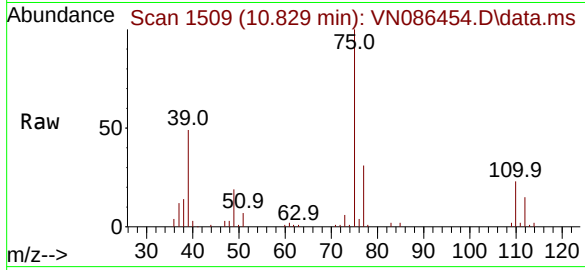
Tgt Ion: 92 Resp: 138339
Ion Ratio Lower Upper
92 100
91 173.3 137.3 205.9





#53
t-1,3-Dichloropropene
Concen: 19.783 ug/l
RT: 10.829 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

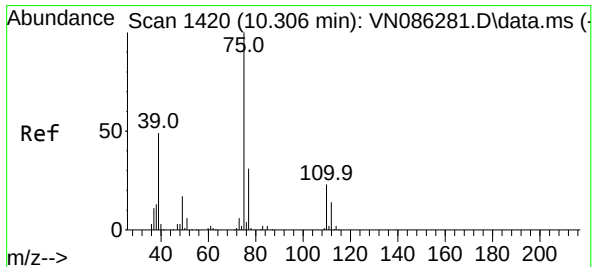
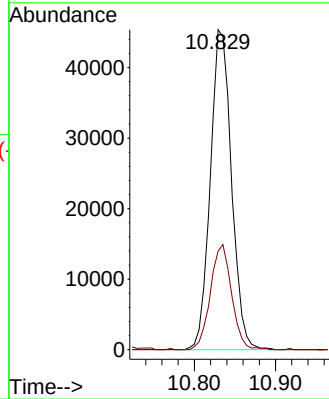
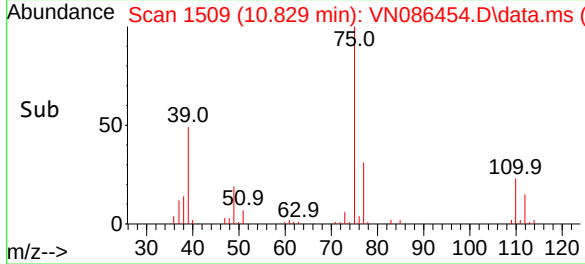
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01



Tgt Ion: 75 Resp: 82248
Ion Ratio Lower Upper
75 100
77 30.8 25.4 38.0

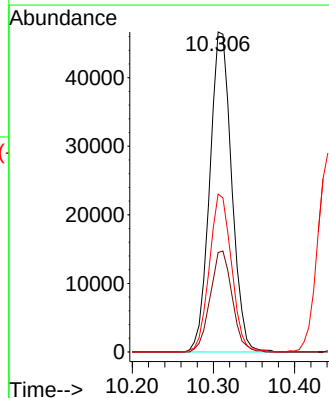
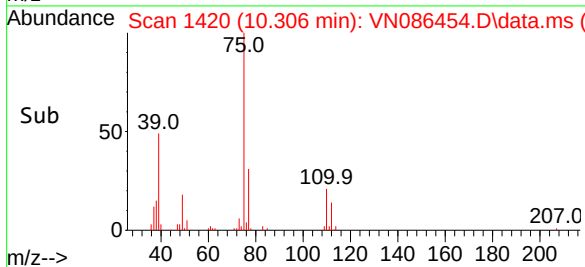
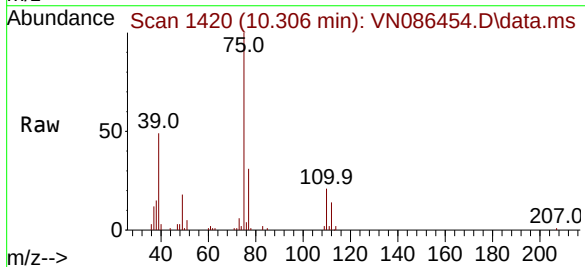
Manual Integrations
APPROVED

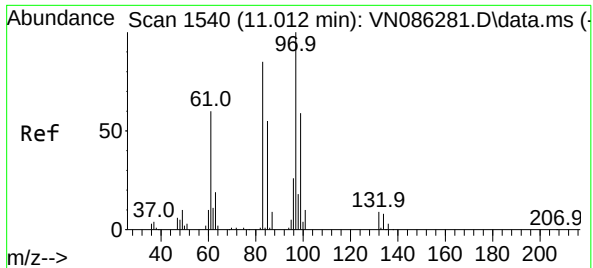
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#54
cis-1,3-Dichloropropene
Concen: 19.183 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

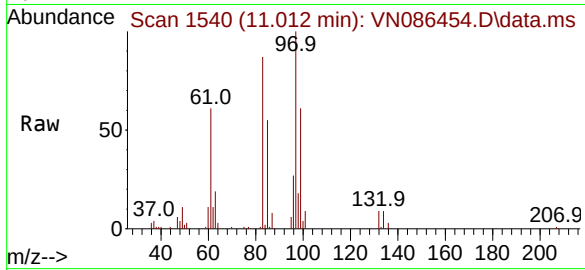
Tgt Ion: 75 Resp: 87598
Ion Ratio Lower Upper
75 100
77 31.1 25.2 37.8
39 49.3 39.3 58.9





#55
1,1,2-Trichloroethane
Concen: 20.297 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

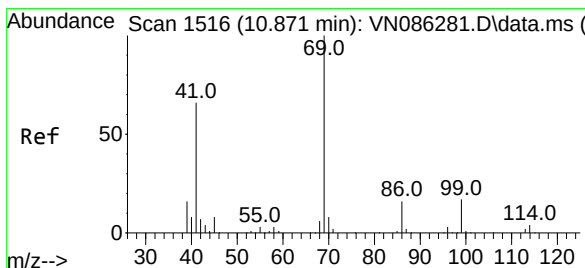
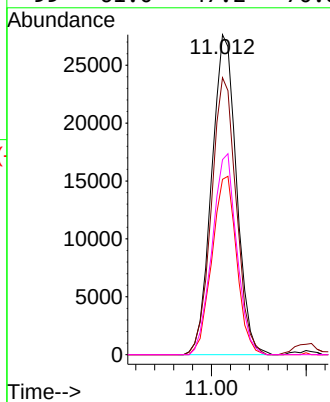
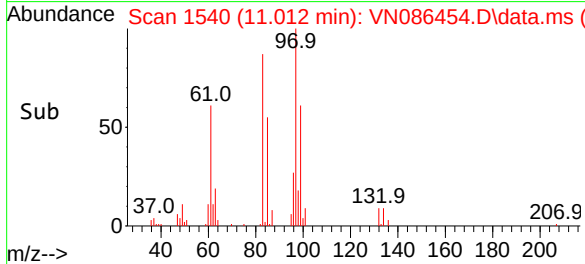
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01



Tgt Ion: 97 Resp: 5038
Ion Ratio Lower Upper
97 100
83 86.6 68.4 102.6
85 54.8 43.9 65.9
99 61.0 47.2 70.8

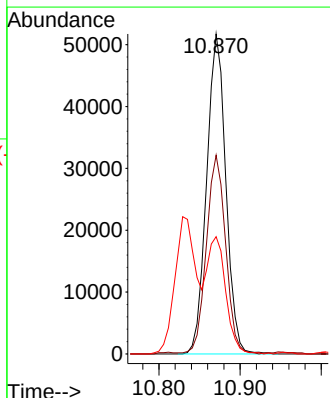
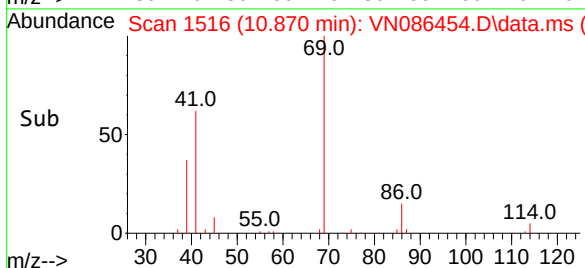
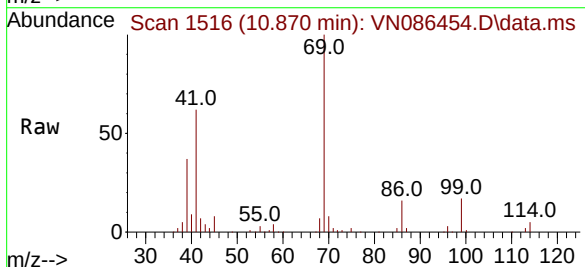
Manual Integrations
APPROVED

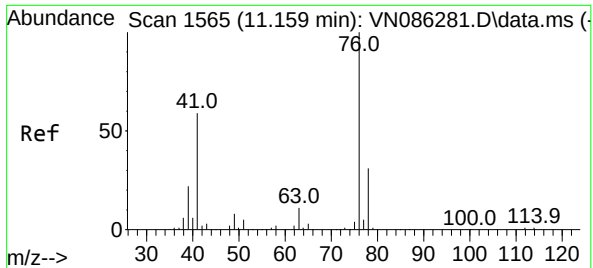
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#56
Ethyl methacrylate
Concen: 18.620 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

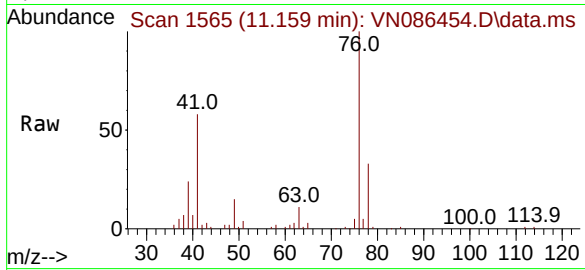
Tgt Ion: 69 Resp: 84956
Ion Ratio Lower Upper
69 100
41 62.3 51.7 77.5
39 35.9 26.3 39.5





#57
1,3-Dichloropropane
Concen: 19.947 ug/l
RT: 11.159 min Scan# 1156
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

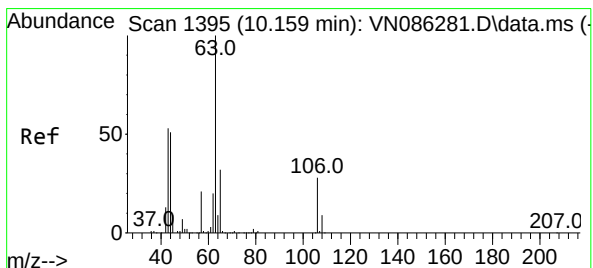
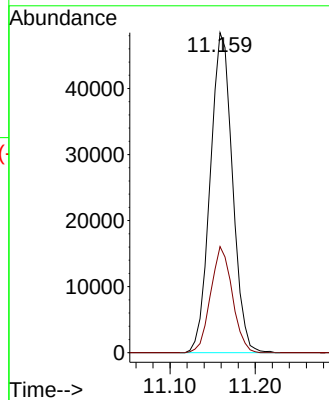
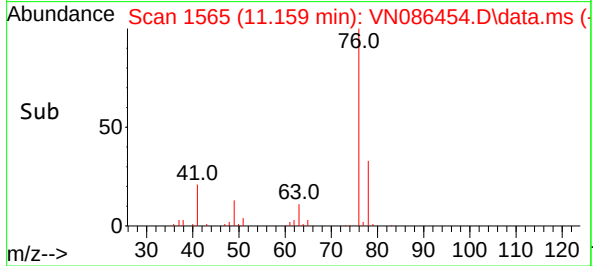
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01



Tgt Ion: 76 Resp: 87840
Ion Ratio Lower Upper
76 100
78 32.3 25.6 38.4

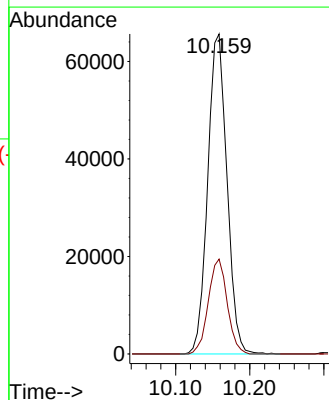
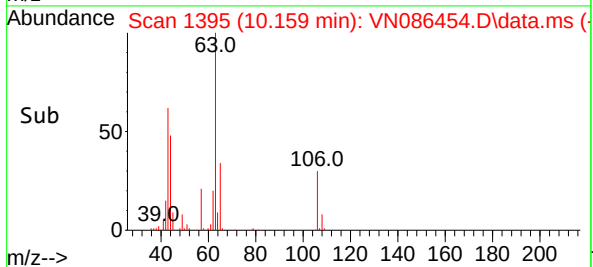
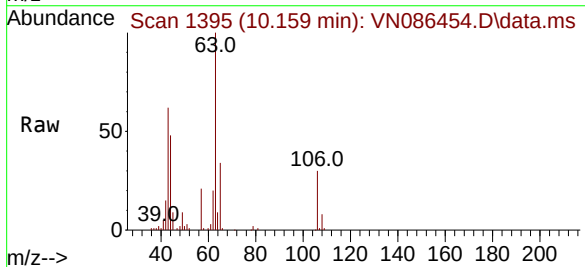
Manual Integrations
APPROVED

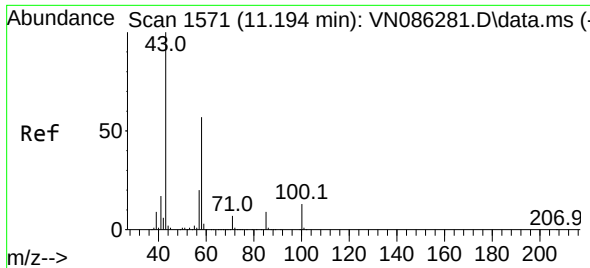
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#58
2-Chloroethyl Vinyl ether
Concen: 54.632 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

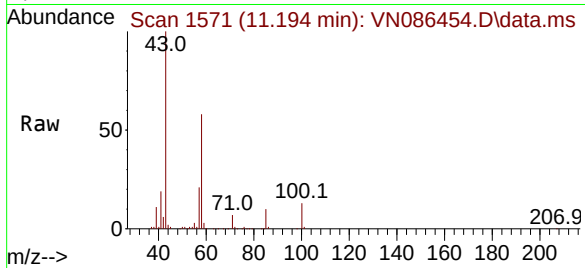
Tgt Ion: 63 Resp: 118312
Ion Ratio Lower Upper
63 100
106 29.2 22.2 33.2





#59
2-Hexanone
Concen: 88.040 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

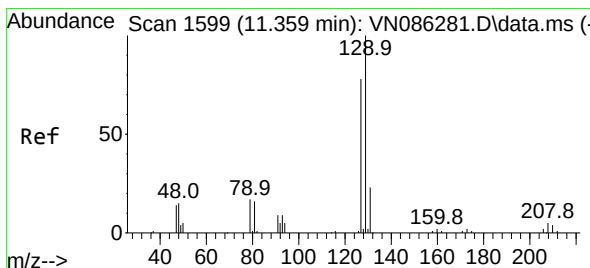
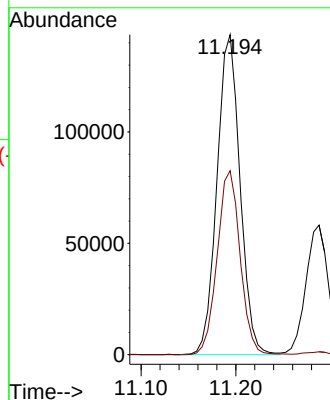
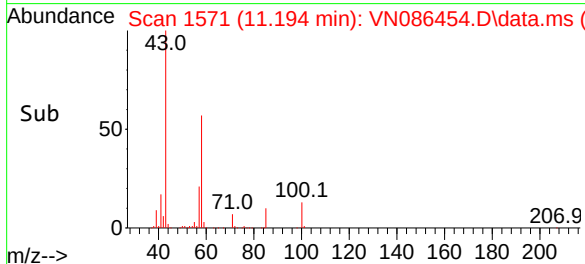
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01



Tgt Ion: 43 Resp: 242948
Ion Ratio Lower Upper
43 100
58 57.2 28.3 85.0

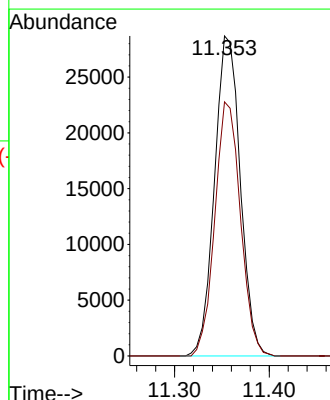
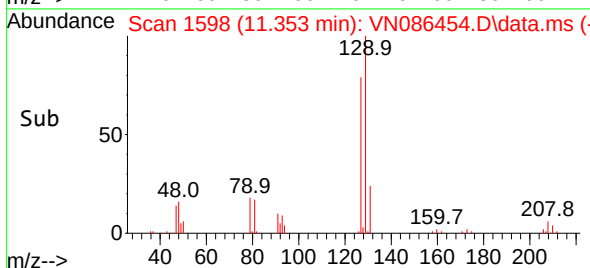
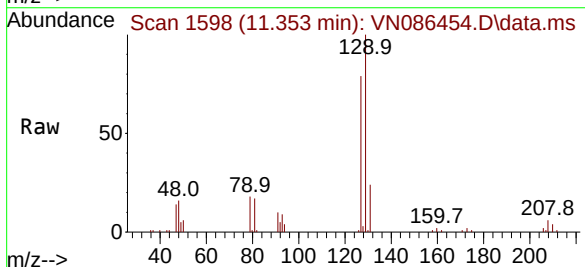
Manual Integrations
APPROVED

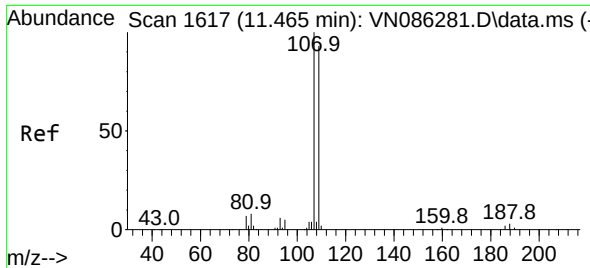
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#60
Dibromochloromethane
Concen: 19.924 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

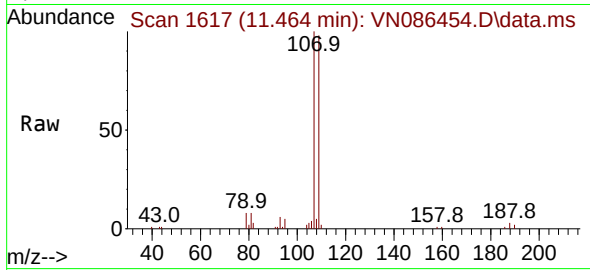
Tgt Ion:129 Resp: 54306
Ion Ratio Lower Upper
129 100
127 78.9 38.7 116.1





#61
1,2-Dibromoethane
Concen: 20.191 ug/l
RT: 11.464 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

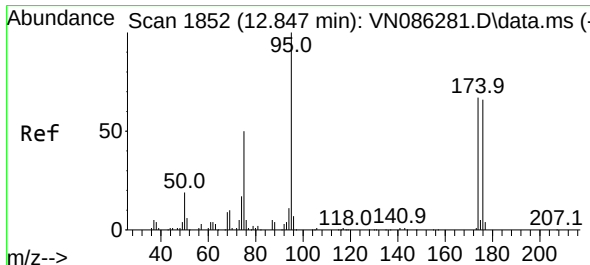
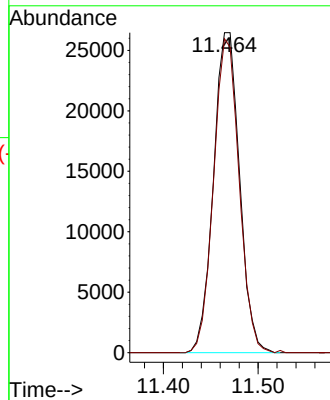
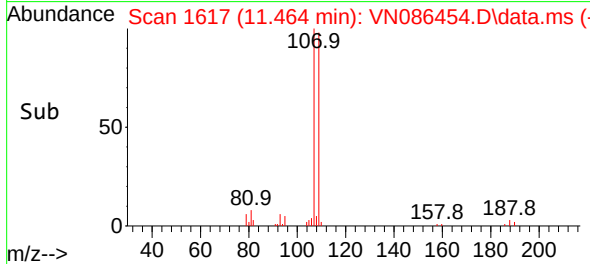
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01



Tgt Ion:107 Resp: 50570
Ion Ratio Lower Upper
107 100
109 96.1 75.4 113.0

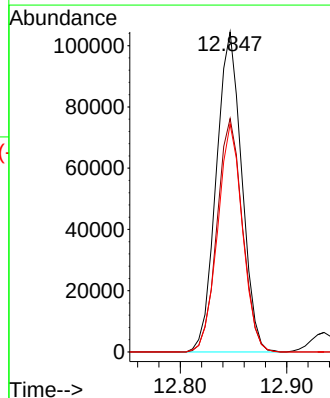
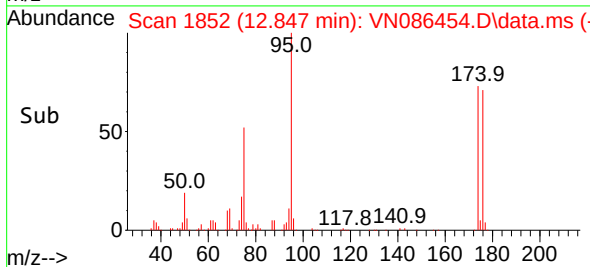
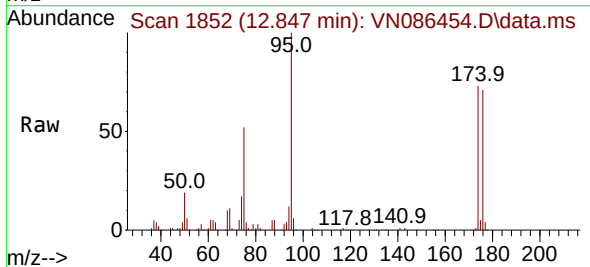
Manual Integrations
APPROVED

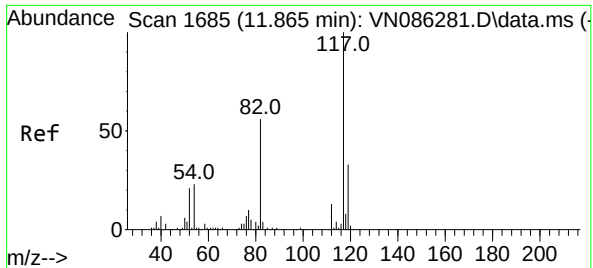
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#62
4-Bromofluorobenzene
Concen: 51.537 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

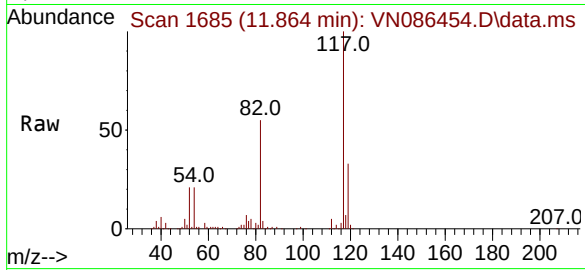
Tgt Ion: 95 Resp: 173581
Ion Ratio Lower Upper
95 100
174 72.4 0.0 133.4
176 69.5 0.0 129.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 11864
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

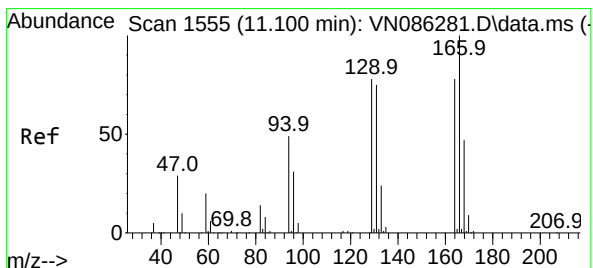
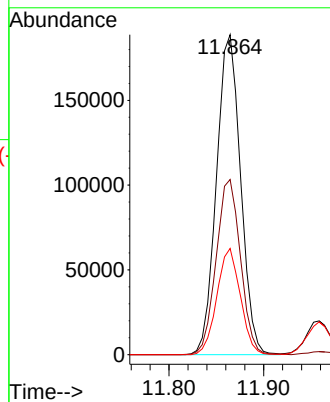
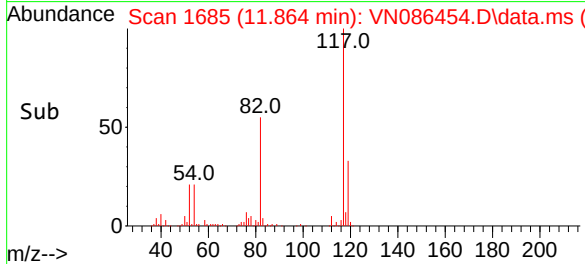
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01



Tgt Ion:117 Resp: 33468
Ion Ratio Lower Upper
117 100
82 54.8 44.7 67.1
119 33.2 26.4 39.6

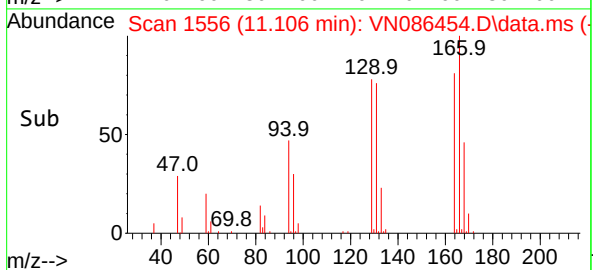
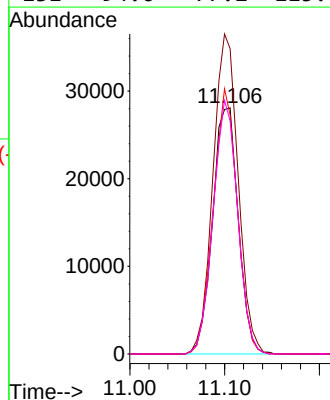
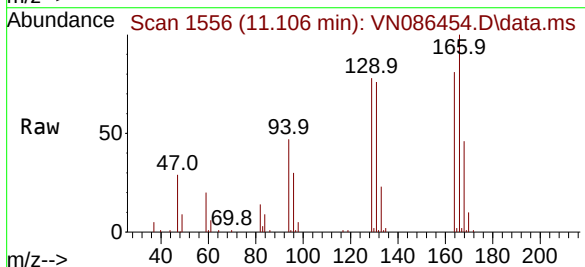
Manual Integrations
APPROVED

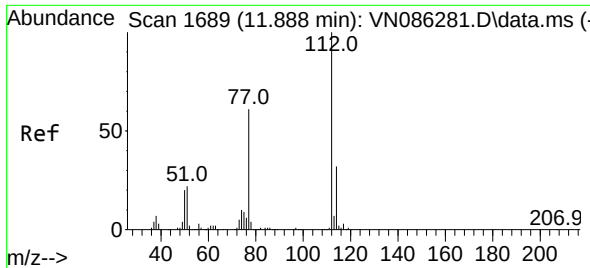
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#64
Tetrachloroethene
Concen: 20.558 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

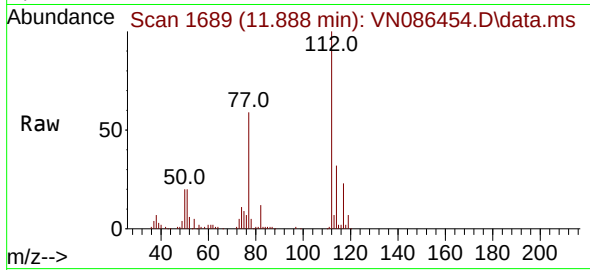
Tgt Ion:164 Resp: 52924
Ion Ratio Lower Upper
164 100
166 124.0 103.0 154.4
129 97.0 80.1 120.1
131 94.6 77.2 115.8





#65
Chlorobenzene
Concen: 20.005 ug/l
RT: 11.888 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

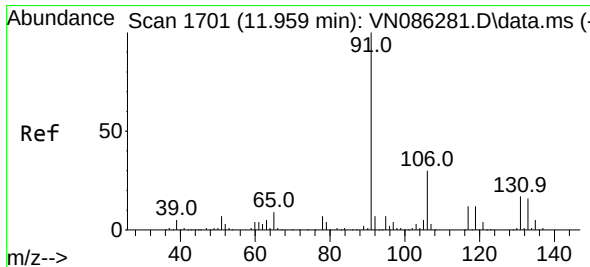
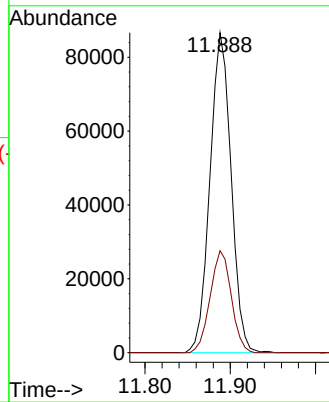
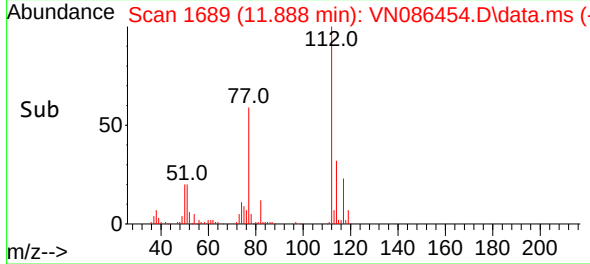
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01



Tgt Ion:112 Resp: 149414
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.0

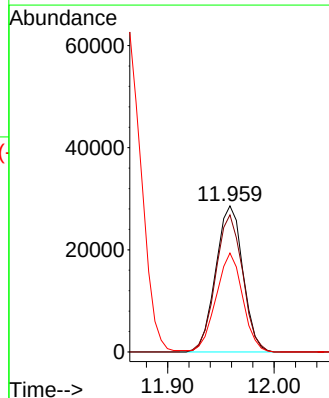
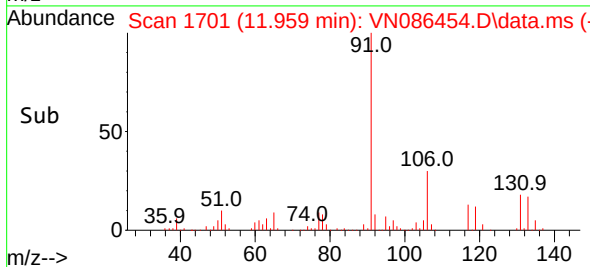
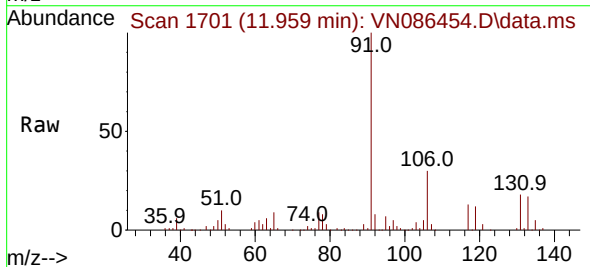
Manual Integrations
APPROVED

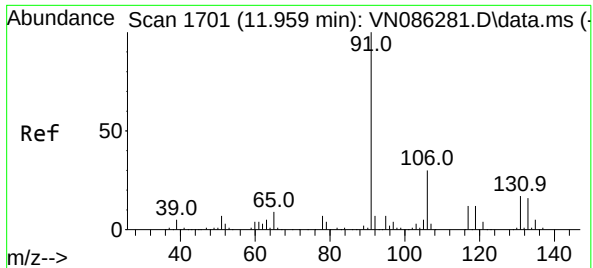
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 20.595 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

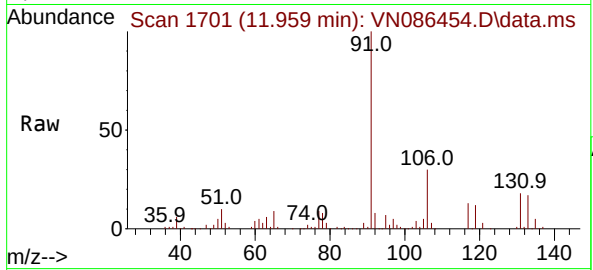
Tgt Ion:131 Resp: 50746
Ion Ratio Lower Upper
131 100
133 93.5 47.1 141.3
119 66.3 33.8 101.4





#67
Ethyl Benzene
Concen: 19.869 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

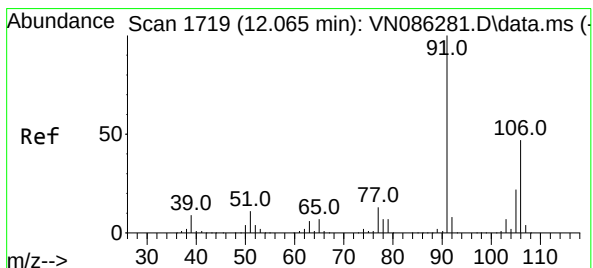
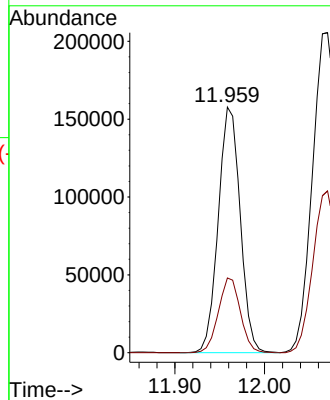
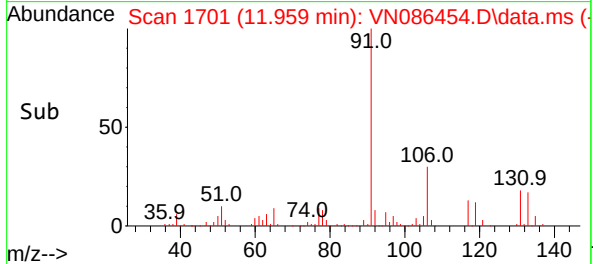
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01



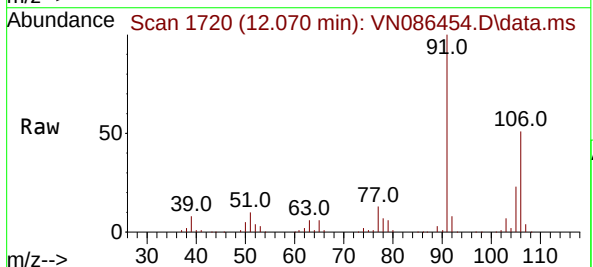
Tgt Ion: 91 Resp: 267790
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5

Manual Integrations
APPROVED

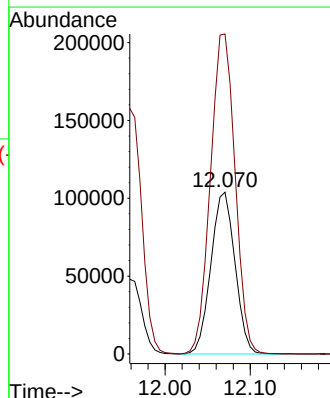
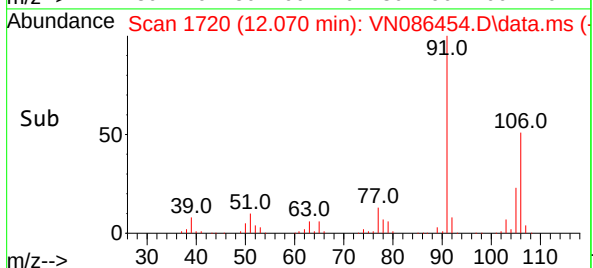
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

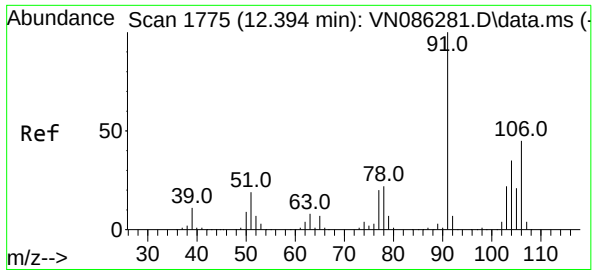


#68
m/p-Xylenes
Concen: 40.396 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26



Tgt Ion:106 Resp: 204005
Ion Ratio Lower Upper
106 100
91 202.7 166.5 249.7





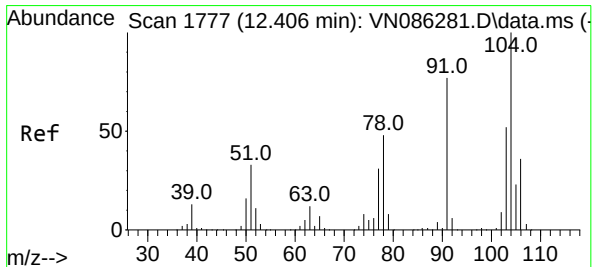
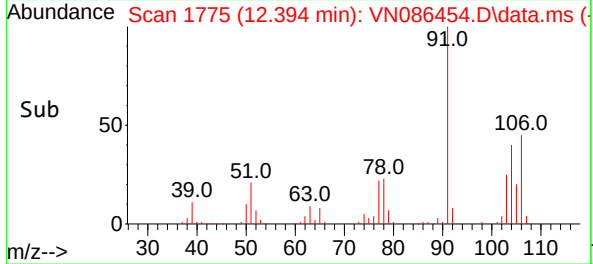
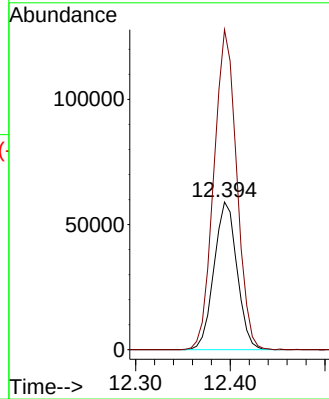
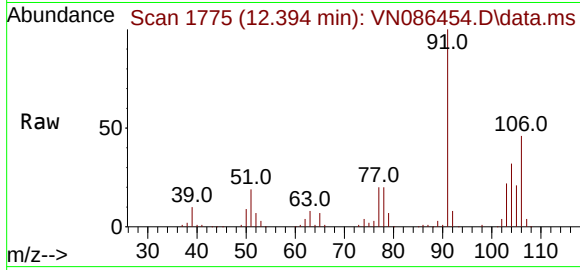
#69
o-Xylene
Concen: 19.934 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01

Tgt Ion:106 Resp: 9955
Ion Ratio Lower Upper
106 100
91 215.4 109.7 329.0

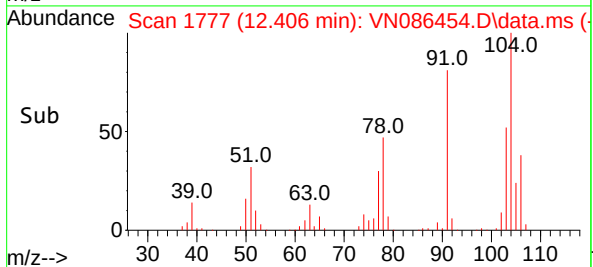
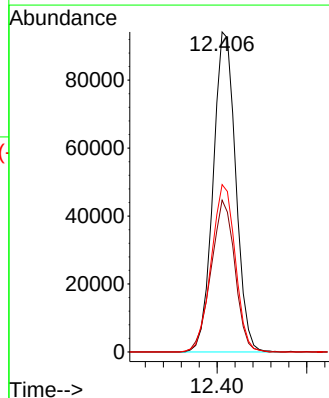
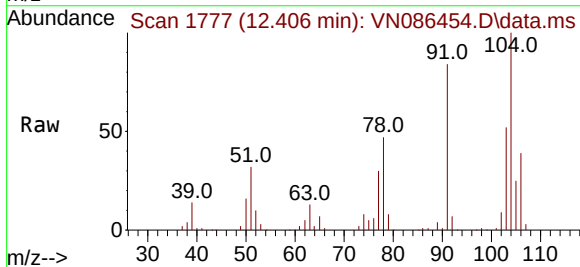
Manual Integrations
APPROVED

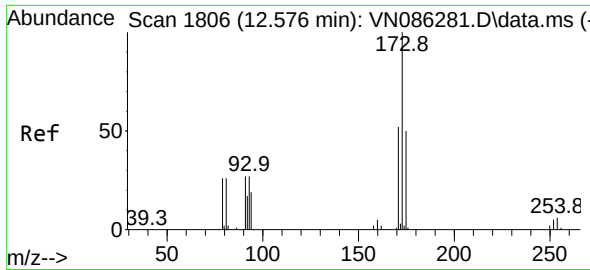
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#70
Styrene
Concen: 19.753 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

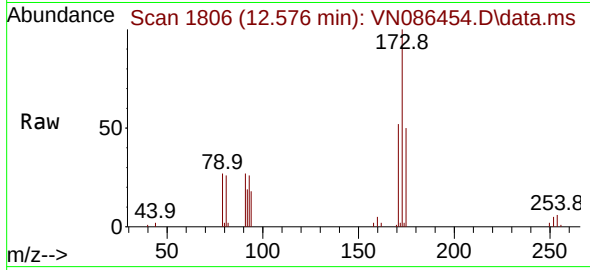
Tgt Ion:104 Resp: 164379
Ion Ratio Lower Upper
104 100
78 50.1 40.6 61.0
103 55.7 43.6 65.4





#71
Bromoform
Concen: 19.760 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

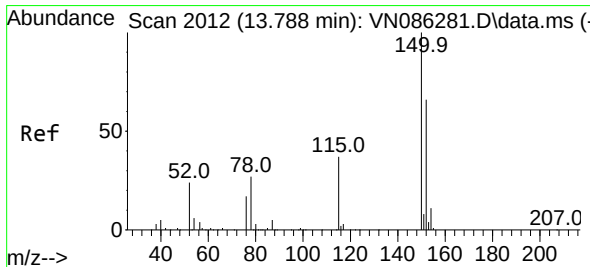
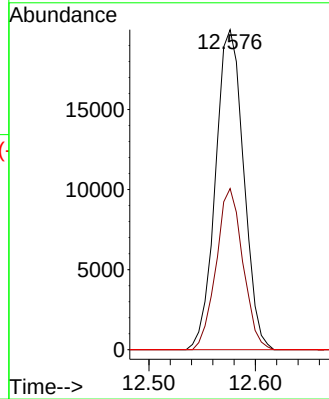
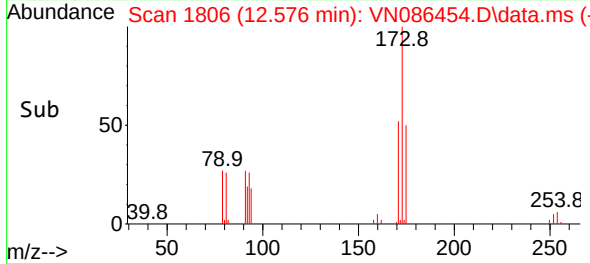
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01



