

Cover Page

Order ID : Q2079

Project ID : 540 Degraw St, Brooklyn, NY - E9309

Client : ENTACT

Lab Sample Number

Q2079-01
Q2079-02
Q2079-03
Q2079-04
Q2079-05
Q2079-06
Q2079-07
Q2079-08
Q2079-09
Q2079-10
Q2079-11
Q2079-12

Client Sample Number

WC-A2-01-G
WC-A2-01-C
WC-A2-01-C
WC-A2-01-C
WC-A2-02-G
WC-A2-02-C
WC-A2-02-C
WC-A2-02-C
WC-A2-03-G
WC-A2-03-C
WC-A2-03-C
WC-A2-03-C

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: 6/2/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

ENTACT

Project Name: 540 Degraw St, Brooklyn, NY - E9309

Project # N/A

Order ID # Q2079

Test Name: TCLP VOA

A. Number of Samples and Date of Receipt:

12 Solid samples were received on 05/19/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, Corrosivity, Ignitability, Oil and Grease, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TCLP Metals Group2, TS and TVS. This data package contains results for TCLP VOA.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868. The analysis of TCLP VOA was based on method 8260D and TCLP extraction method was 1311.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for, WC-A2-01-G [Dibromofluoromethane - 68%], WC-A2-01-GRE [Dibromofluoromethane - 67%], this compound did not meet the NJDKQP criteria and in-house criteria, the failure samples in surrogates were reanalyzed to confirm the failure as per method and reported while for,

WC-A2-02-G [Dibromofluoromethane - 73%], WC-A2-02-GRE [Dibromofluoromethane - 74%]. This compound meet the NJDKQP criteria but did not met the in-house criteria, the failure samples in surrogates were reanalyzed to confirm the failure as per method and reported while for.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria.

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



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

E. Additional Comments:

This data Package has been revised due to Form-1 and Hit summary are reported in mg/L as per client request.

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 #: Q2079

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRATIK PATEL

Date: 06/02/2025

LAB CHRONICLE

OrderID:	Q2079	OrderDate:	5/19/2025 2:22:00 PM
Client:	ENTACT	Project:	540 Degraw St, Brooklyn, NY - E9309
Contact:	Jarod Stanfield	Location:	L31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2079-01	WC-A2-01-G	TCLP	TCLP VOA	8260D	05/13/25		05/21/25	05/19/25
Q2079-01RE	WC-A2-01-GRE	TCLP	TCLP VOA	8260D	05/13/25		05/22/25	05/19/25
Q2079-05	WC-A2-02-G	TCLP	TCLP VOA	8260D	05/13/25		05/21/25	05/19/25
Q2079-05RE	WC-A2-02-GRE	TCLP	TCLP VOA	8260D	05/13/25		05/22/25	05/19/25
Q2079-09	WC-A2-03-G	TCLP	TCLP VOA	8260D	05/13/25		05/21/25	05/19/25

Hit Summary Sheet
SW-846

SDG No.: Q2079

Client: ENTACT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	WC-A2-01-G							
Q2079-01	WC-A2-01-G	TCLP	Vinyl Chloride	0.0043	J	0.00026	0.0050	mg/L
Q2079-01	WC-A2-01-G	TCLP	Benzene	0.0099		0.00015	0.0050	mg/L
			Total Voc :	0.014				
			Total Concentration:	0.014				
Client ID:	WC-A2-01-GRE							
Q2079-01RE	WC-A2-01-GRE	TCLP	Vinyl Chloride	0.0046	J	0.00026	0.0050	mg/L
Q2079-01RE	WC-A2-01-GRE	TCLP	Benzene	0.010		0.00015	0.0050	mg/L
			Total Voc :	0.015				
			Total Concentration:	0.015				
Client ID:	WC-A2-02-G							
Q2079-05	WC-A2-02-G	TCLP	Benzene	0.014		0.00015	0.0050	mg/L
			Total Voc :	0.014				
			Total Concentration:	0.014				
Client ID:	WC-A2-02-GRE							
Q2079-05RE	WC-A2-02-GRE	TCLP	Benzene	0.014		0.00015	0.0050	mg/L
			Total Voc :	0.014				
			Total Concentration:	0.014				
Client ID:	WC-A2-03-G							
Q2079-09	WC-A2-03-G	TCLP	2-Butanone	0.0052	J	0.00098	0.025	mg/L
Q2079-09	WC-A2-03-G	TCLP	Benzene	0.011		0.00015	0.0050	mg/L
			Total Voc :	0.016				
			Total Concentration:	0.016				



QC SUMMARY

Surrogate Summary

SDG No.: Q2079

Client: ENTACT

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2079-01	WC-A2-01-G	1,2-Dichloroethane-d4	50	43.6	87	70 (74)	130 (125)
		Dibromofluoromethane	50	33.9	68 *	70 (75)	130 (124)
		Toluene-d8	50	51.9	104	70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.7	107	70 (77)	130 (121)
Q2079-01RE	WC-A2-01-GRE	1,2-Dichloroethane-d4	50	44.1	88	70 (74)	130 (125)
		Dibromofluoromethane	50	33.7	67 *	70 (75)	130 (124)
		Toluene-d8	50	51.8	104	70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.2	110	70 (77)	130 (121)
Q2079-05	WC-A2-02-G	1,2-Dichloroethane-d4	50	43.6	87	70 (74)	130 (125)
		Dibromofluoromethane	50	36.3	73	70 (75)	130 (124)
		Toluene-d8	50	51.6	103	70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.0	112	70 (77)	130 (121)
Q2079-05RE	WC-A2-02-GRE	1,2-Dichloroethane-d4	50	44.9	90	70 (74)	130 (125)
		Dibromofluoromethane	50	36.8	74	70 (75)	130 (124)
		Toluene-d8	50	51.0	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.4	111	70 (77)	130 (121)
Q2079-09	WC-A2-03-G	1,2-Dichloroethane-d4	50	44.5	89	70 (74)	130 (125)
		Dibromofluoromethane	50	39.1	78	70 (75)	130 (124)
		Toluene-d8	50	51.4	103	70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.3	109	70 (77)	130 (121)
VN0521WBL01	VN0521WBL01	1,2-Dichloroethane-d4	50	53.0	106	70 (74)	130 (125)
		Dibromofluoromethane	50	53.5	107	70 (75)	130 (124)
		Toluene-d8	50	52.6	105	70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.2	108	70 (77)	130 (121)
VN0521WBS01	VN0521WBS01	1,2-Dichloroethane-d4	50	53.9	108	70 (74)	130 (125)
		Dibromofluoromethane	50	53.2	106	70 (75)	130 (124)
		Toluene-d8	50	53.1	106	70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.8	108	70 (77)	130 (121)
VN0521WBSD0	VN0521WBSD01	1,2-Dichloroethane-d4	50	50.0	100	70 (74)	130 (125)
		Dibromofluoromethane	50	51.2	102	70 (75)	130 (124)
		Toluene-d8	50	51.4