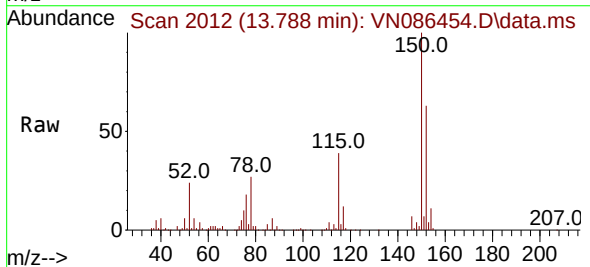
Tgt Ion:173 Resp: 3665
Ion Ratio Lower Upper
173 100
175 47.8 24.6 73.6
254 0.0 0.0 0.0

Manual Integrations
APPROVED

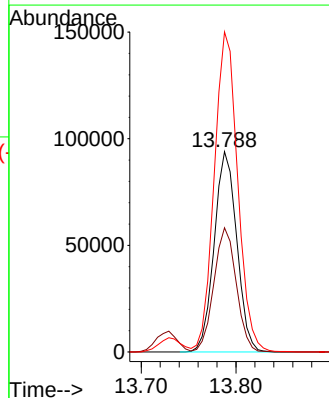
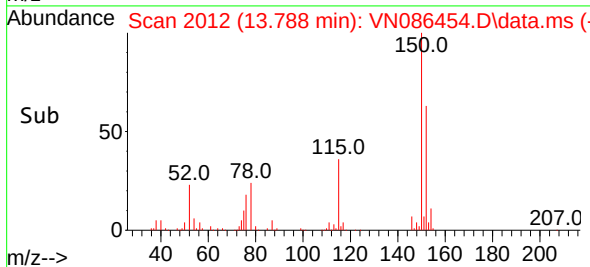
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

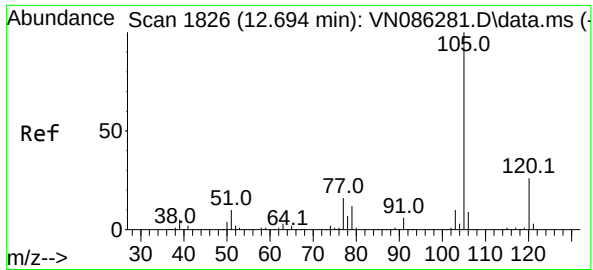


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26



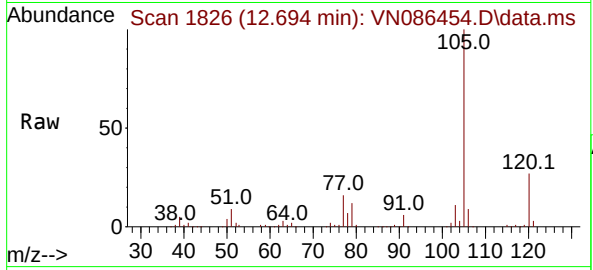
Tgt Ion:152 Resp: 155592
Ion Ratio Lower Upper
152 100
115 61.5 31.9 95.9
150 165.9 0.0 352.0





#73
Isopropylbenzene
Concen: 19.334 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

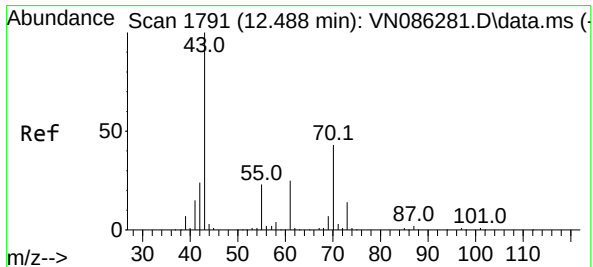
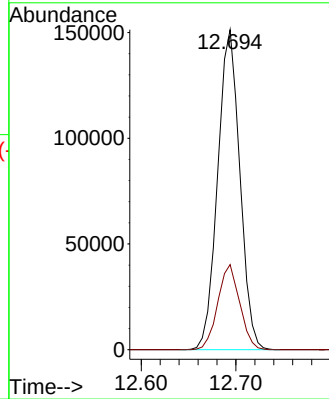
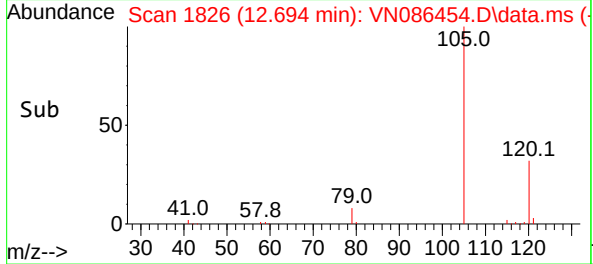
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01



Tgt Ion:105 Resp: 246083
Ion Ratio Lower Upper
105 100
120 26.3 13.1 39.3

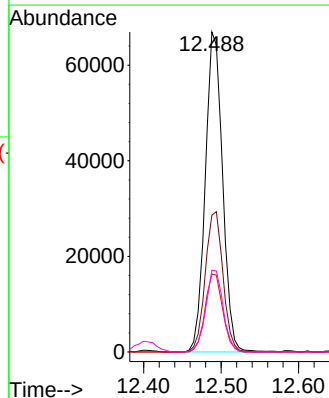
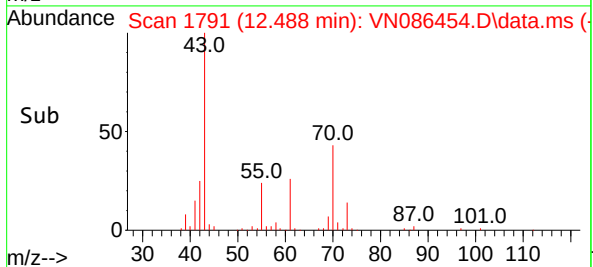
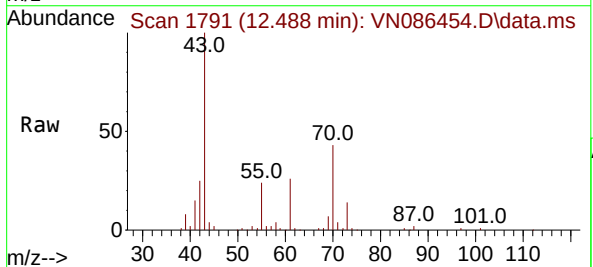
Manual Integrations
APPROVED

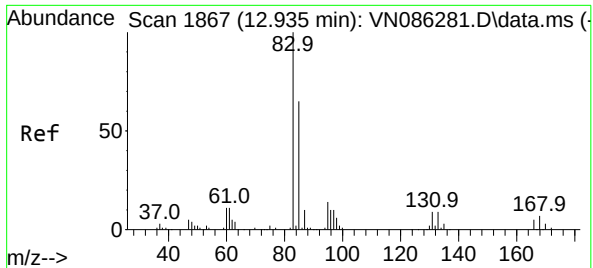
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#74
N-ethyl acetate
Concen: 16.377 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

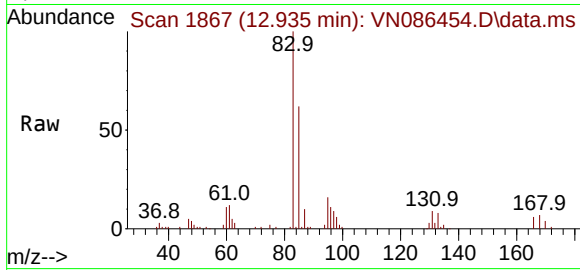
Tgt Ion: 43 Resp: 103766
Ion Ratio Lower Upper
43 100
70 45.0 35.0 52.4
55 24.8 19.0 28.4
61 25.7 19.8 29.8





#75
1,1,2,2-Tetrachloroethane
Concen: 18.879 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

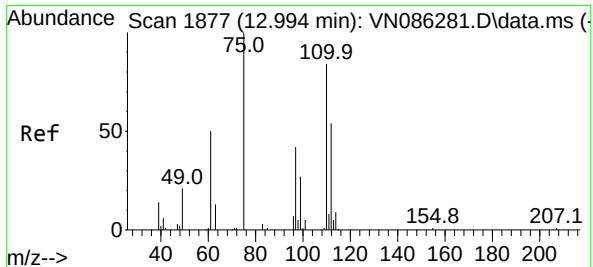
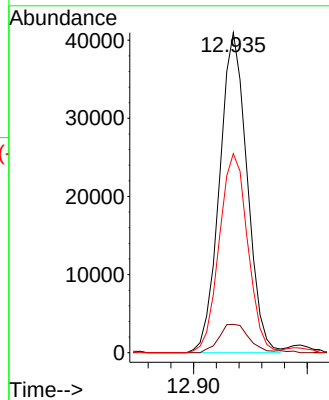
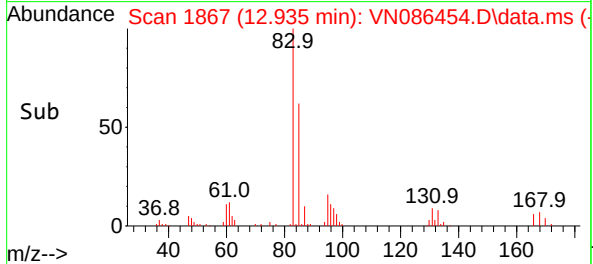
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01



Tgt Ion: 83 Resp: 69090
Ion Ratio Lower Upper
83 100
131 9.9 4.7 14.1
85 64.3 32.7 98.1

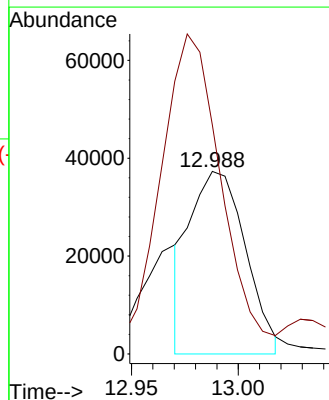
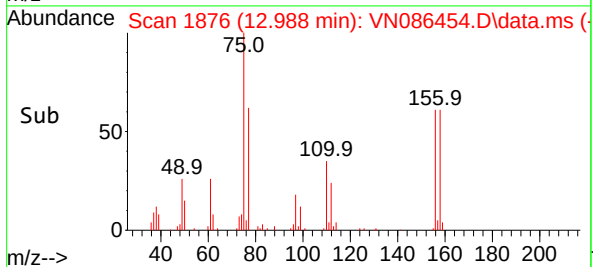
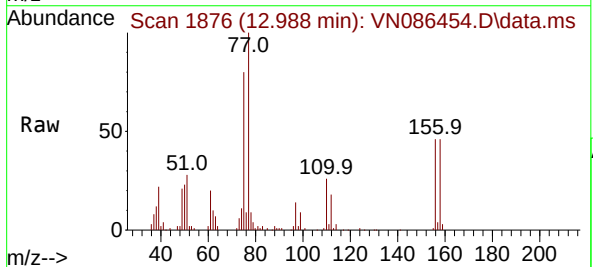
Manual Integrations
APPROVED

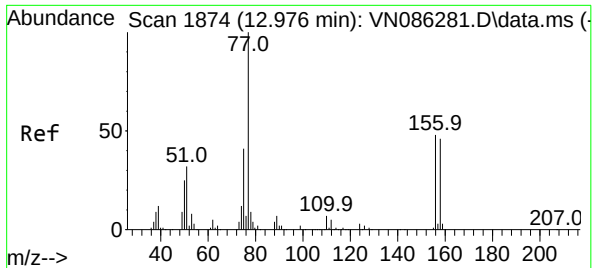
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#76
1,2,3-Trichloropropane
Concen: 18.350 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

Tgt Ion: 75 Resp: 67376
Ion Ratio Lower Upper
75 100
77 193.7 98.8 296.4





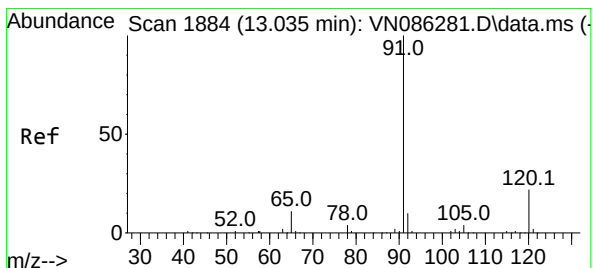
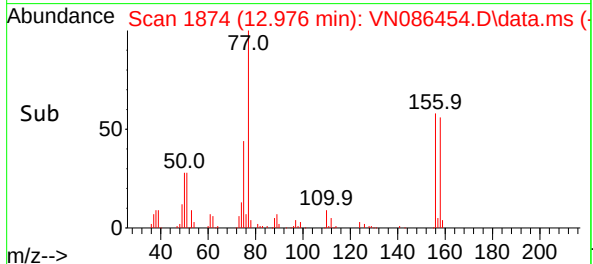
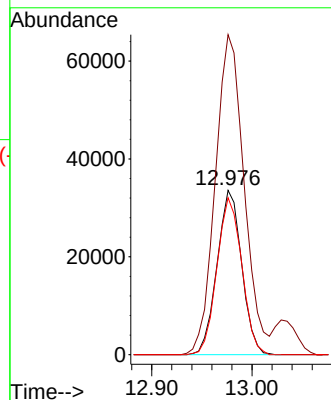
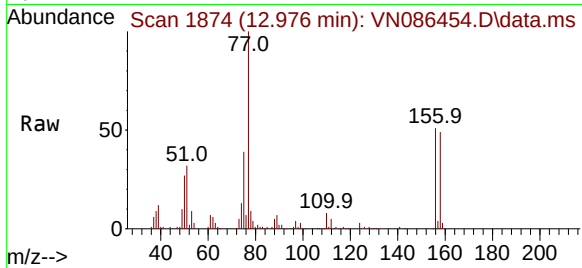
#77
Bromobenzene
Concen: 20.259 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01

Tgt Ion:156 Resp: 5713
Ion Ratio Lower Upper
156 100
77 228.4 121.1 363.1
158 96.5 47.9 143.6

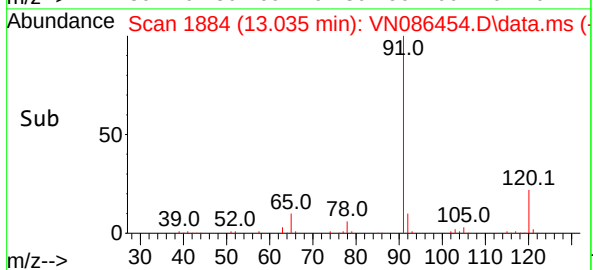
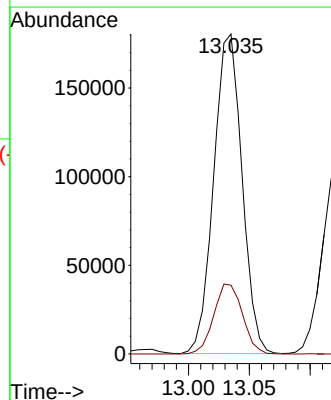
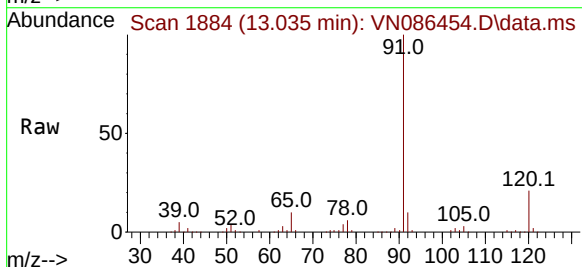
Manual Integrations
APPROVED

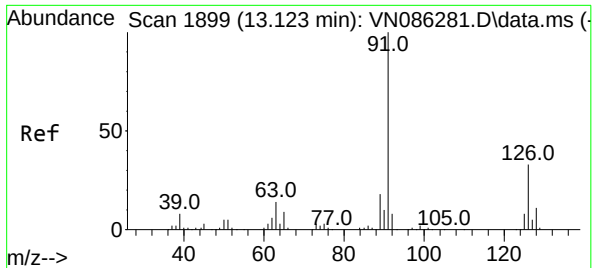
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#78
n-propylbenzene
Concen: 19.450 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

Tgt Ion: 91 Resp: 291710
Ion Ratio Lower Upper
91 100
120 22.2 11.1 33.3





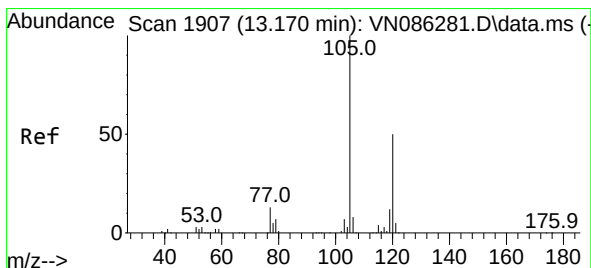
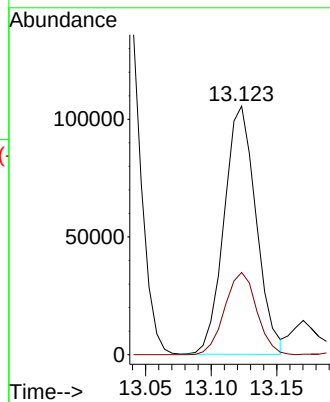
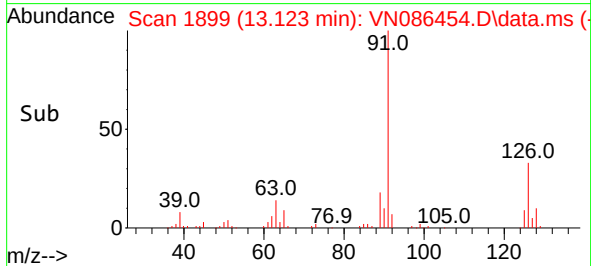
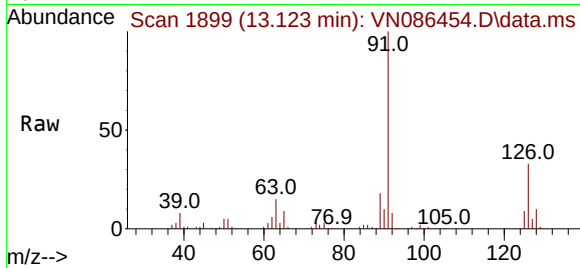
#79
2-Chlorotoluene
Concen: 19.105 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01

Tgt Ion: 91 Resp: 179302
Ion Ratio Lower Upper
91 100
126 33.0 16.1 48.2

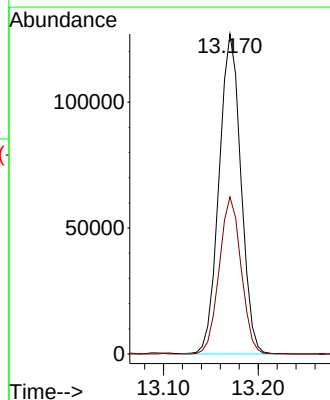
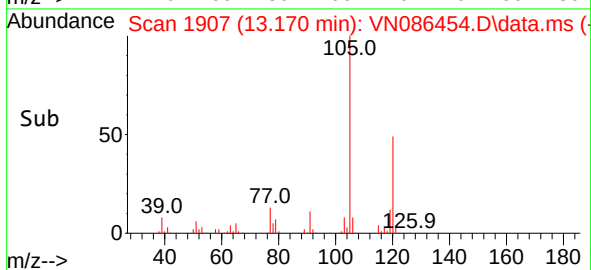
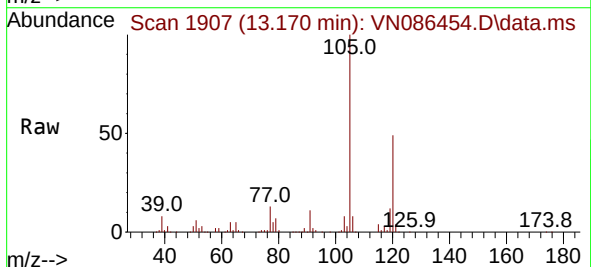
Manual Integrations
APPROVED

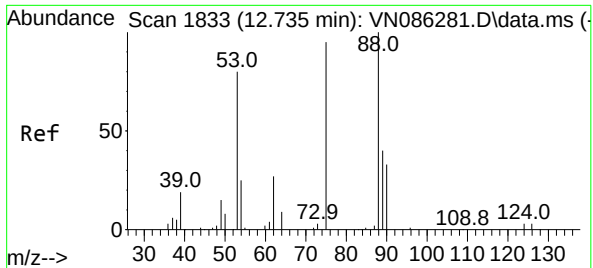
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#80
1,3,5-Trimethylbenzene
Concen: 19.586 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

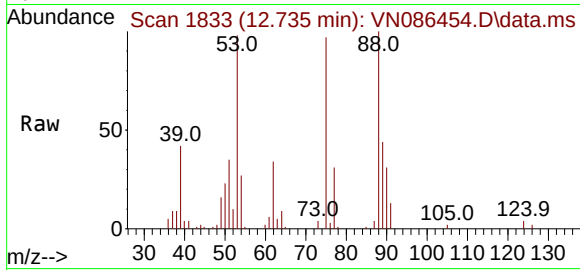
Tgt Ion:105 Resp: 204033
Ion Ratio Lower Upper
105 100
120 49.0 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 19.792 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

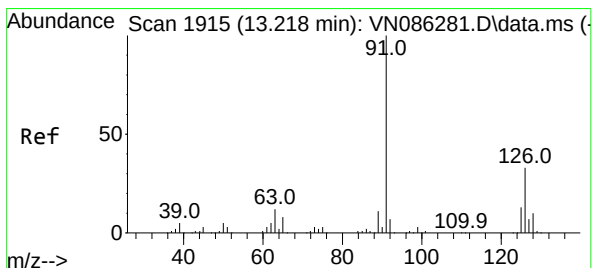
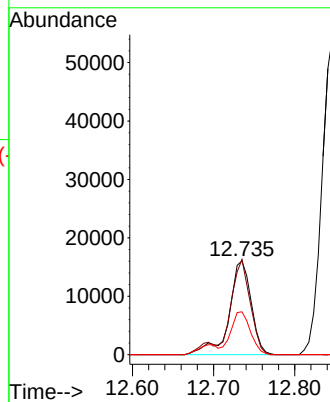
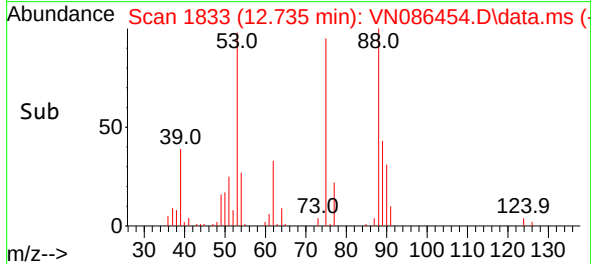
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01



Tgt Ion: 75 Resp: 30259
Ion Ratio Lower Upper
75 100
53 87.6 79.2 118.8
89 40.9 35.7 53.5

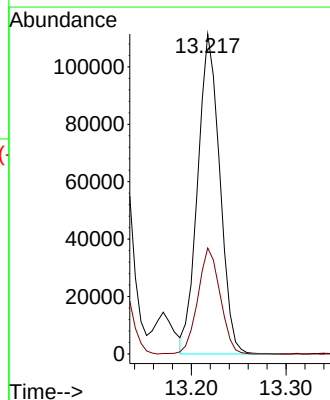
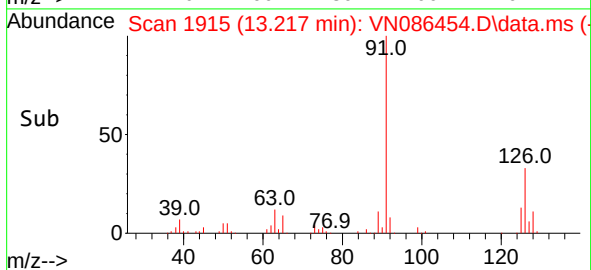
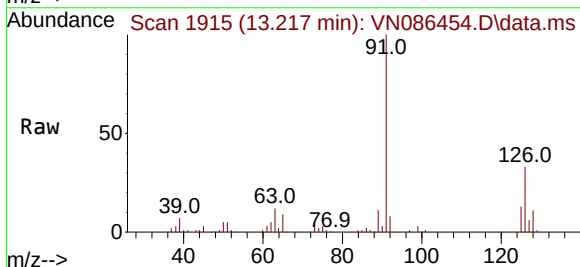
Manual Integrations
APPROVED

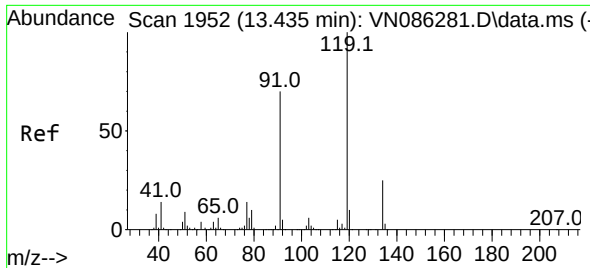
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#82
4-Chlorotoluene
Concen: 19.375 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

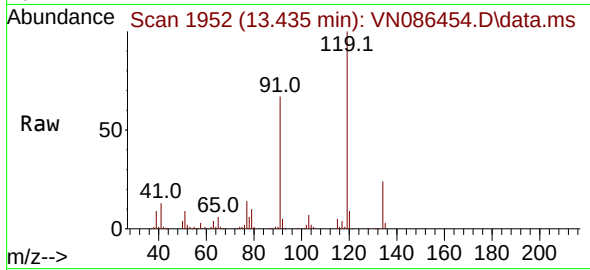
Tgt Ion: 91 Resp: 180626
Ion Ratio Lower Upper
91 100
126 33.4 16.2 48.6





#83
tert-Butylbenzene
Concen: 19.210 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

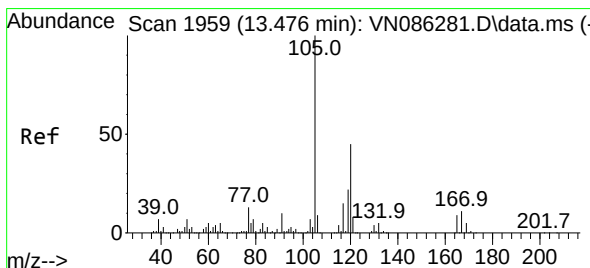
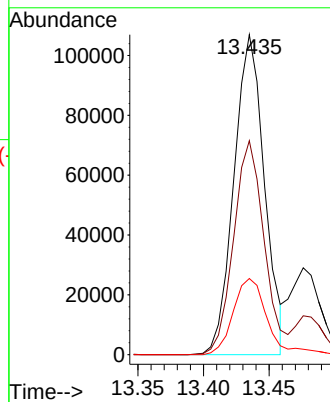
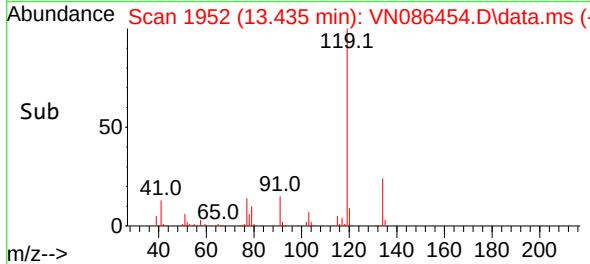
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01



Tgt Ion:119 Resp: 173390
Ion Ratio Lower Upper
119 100
91 67.1 34.4 103.3
134 26.5 13.0 39.0

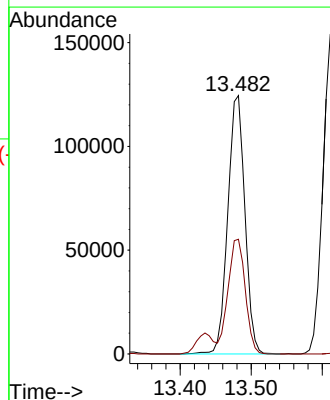
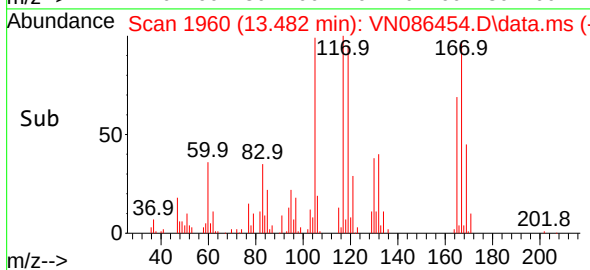
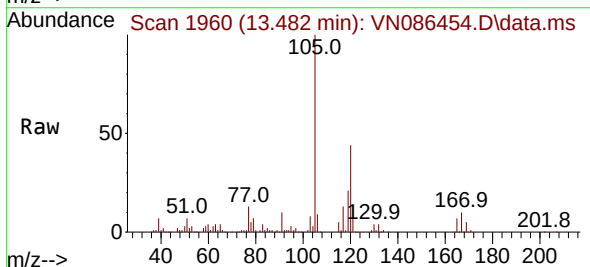
Manual Integrations
APPROVED

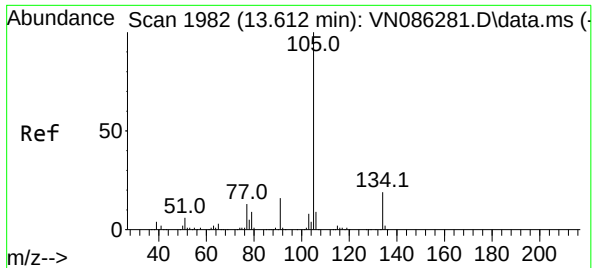
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#84
1,2,4-Trimethylbenzene
Concen: 19.619 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

Tgt Ion:105 Resp: 208033
Ion Ratio Lower Upper
105 100
120 44.8 22.4 67.3





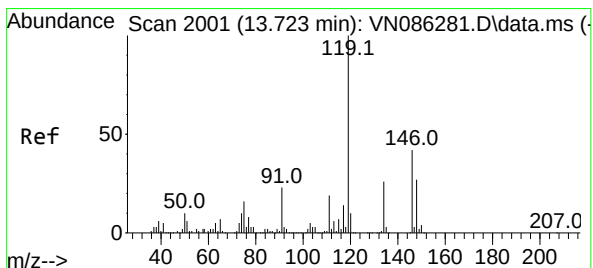
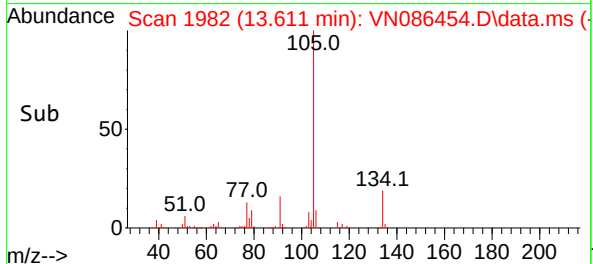
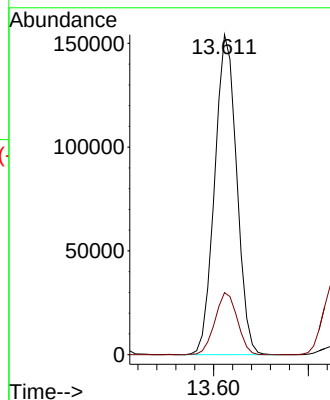
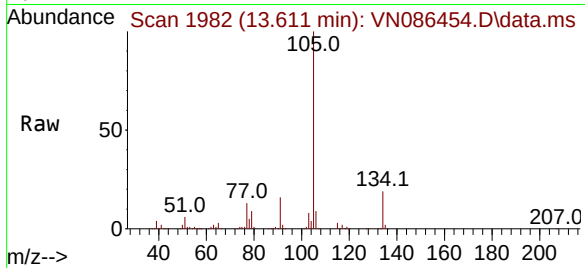
#85
 sec-Butylbenzene
 Concen: 19.898 ug/l
 RT: 13.611 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN086454.D
 Acq: 02 May 2025 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBS01

Tgt Ion:105 Resp: 249128
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.7 29.1

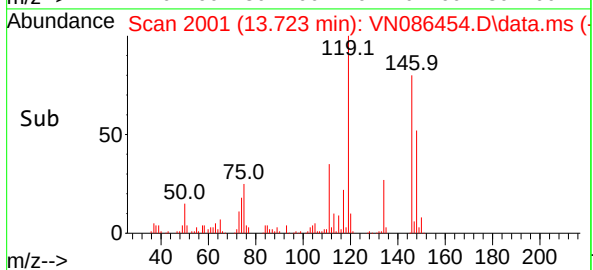
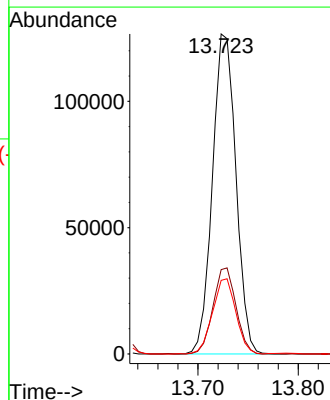
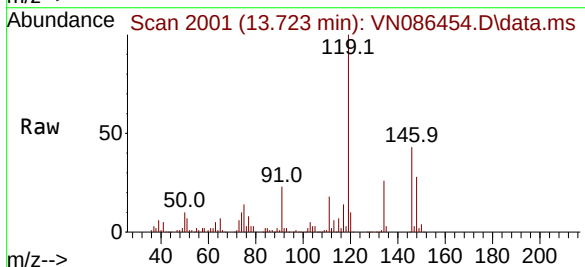
Manual Integrations
 APPROVED

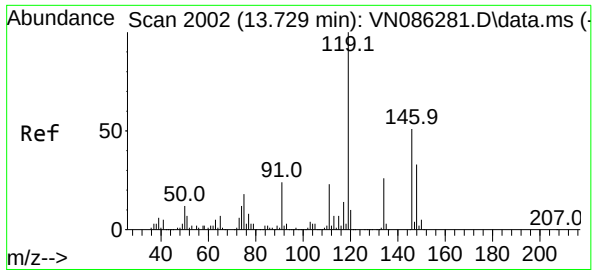
Reviewed By :John Carlone 05/05/2025
 Supervised By :Semsettin Yesilyurt 05/05/2025



#86
 p-Isopropyltoluene
 Concen: 20.010 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. -0.000 min
 Lab File: VN086454.D
 Acq: 02 May 2025 11:26

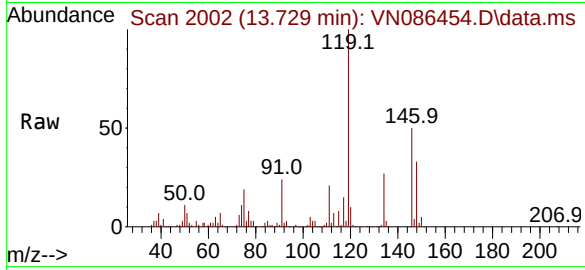
Tgt Ion:119 Resp: 206496
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.1 39.1
 91 23.4 11.9 35.9





#87
1,3-Dichlorobenzene
Concen: 20.210 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

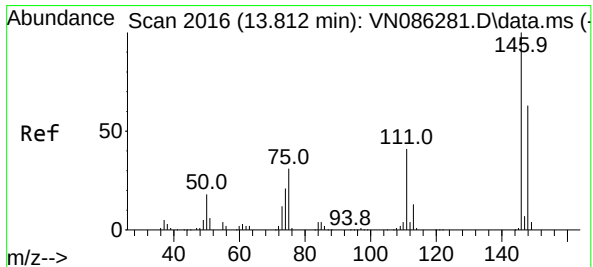
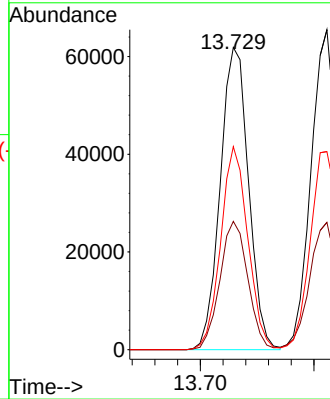
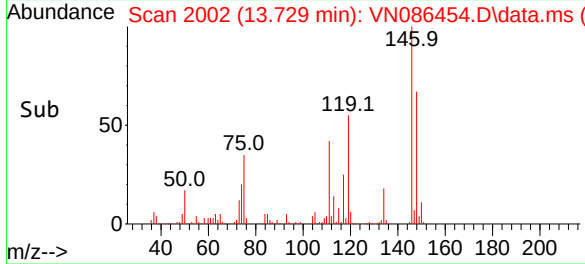
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01



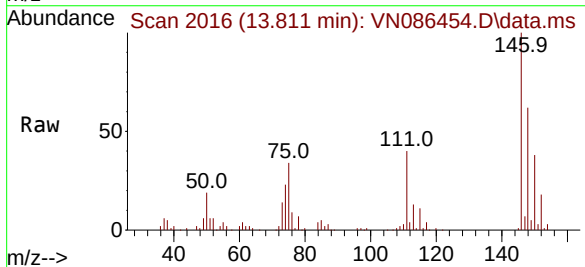
Tgt Ion:146 Resp: 10714
Ion Ratio Lower Upper
146 100
111 41.9 21.9 65.7
148 64.5 31.9 95.5

Manual Integrations
APPROVED

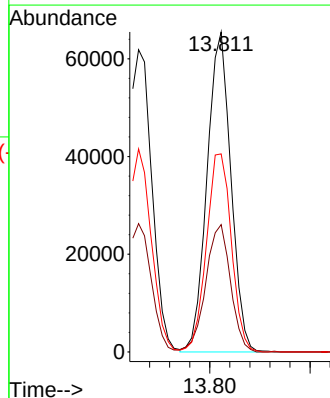
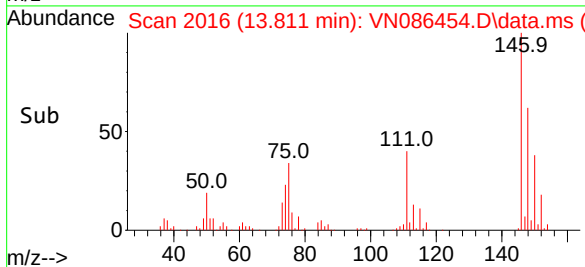
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

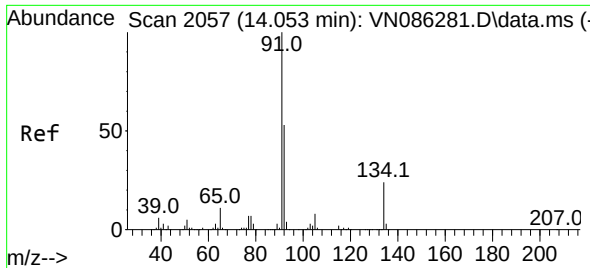


#88
1,4-Dichlorobenzene
Concen: 20.294 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26



Tgt Ion:146 Resp: 108366
Ion Ratio Lower Upper
146 100
111 41.4 21.3 63.9
148 64.7 31.9 95.9





#89

n-Butylbenzene

Concen: 19.762 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086454.D

Acq: 02 May 2025 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBS01

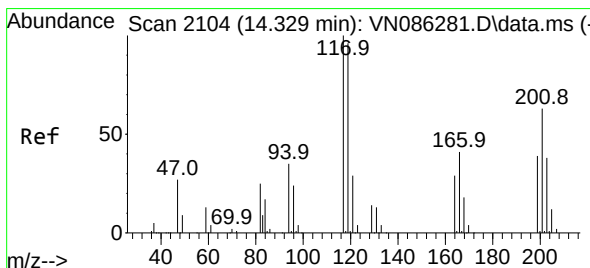
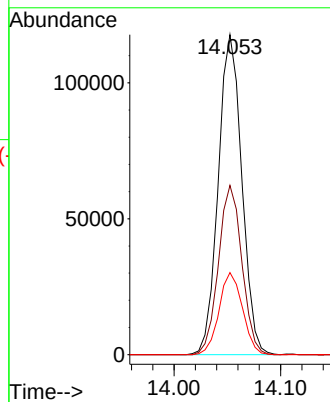
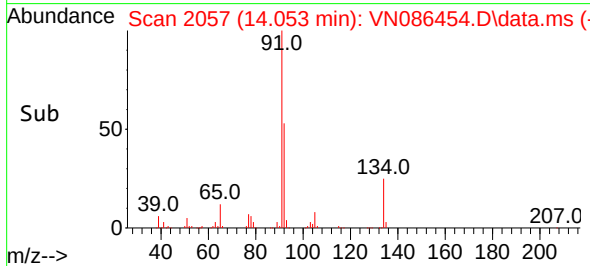
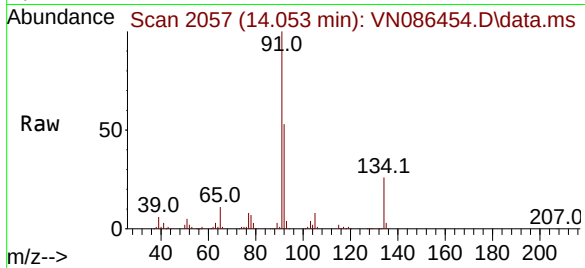
Tgt Ion:	91	Resp:	18077
Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.8	80.4
134	25.6	12.2	36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#90

Hexachloroethane

Concen: 19.042 ug/l

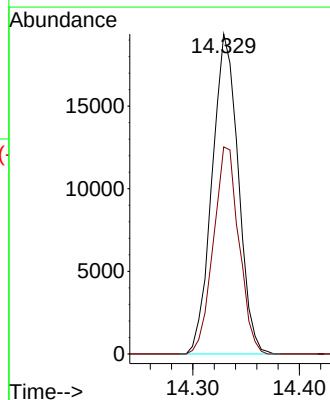
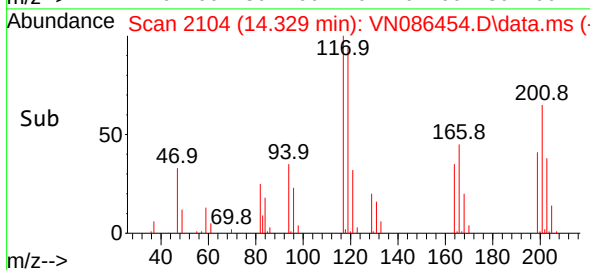
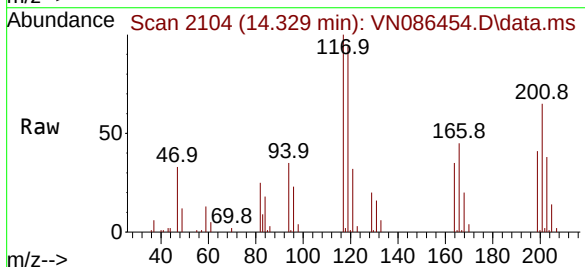
RT: 14.329 min Scan# 2104

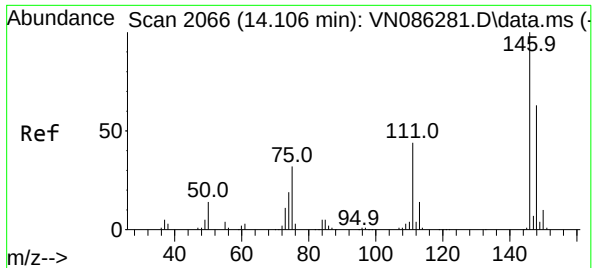
Delta R.T. -0.000 min

Lab File: VN086454.D

Acq: 02 May 2025 11:26

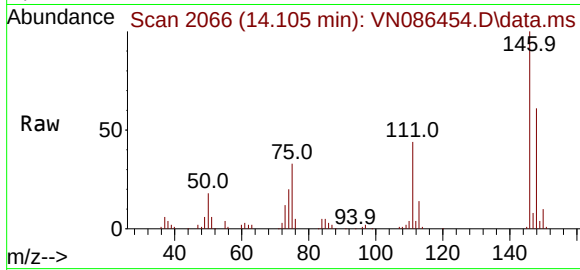
Tgt Ion:	117	Resp:	33053
Ion	Ratio	Lower	Upper
117	100		
201	63.3	31.4	94.2





#91
1,2-Dichlorobenzene
Concen: 20.268 ug/l
RT: 14.105 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

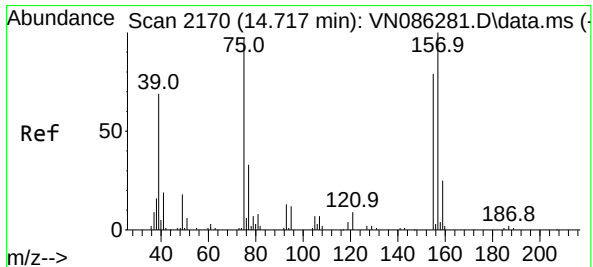
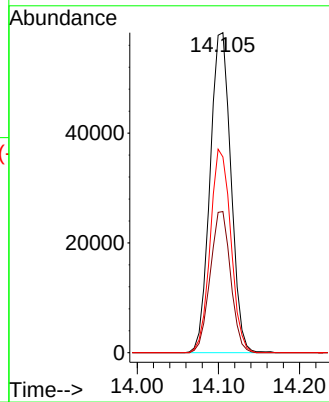
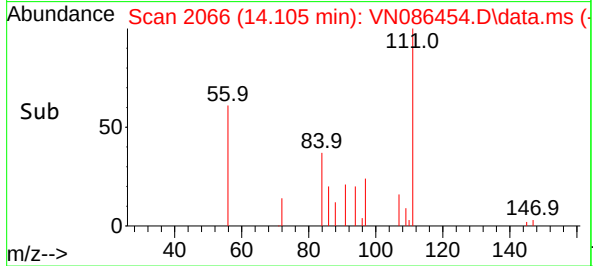
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01



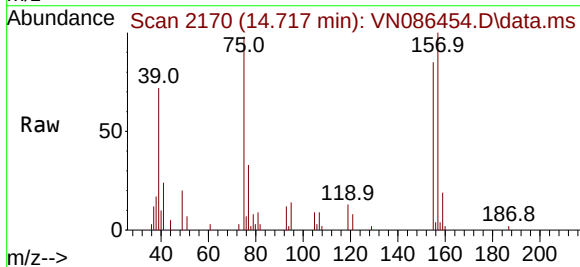
Tgt Ion:146 Resp: 104174
Ion Ratio Lower Upper
146 100
111 43.2 22.4 67.0
148 62.8 31.8 95.4

Manual Integrations
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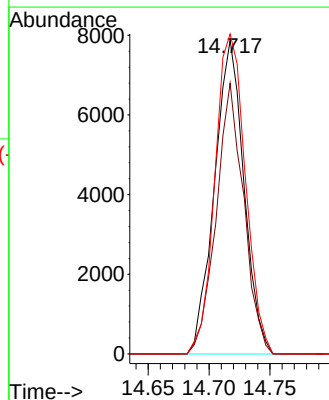
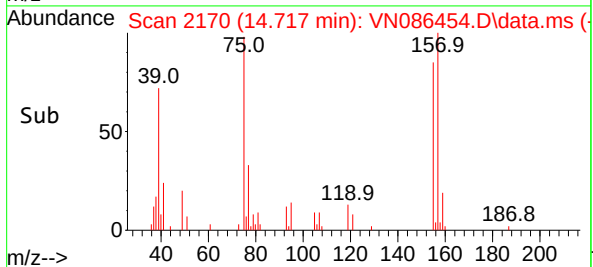
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

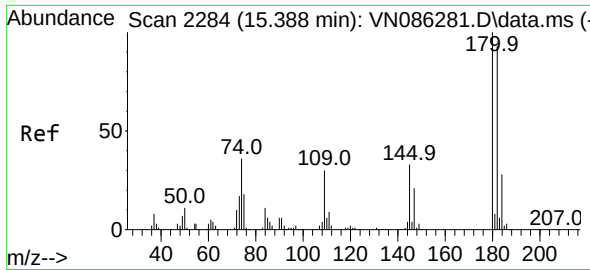


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.913 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26



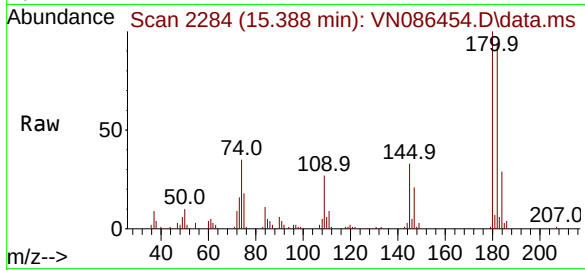
Tgt Ion: 75 Resp: 13218
Ion Ratio Lower Upper
75 100
155 80.6 40.3 120.9
157 105.4 49.0 147.2





#93
1,2,4-Trichlorobenzene
Concen: 20.410 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

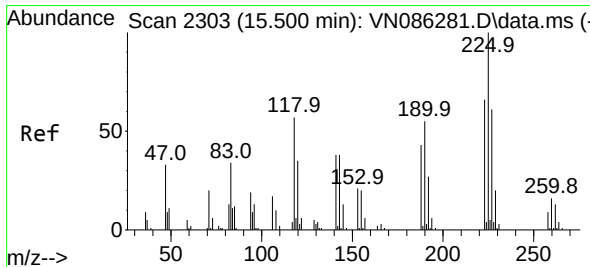
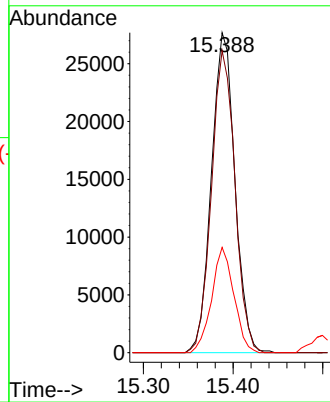
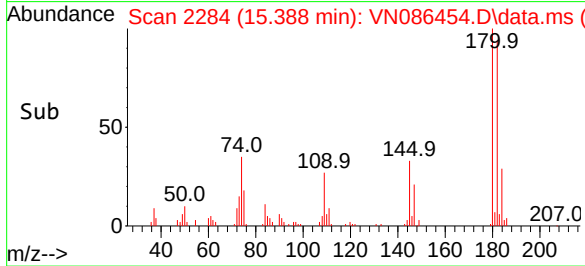
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01



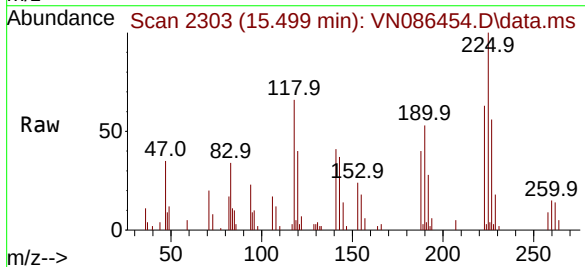
Tgt Ion:180 Resp: 5023
Ion Ratio Lower Upper
180 100
182 94.4 47.0 141.0
145 31.1 16.4 49.1

Manual Integrations
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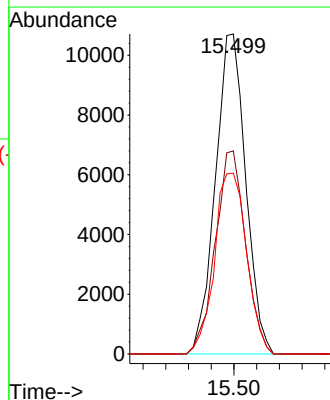
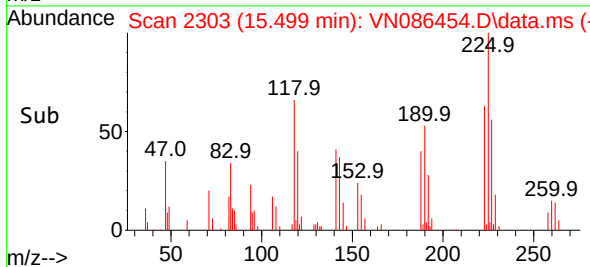
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

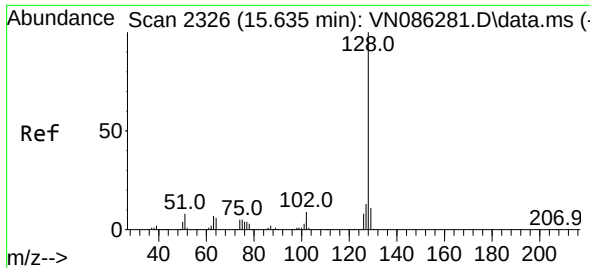


#94
Hexachlorobutadiene
Concen: 21.383 ug/l
RT: 15.499 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26



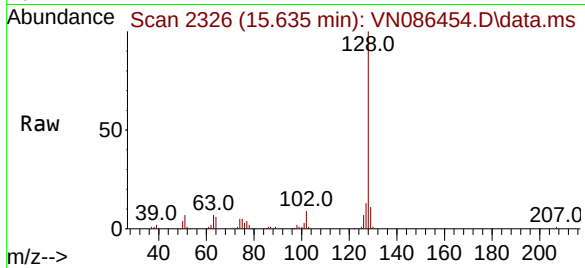
Tgt Ion:225 Resp: 19866
Ion Ratio Lower Upper
225 100
223 63.3 32.8 98.3
227 59.8 31.4 94.0





#95
Naphthalene
Concen: 18.481 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

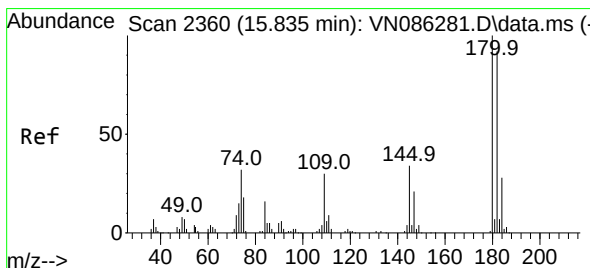
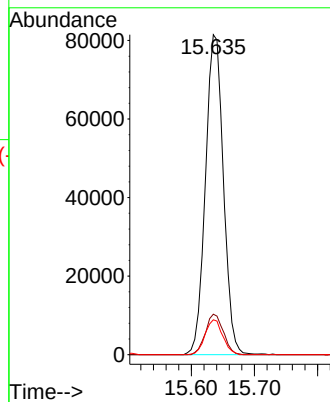
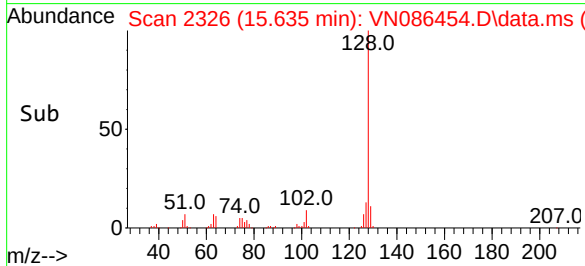
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01



Tgt Ion:128 Resp: 161235
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 10.7 8.6 13.0

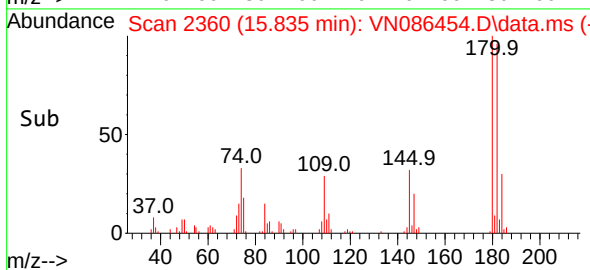
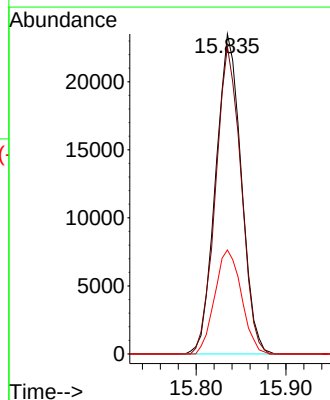
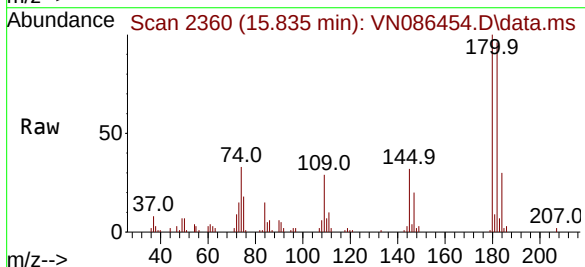
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.970 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086454.D
Acq: 02 May 2025 11:26

Tgt Ion:180 Resp: 46532
Ion Ratio Lower Upper
180 100
182 95.3 47.3 142.0
145 33.8 17.2 51.5



Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Dover		Date Received:	
Client Sample ID:	VN0502WBSD01		SDG No.:	Q1940
Lab Sample ID:	VN0502WBSD01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086456.D	1		05/02/25 12:14	VN050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	17.3		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	17.9		0.26	1.00	ug/L
74-83-9	Bromomethane	23.8		1.40	5.00	ug/L
75-00-3	Chloroethane	18.5		0.47	1.00	ug/L
75-65-0	Tert butyl alcohol	110		5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	18.0		0.23	1.00	ug/L
67-64-1	Acetone	100		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	16.7		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.2		0.16	1.00	ug/L
75-09-2	Methylene Chloride	19.4		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.4		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.7		0.23	1.00	ug/L
78-93-3	2-Butanone	96.1		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.3		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.3		0.19	1.00	ug/L
67-66-3	Chloroform	20.0		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.6		0.20	1.00	ug/L
71-43-2	Benzene	19.5		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.8		0.22	1.00	ug/L
79-01-6	Trichloroethene	20.0		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.5		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.7		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	5.00	ug/L
108-88-3	Toluene	19.6		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.3		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.8		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.3		0.21	1.00	ug/L
591-78-6	2-Hexanone	100		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.9		0.18	1.00	ug/L
127-18-4	Tetrachloroethene	20.2		0.23	1.00	ug/L

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Dover			Date Received:	
Client Sample ID:	VN0502WBSD01			SDG No.:	Q1940
Lab Sample ID:	VN0502WBSD01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086456.D	1		05/02/25 12:14	VN050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	19.8		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.1		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.3		0.24	2.00	ug/L
95-47-6	o-Xylene	19.7		0.12	1.00	ug/L
100-42-5	Styrene	19.4		0.15	1.00	ug/L
75-25-2	Bromoform	20.5		0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.0		0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.4		74 - 125	113%	SPK: 50
1868-53-7	Dibromofluoromethane	60.2		75 - 124	120%	SPK: 50
2037-26-5	Toluene-d8	53.4		86 - 113	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		77 - 121	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	146000	8.224			
540-36-3	1,4-Difluorobenzene	268000	9.1			
3114-55-4	Chlorobenzene-d5	242000	11.859			
3855-82-1	1,4-Dichlorobenzene-d4	109000	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 OC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
 Data File : VN086456.D
 Acq On : 02 May 2025 12:14
 Operator : JC\MD
 Sample : VN0502WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/05/2025
 Supervised By : Semsettin Yesilyurt 05/05/2025

Quant Time: May 02 23:14:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	145586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	268054	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	242177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108773	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118998	56.367	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.740%	
35) Dibromofluoromethane	8.159	113	74901	60.206	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 120.420%	
50) Toluene-d8	10.565	98	355221	53.425	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.860%	
62) 4-Bromofluorobenzene	12.847	95	126083	51.990	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.980%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	31952	18.514	ug/l	97
3) Chloromethane	2.359	50	43467	17.330	ug/l	100
4) Vinyl Chloride	2.512	62	42804	17.883	ug/l	99
5) Bromomethane	2.954	94	25613	23.790	ug/l	98
6) Chloroethane	3.118	64	29664	18.518	ug/l	98
7) Trichlorofluoromethane	3.501	101	52060	19.636	ug/l	98
8) Diethyl Ether	3.959	74	21816	18.849	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	31875	19.874	ug/l	98
10) Methyl Iodide	4.583	142	39960	22.662	ug/l	98
11) Tert butyl alcohol	5.512	59	40924	106.243	ug/l	99
12) 1,1-Dichloroethene	4.342	96	30861	18.010	ug/l	94
13) Acrolein	4.183	56	16822	83.614	ug/l	98
14) Allyl chloride	5.024	41	48708	15.990	ug/l	94
15) Acrylonitrile	5.718	53	95093	99.865	ug/l	99
16) Acetone	4.424	43	78830	104.683	ug/l	99
17) Carbon Disulfide	4.712	76	85785	16.720	ug/l	100
18) Methyl Acetate	5.030	43	45750	18.053	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	121226	19.246	ug/l	99
20) Methylene Chloride	5.277	84	37768	19.351	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	34740	19.392	ug/l	95
22) Diisopropyl ether	6.671	45	119656	18.057	ug/l	94
23) Vinyl Acetate	6.600	43	454755	98.172	ug/l	97
24) 1,1-Dichloroethane	6.565	63	65222	18.654	ug/l	99
25) 2-Butanone	7.483	43	126341	96.145	ug/l	96
26) 2,2-Dichloropropane	7.489	77	58483	18.682	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	42882	19.286	ug/l	97
28) Bromochloromethane	7.812	49	29471	19.880	ug/l	90
29) Tetrahydrofuran	7.836	42	82670	94.079	ug/l	96
30) Chloroform	7.965	83	68649	19.988	ug/l	99
31) Cyclohexane	8.253	56	60698	17.741	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	57708	19.641	ug/l	98
36) 1,1-Dichloropropene	8.371	75	47184	18.989	ug/l	98
37) Ethyl Acetate	7.559	43	52081	19.908	ug/l	99
38) Carbon Tetrachloride	8.359	117	48099	20.326	ug/l	97
39) Methylcyclohexane	9.594	83	53440	18.094	ug/l	99
40) Benzene	8.606	78	155524	19.535	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
 Data File : VN086456.D
 Acq On : 02 May 2025 12:14
 Operator : JC\MD
 Sample : VN0502WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBSD01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/05/2025
 Supervised By :Semsettin Yesilyurt 05/05/2025

Quant Time: May 02 23:14:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	27303	18.008	ug/l	92
42) 1,2-Dichloroethane	8.665	62	52848	20.816	ug/l	100
43) Isopropyl Acetate	8.683	43	102439	20.449	ug/l	98
44) Trichloroethene	9.347	130	37690	19.974	ug/l	92
45) 1,2-Dichloropropane	9.618	63	38031	19.515	ug/l	93
46) Dibromomethane	9.706	93	27118	21.840	ug/l	97
47) Bromodichloromethane	9.888	83	55558	20.717	ug/l	99
48) Methyl methacrylate	9.677	41	42182	18.361	ug/l	95
49) 1,4-Dioxane	9.694	88	17440	446.300	ug/l	95
51) 4-Methyl-2-Pentanone	10.441	43	270141	100.843	ug/l	99
52) Toluene	10.629	92	97386	19.604	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	60763	20.298	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	65001	19.769	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	38097	21.315	ug/l	96
56) Ethyl methacrylate	10.871	69	63046	19.190	ug/l	97
57) 1,3-Dichloropropane	11.159	76	64291	20.274	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	133965	85.912	ug/l	97
59) 2-Hexanone	11.194	43	201227	101.273	ug/l	100
60) Dibromochloromethane	11.353	129	40966	20.873	ug/l	100
61) 1,2-Dibromoethane	11.465	107	38247	21.208	ug/l	99
64) Tetrachloroethene	11.100	164	37604	20.186	ug/l	97
65) Chlorobenzene	11.888	112	107031	19.804	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	36396	20.413	ug/l	98
67) Ethyl Benzene	11.959	91	186400	19.113	ug/l	98
68) m/p-Xylenes	12.071	106	143762	39.341	ug/l	95
69) o-Xylene	12.394	106	71355	19.745	ug/l	97
70) Styrene	12.412	104	117039	19.437	ug/l	99
71) Bromoform	12.576	173	27536	20.513	ug/l #	97
73) Isopropylbenzene	12.694	105	170656	19.179	ug/l	100
74) N-amyl acetate	12.488	43	80233	18.113	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	53786	21.023	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	44872m	17.481	ug/l	
77) Bromobenzene	12.976	156	42151	21.380	ug/l	93
78) n-propylbenzene	13.029	91	197732	18.859	ug/l	100
79) 2-Chlorotoluene	13.123	91	128038	19.515	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	141678	19.454	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	21291	19.920	ug/l	95
82) 4-Chlorotoluene	13.218	91	126883	19.469	ug/l	98
83) tert-Butylbenzene	13.435	119	118858	18.836	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	141655	19.109	ug/l	100
85) sec-Butylbenzene	13.612	105	164745	18.822	ug/l	99
86) p-Isopropyltoluene	13.723	119	136925	18.979	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	75176	20.284	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	76961	20.617	ug/l	98
89) n-Butylbenzene	14.053	91	115942	18.131	ug/l	99
90) Hexachloroethane	14.329	117	22465	18.512	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	74951	20.859	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10823	20.981	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	34482	20.041	ug/l	99
94) Hexachlorobutadiene	15.500	225	12138	18.688	ug/l	96
95) Naphthalene	15.635	128	120282	19.721	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	33027	20.275	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086456.D
Acq On : 02 May 2025 12:14
Operator : JC\MD
Sample : VN0502WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

Quant Time: May 02 23:14:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

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

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

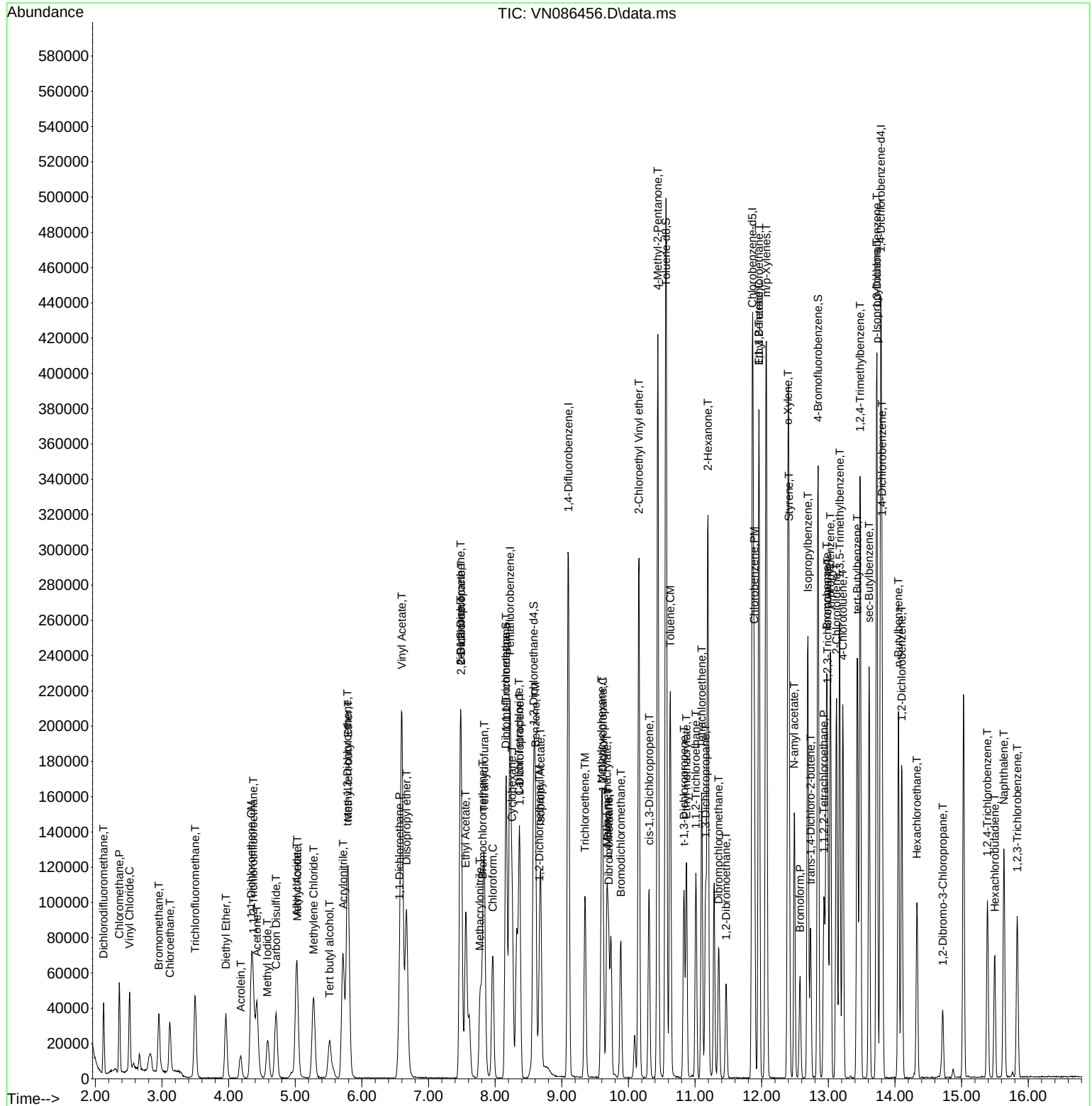
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086456.D
Acq On : 02 May 2025 12:14
Operator : JC\MD
Sample : VN0502WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

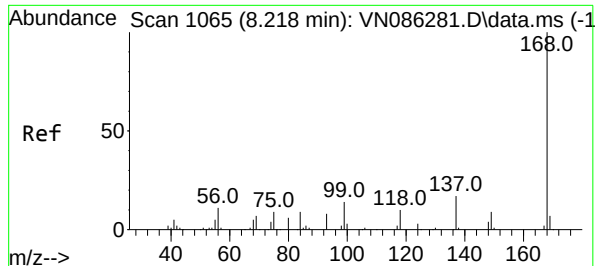
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01

Manual Integrations

Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

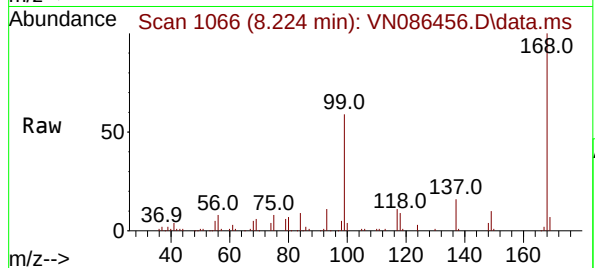
Quant Time: May 02 23:14:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

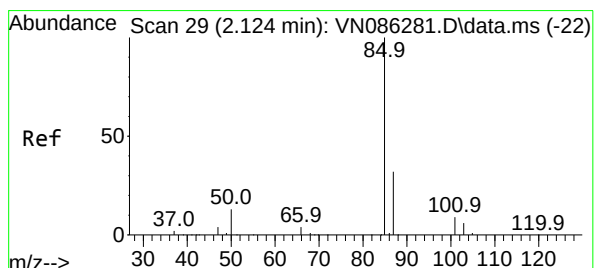
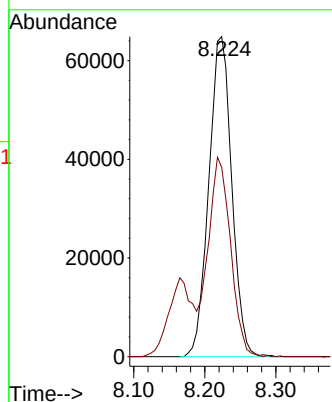
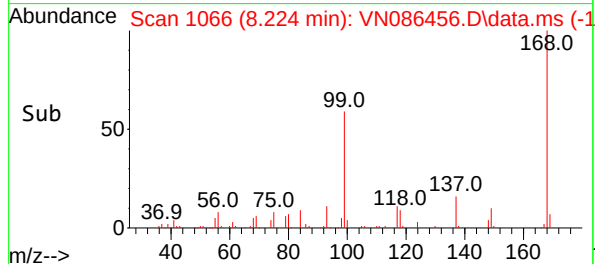
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



Tgt Ion:168 Resp: 145586
Ion Ratio Lower Upper
168 100
99 58.9 52.5 78.7

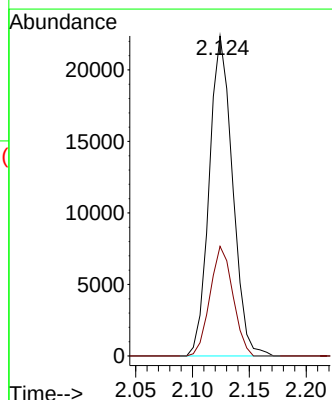
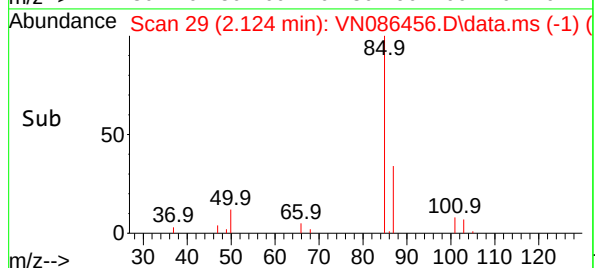
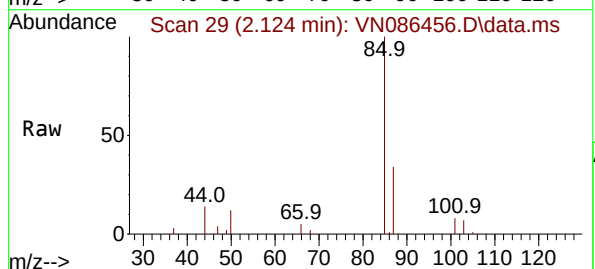
Manual Integrations
APPROVED

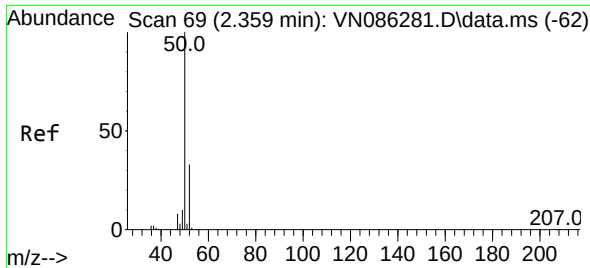
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#2
Dichlorodifluoromethane
Concen: 18.514 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

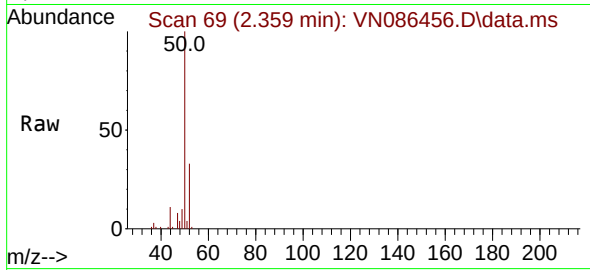
Tgt Ion: 85 Resp: 31952
Ion Ratio Lower Upper
85 100
87 34.3 16.3 48.8





#3
Chloromethane
Concen: 17.330 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

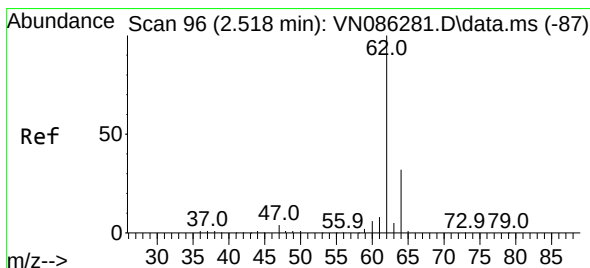
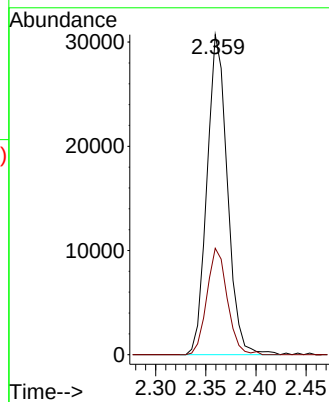
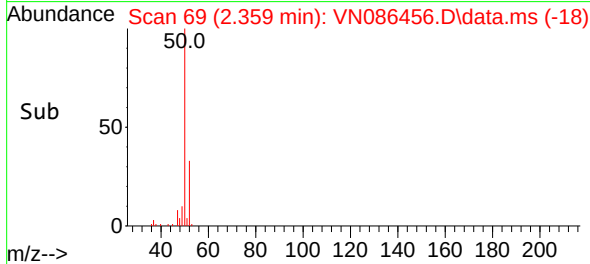
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



Tgt Ion: 50 Resp: 4346
Ion Ratio Lower Upper
50 100
52 33.2 26.5 39.7

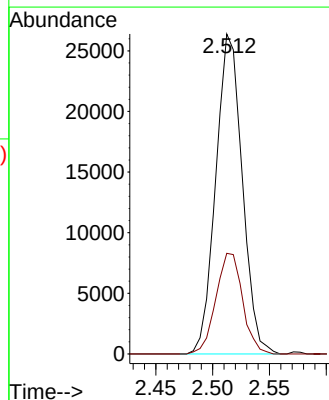
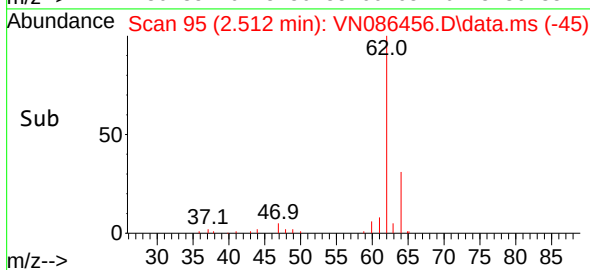
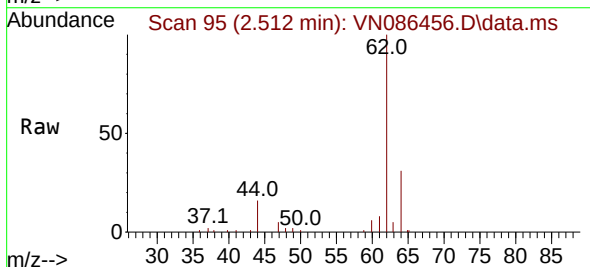
Manual Integrations
APPROVED

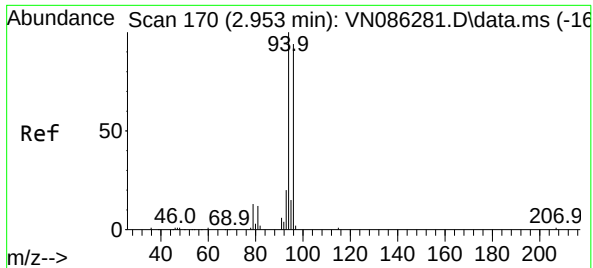
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#4
Vinyl Chloride
Concen: 17.883 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

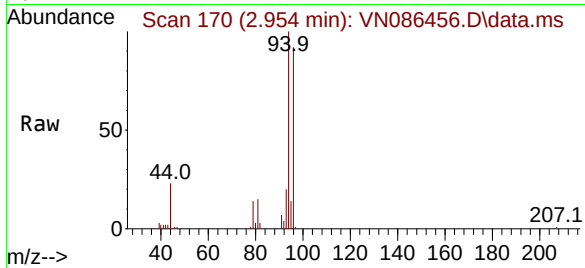
Tgt Ion: 62 Resp: 42804
Ion Ratio Lower Upper
62 100
64 31.5 25.6 38.4





#5
Bromomethane
Concen: 23.790 ug/l
RT: 2.954 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

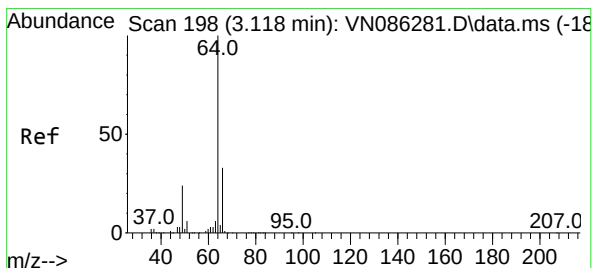
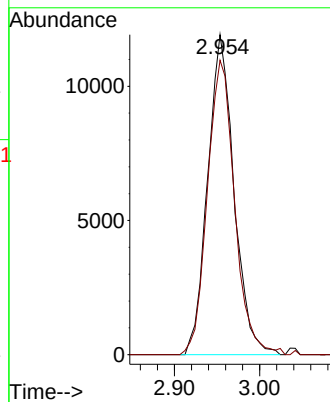
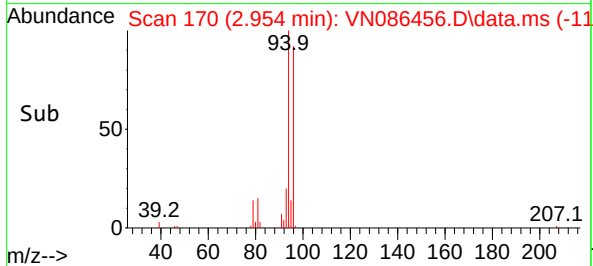
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



Tgt Ion: 94 Resp: 2561
Ion Ratio Lower Upper
94 100
96 92.0 75.2 112.8

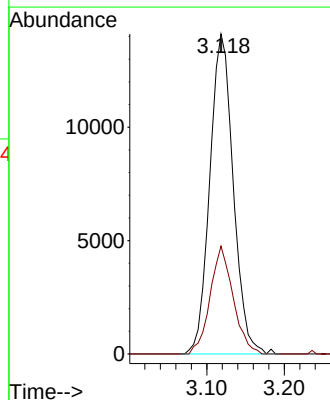
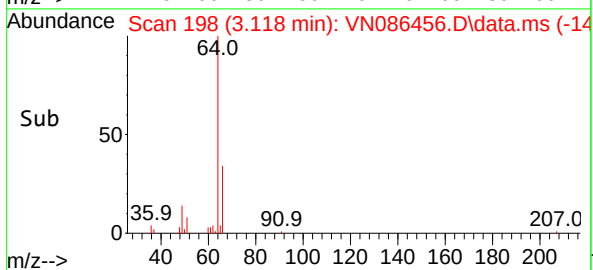
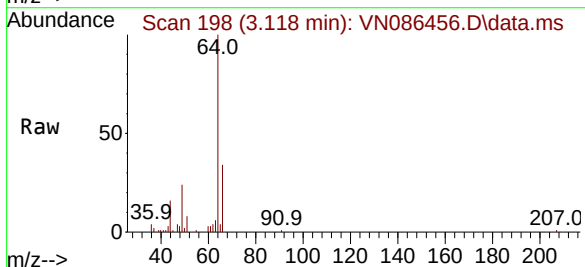
Manual Integrations
APPROVED

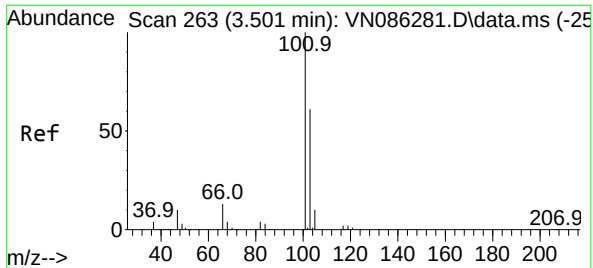
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#6
Chloroethane
Concen: 18.518 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

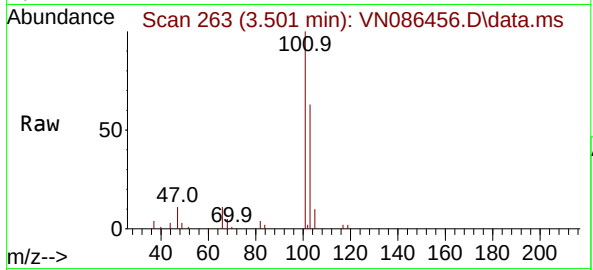
Tgt Ion: 64 Resp: 29664
Ion Ratio Lower Upper
64 100
66 33.7 26.2 39.2





#7
Trichlorofluoromethane
Concen: 19.636 ug/l
RT: 3.501 min Scan# 263
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

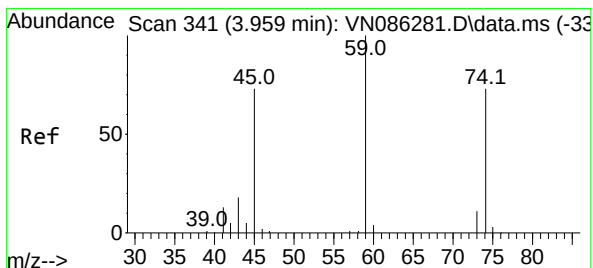
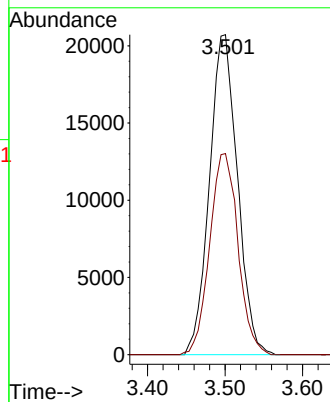
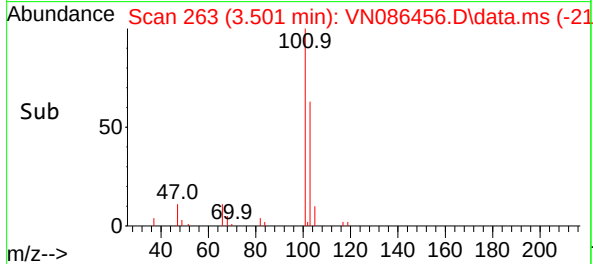
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



Tgt Ion:101 Resp: 52060
Ion Ratio Lower Upper
101 100
103 62.8 49.2 73.8

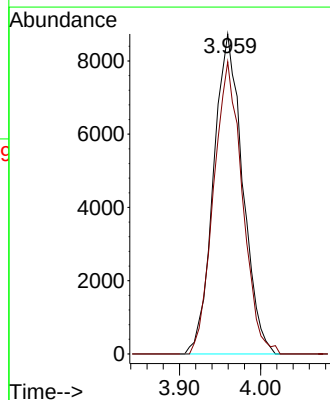
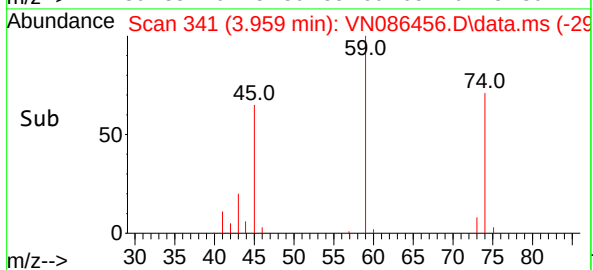
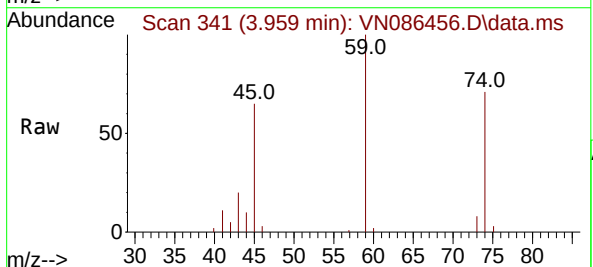
Manual Integrations
APPROVED

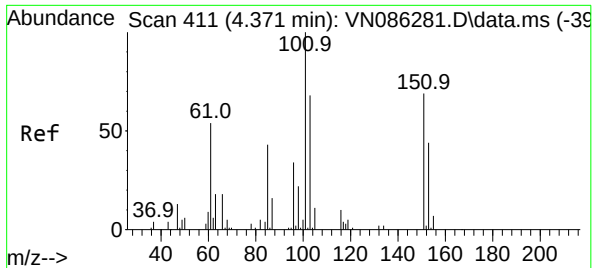
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#8
Diethyl Ether
Concen: 18.849 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

Tgt Ion: 74 Resp: 21816
Ion Ratio Lower Upper
74 100
45 89.9 48.0 144.2





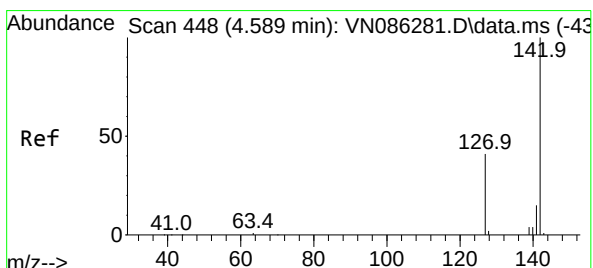
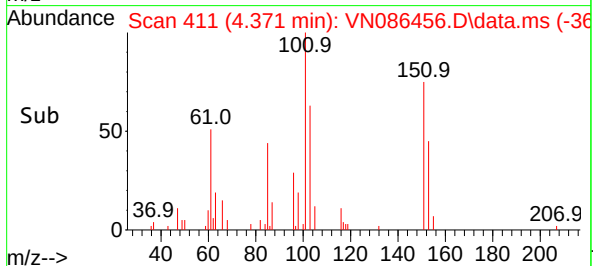
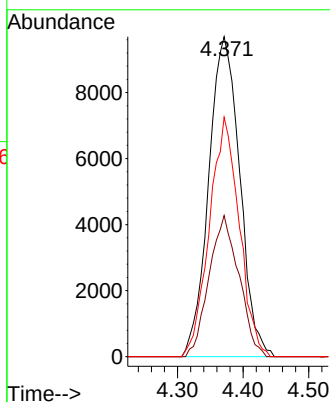
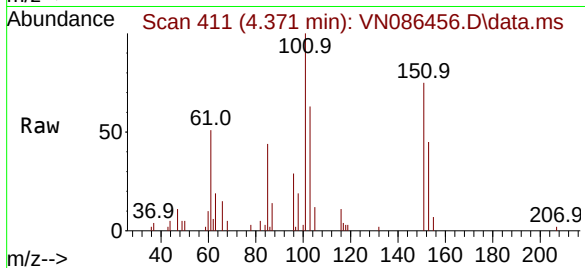
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.874 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01

Tgt Ion:101 Resp: 3187
Ion Ratio Lower Upper
101 100
85 42.4 34.7 52.1
151 71.7 56.1 84.1

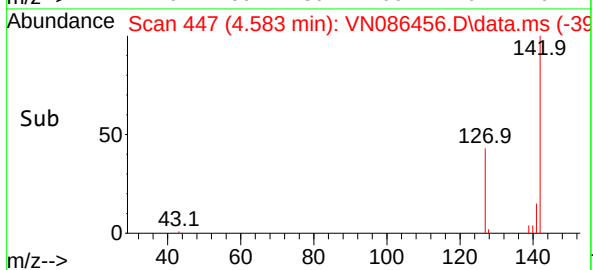
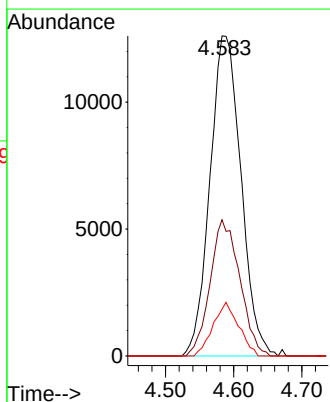
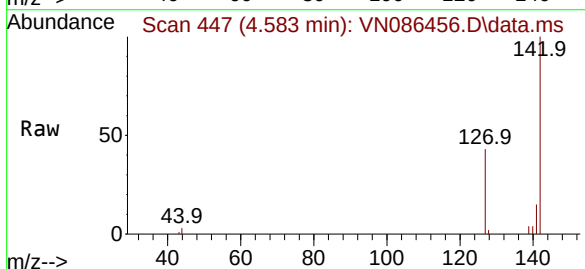
Manual Integrations
APPROVED

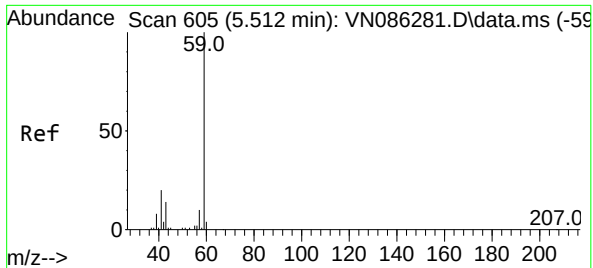
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#10
Methyl Iodide
Concen: 22.662 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.006 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

Tgt Ion:142 Resp: 39960
Ion Ratio Lower Upper
142 100
127 42.6 32.7 49.1
141 14.7 11.7 17.5





#11

Tert butyl alcohol

Concen: 106.243 ug/l

RT: 5.512 min Scan# 605

Delta R.T. 0.000 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBSD01

Tgt Ion: 59 Resp: 40924

Ion Ratio Lower Upper

59 100

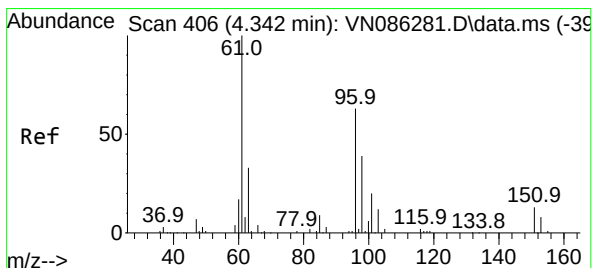
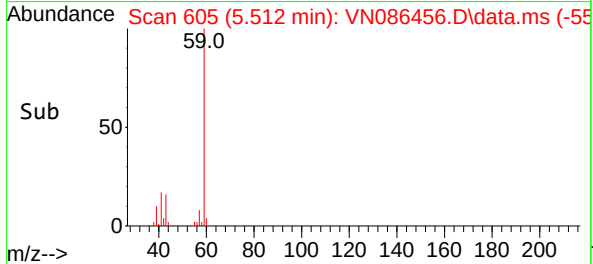
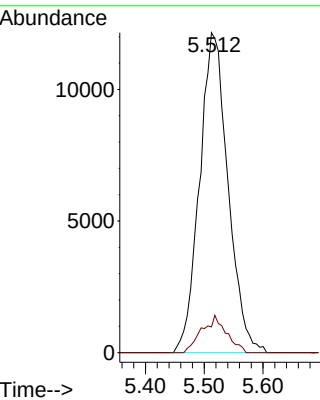
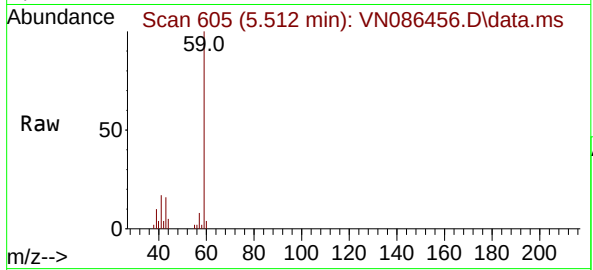
57 10.0 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#12

1,1-Dichloroethene

Concen: 18.010 ug/l

RT: 4.342 min Scan# 406

Delta R.T. 0.000 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

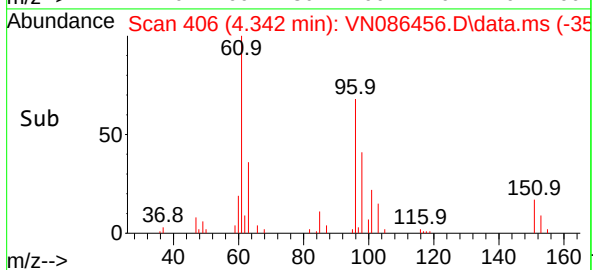
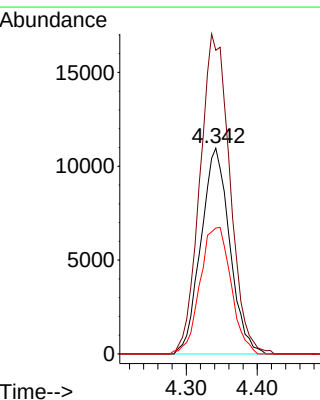
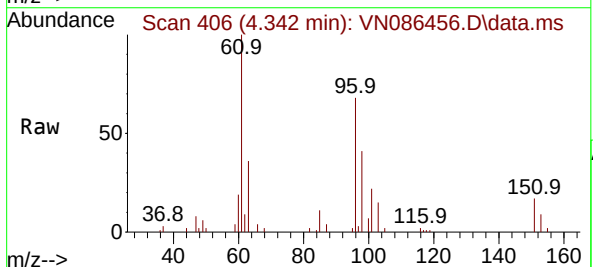
Tgt Ion: 96 Resp: 30861

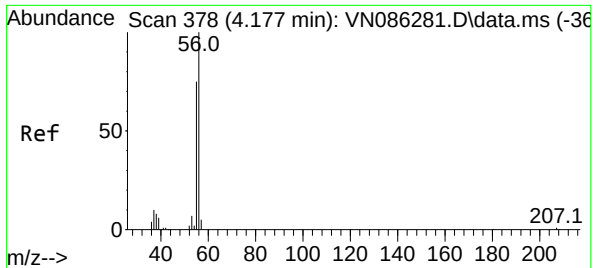
Ion Ratio Lower Upper

96 100

61 147.7 126.6 189.8

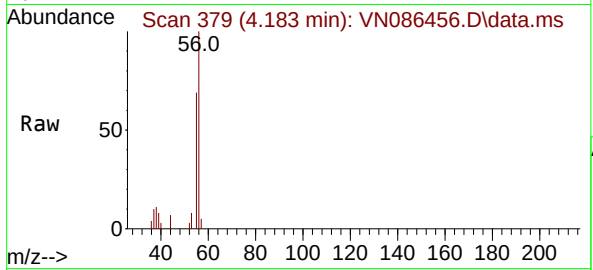
98 61.2 49.6 74.4





#13
Acrolein
Concen: 83.614 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

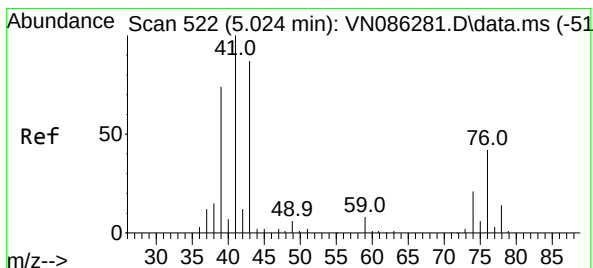
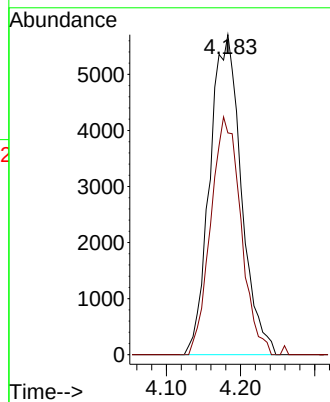
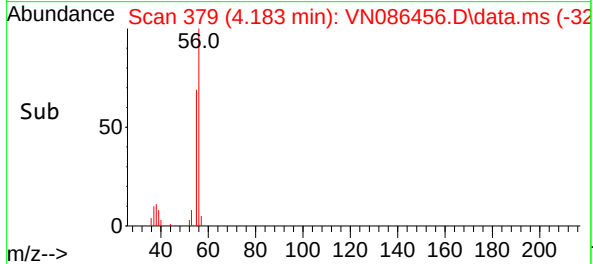
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



Tgt Ion: 56 Resp: 1682
Ion Ratio Lower Upper
56 100
55 71.4 58.5 87.7

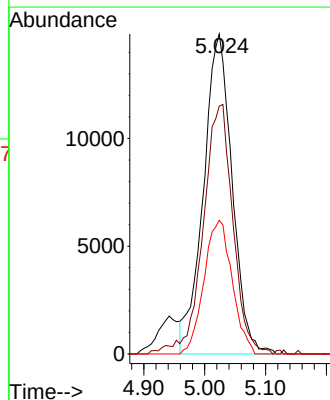
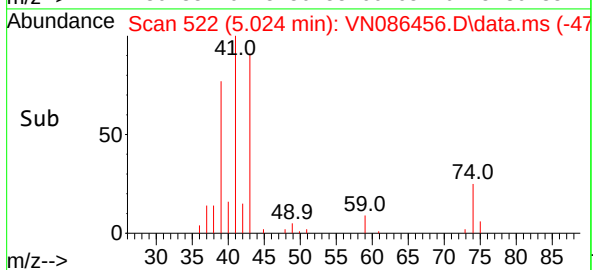
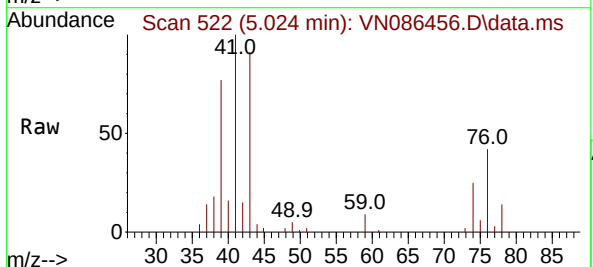
Manual Integrations
APPROVED

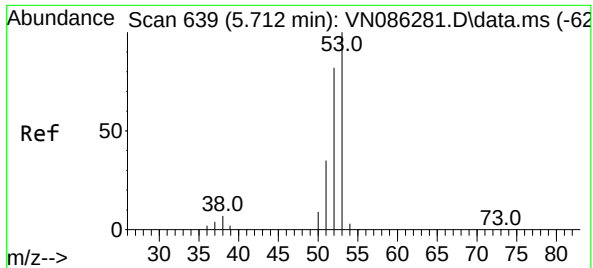
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#14
Allyl chloride
Concen: 15.990 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

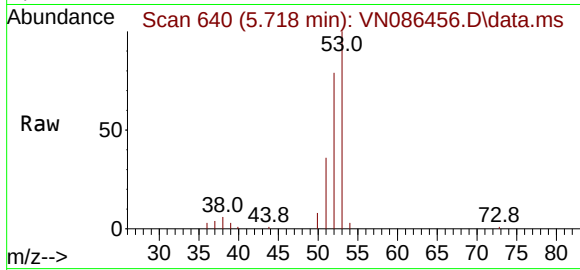
Tgt Ion: 41 Resp: 48708
Ion Ratio Lower Upper
41 100
39 80.7 59.2 88.8
76 40.8 31.2 46.8





#15
Acrylonitrile
Concen: 99.865 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

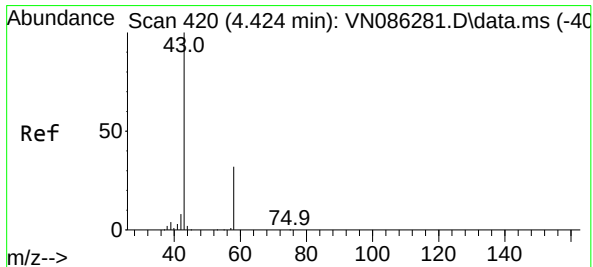
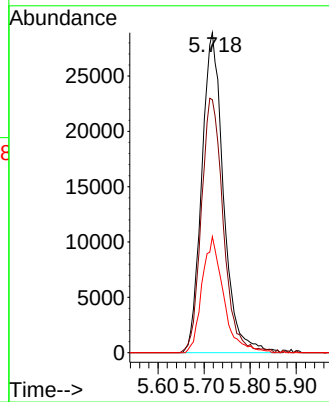
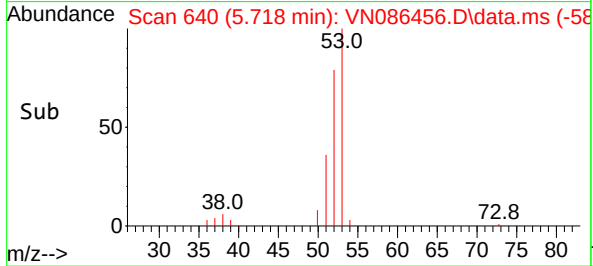
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



Tgt Ion: 53 Resp: 9509
Ion Ratio Lower Upper
53 100
52 80.2 65.5 98.3
51 35.8 28.6 42.8

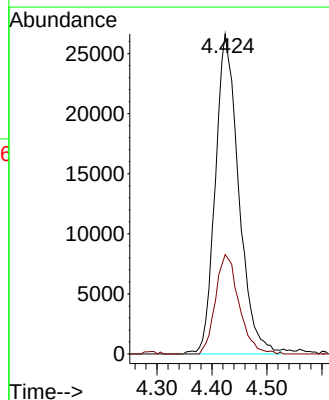
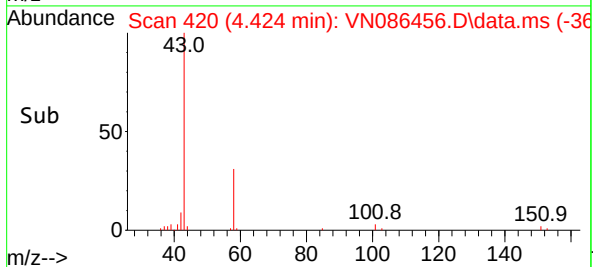
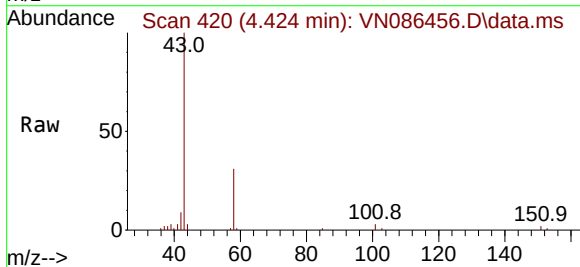
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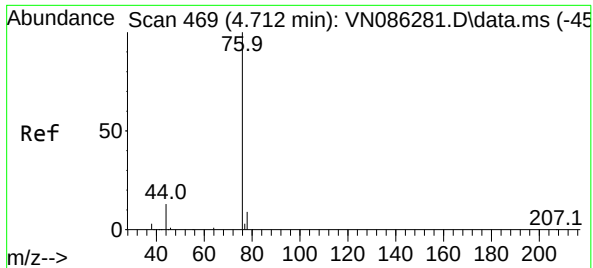
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#16
Acetone
Concen: 104.683 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

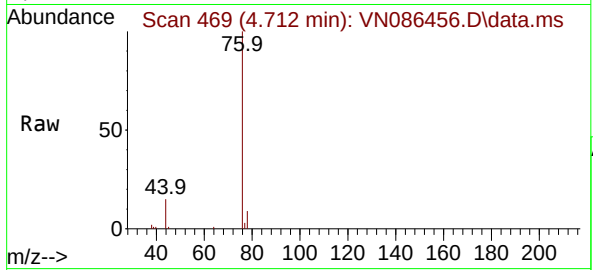
Tgt Ion: 43 Resp: 78830
Ion Ratio Lower Upper
43 100
58 31.1 25.3 37.9





#17
Carbon Disulfide
Concen: 16.720 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

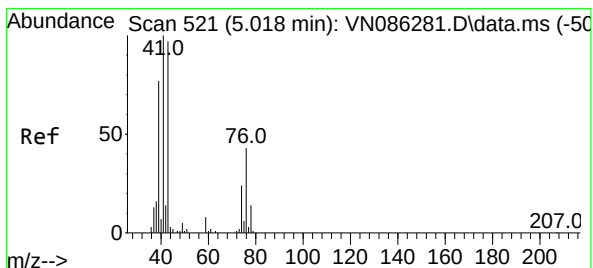
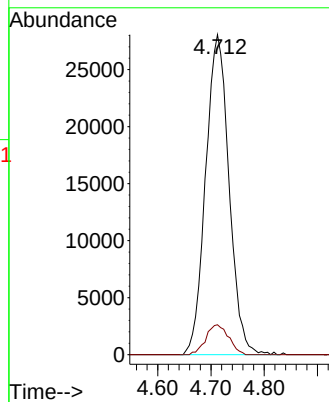
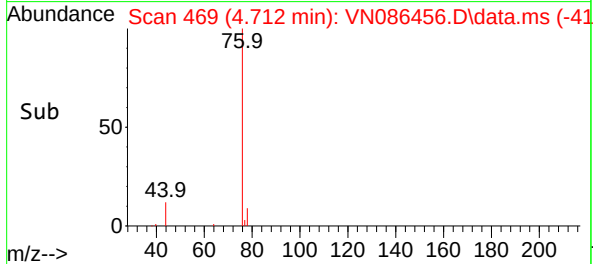
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



Tgt Ion: 76 Resp: 8578
Ion Ratio Lower Upper
76 100
78 9.4 7.6 11.4

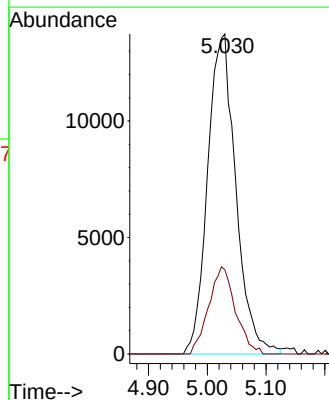
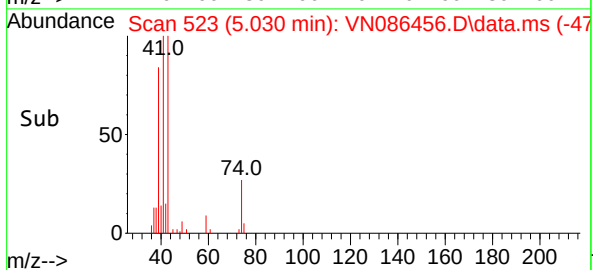
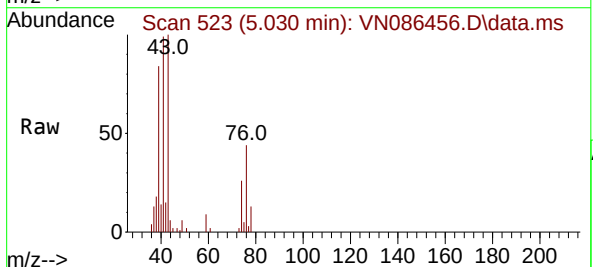
Manual Integrations
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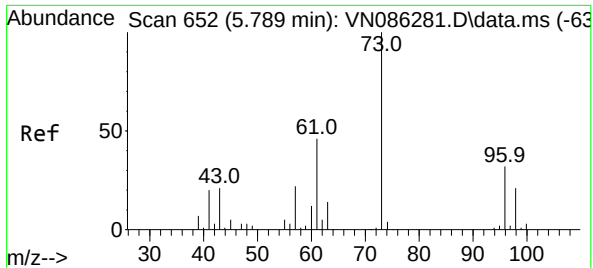
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#18
Methyl Acetate
Concen: 18.053 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

Tgt Ion: 43 Resp: 45750
Ion Ratio Lower Upper
43 100
74 25.8 19.8 29.6





#19

Methyl tert-butyl Ether

Concen: 19.246 ug/l

RT: 5.794 min Scan# 61

Delta R.T. 0.006 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBSD01

Tgt Ion: 73 Resp: 121220

Ion Ratio Lower Upper

73 100

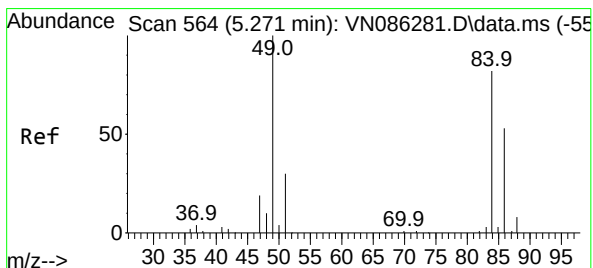
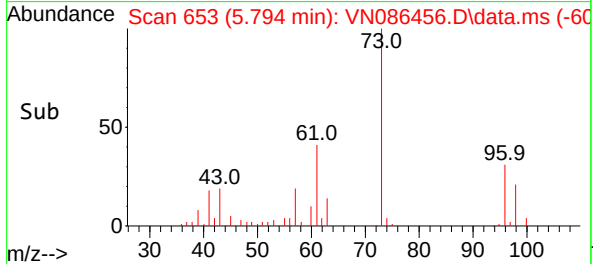
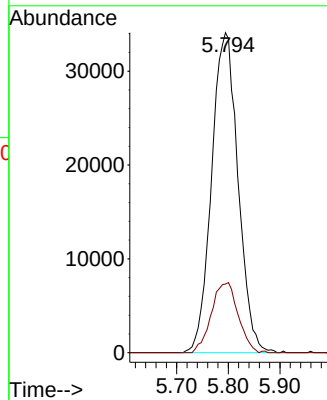
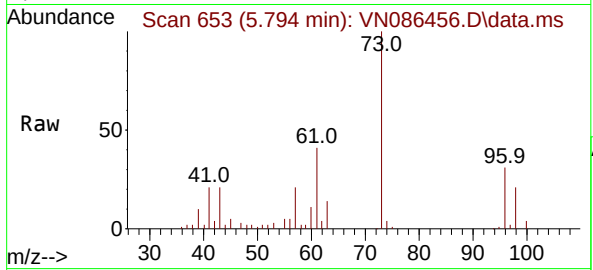
57 21.4 17.6 26.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#20

Methylene Chloride

Concen: 19.351 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.006 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

Tgt Ion: 84 Resp: 37768

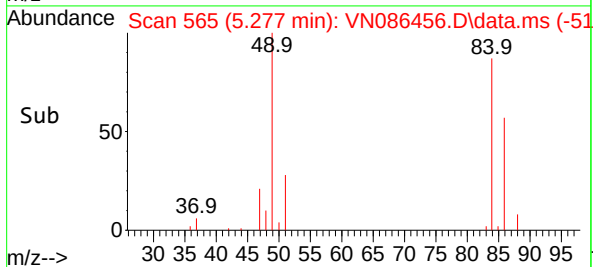
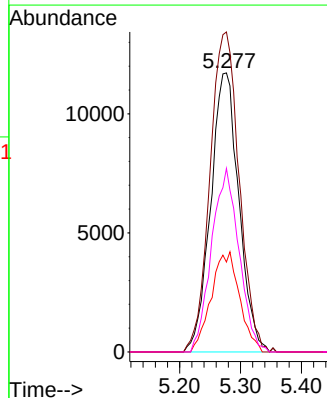
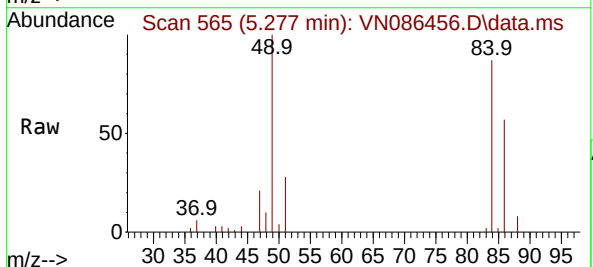
Ion Ratio Lower Upper

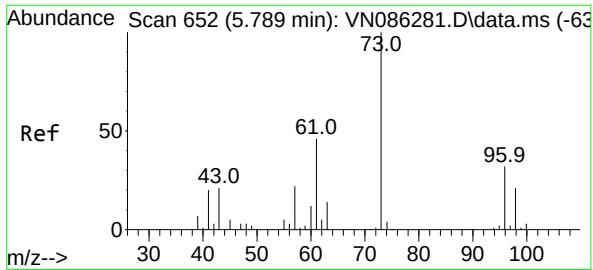
84 100

49 114.7 98.2 147.2

51 32.2 29.8 44.6

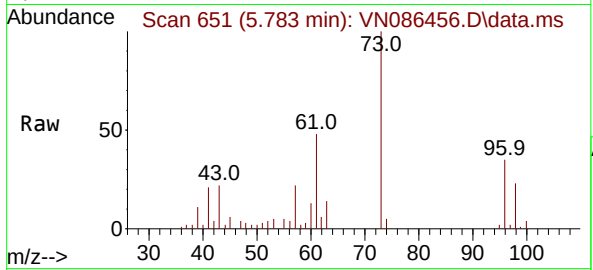
86 65.8 52.0 78.0





#21
trans-1,2-Dichloroethene
Concen: 19.392 ug/l
RT: 5.783 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

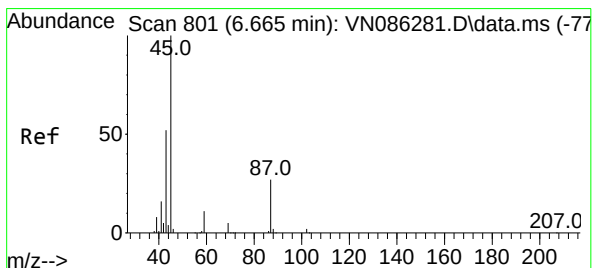
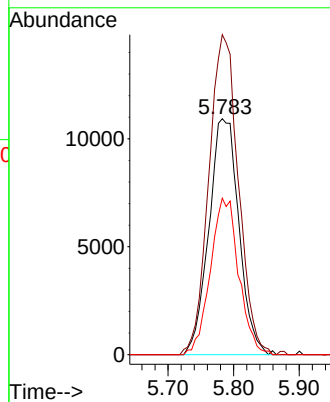
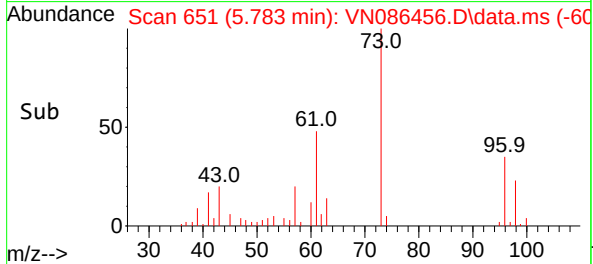
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



Tgt Ion: 96 Resp: 34740
Ion Ratio Lower Upper
96 100
61 135.6 114.6 171.8
98 66.3 51.2 76.8

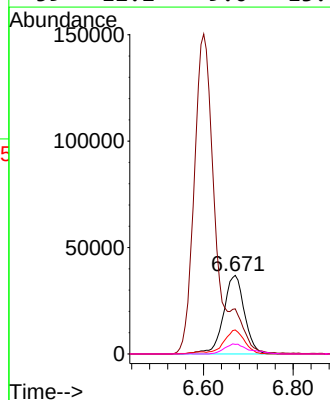
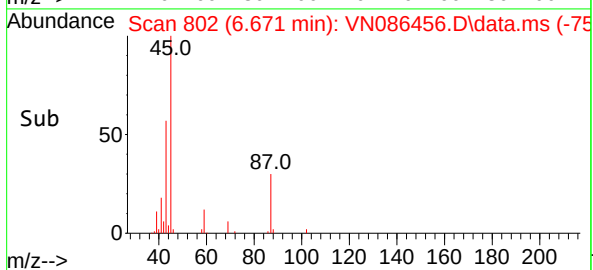
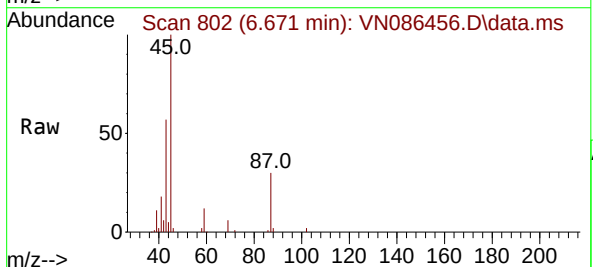
Manual Integrations
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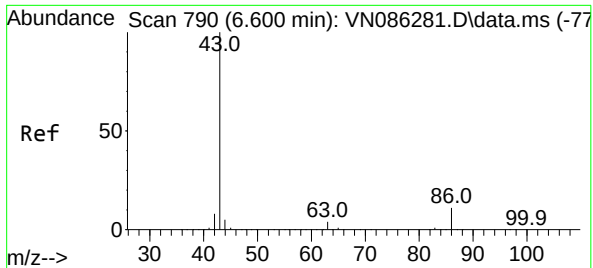
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#22
Diisopropyl ether
Concen: 18.057 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

Tgt Ion: 45 Resp: 119656
Ion Ratio Lower Upper
45 100
43 56.4 41.8 62.8
87 30.5 21.6 32.4
59 12.2 9.0 13.4





#23

Vinyl Acetate

Concen: 98.172 ug/l

RT: 6.600 min Scan# 790

Delta R.T. 0.000 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBSD01

Tgt Ion: 43 Resp: 45475

Ion Ratio Lower Upper

43 100

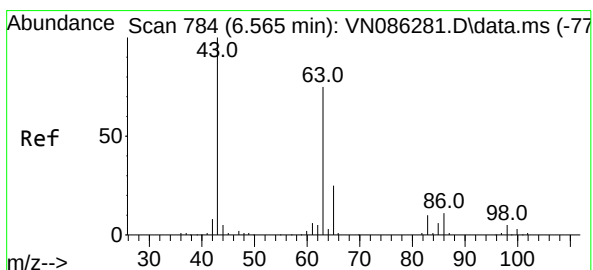
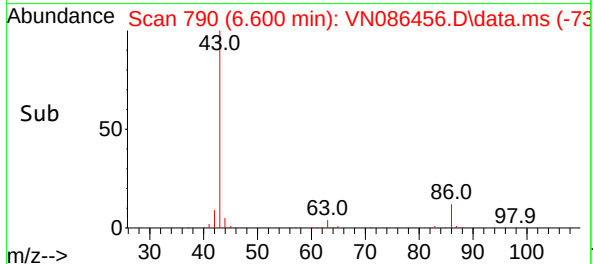
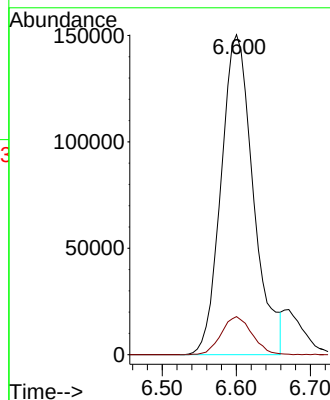
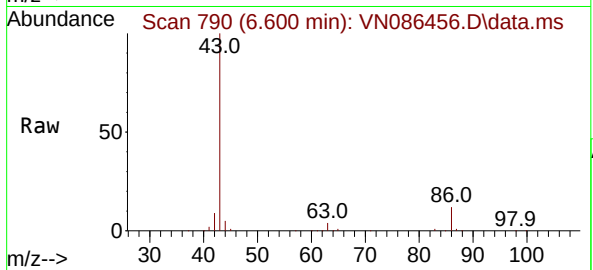
86 11.9 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#24

1,1-Dichloroethane

Concen: 18.654 ug/l

RT: 6.565 min Scan# 784

Delta R.T. 0.000 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

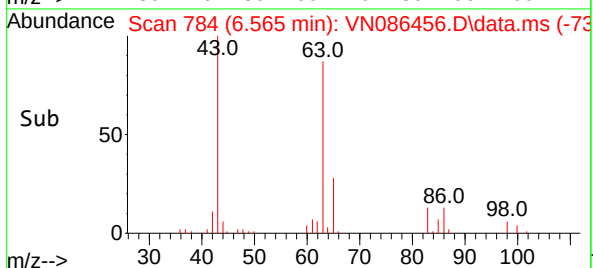
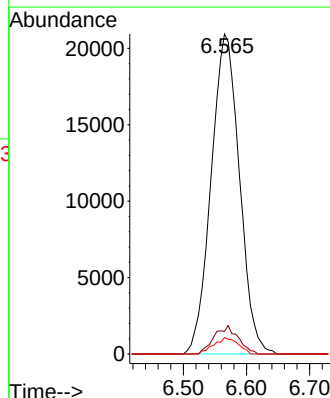
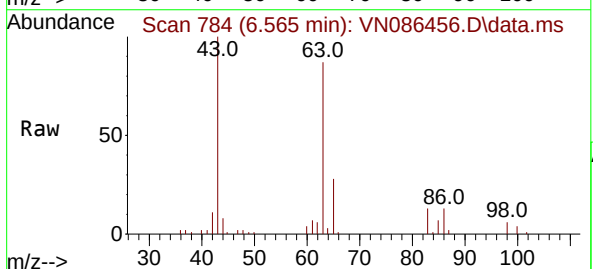
Tgt Ion: 63 Resp: 65222

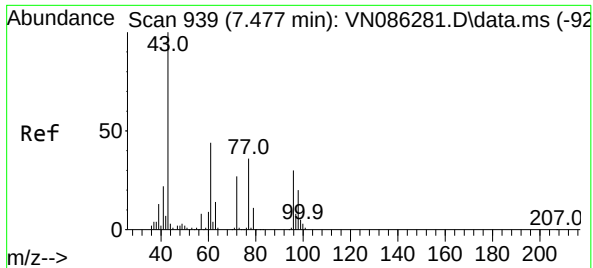
Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.2

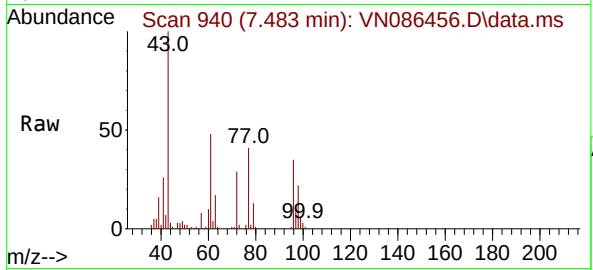
100 5.1 2.1 6.5





#25
2-Butanone
Concen: 96.145 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

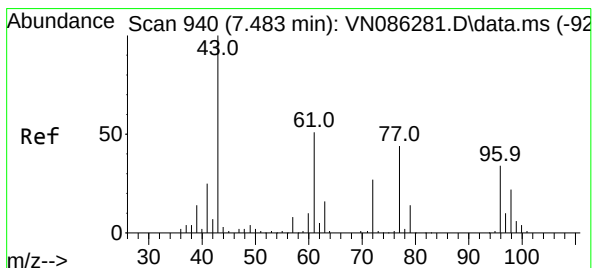
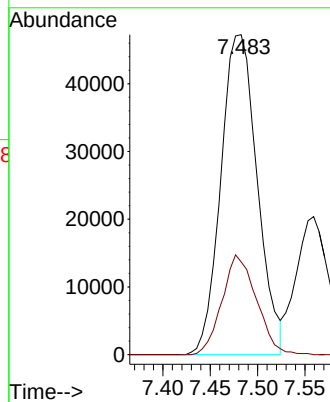
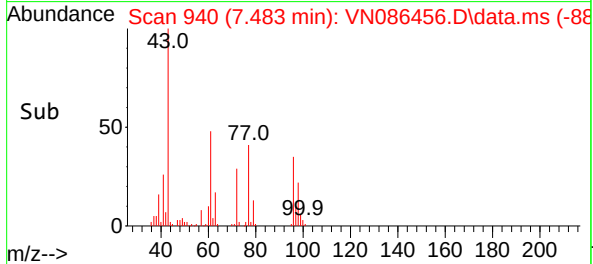
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



Tgt Ion: 43 Resp: 12634
Ion Ratio Lower Upper
43 100
72 29.0 21.7 32.5

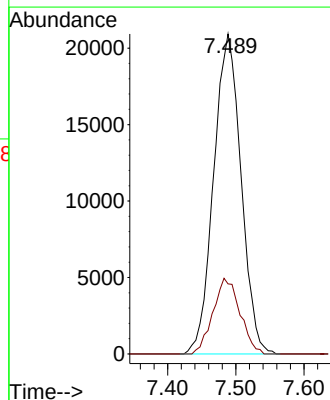
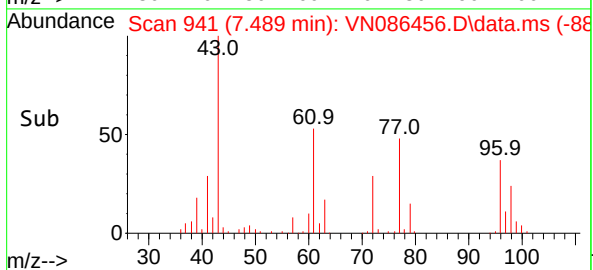
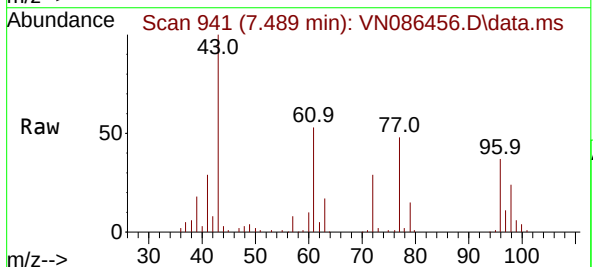
Manual Integrations
APPROVED

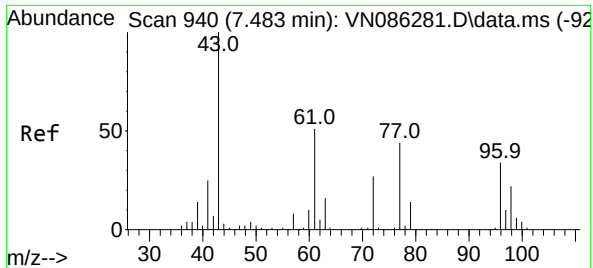
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#26
2,2-Dichloropropane
Concen: 18.682 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

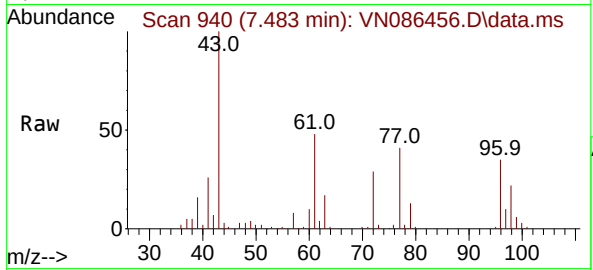
Tgt Ion: 77 Resp: 58483
Ion Ratio Lower Upper
77 100
97 23.3 11.2 33.5





#27
cis-1,2-Dichloroethene
Concen: 19.286 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

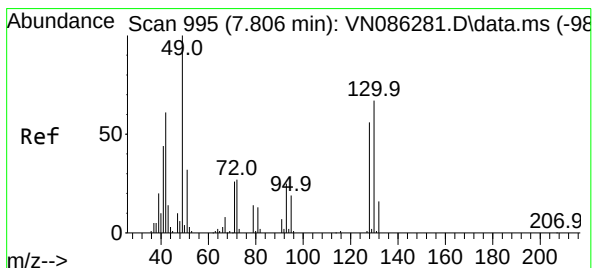
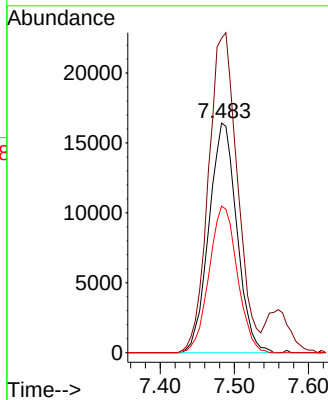
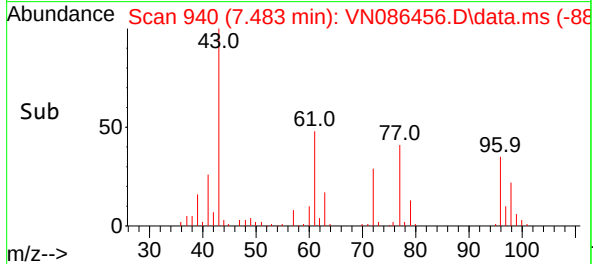
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



Tgt Ion: 96 Resp: 4288
Ion Ratio Lower Upper
96 100
61 145.0 0.0 299.0
98 64.6 0.0 129.6

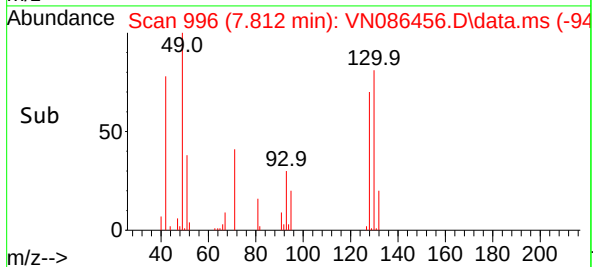
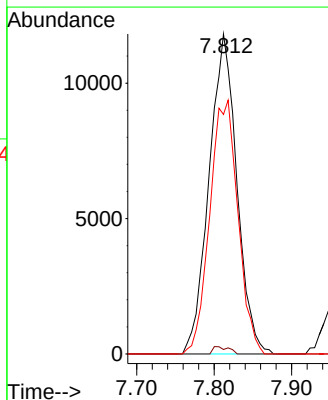
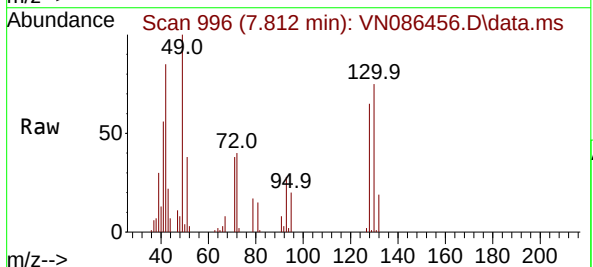
Manual Integrations
APPROVED

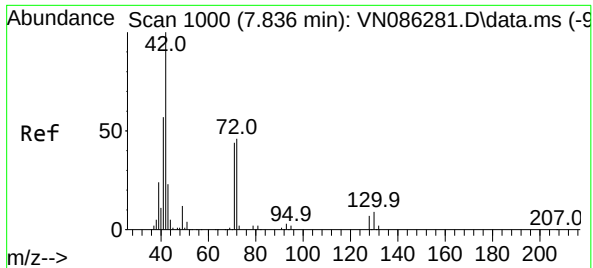
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#28
Bromochloromethane
Concen: 19.880 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

Tgt Ion: 49 Resp: 29471
Ion Ratio Lower Upper
49 100
129 1.3 0.0 3.4
130 80.3 57.1 85.7





#29

Tetrahydrofuran

Concen: 94.079 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBSD01

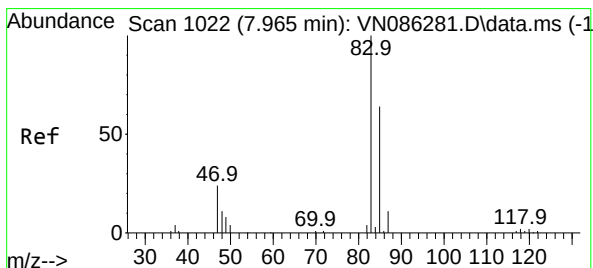
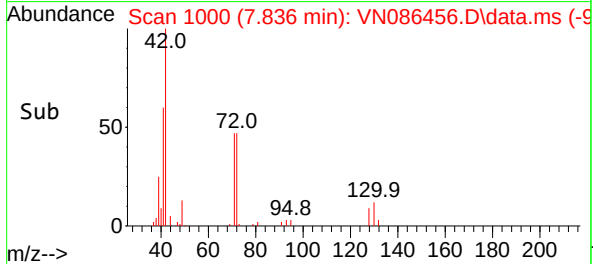
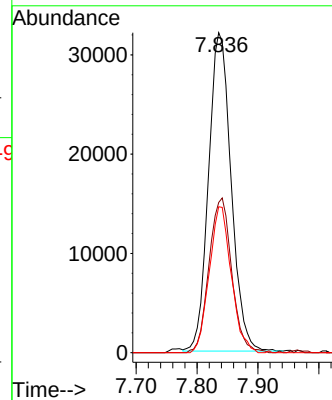
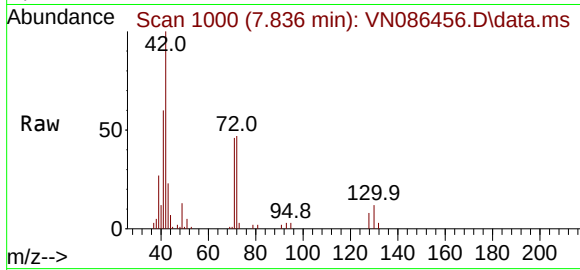
Tgt Ion:	42	Resp:	82670
Ion	Ratio	Lower	Upper
42	100		
72	48.7	36.2	54.4
71	44.6	34.0	51.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#30

Chloroform

Concen: 19.988 ug/l

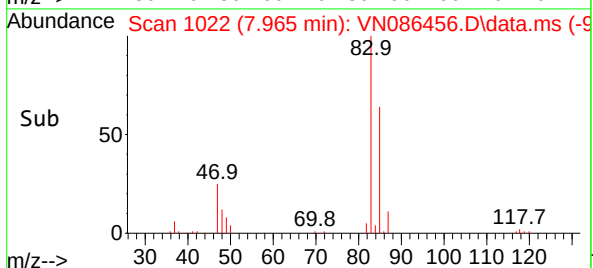
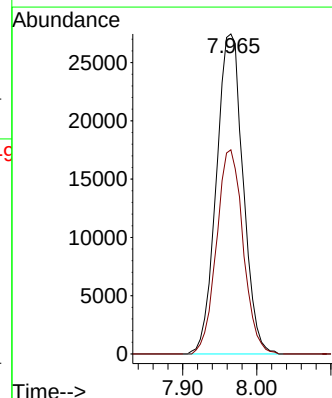
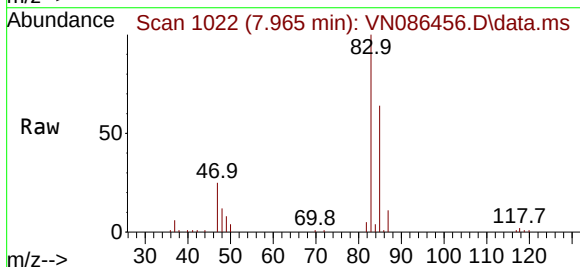
RT: 7.965 min Scan# 1022

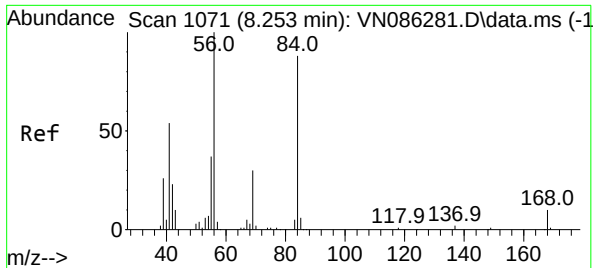
Delta R.T. 0.000 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

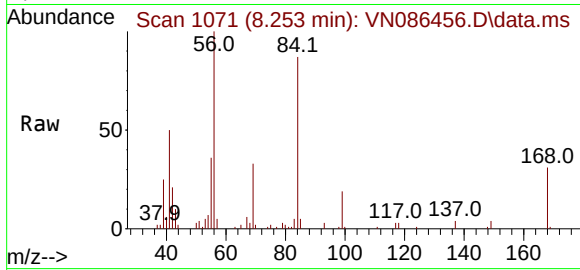
Tgt Ion:	83	Resp:	68649
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.5	77.3





#31
Cyclohexane
Concen: 17.741 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

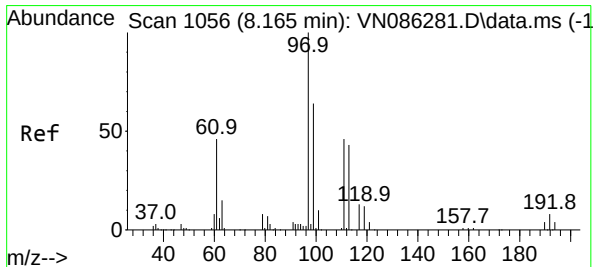
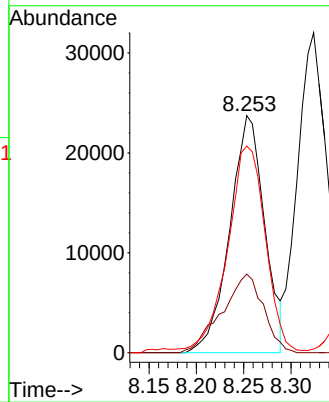
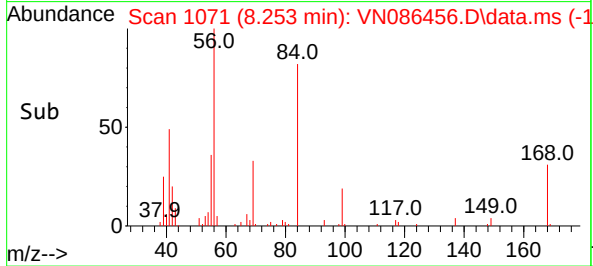
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



Tgt Ion: 56 Resp: 60698
Ion Ratio Lower Upper
56 100
69 33.2 24.2 36.2
84 85.5 70.3 105.5

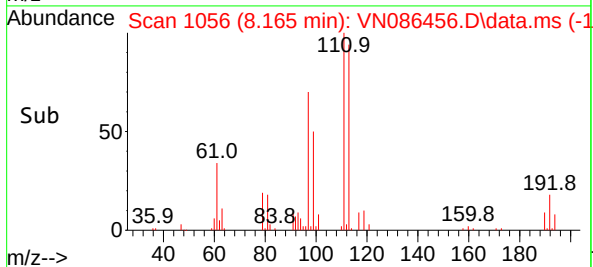
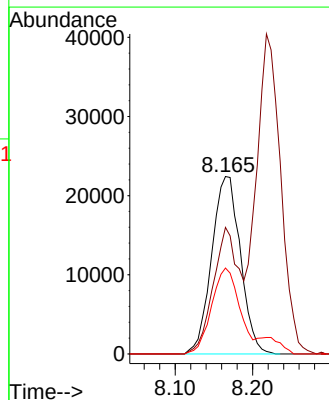
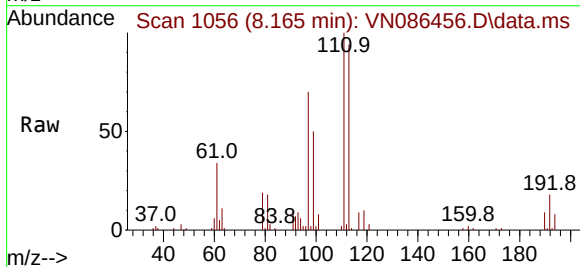
Manual Integrations
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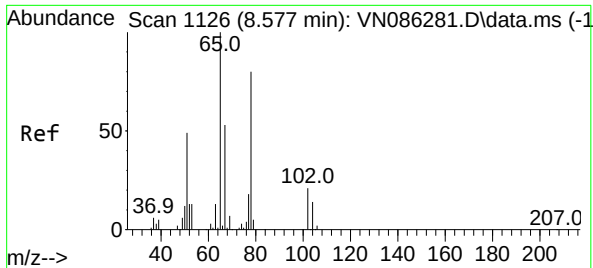
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#32
1,1,1-Trichloroethane
Concen: 19.641 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

Tgt Ion: 97 Resp: 57708
Ion Ratio Lower Upper
97 100
99 63.9 52.7 79.1
61 48.1 39.5 59.3





#33

1,2-Dichloroethane-d4

Concen: 56.367 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBSD01

Tgt Ion: 65 Resp: 118998

Ion Ratio Lower Upper

65 100

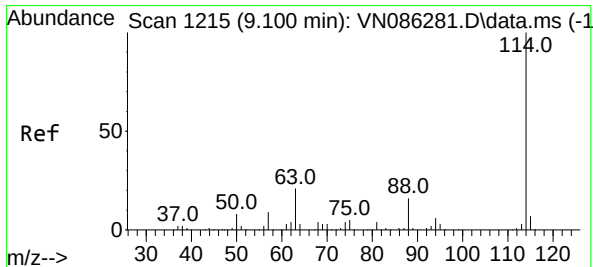
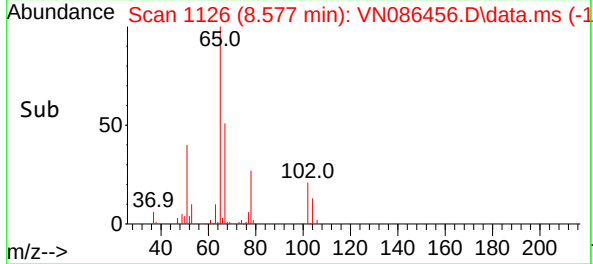
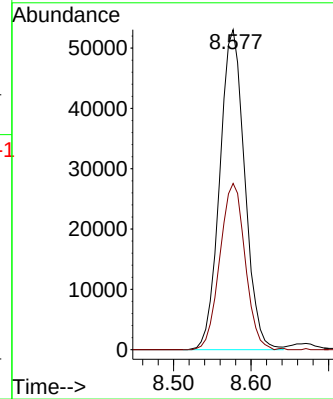
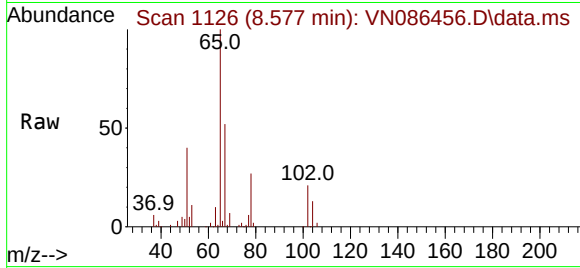
67 52.5 0.0 106.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

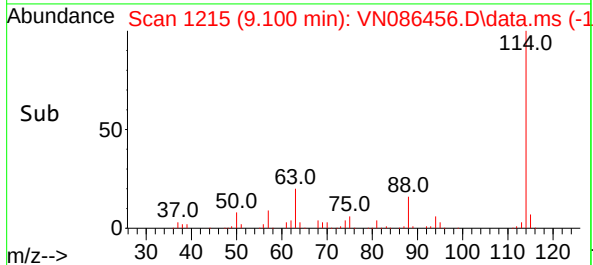
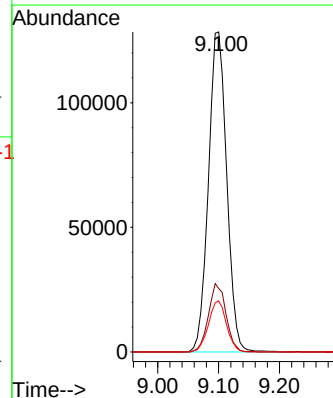
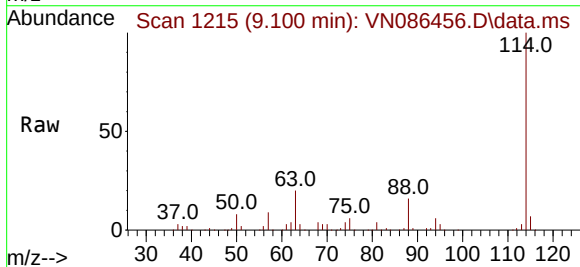
Tgt Ion:114 Resp: 268054

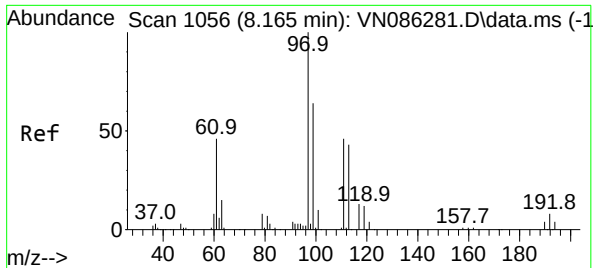
Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.6

88 16.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 60.206 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBSD01

Tgt Ion:113 Resp: 7490

Ion Ratio Lower Upper

113 100

111 103.6 83.4 125.0

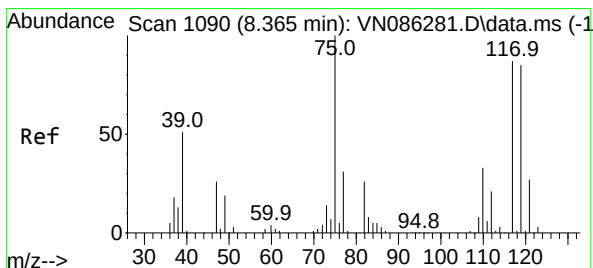
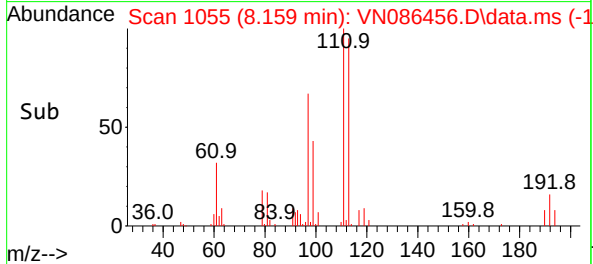
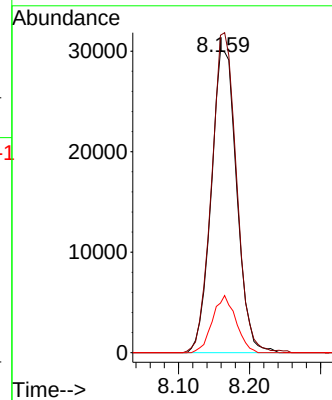
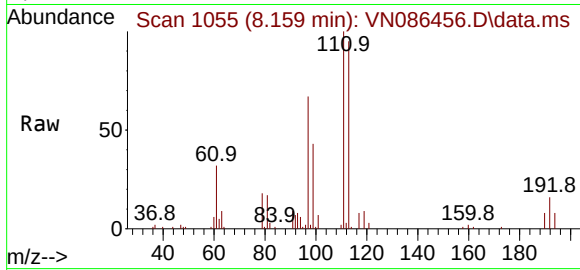
192 17.4 13.7 20.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#36

1,1-Dichloropropene

Concen: 18.989 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

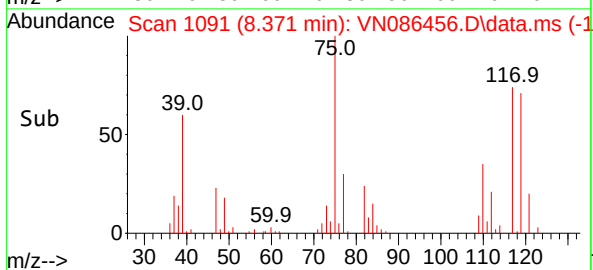
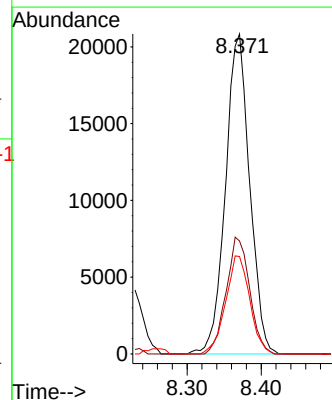
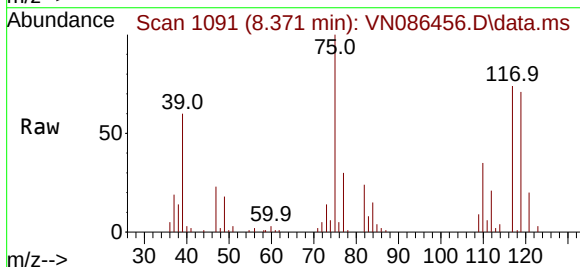
Tgt Ion: 75 Resp: 47184

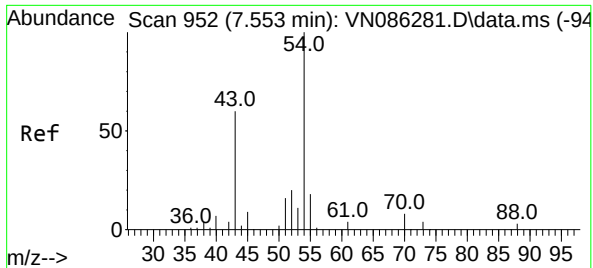
Ion Ratio Lower Upper

75 100

110 35.5 16.8 50.4

77 30.6 24.9 37.3





#37

Ethyl Acetate

Concen: 19.908 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBSD01

Tgt Ion: 43 Resp: 5208

Ion Ratio Lower Upper

43 100

61 13.2 11.1 16.7

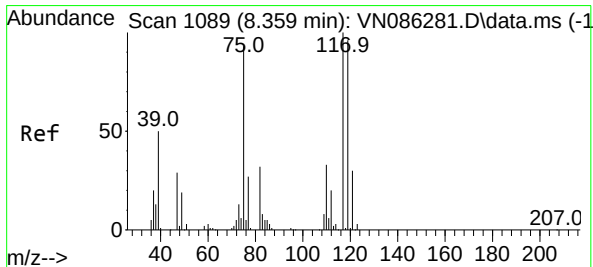
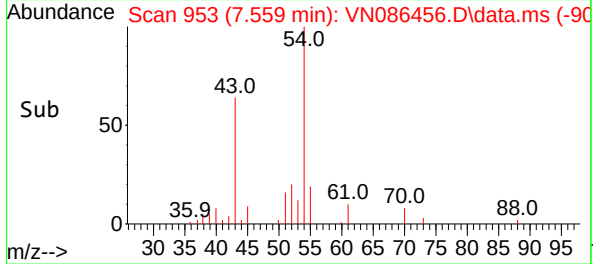
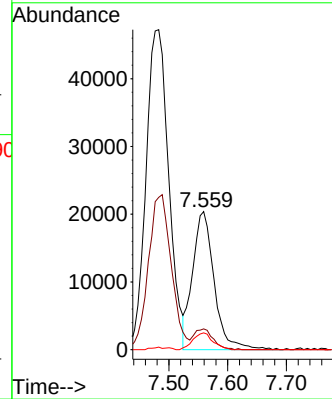
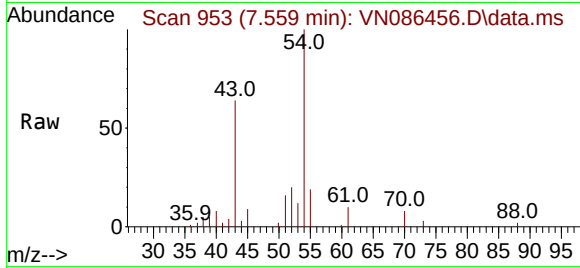
70 11.3 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#38

Carbon Tetrachloride

Concen: 20.326 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

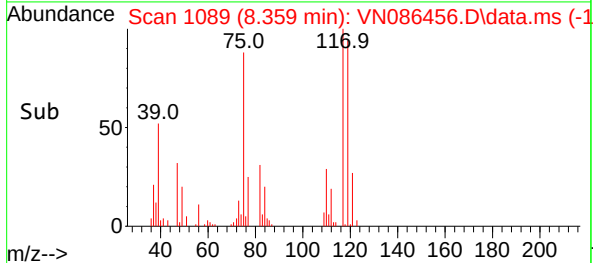
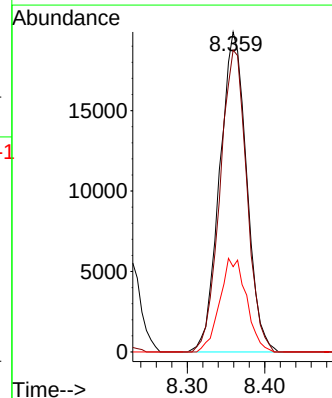
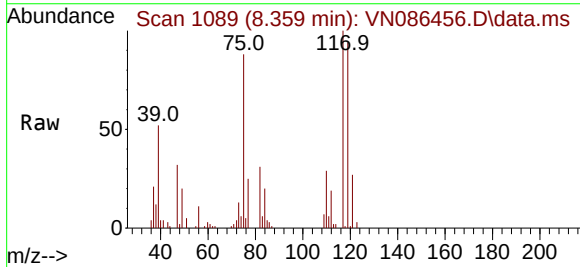
Tgt Ion:117 Resp: 48099

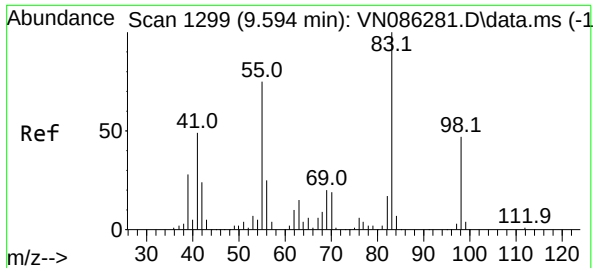
Ion Ratio Lower Upper

117 100

119 94.4 76.8 115.2

121 26.7 23.8 35.8





#39

Methylcyclohexane

Concen: 18.094 ug/l

RT: 9.594 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBSD01

Tgt Ion: 83 Resp: 53440

Ion Ratio Lower Upper

83 100

55 75.7 59.8 89.8

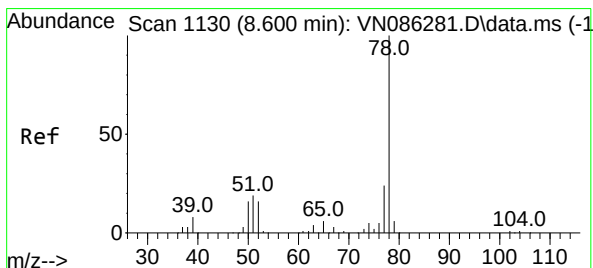
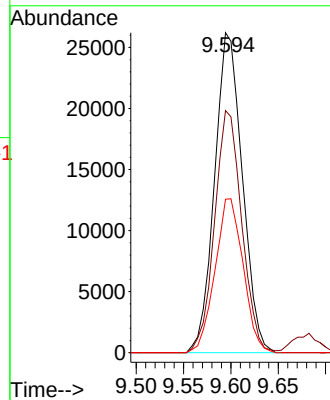
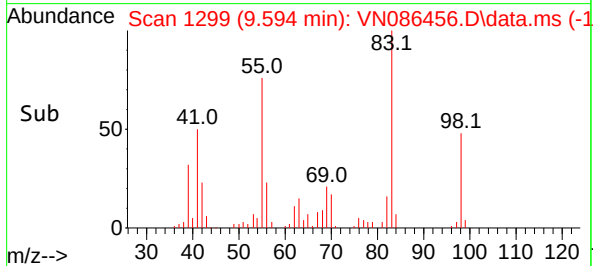
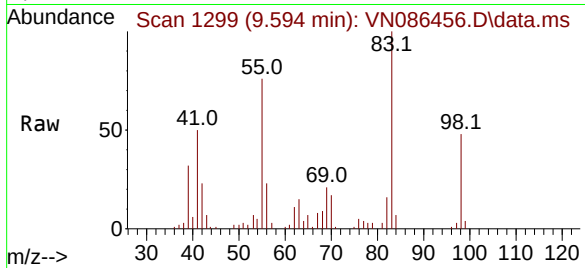
98 48.0 37.9 56.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#40

Benzene

Concen: 19.535 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN086456.D

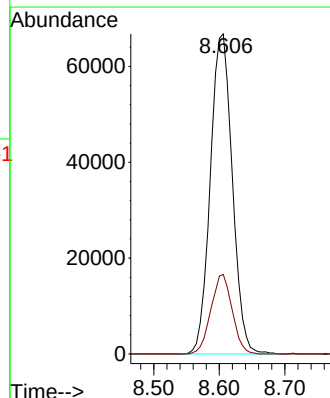
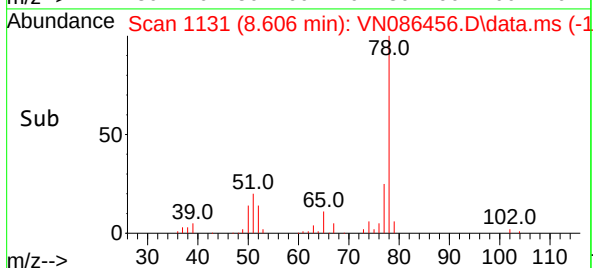
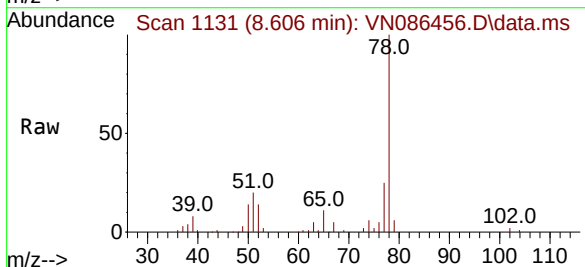
Acq: 02 May 2025 12:14

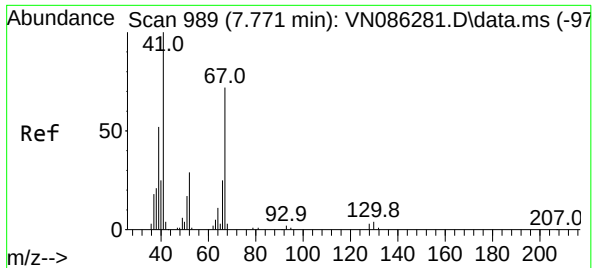
Tgt Ion: 78 Resp: 155524

Ion Ratio Lower Upper

78 100

77 24.9 19.4 29.2





#41

Methacrylonitrile

Concen: 18.008 ug/l

RT: 7.771 min Scan# 989

Delta R.T. 0.000 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBSD01

Tgt Ion: 41 Resp: 2730

Ion Ratio Lower Upper

41 100

39 60.3 43.0 64.4

67 79.5 58.8 88.2

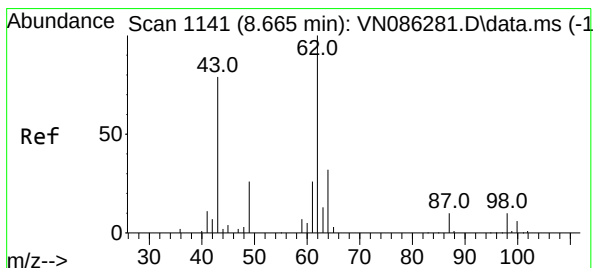
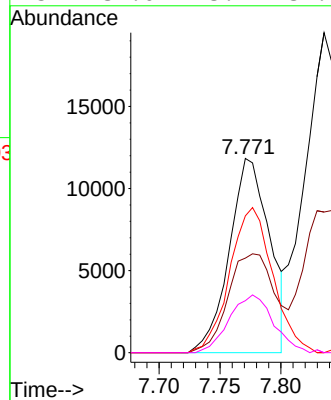
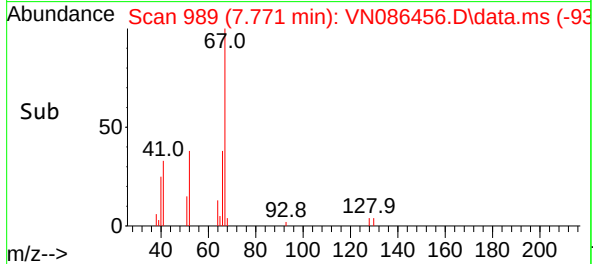
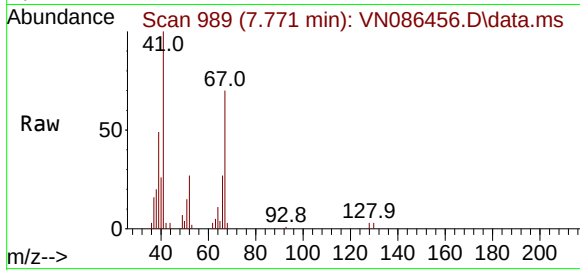
52 32.6 23.2 34.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#42

1,2-Dichloroethane

Concen: 20.816 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.000 min

Lab File: VN086456.D

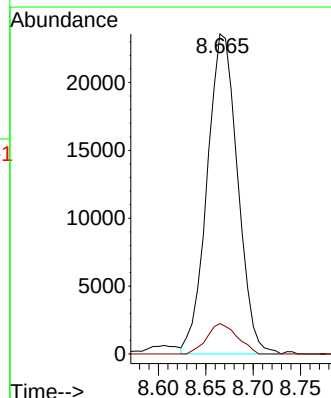
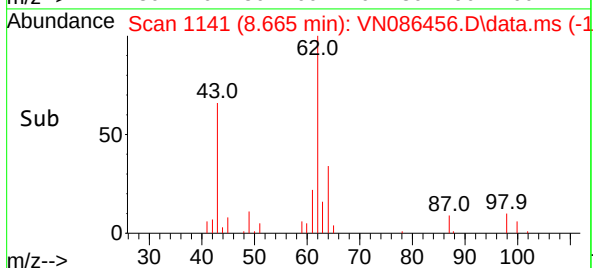
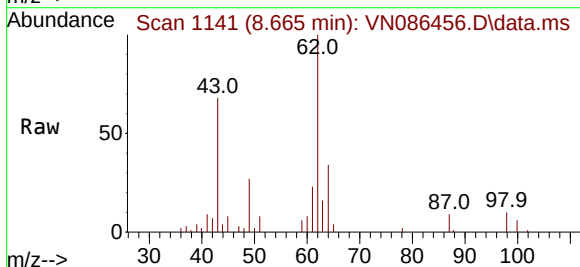
Acq: 02 May 2025 12:14

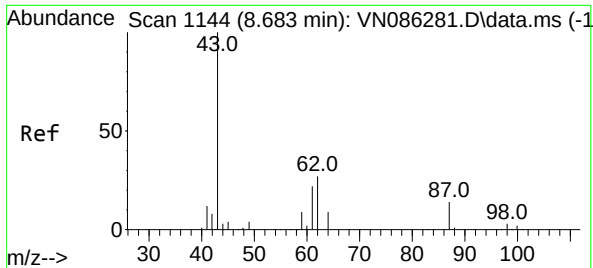
Tgt Ion: 62 Resp: 52848

Ion Ratio Lower Upper

62 100

98 9.5 0.0 19.2





#43

Isopropyl Acetate

Concen: 20.449 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBSD01

Tgt Ion: 43 Resp: 102439

Ion Ratio Lower Upper

43

61

87

100

24.4

12.3

20.5

10.5

30.7

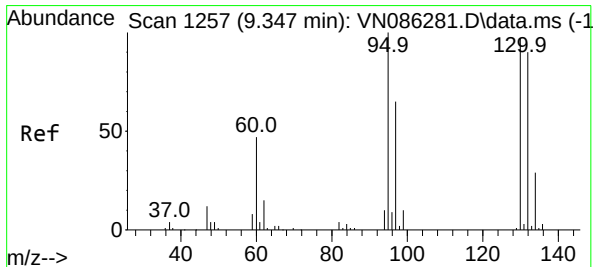
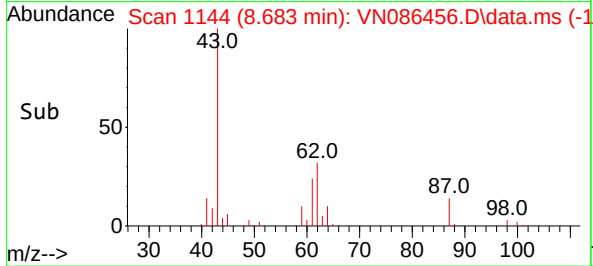
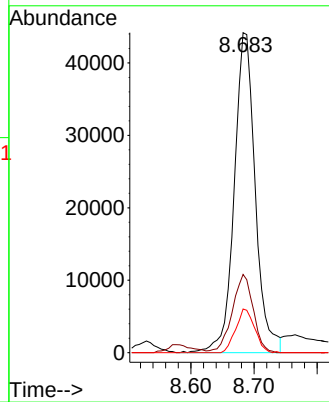
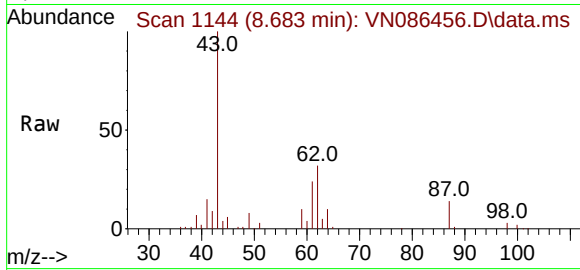
15.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#44

Trichloroethene

Concen: 19.974 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. 0.000 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

Tgt Ion:130 Resp: 37690

Ion Ratio Lower Upper

130

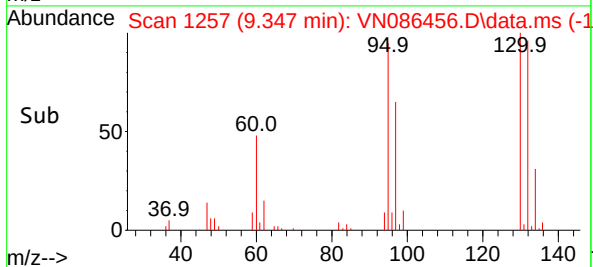
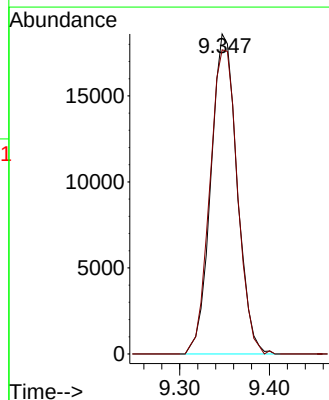
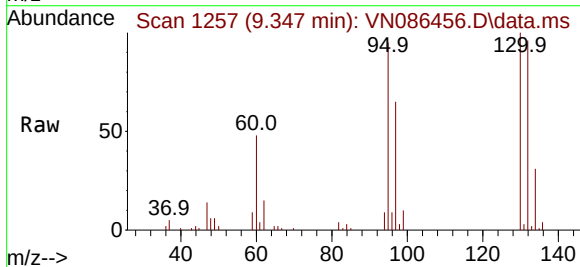
95

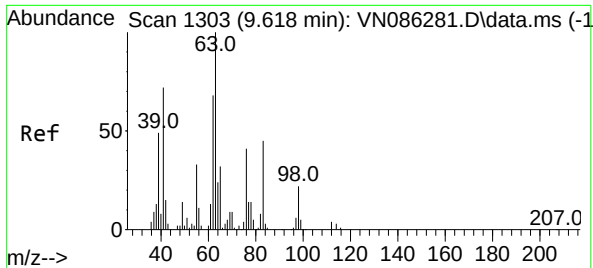
100

95.1

0.0

207.2





#45

1,2-Dichloropropane

Concen: 19.515 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBSD01

Tgt Ion: 63 Resp: 3803

Ion Ratio Lower Upper

63 100

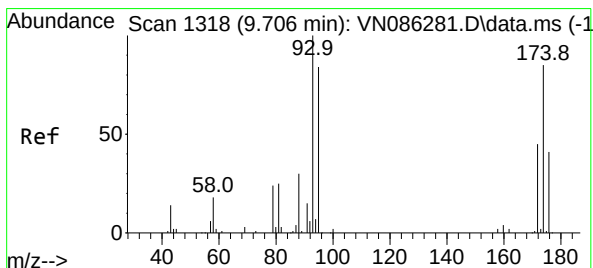
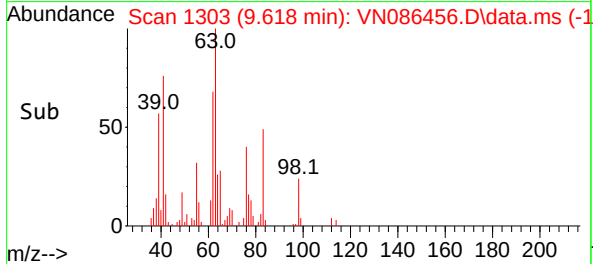
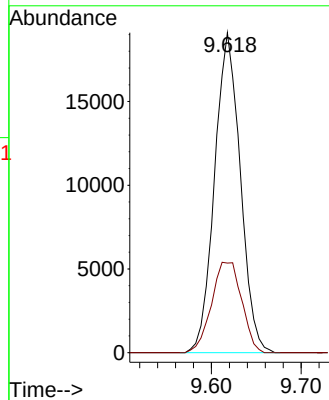
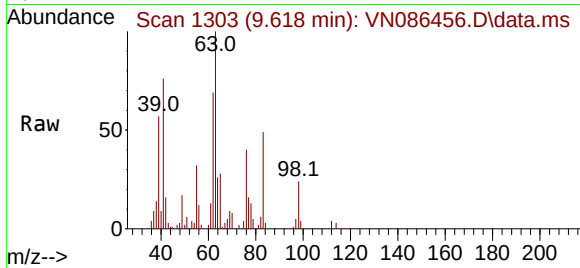
65 28.0 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#46

Dibromomethane

Concen: 21.840 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

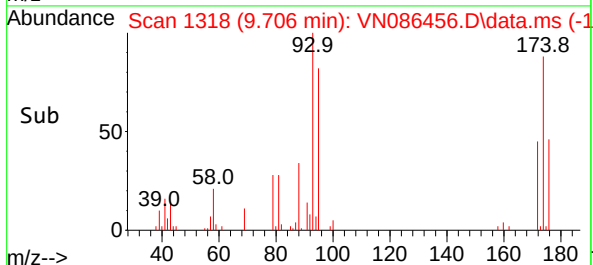
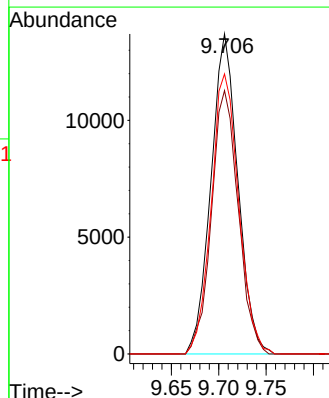
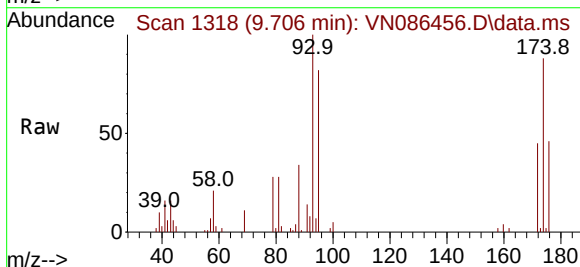
Tgt Ion: 93 Resp: 27118

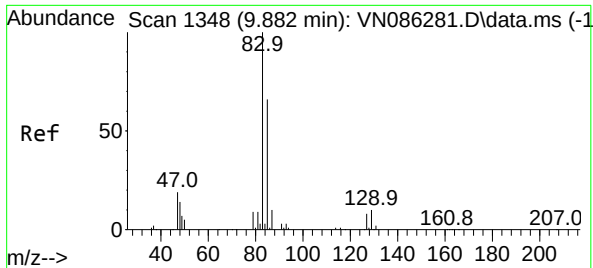
Ion Ratio Lower Upper

93 100

95 81.9 66.2 99.4

174 89.3 67.8 101.6





#47

Bromodichloromethane

Concen: 20.717 ug/l

RT: 9.888 min Scan# 1348

Delta R.T. 0.006 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBSD01

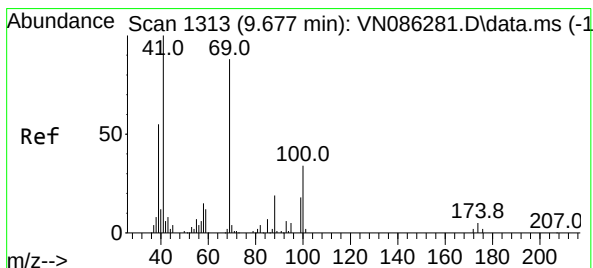
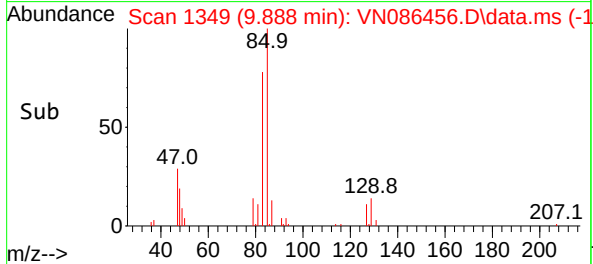
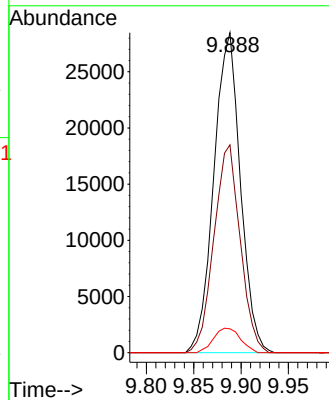
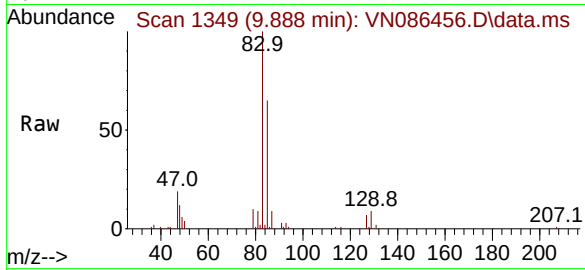
Tgt Ion:	83	Resp:	5558
Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.6	78.8
127	7.4	6.1	9.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#48

Methyl methacrylate

Concen: 18.361 ug/l

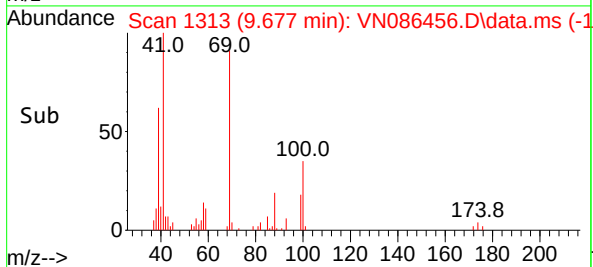
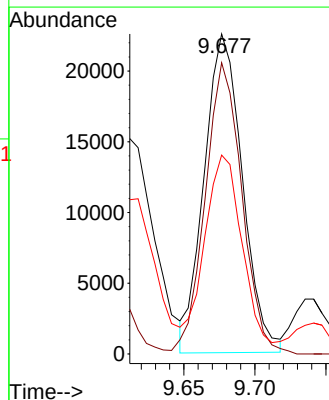
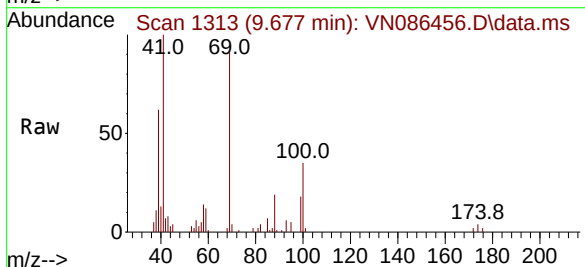
RT: 9.677 min Scan# 1313

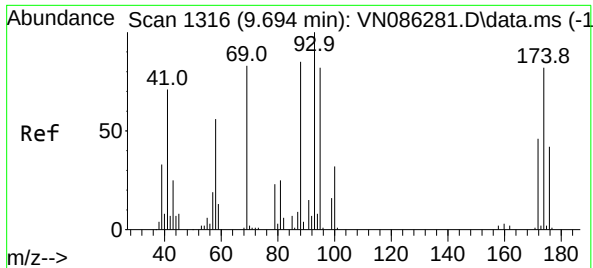
Delta R.T. 0.000 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

Tgt Ion:	41	Resp:	42182
Ion	Ratio	Lower	Upper
41	100		
69	87.8	68.2	102.2
39	62.5	45.2	67.8





#49

1,4-Dioxane

Concen: 446.300 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBSD01

Tgt Ion: 88 Resp: 17440

Ion Ratio Lower Upper

88 100

43 24.9 23.8 35.8

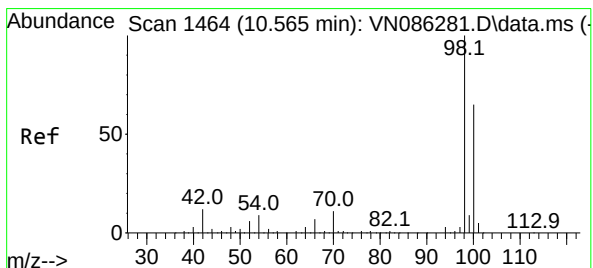
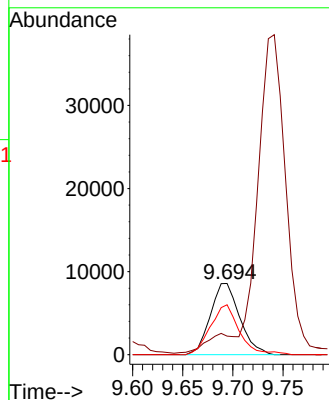
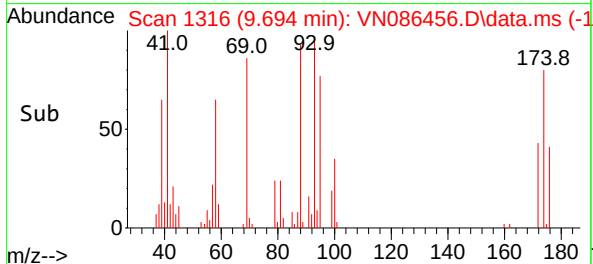
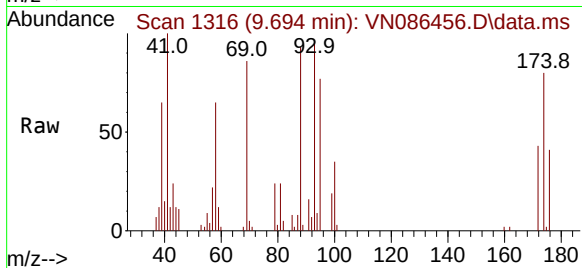
58 69.2 57.4 86.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#50

Toluene-d8

Concen: 53.425 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN086456.D

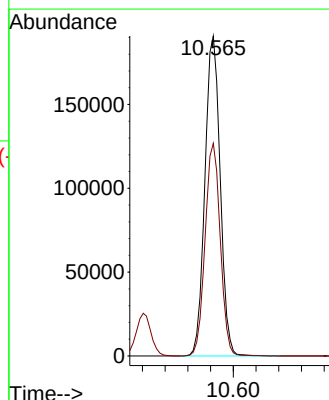
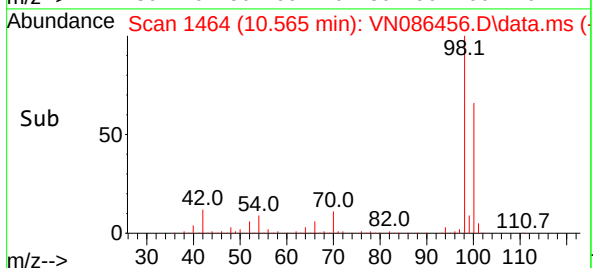
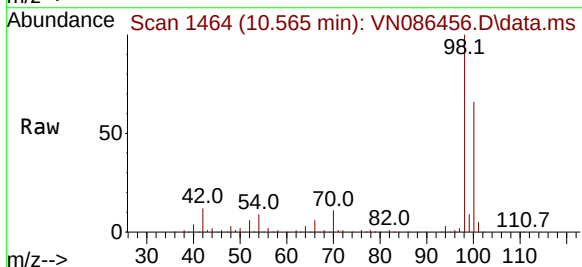
Acq: 02 May 2025 12:14

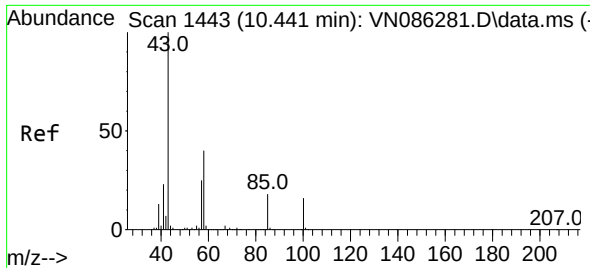
Tgt Ion: 98 Resp: 355221

Ion Ratio Lower Upper

98 100

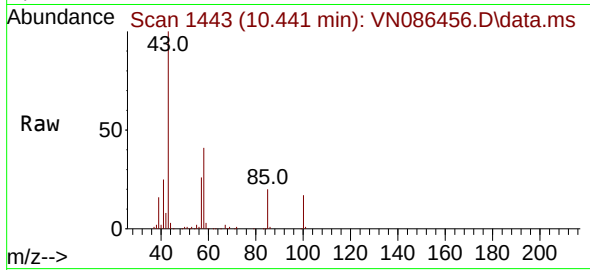
100 66.0 52.5 78.7





#51
4-Methyl-2-Pentanone
Concen: 100.843 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

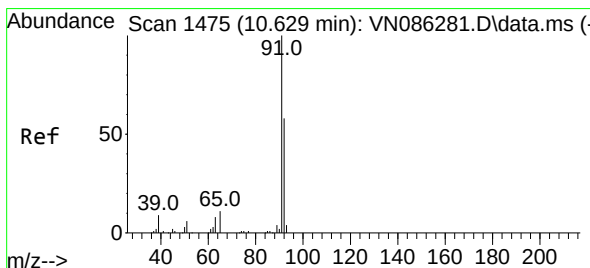
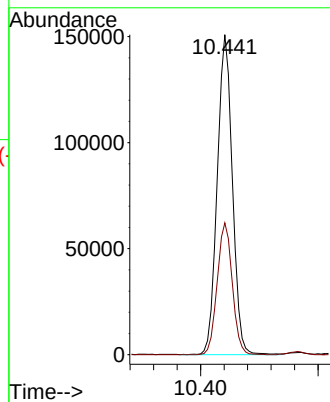
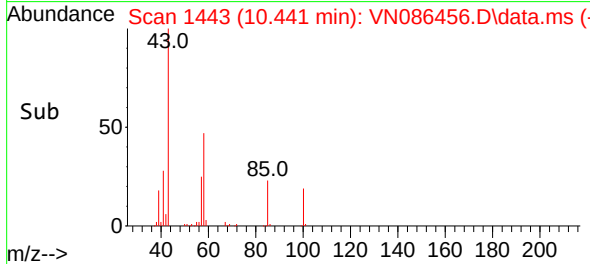
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



Tgt Ion: 43 Resp: 27014
Ion Ratio Lower Upper
43 100
58 40.9 32.2 48.4

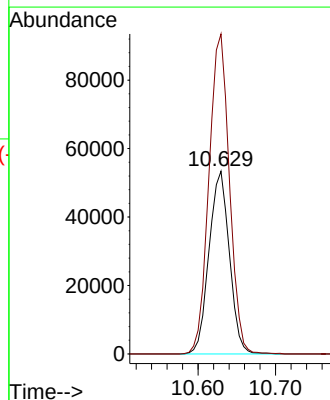
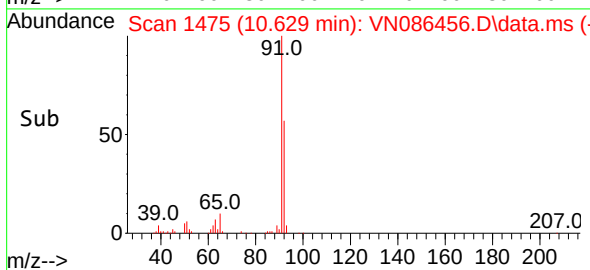
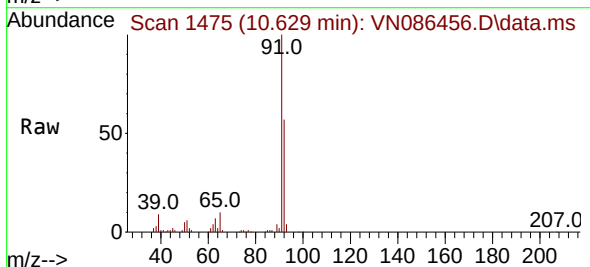
Manual Integrations
APPROVED

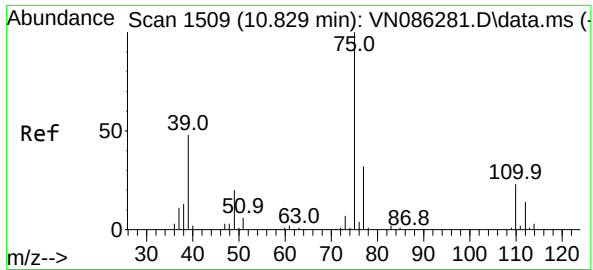
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#52
Toluene
Concen: 19.604 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

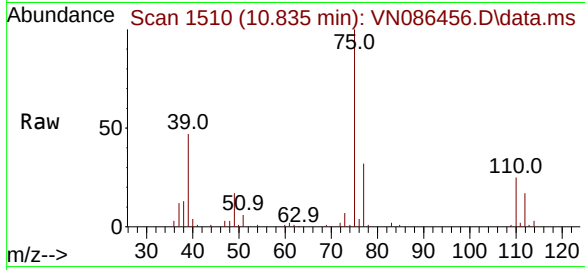
Tgt Ion: 92 Resp: 97386
Ion Ratio Lower Upper
92 100
91 176.1 137.3 205.9





#53
t-1,3-Dichloropropene
Concen: 20.298 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.006 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

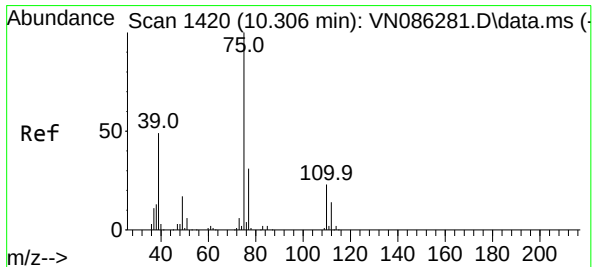
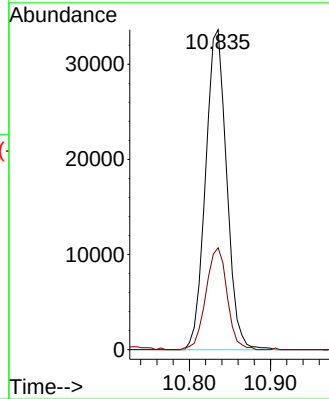
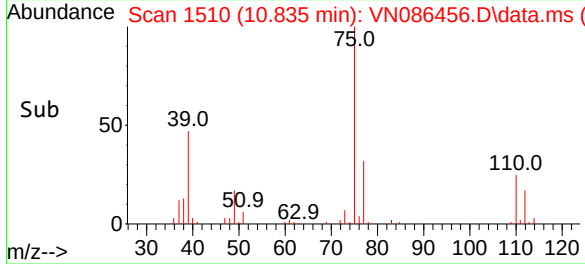
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



Tgt Ion: 75 Resp: 6076
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0

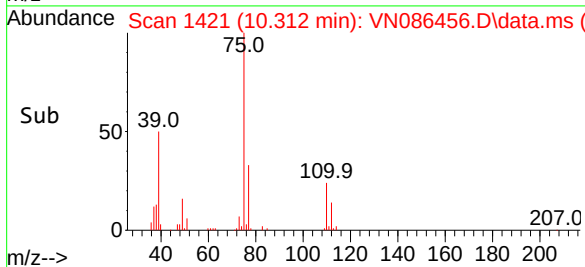
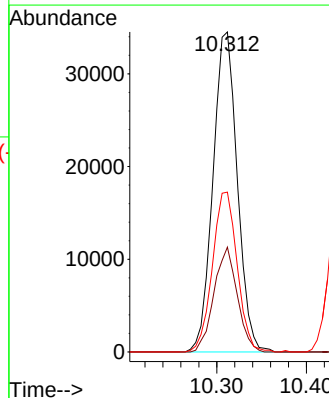
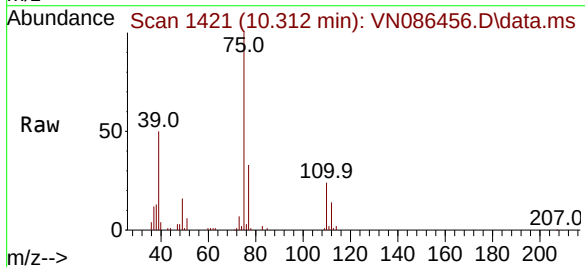
Manual Integrations
APPROVED

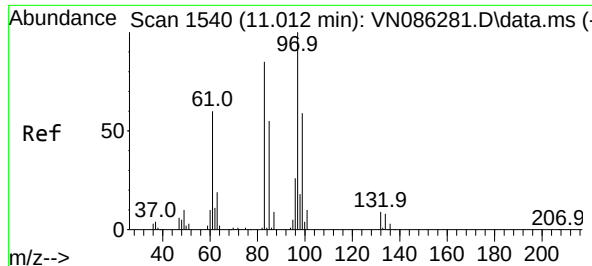
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#54
cis-1,3-Dichloropropene
Concen: 19.769 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

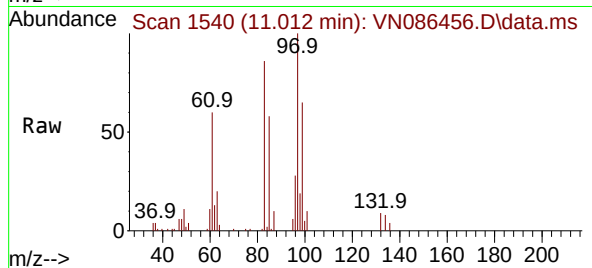
Tgt Ion: 75 Resp: 65001
Ion Ratio Lower Upper
75 100
77 32.7 25.2 37.8
39 50.0 39.3 58.9





#55
1,1,2-Trichloroethane
Concen: 21.315 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

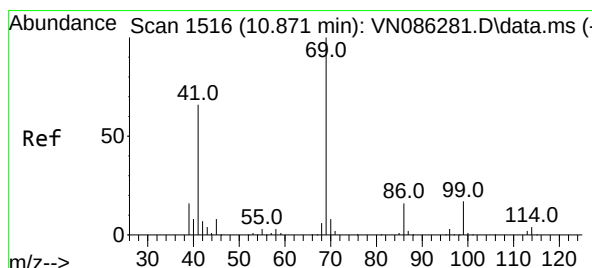
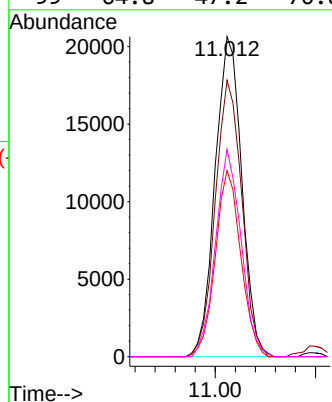
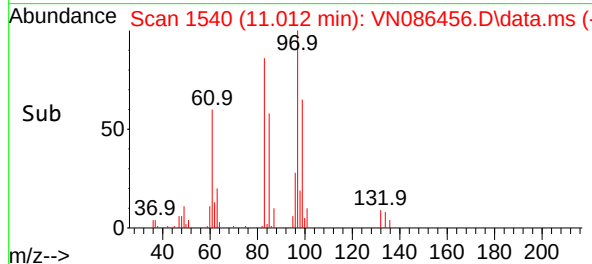
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.4	68.4	102.6
85	58.1	43.9	65.9
99	64.8	47.2	70.8

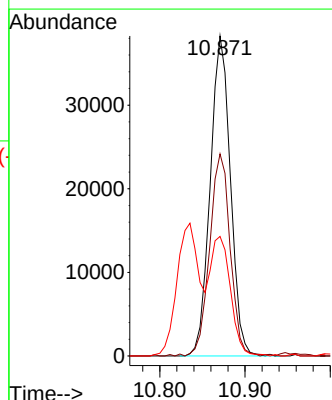
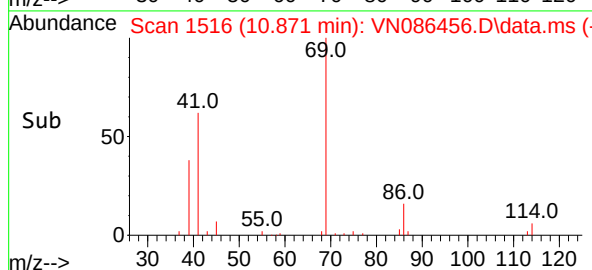
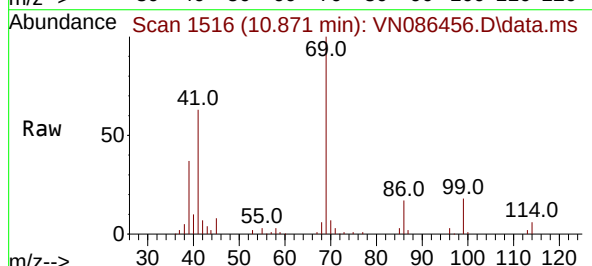
Manual Integrations
APPROVED

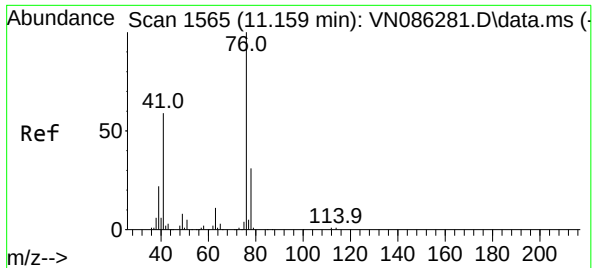
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#56
Ethyl methacrylate
Concen: 19.190 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.1	51.7	77.5
39	37.2	26.3	39.5





#57

1,3-Dichloropropane

Concen: 20.274 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. 0.000 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBSD01

Tgt Ion: 76 Resp: 6429

Ion Ratio Lower Upper

76 100

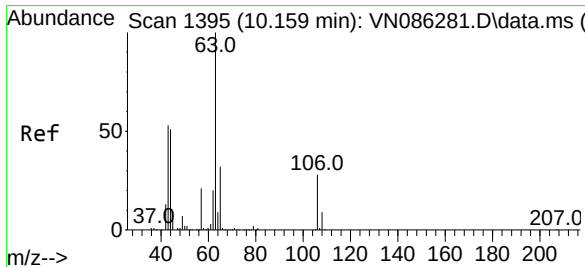
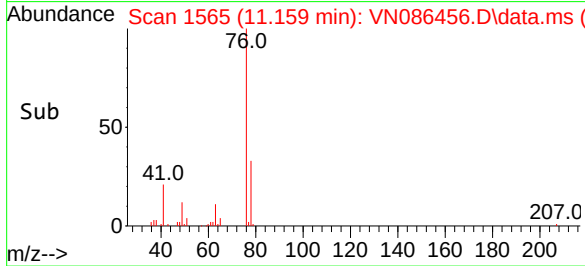
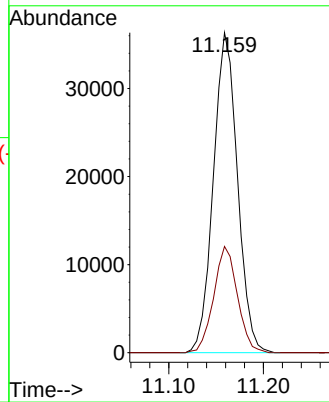
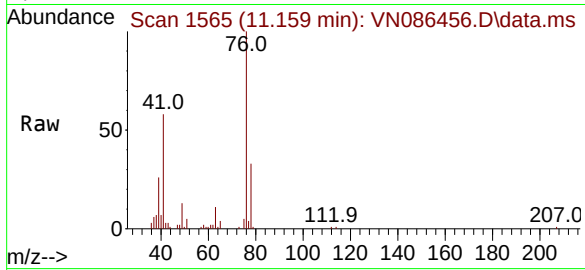
78 32.6 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#58

2-Chloroethyl Vinyl ether

Concen: 85.912 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN086456.D

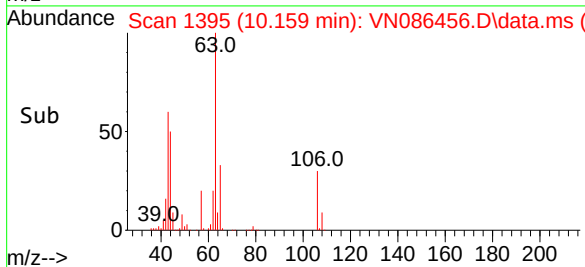
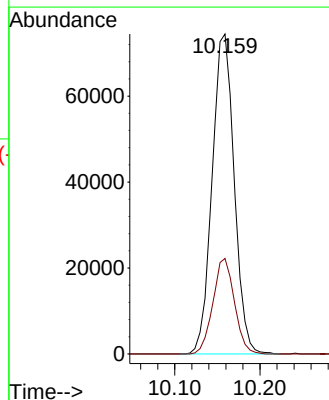
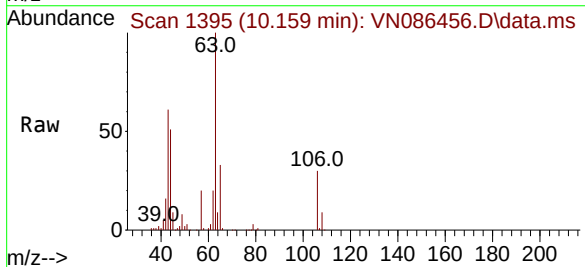
Acq: 02 May 2025 12:14

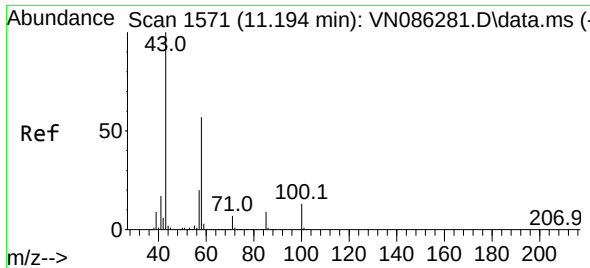
Tgt Ion: 63 Resp: 133965

Ion Ratio Lower Upper

63 100

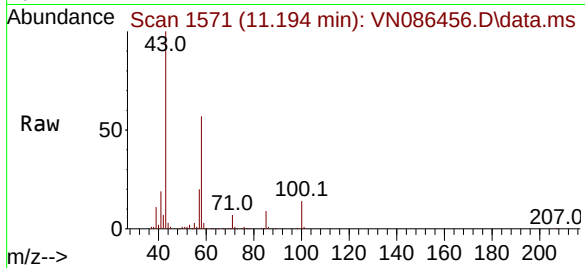
106 29.1 22.2 33.2





#59
2-Hexanone
Concen: 101.273 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

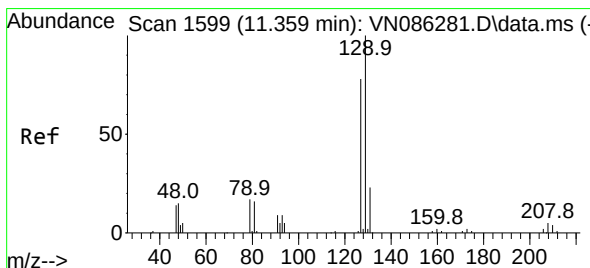
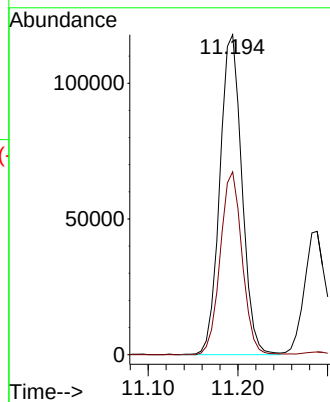
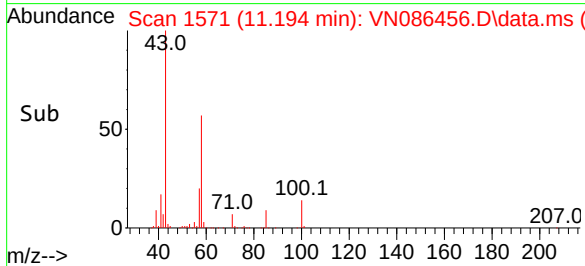
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



Tgt Ion: 43 Resp: 201227
Ion Ratio Lower Upper
43 100
58 56.5 28.3 85.0

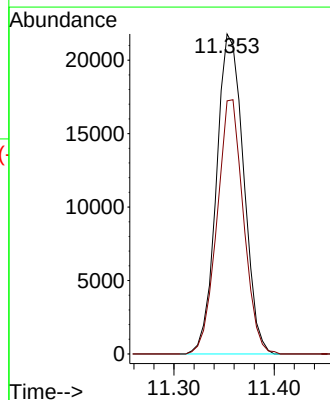
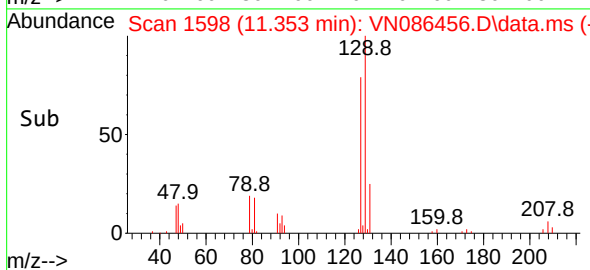
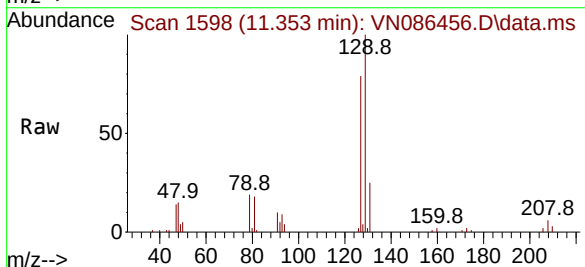
Manual Integrations
APPROVED

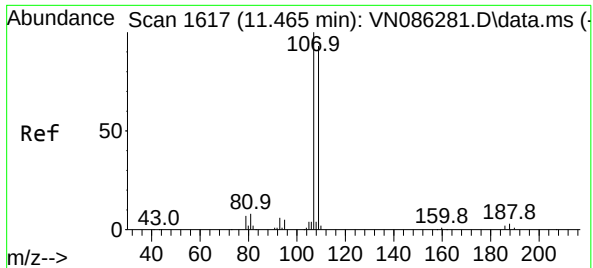
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#60
Dibromochloromethane
Concen: 20.873 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

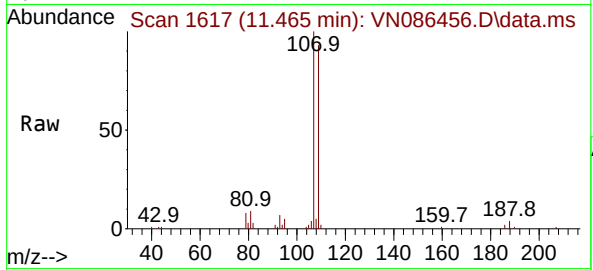
Tgt Ion:129 Resp: 40966
Ion Ratio Lower Upper
129 100
127 77.4 38.7 116.1





#61
1,2-Dibromoethane
Concen: 21.208 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

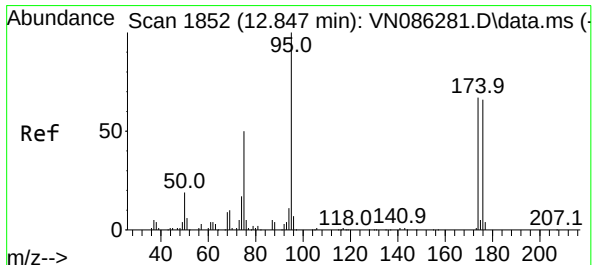
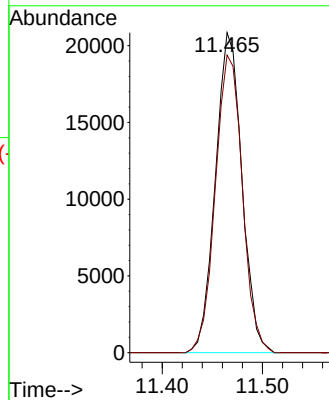
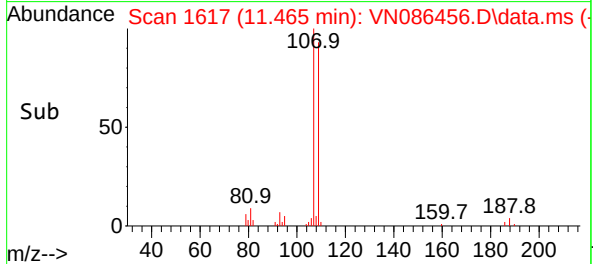
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



Tgt Ion: 107 Resp: 3824
Ion Ratio Lower Upper
107 100
109 94.8 75.4 113.0

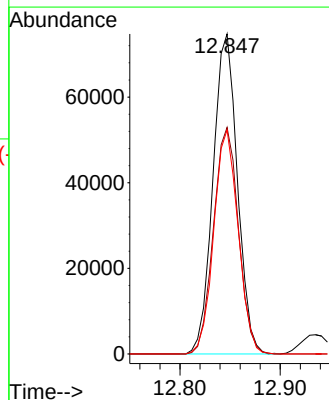
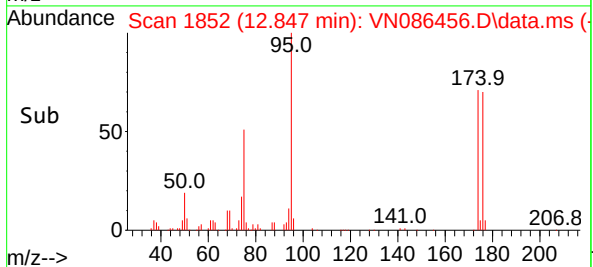
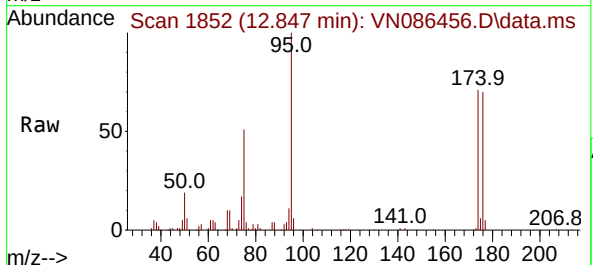
Manual Integrations
APPROVED

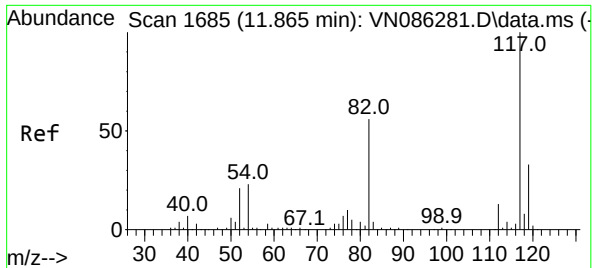
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#62
4-Bromofluorobenzene
Concen: 51.990 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

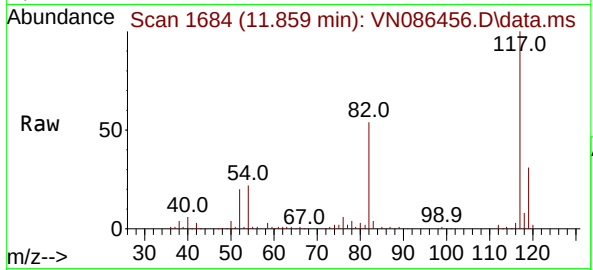
Tgt Ion: 95 Resp: 126083
Ion Ratio Lower Upper
95 100
174 72.4 0.0 133.4
176 69.9 0.0 129.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

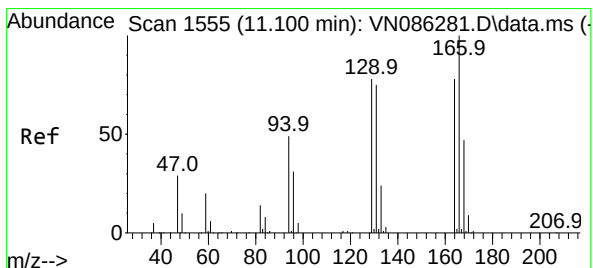
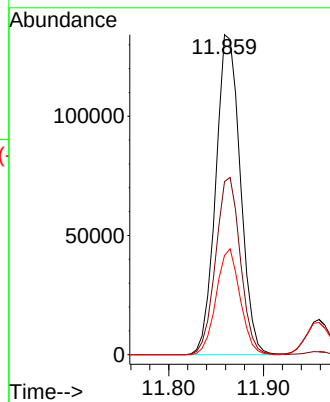
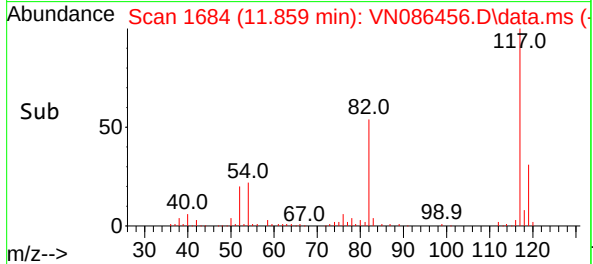
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



Tgt Ion:117 Resp: 24217
Ion Ratio Lower Upper
117 100
82 54.1 44.7 67.1
119 31.0 26.4 39.6

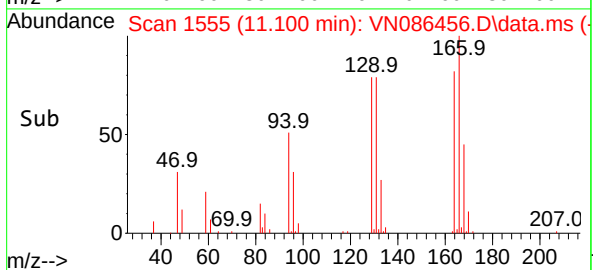
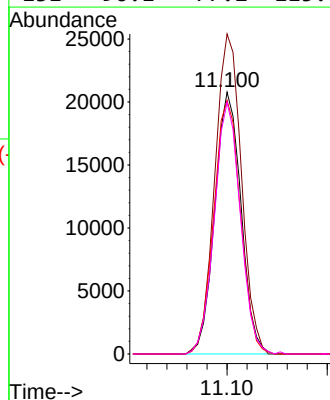
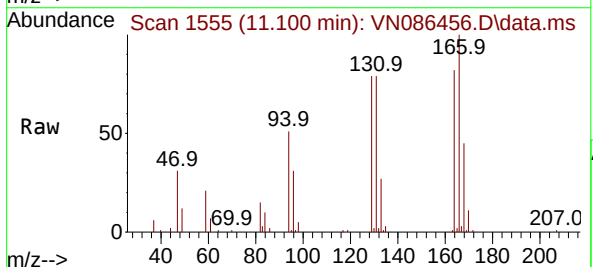
Manual Integrations
APPROVED

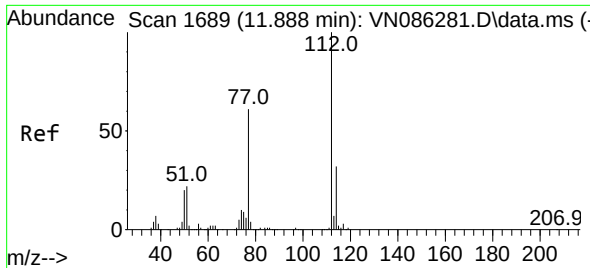
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#64
Tetrachloroethene
Concen: 20.186 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

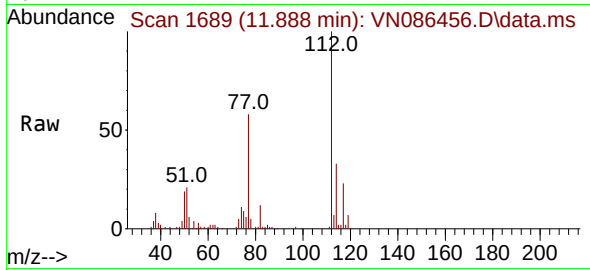
Tgt Ion:164 Resp: 37604
Ion Ratio Lower Upper
164 100
166 122.3 103.0 154.4
129 96.9 80.1 120.1
131 96.1 77.2 115.8





#65
Chlorobenzene
Concen: 19.804 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

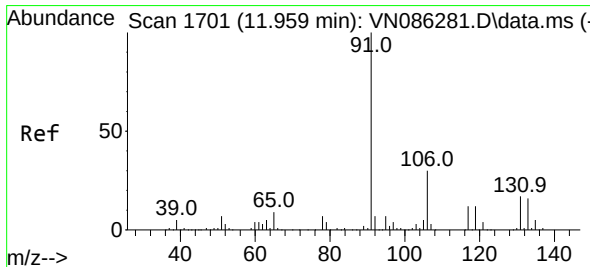
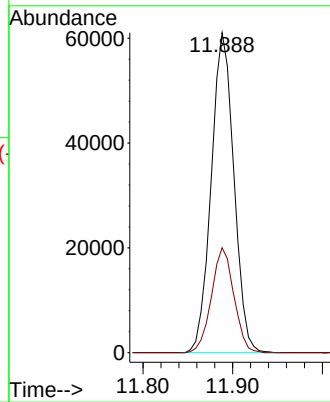
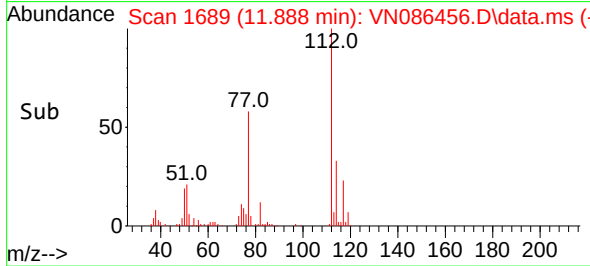
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



Tgt Ion:112 Resp: 10703
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.0

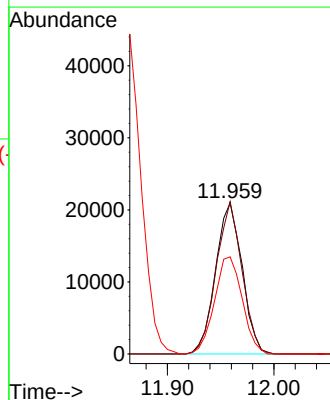
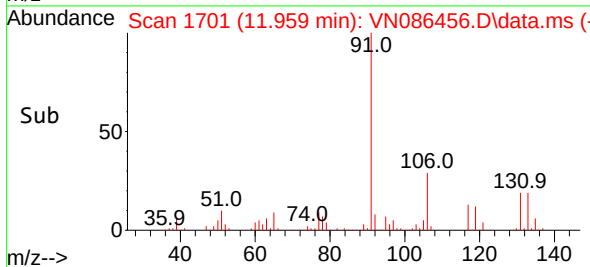
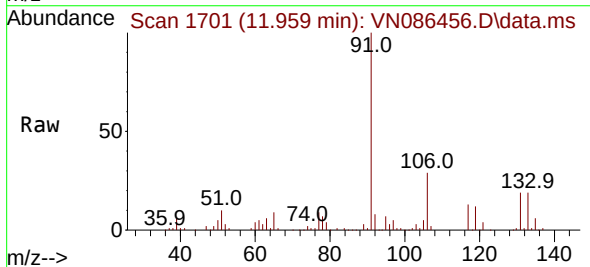
Manual Integrations
APPROVED

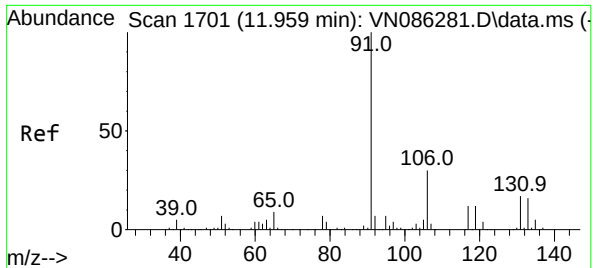
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 20.413 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

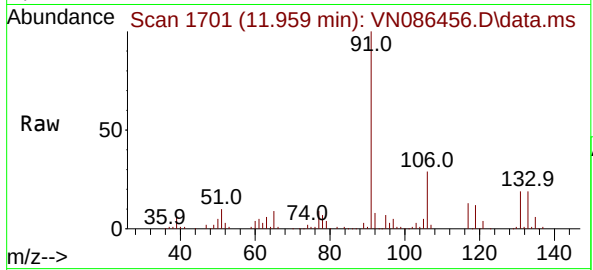
Tgt Ion:131 Resp: 36396
Ion Ratio Lower Upper
131 100
133 97.6 47.1 141.3
119 66.8 33.8 101.4





#67
Ethyl Benzene
Concen: 19.113 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

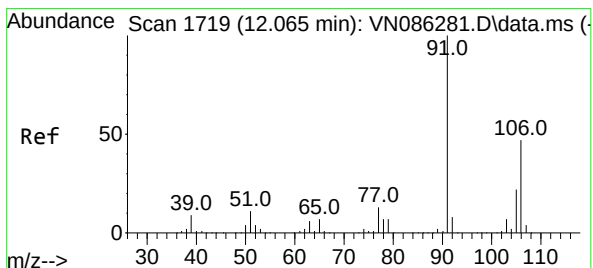
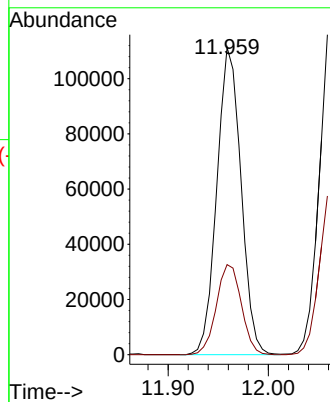
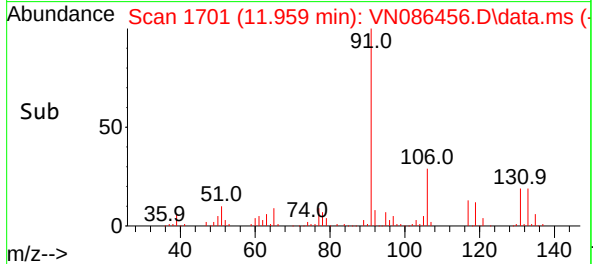
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



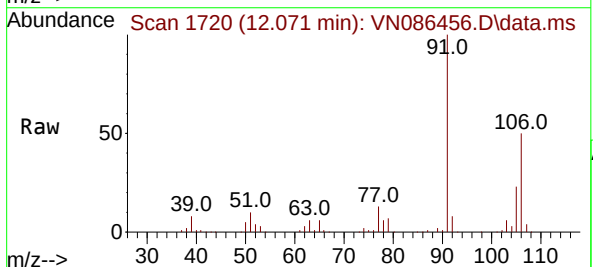
Tgt Ion: 91 Resp: 186400
Ion Ratio Lower Upper
91 100
106 29.3 24.3 36.5

Manual Integrations
APPROVED

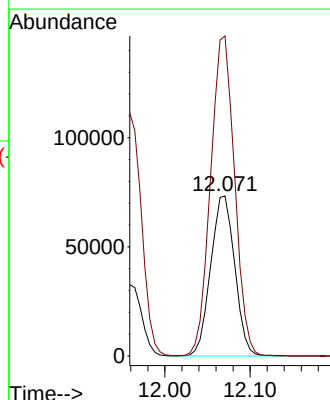
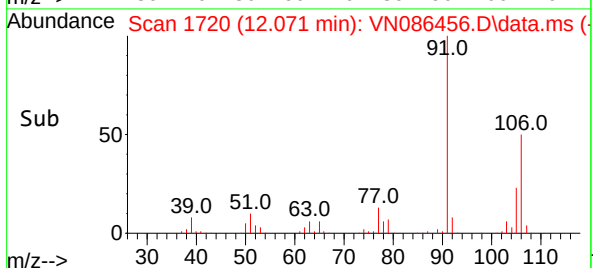
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

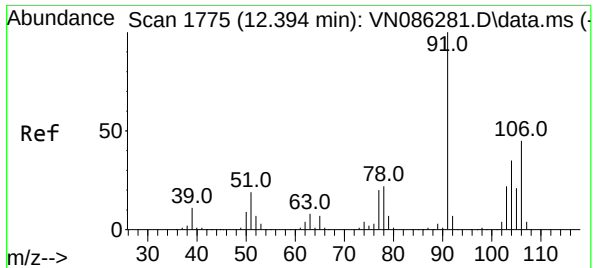


#68
m/p-Xylenes
Concen: 39.341 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14



Tgt Ion:106 Resp: 143762
Ion Ratio Lower Upper
106 100
91 200.0 166.5 249.7





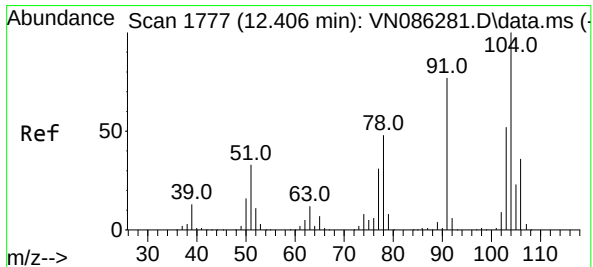
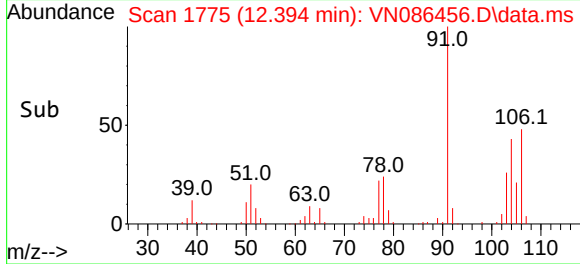
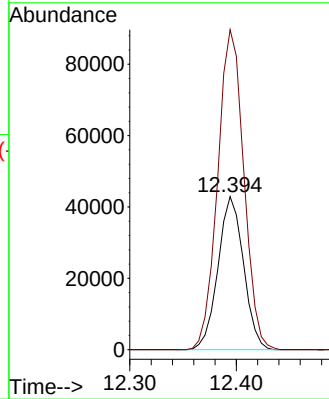
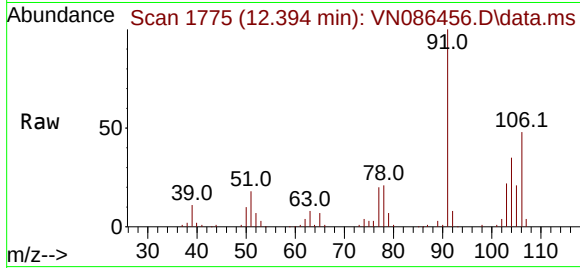
#69
o-Xylene
Concen: 19.745 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01

Tgt Ion:106 Resp: 7135
Ion Ratio Lower Upper
106 100
91 214.2 109.7 329.0

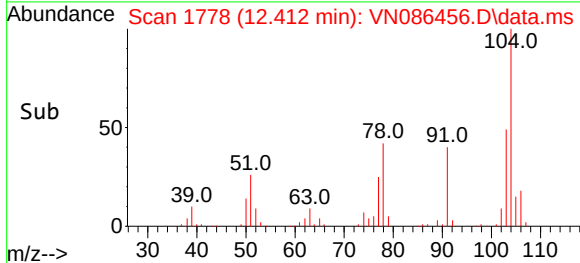
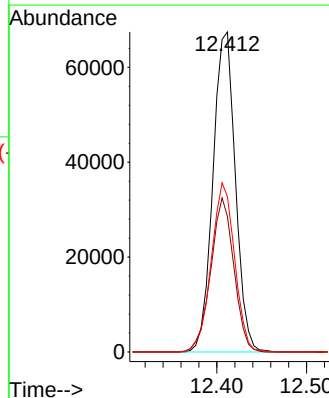
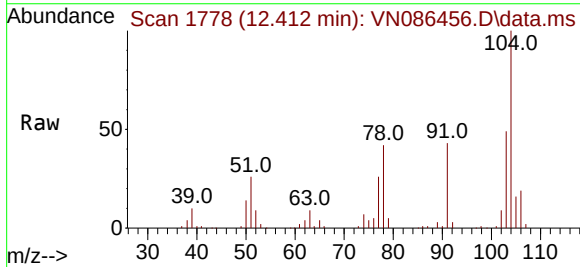
Manual Integrations
APPROVED

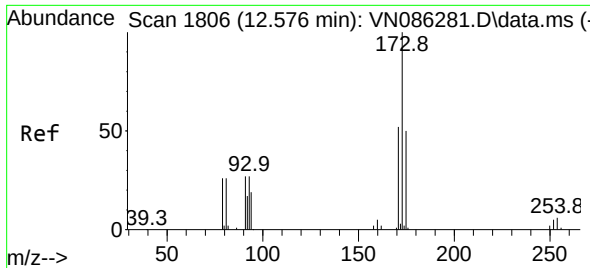
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#70
Styrene
Concen: 19.437 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

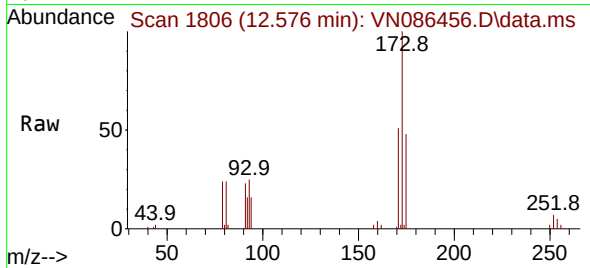
Tgt Ion:104 Resp: 117039
Ion Ratio Lower Upper
104 100
78 49.5 40.6 61.0
103 55.0 43.6 65.4





#71
Bromoform
Concen: 20.513 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

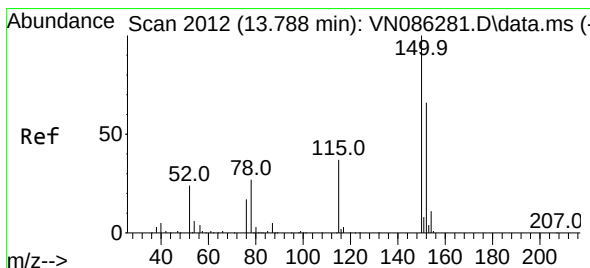
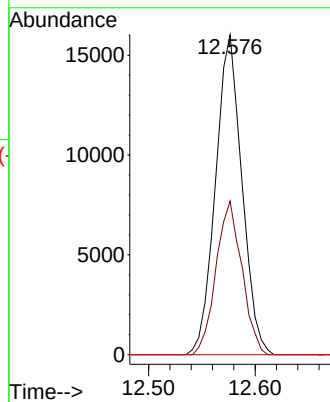
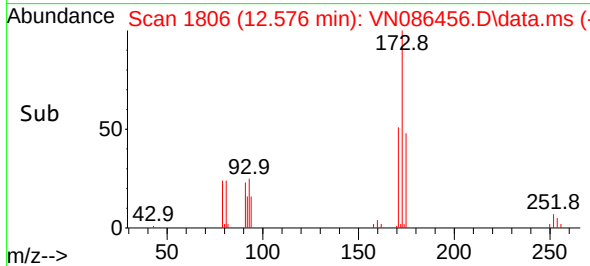
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



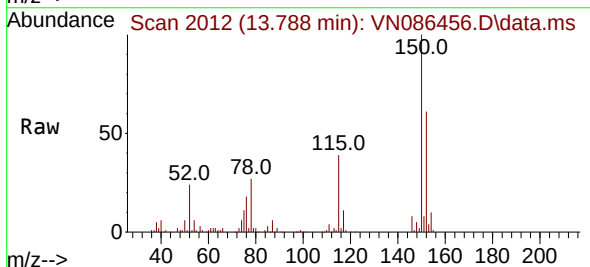
Tgt Ion:173 Resp: 27530
Ion Ratio Lower Upper
173 100
175 47.0 24.6 73.6
254 0.0 0.0 0.0

Manual Integrations
APPROVED

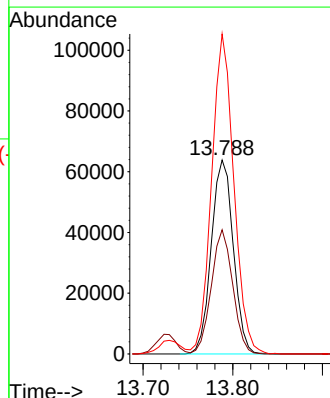
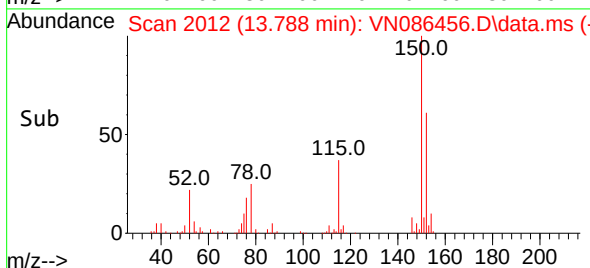
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

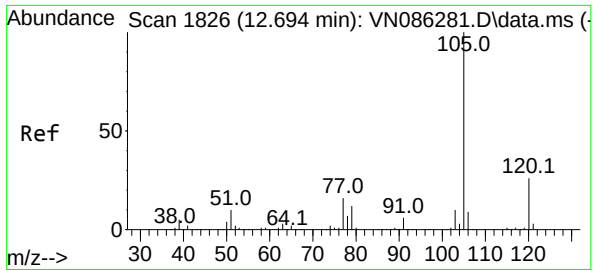


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14



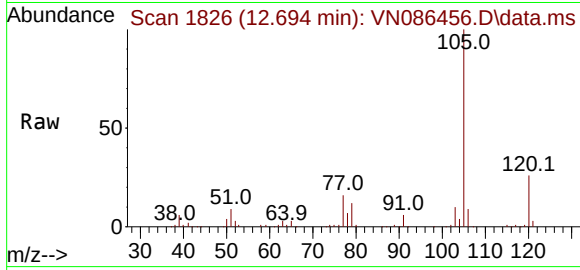
Tgt Ion:152 Resp: 108773
Ion Ratio Lower Upper
152 100
115 62.1 31.9 95.9
150 166.0 0.0 352.0





#73
Isopropylbenzene
Concen: 19.179 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

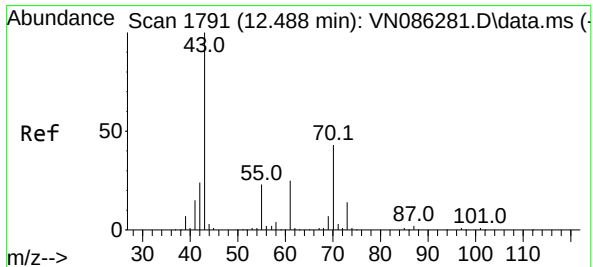
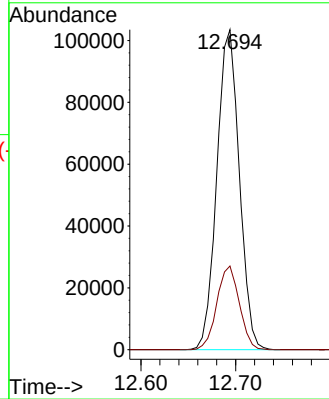
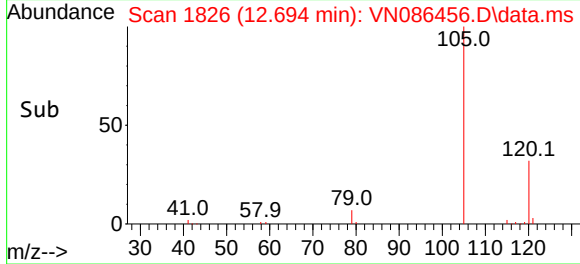
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



Tgt Ion:105 Resp: 170650
Ion Ratio Lower Upper
105 100
120 26.1 13.1 39.3

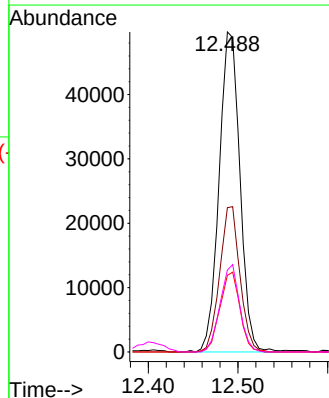
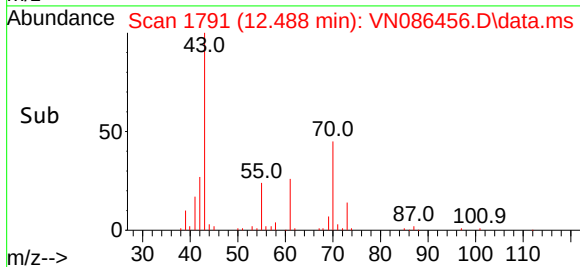
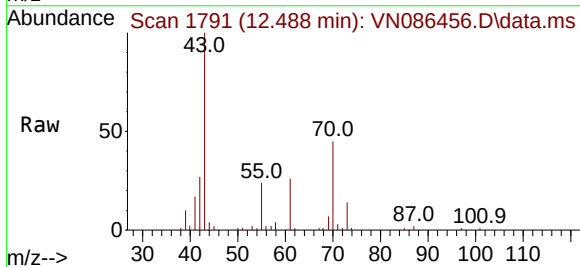
Manual Integrations
APPROVED

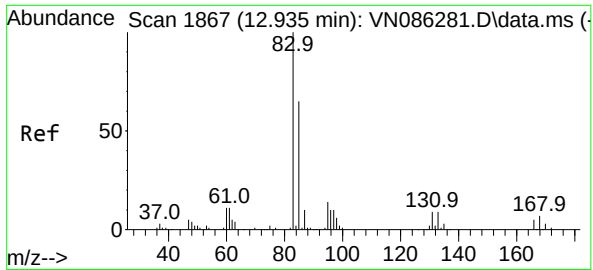
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#74
N-ethyl acetate
Concen: 18.113 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

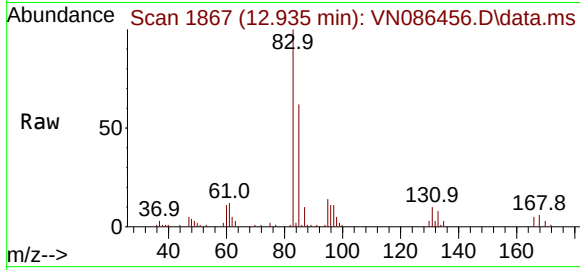
Tgt Ion: 43 Resp: 80233
Ion Ratio Lower Upper
43 100
70 44.0 35.0 52.4
55 24.0 19.0 28.4
61 25.5 19.8 29.8





#75
1,1,2,2-Tetrachloroethane
Concen: 21.023 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

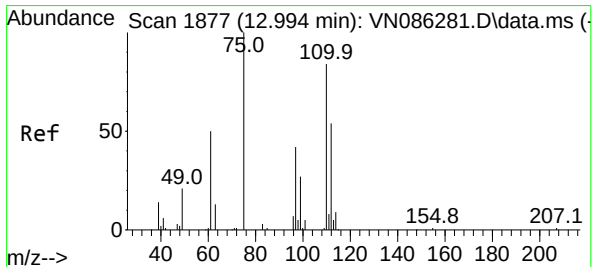
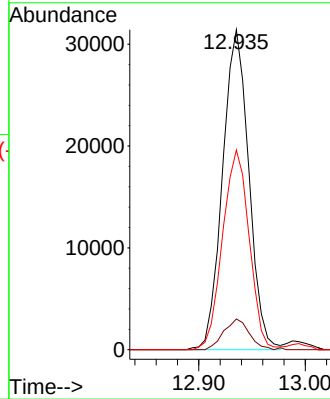
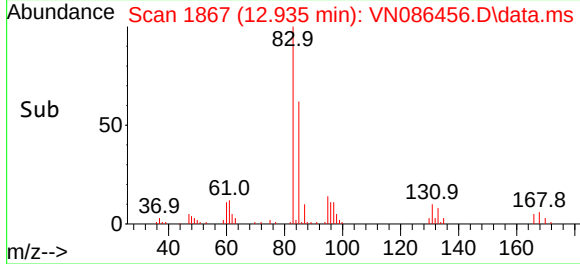
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



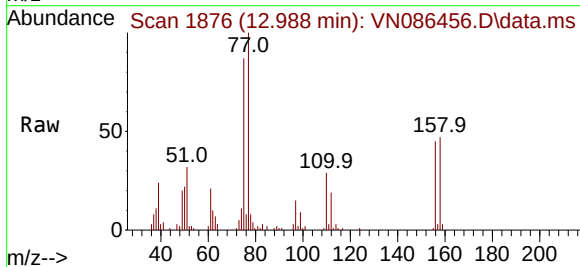
Tgt Ion: 83 Resp: 53780
Ion Ratio Lower Upper
83 100
131 9.4 4.7 14.1
85 63.2 32.7 98.1

Manual Integrations
APPROVED

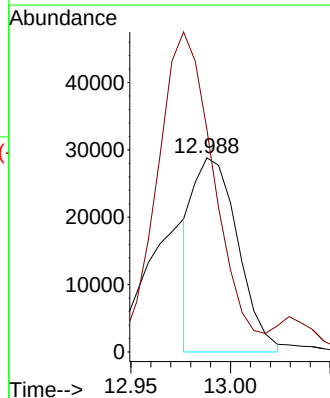
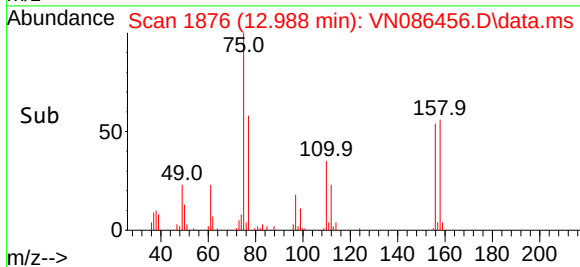
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

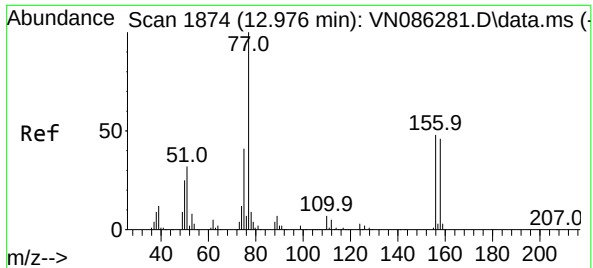


#76
1,2,3-Trichloropropane
Concen: 17.481 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14



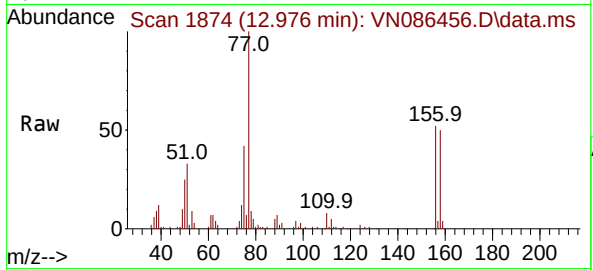
Tgt Ion: 75 Resp: 44872
Ion Ratio Lower Upper
75 100
77 211.9 98.8 296.4





#77
Bromobenzene
Concen: 21.380 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

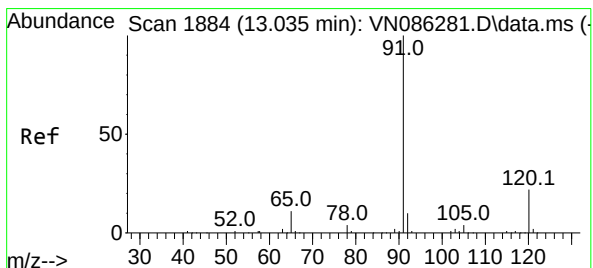
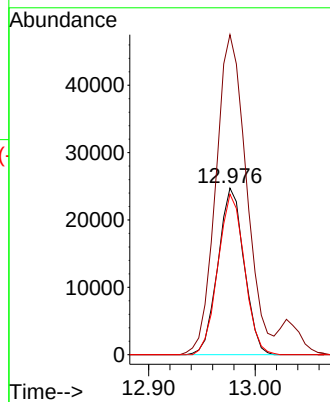
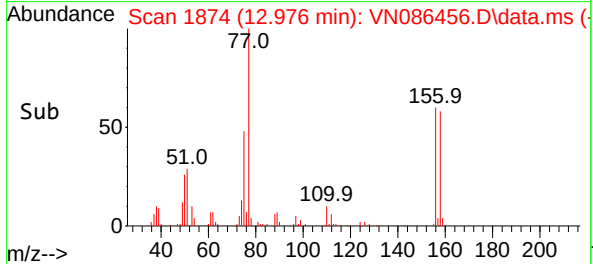
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



Tgt Ion:156 Resp: 4215
Ion Ratio Lower Upper
156 100
77 225.5 121.1 363.1
158 97.4 47.9 143.6

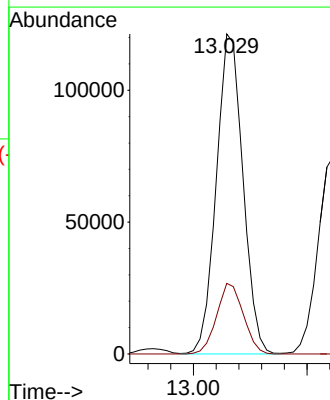
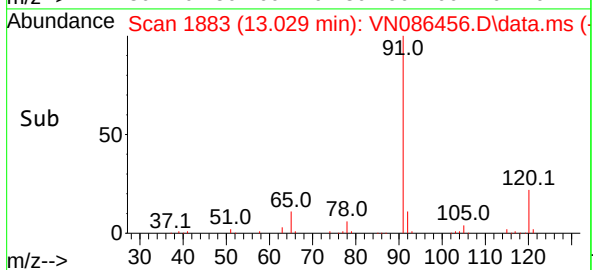
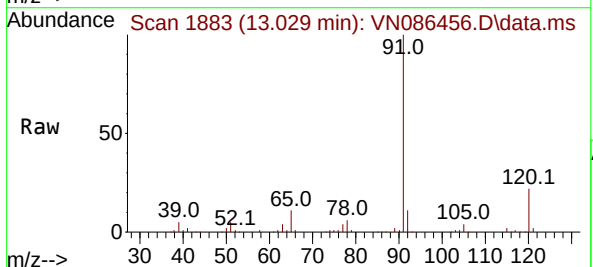
Manual Integrations
APPROVED

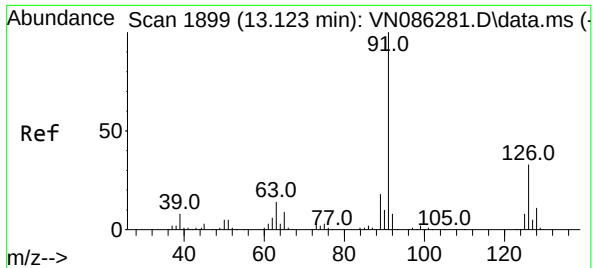
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#78
n-propylbenzene
Concen: 18.859 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

Tgt Ion: 91 Resp: 197732
Ion Ratio Lower Upper
91 100
120 22.0 11.1 33.3





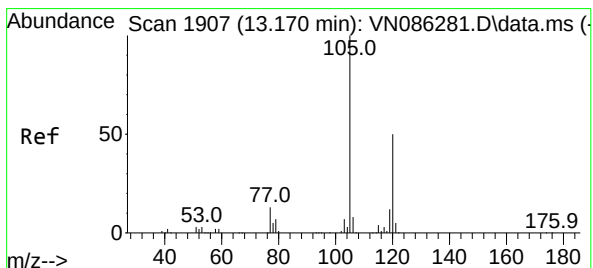
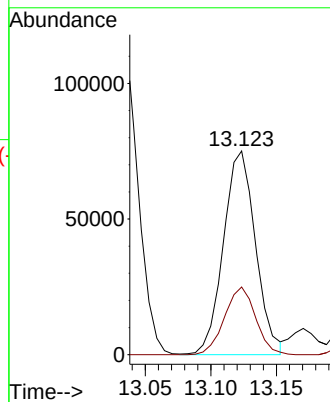
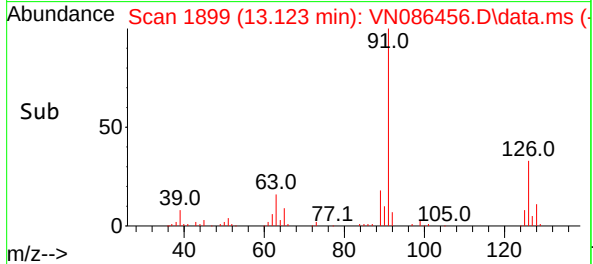
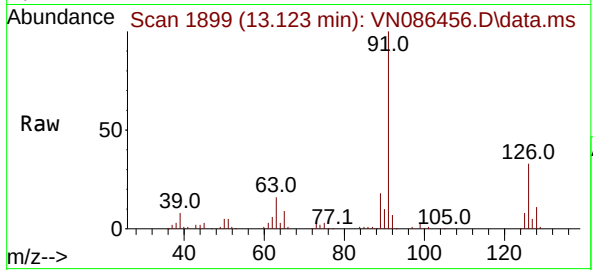
#79
2-Chlorotoluene
Concen: 19.515 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01

Tgt Ion: 91 Resp: 128038
Ion Ratio Lower Upper
91 100
126 32.1 16.1 48.2

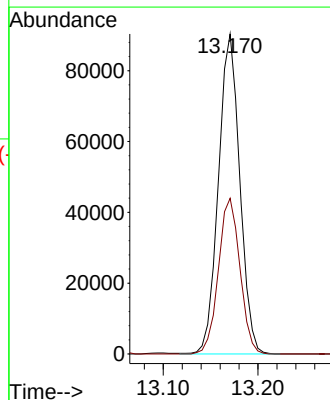
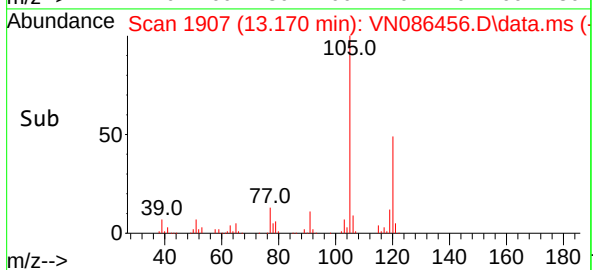
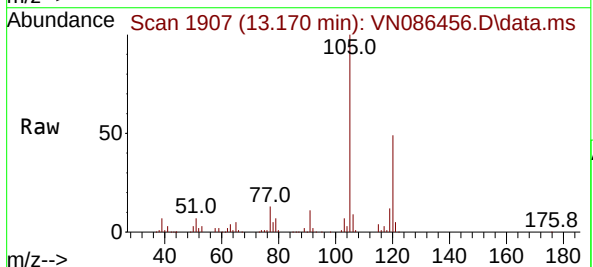
Manual Integrations
APPROVED

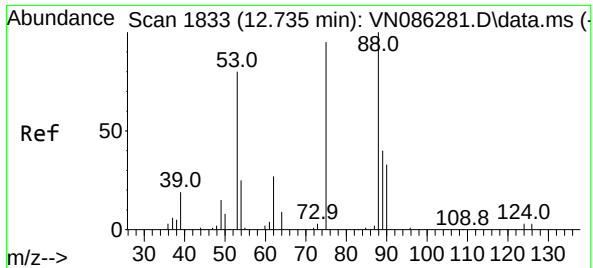
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#80
1,3,5-Trimethylbenzene
Concen: 19.454 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

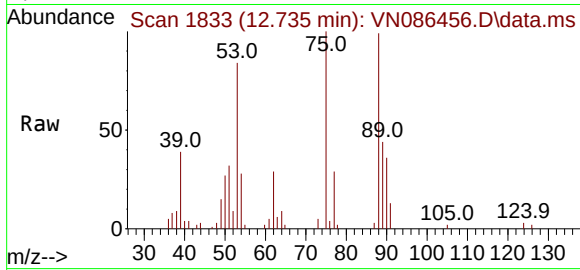
Tgt Ion:105 Resp: 141678
Ion Ratio Lower Upper
105 100
120 48.9 24.5 73.5





#81
trans-1,4-Dichloro-2-butene
Concen: 19.920 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

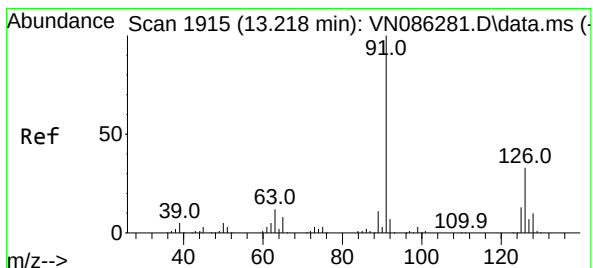
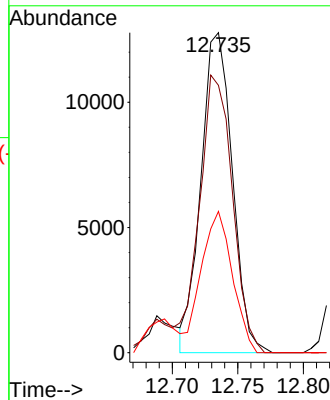
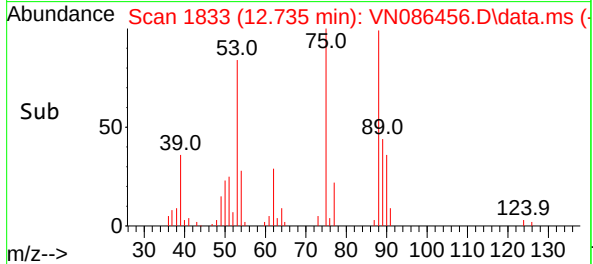
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



Tgt Ion: 75 Resp: 2129
Ion Ratio Lower Upper
75 100
53 91.9 79.2 118.8
89 44.3 35.7 53.5

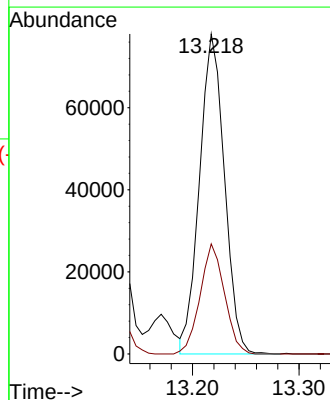
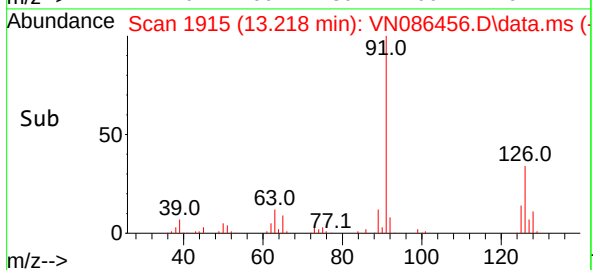
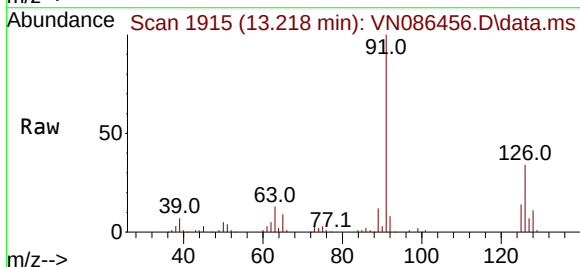
Manual Integrations
APPROVED

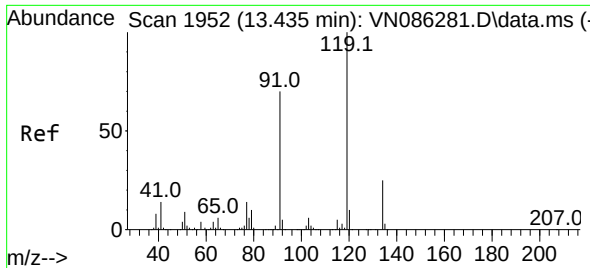
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#82
4-Chlorotoluene
Concen: 19.469 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

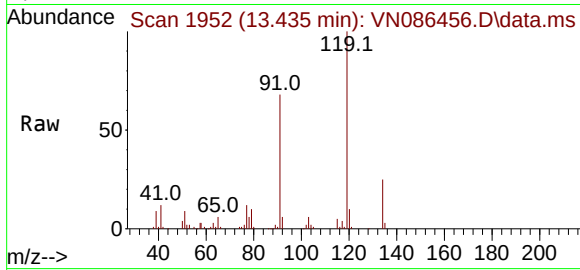
Tgt Ion: 91 Resp: 126883
Ion Ratio Lower Upper
91 100
126 33.6 16.2 48.6





#83
tert-Butylbenzene
Concen: 18.836 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

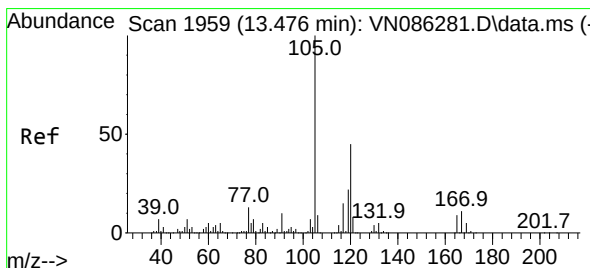
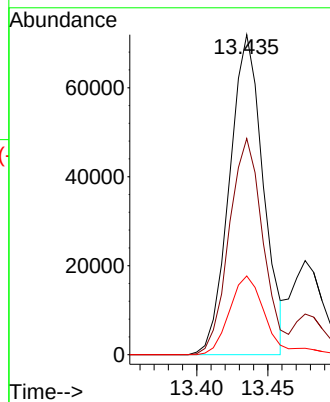
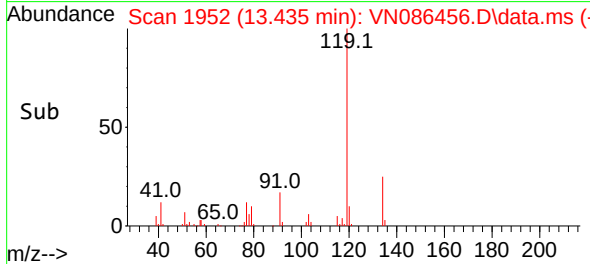
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



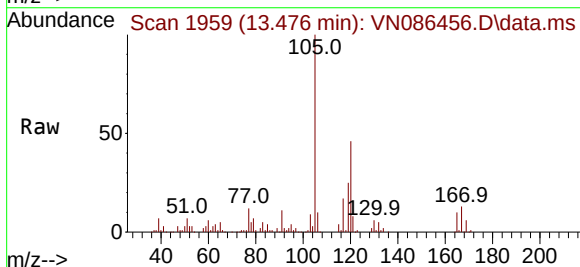
Tgt Ion:119 Resp: 11885
Ion Ratio Lower Upper
119 100
91 68.5 34.4 103.3
134 26.4 13.0 39.0

Manual Integrations
APPROVED

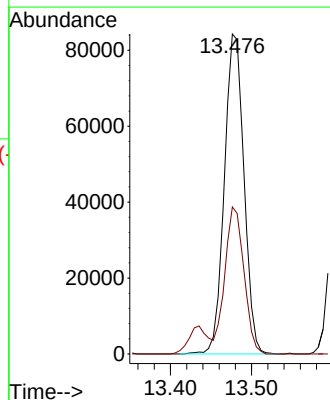
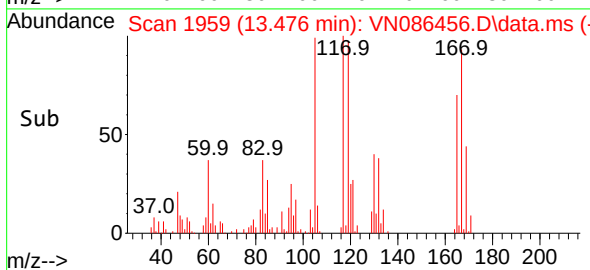
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

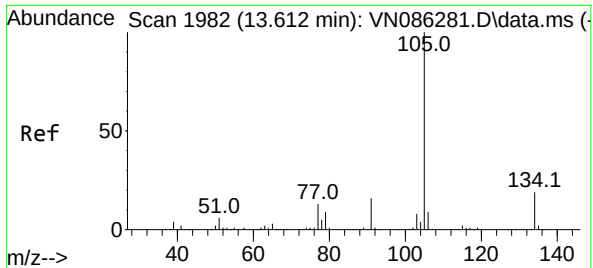


#84
1,2,4-Trimethylbenzene
Concen: 19.109 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14



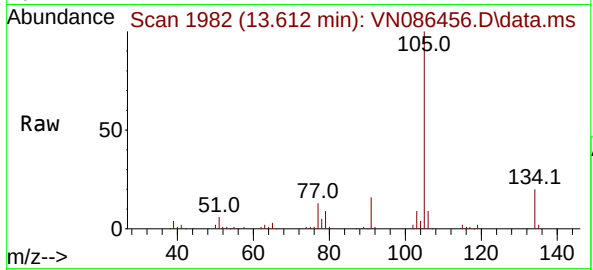
Tgt Ion:105 Resp: 141655
Ion Ratio Lower Upper
105 100
120 44.6 22.4 67.3





#85
sec-Butylbenzene
Concen: 18.822 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

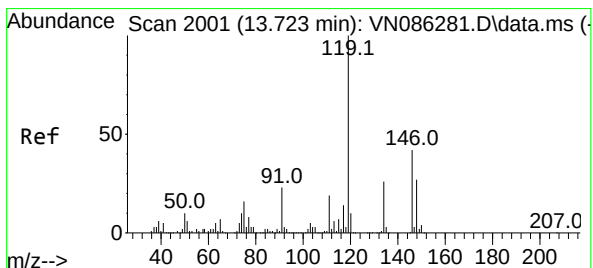
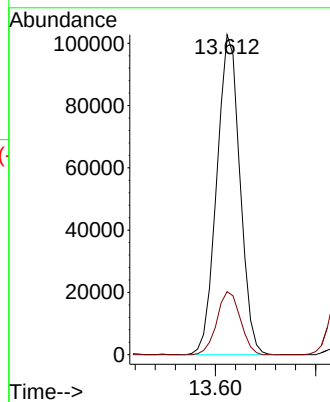
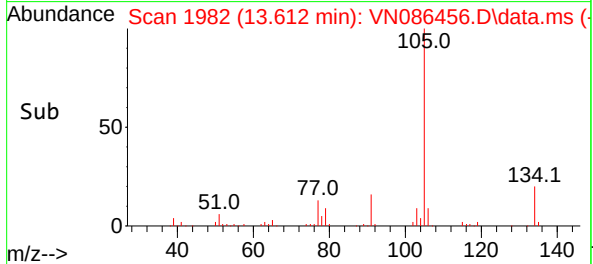
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



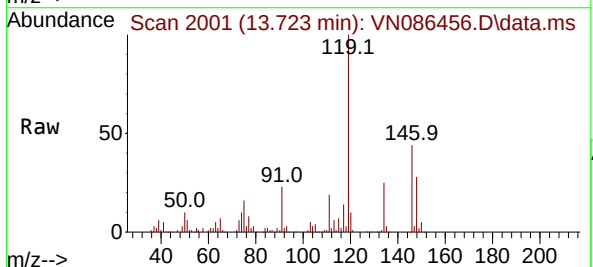
Tgt Ion:105 Resp: 16474
Ion Ratio Lower Upper
105 100
134 19.9 9.7 29.1

Manual Integrations
APPROVED

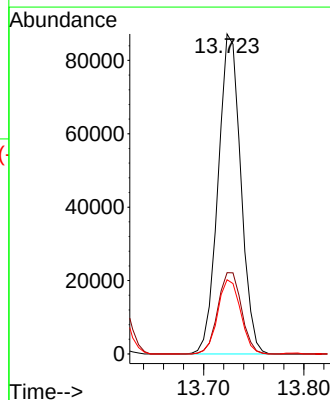
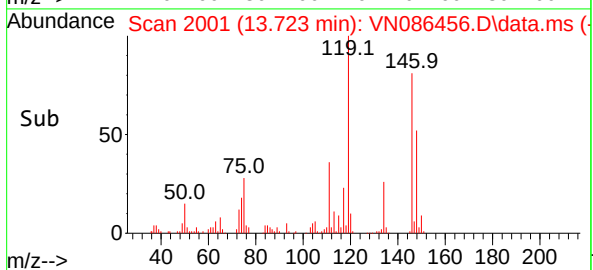
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

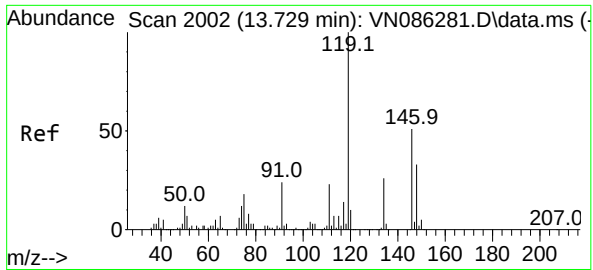


#86
p-Isopropyltoluene
Concen: 18.979 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14



Tgt Ion:119 Resp: 136925
Ion Ratio Lower Upper
119 100
134 26.5 13.1 39.1
91 23.4 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 20.284 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBSD01

Tgt Ion:146 Resp: 75170

Ion Ratio Lower Upper

146 100

111 42.2 21.9 65.7

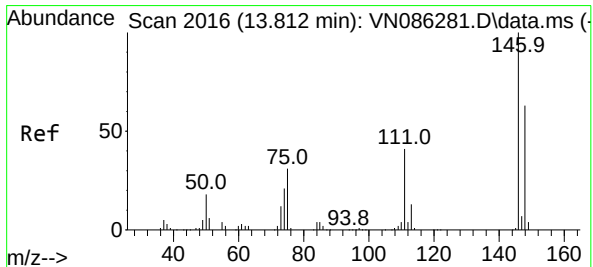
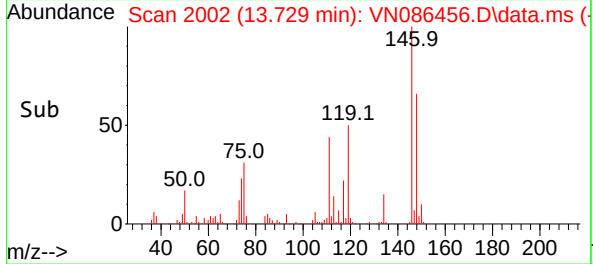
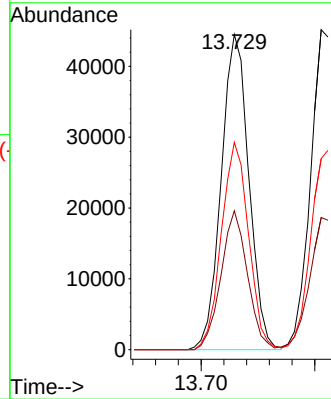
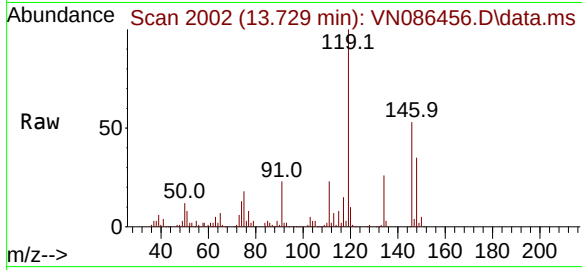
148 64.7 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#88

1,4-Dichlorobenzene

Concen: 20.617 ug/l

RT: 13.806 min Scan# 2015

Delta R.T. -0.006 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

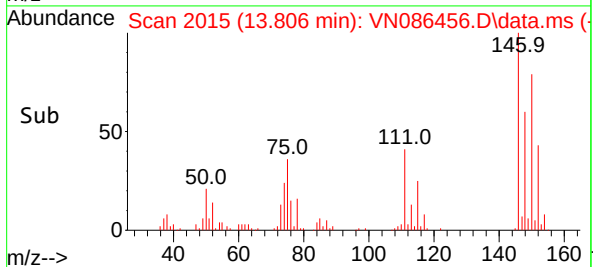
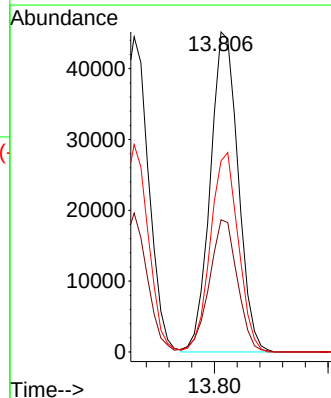
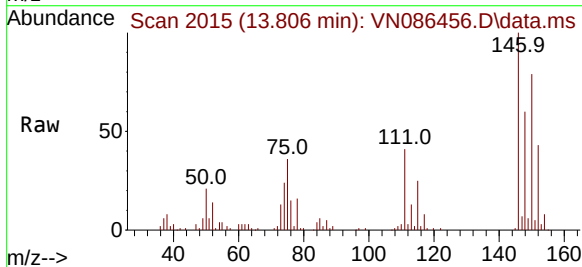
Tgt Ion:146 Resp: 76961

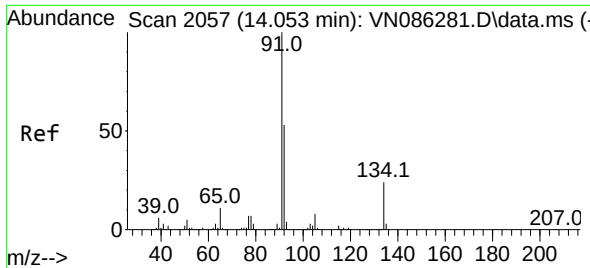
Ion Ratio Lower Upper

146 100

111 41.8 21.3 63.9

148 62.5 31.9 95.9





#89

n-Butylbenzene

Concen: 18.131 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBSD01

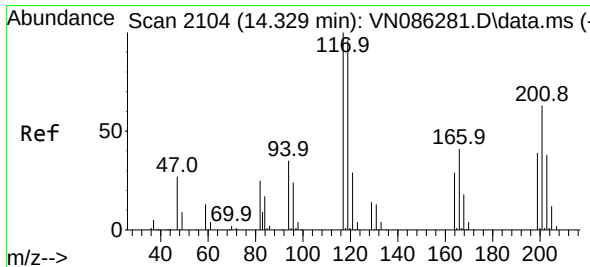
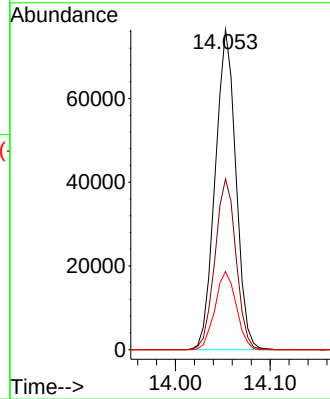
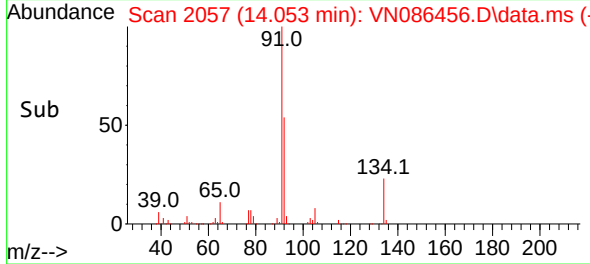
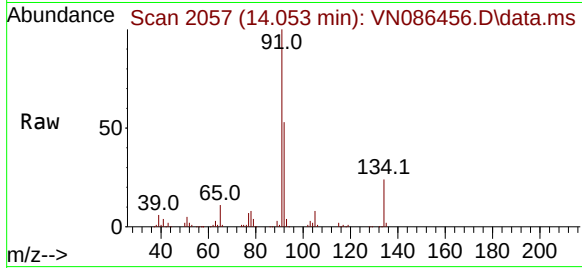
Tgt Ion:	91	Resp:	11594
Ion Ratio	Lower	Upper	
91	100		
92	54.2	26.8	80.4
134	25.1	12.2	36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#90

Hexachloroethane

Concen: 18.512 ug/l

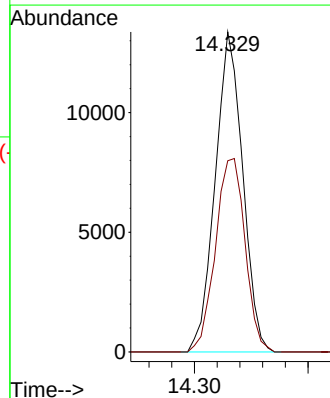
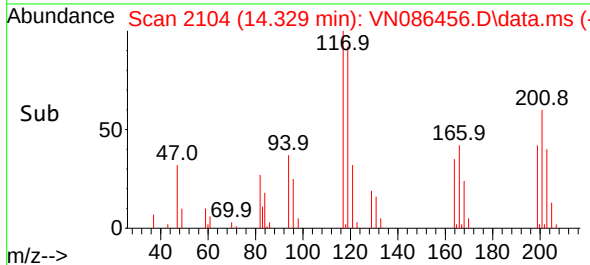
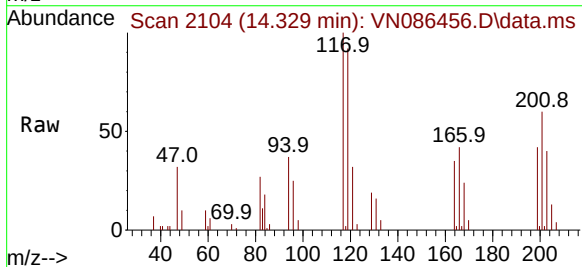
RT: 14.329 min Scan# 2104

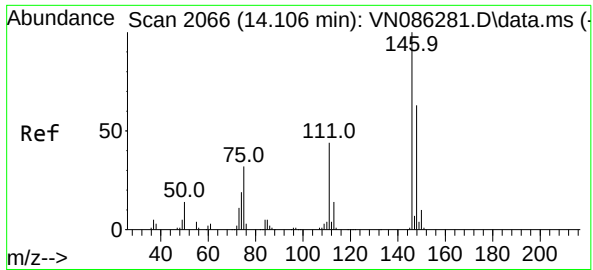
Delta R.T. 0.000 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

Tgt Ion:	117	Resp:	22465
Ion Ratio	Lower	Upper	
117	100		
201	65.1	31.4	94.2





#91

1,2-Dichlorobenzene

Concen: 20.859 ug/l

RT: 14.100 min Scan# 2066

Delta R.T. -0.006 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBSD01

Tgt Ion:146 Resp: 7495

Ion Ratio Lower Upper

146 100

111 42.8 22.4 67.0

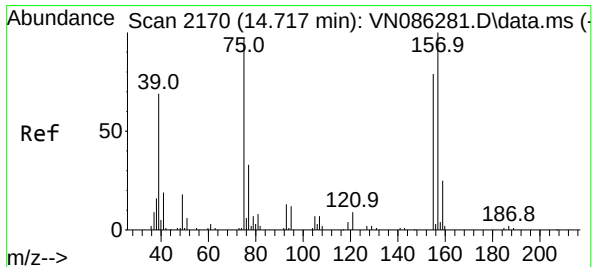
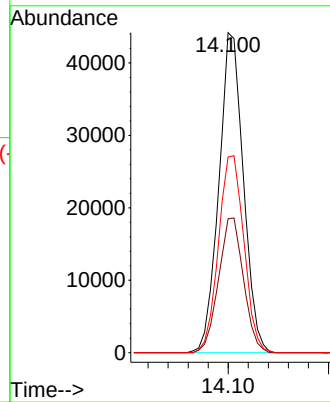
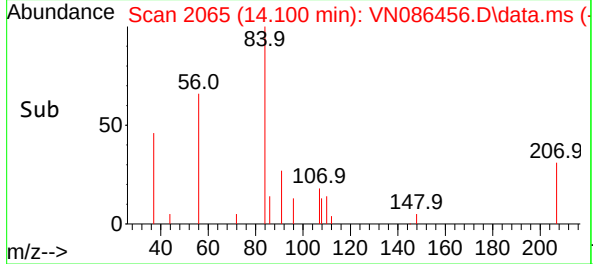
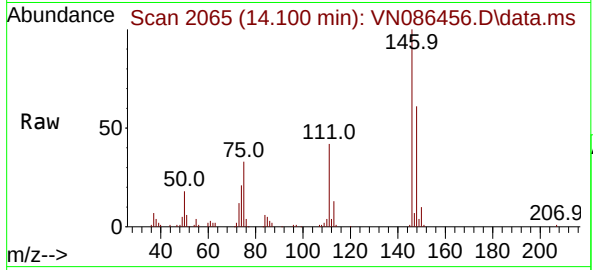
148 63.9 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.981 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. 0.000 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

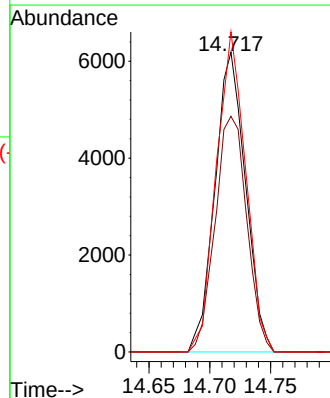
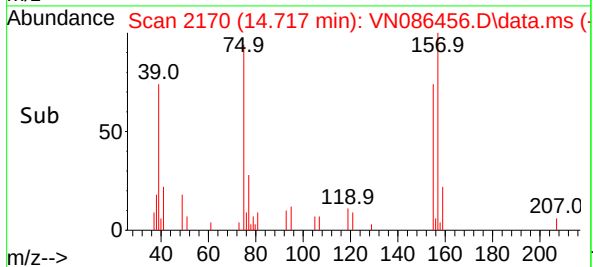
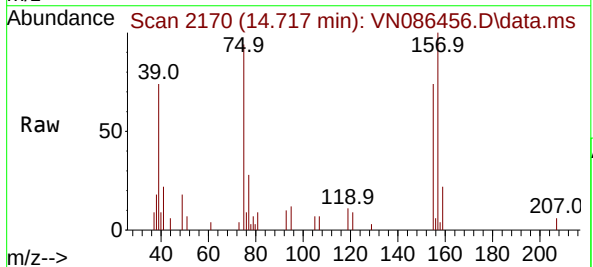
Tgt Ion: 75 Resp: 10823

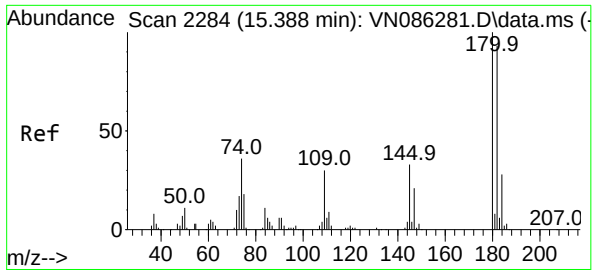
Ion Ratio Lower Upper

75 100

155 81.3 40.3 120.9

157 102.4 49.0 147.2





#93

1,2,4-Trichlorobenzene

Concen: 20.041 ug/l

RT: 15.388 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBSD01

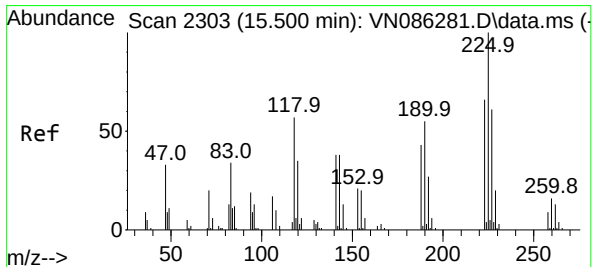
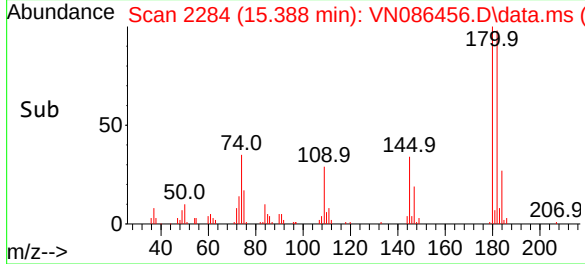
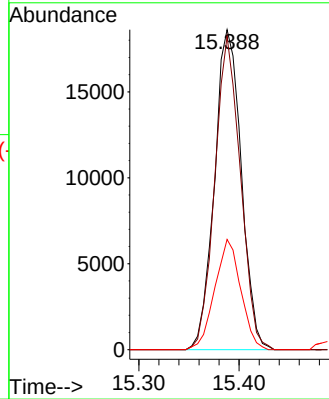
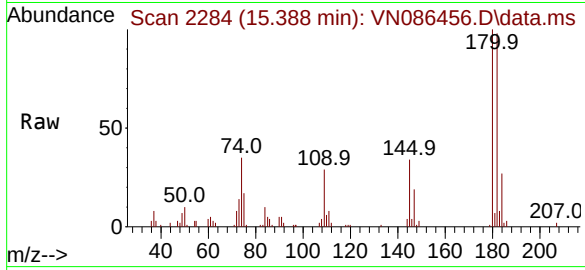
Tgt Ion:	180	Resp:	3448
Ion Ratio	Lower	Upper	
180	100		
182	93.6	47.0	141.0
145	33.4	16.4	49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/05/2025

Supervised By :Semsettin Yesilyurt 05/05/2025



#94

Hexachlorobutadiene

Concen: 18.688 ug/l

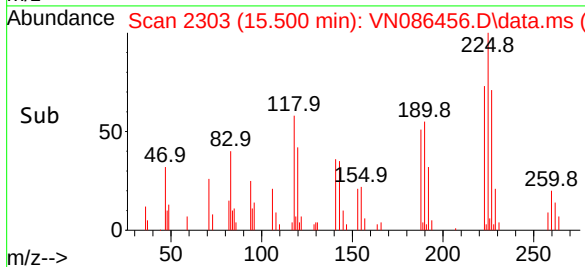
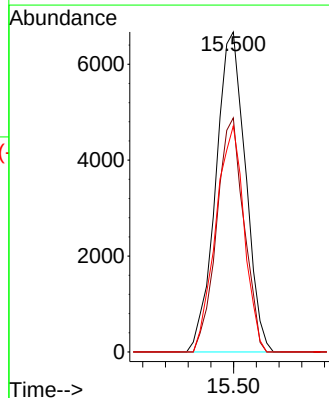
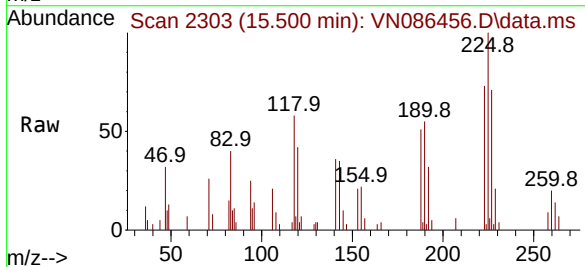
RT: 15.500 min Scan# 2303

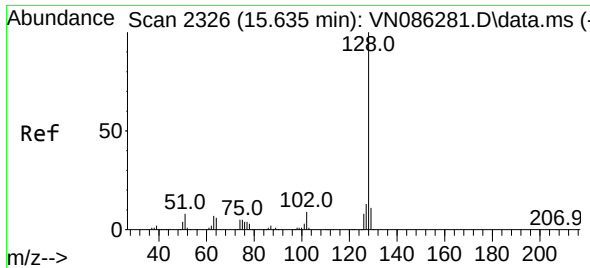
Delta R.T. 0.000 min

Lab File: VN086456.D

Acq: 02 May 2025 12:14

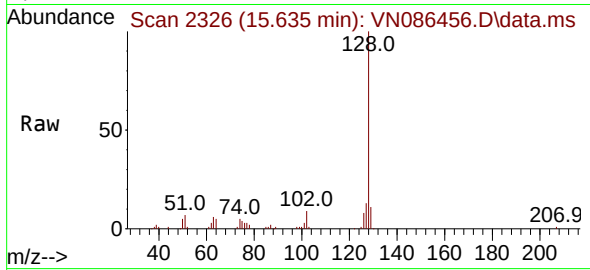
Tgt Ion:	225	Resp:	12138
Ion Ratio	Lower	Upper	
225	100		
223	67.4	32.8	98.3
227	67.3	31.4	94.0





#95
Naphthalene
Concen: 19.721 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

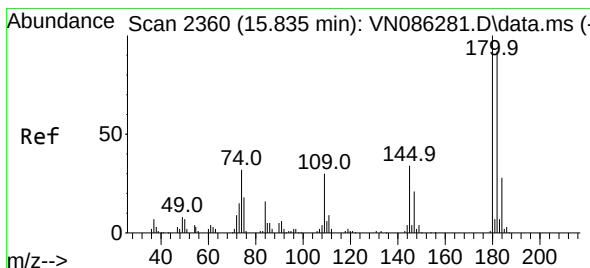
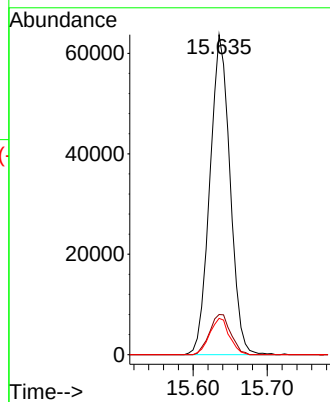
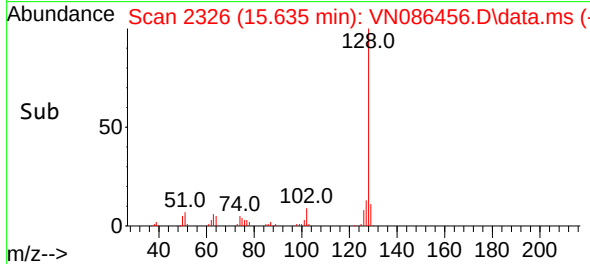
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01



Tgt Ion:128 Resp: 12028
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 11.1 8.6 13.0

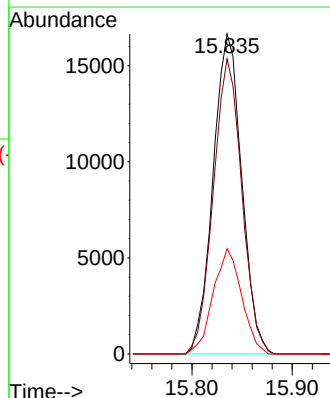
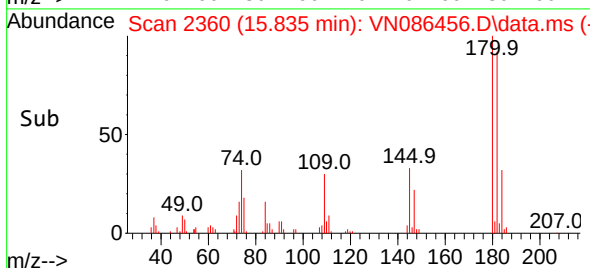
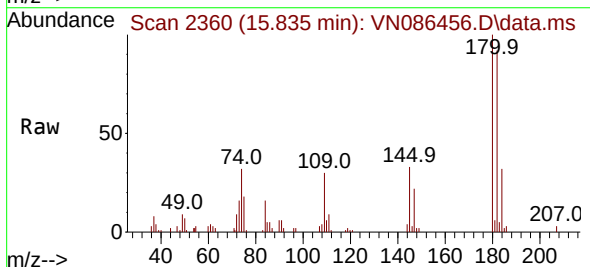
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.275 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086456.D
Acq: 02 May 2025 12:14

Tgt Ion:180 Resp: 33027
Ion Ratio Lower Upper
180 100
182 92.0 47.3 142.0
145 32.8 17.2 51.5



Manual Integration Report

Sequence:	VN041525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086277.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:06:57 AM	SAM	4/16/2025 3:43:50 PM	Peak Integrated by Software
VSTDICC001	VN086277.D	1,4-Dichlorobenzene	JOHN	4/16/2025 9:06:57 AM	SAM	4/16/2025 3:43:50 PM	Peak Integrated by Software
VSTDICC001	VN086277.D	Acetone	JOHN	4/16/2025 9:06:57 AM	SAM	4/16/2025 3:43:50 PM	Peak Integrated by Software
VSTDICC005	VN086278.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:03 AM	SAM	4/16/2025 3:44:01 PM	Peak Integrated by Software
VSTDICC005	VN086278.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:03 AM	SAM	4/16/2025 3:44:01 PM	Peak Integrated by Software
VSTDICC005	VN086278.D	Vinyl Acetate	JOHN	4/16/2025 9:07:03 AM	SAM	4/16/2025 3:44:01 PM	Peak Integrated by Software
VSTDICC010	VN086279.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:07 AM	SAM	4/16/2025 3:44:03 PM	Peak Integrated by Software
VSTDICC010	VN086279.D	Allyl chloride	JOHN	4/16/2025 9:07:07 AM	SAM	4/16/2025 3:44:03 PM	Peak Integrated by Software
VSTDICC020	VN086280.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:11 AM	SAM	4/16/2025 3:44:07 PM	Peak Integrated by Software
VSTDICC020	VN086280.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:11 AM	SAM	4/16/2025 3:44:07 PM	Peak Integrated by Software
VSTDICC020	VN086280.D	Vinyl Acetate	JOHN	4/16/2025 9:07:11 AM	SAM	4/16/2025 3:44:07 PM	Peak Integrated by Software
VSTDICCC050	VN086281.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:15 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software
VSTDICCC050	VN086281.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:15 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VN041525

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN086282.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:19 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software
VSTDICC100	VN086282.D	trans-1,4-Dichloro-2-butene	JOHN	4/16/2025 9:07:19 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software
VSTDICV050	VN086284.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:24 AM	SAM	4/16/2025 3:44:13 PM	Peak Integrated by Software
VSTDICV050	VN086284.D	trans-1,4-Dichloro-2-butene	JOHN	4/16/2025 9:07:24 AM	SAM	4/16/2025 3:44:13 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

vn050225

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086451.D	1,2,3-Trichloropropane	JOHN	5/5/2025 9:53:28 AM	Sam	5/5/2025 2:52:20 PM	Peak Integrated by Software
VN0502WBS01	VN086454.D	1,2,3-Trichloropropane	JOHN	5/5/2025 9:53:33 AM	Sam	5/5/2025 2:52:23 PM	Peak Integrated by Software
VN0502WBSD01	VN086456.D	1,2,3-Trichloropropane	JOHN	5/5/2025 9:53:38 AM	Sam	5/5/2025 2:52:26 PM	Peak Integrated by Software
VSTDCCC050	VN086476.D	1,2,3-Trichloropropane	JOHN	5/5/2025 9:55:08 AM	Sam	5/5/2025 2:53:28 PM	Peak Integrated by Software

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN041525

Review By	John Carlone	Review On	4/16/2025 9:07:40 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/16/2025 3:44:21 PM		
SubDirectory	VN041525	HP Acquire Method	MSVOA_N	HP Processing Method	82N041525W.M
STD. NAME		STD REF.#			
Tune/Reschk		VP133665			
Initial Calibration Stds		VP133667,VP133668,VP133669,VP133670,VP133671,VP133672			
CCC					
Internal Standard/PEM		VP131746			
ICV/I.BLK		VP133673			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086276.D	15 Apr 2025 10:47	JC\MD	Ok
2	VSTDIC001	VN086277.D	15 Apr 2025 11:29	JC\MD	Ok,M
3	VSTDIC005	VN086278.D	15 Apr 2025 12:21	JC\MD	Ok,M
4	VSTDIC010	VN086279.D	15 Apr 2025 12:45	JC\MD	Ok,M
5	VSTDIC020	VN086280.D	15 Apr 2025 13:09	JC\MD	Ok,M
6	VSTDIC050	VN086281.D	15 Apr 2025 13:51	JC\MD	Ok,M
7	VSTDIC100	VN086282.D	15 Apr 2025 14:29	JC\MD	Ok,M
8	VIBLK	VN086283.D	15 Apr 2025 15:06	JC\MD	Ok
9	VSTDICV050	VN086284.D	15 Apr 2025 15:30	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN050225

Review By	John Carlone	Review On	5/5/2025 9:55:51 AM
Supervise By	Semsettin Yesilyurt	Supervise On	5/5/2025 2:53:46 PM
SubDirectory	VN050225	HP Acquire Method	HP Processing Method 82N041525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133805		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133806,VP133807		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086450.D	02 May 2025 08:47	JC\MD	Ok
2	VSTDCCC050	VN086451.D	02 May 2025 09:21	JC\MD	Ok,M
3	VN0502MBL01	VN086452.D	02 May 2025 09:58	JC\MD	Ok
4	VN0502WBL01	VN086453.D	02 May 2025 10:22	JC\MD	Ok
5	VN0502WBS01	VN086454.D	02 May 2025 11:26	JC\MD	Ok,M
6	PB167816ZHE#01	VN086455.D	02 May 2025 11:50	JC\MD	Ok
7	VN0502WBSD01	VN086456.D	02 May 2025 12:14	JC\MD	Ok,M
8	PB167816ZHE#02	VN086457.D	02 May 2025 12:38	JC\MD	Ok
9	PB167816ZHE#03	VN086458.D	02 May 2025 13:03	JC\MD	Ok,M
10	PB167816ZHE#04	VN086459.D	02 May 2025 13:27	JC\MD	Ok,M
11	PB167816ZHE#05	VN086460.D	02 May 2025 13:51	JC\MD	Ok,M
12	PB167816ZHE#06	VN086461.D	02 May 2025 14:15	JC\MD	Ok,M
13	PB167816ZHE#07	VN086462.D	02 May 2025 14:40	JC\MD	Ok,M
14	PB167816ZHE#08	VN086463.D	02 May 2025 15:04	JC\MD	Ok,M
15	PB167816ZHE#09	VN086464.D	02 May 2025 15:28	JC\MD	Ok,M
16	PB167816ZHE#10	VN086465.D	02 May 2025 15:52	JC\MD	Ok,M
17	PB167816ZHE#11	VN086466.D	02 May 2025 16:17	JC\MD	Ok,M
18	PB167816ZHE#12	VN086467.D	02 May 2025 16:41	JC\MD	Ok,M
19	PB167816ZHE#13	VN086468.D	02 May 2025 17:05	JC\MD	Ok,M
20	PB167816ZHE#14	VN086469.D	02 May 2025 17:30	JC\MD	Ok,M
21	PB167816ZHE#15	VN086470.D	02 May 2025 17:54	JC\MD	Ok,M

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN050225

Review By	John Carlone	Review On	5/5/2025 9:55:51 AM
Supervise By	Semsettin Yesilyurt	Supervise On	5/5/2025 2:53:46 PM
SubDirectory	VN050225	HP Acquire Method	HP Processing Method 82N041525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133805		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133806,VP133807		

22	PB167816ZHE#16	VN086471.D	02 May 2025 18:18	JC\MD	Ok,M
23	PB167816ZHE#17	VN086472.D	02 May 2025 18:43	JC\MD	Ok,M
24	Q1940-04	VN086473.D	02 May 2025 19:07	JC\MD	Ok
25	Q1940-05	VN086474.D	02 May 2025 19:31	JC\MD	Ok
26	Q1940-06	VN086475.D	02 May 2025 19:56	JC\MD	Ok
27	VSTDCCC050	VN086476.D	02 May 2025 20:20	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN041525

Review By	John Carlone	Review On	4/16/2025 9:07:40 AM
Supervise By	Semsettin Yesilyurt	Supervise On	4/16/2025 3:44:21 PM
SubDirectory	VN041525	HP Acquire Method	MSVOA_N HP Processing Method 82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133665 VP133667,VP133668,VP133669,VP133670,VP133671,VP133672
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131746 VP133673

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086276.D	15 Apr 2025 10:47		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN086277.D	15 Apr 2025 11:29		JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN086278.D	15 Apr 2025 12:21	Comp.#13,16 is on Linear Regression	JC\MD	Ok,M
4	VSTDICC010	VSTDICC010	VN086279.D	15 Apr 2025 12:45	Comp.#43 is on Quadratic Regression	JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN086280.D	15 Apr 2025 13:09		JC\MD	Ok,M
6	VSTDICCC050	VSTDICCC050	VN086281.D	15 Apr 2025 13:51		JC\MD	Ok,M
7	VSTDICC100	VSTDICC100	VN086282.D	15 Apr 2025 14:29		JC\MD	Ok,M
8	VIBLK	VIBLK	VN086283.D	15 Apr 2025 15:06		JC\MD	Ok
9	VSTDICV050	ICVVN041525	VN086284.D	15 Apr 2025 15:30		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN050225

Review By	John Carlone	Review On	5/5/2025 9:55:51 AM
Supervise By	Semsettin Yesilyurt	Supervise On	5/5/2025 2:53:46 PM
SubDirectory	VN050225	HP Acquire Method	HP Processing Method 82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133805
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133806,VP133807

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086450.D	02 May 2025 08:47		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086451.D	02 May 2025 09:21	pH#Lot#V12668	JC\MD	Ok,M
3	VN0502MBL01	VN0502MBL01	VN086452.D	02 May 2025 09:58		JC\MD	Ok
4	VN0502WBL01	VN0502WBL01	VN086453.D	02 May 2025 10:22		JC\MD	Ok
5	VN0502WBS01	VN0502WBS01	VN086454.D	02 May 2025 11:26		JC\MD	Ok,M
6	PB167816ZHE#01	PB167816ZHE#01	VN086455.D	02 May 2025 11:50		JC\MD	Ok
7	VN0502WBSD01	VN0502WBSD01	VN086456.D	02 May 2025 12:14		JC\MD	Ok,M
8	PB167816ZHE#02	PB167816ZHE#02	VN086457.D	02 May 2025 12:38		JC\MD	Ok
9	PB167816ZHE#03	PB167816ZHE#03	VN086458.D	02 May 2025 13:03		JC\MD	Ok,M
10	PB167816ZHE#04	PB167816ZHE#04	VN086459.D	02 May 2025 13:27		JC\MD	Ok,M
11	PB167816ZHE#05	PB167816ZHE#05	VN086460.D	02 May 2025 13:51		JC\MD	Ok,M
12	PB167816ZHE#06	PB167816ZHE#06	VN086461.D	02 May 2025 14:15		JC\MD	Ok,M
13	PB167816ZHE#07	PB167816ZHE#07	VN086462.D	02 May 2025 14:40		JC\MD	Ok,M
14	PB167816ZHE#08	PB167816ZHE#08	VN086463.D	02 May 2025 15:04		JC\MD	Ok,M
15	PB167816ZHE#09	PB167816ZHE#09	VN086464.D	02 May 2025 15:28		JC\MD	Ok,M
16	PB167816ZHE#10	PB167816ZHE#10	VN086465.D	02 May 2025 15:52		JC\MD	Ok,M
17	PB167816ZHE#11	PB167816ZHE#11	VN086466.D	02 May 2025 16:17		JC\MD	Ok,M
18	PB167816ZHE#12	PB167816ZHE#12	VN086467.D	02 May 2025 16:41		JC\MD	Ok,M

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN050225

Review By	John Carlone	Review On	5/5/2025 9:55:51 AM
Supervise By	Semsettin Yesilyurt	Supervise On	5/5/2025 2:53:46 PM
SubDirectory	VN050225	HP Acquire Method	HP Processing Method 82N041525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133805		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133806,VP133807		

19	PB167816ZHE#13	PB167816ZHE#13	VN086468.D	02 May 2025 17:05		JC\MD	Ok,M
20	PB167816ZHE#14	PB167816ZHE#14	VN086469.D	02 May 2025 17:30		JC\MD	Ok,M
21	PB167816ZHE#15	PB167816ZHE#15	VN086470.D	02 May 2025 17:54		JC\MD	Ok,M
22	PB167816ZHE#16	PB167816ZHE#16	VN086471.D	02 May 2025 18:18		JC\MD	Ok,M
23	PB167816ZHE#17	PB167816ZHE#17	VN086472.D	02 May 2025 18:43		JC\MD	Ok,M
24	Q1940-04	MW-1	VN086473.D	02 May 2025 19:07	vial A pH<2	JC\MD	Ok
25	Q1940-05	MW-2	VN086474.D	02 May 2025 19:31	vial A pH<2	JC\MD	Ok
26	Q1940-06	MW-3	VN086475.D	02 May 2025 19:56	vial A pH<2	JC\MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VN086476.D	02 May 2025 20:20		JC\MD	Ok,M

M : Manual Integration



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Environmental
ADDRESS: 8 Carriage
CITY: Success STATE: NJ ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: DOVER
PROJECT NO.: LOCATION: NJ
PROJECT MANAGER: EL
e-mail:
PHONE: 973 294 1771 FAX:

CLIENT BILLING INFORMATION

BILL TO: Environmental PO#:
ADDRESS: 8 Carriage
CITY: Success STATE: NJ ZIP:
ATTENTION: PHONE:
ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: 10/25/25 excel pdf DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
EDD FORMAT 10/25/25

TEL 973 294 1771

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	MW1	GW		X	4/30/25	1245	2	X									
2.	MW2	GW		X	4/30/25	1238	2	X									
3.	MW3	GW		X	4/30/25	1245	2	X									
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>Hand</u>	DATE/TIME: <u>5/11/25 1423</u>	RECEIVED BY: <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>2-3°C</u> °C
RELINQUISHED BY SAMPLER: 2. <u></u>	DATE/TIME: <u></u>	RECEIVED BY: <u></u>	Comments: <u>DOVER MW1 MW2 MW3</u>
RELINQUISHED BY SAMPLER: 3. <u></u>	DATE/TIME: <u></u>	RECEIVED BY: <u></u>	<u>Must be kept +1 in cool box</u>
Page <u></u> of <u></u>			CLIENT: ☐ Hand Delivered ☐ Other <u></u> Shipment Complete ☐ YES ☐ NO

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1940 GENV01

Order Date : 5/1/2025 2:54:19 PM

Project Mgr :

Client Name : G Environmental

Project Name : Dover

Report Type : ~~Level I~~ *NJ Reduce*

Client Contact : Gary Landis

Receive DateTime : 5/1/2025 12:00:00 AM

EDD Type : Excel NJ

Invoice Name : G Environmental

Purchase Order :

14:23

Hard Copy Date :

Invoice Contact : Gary Landis

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1940-04	MW-1	Water	04/30/2025	12:15					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1940-05	MW-2	Water	04/30/2025	12:32					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1940-06	MW-3	Water	04/30/2025	12:45					
					VOCMS Group1		8260-Low	10 Bus. Days	

*Stored in VOA
ref # 04*

Relinquished By :

Date / Time :

cf
5/1/25 1520

Received By :

Date / Time :

mmDadod
5-1-25 15:30

Storage Area : VOA Refridgerator Room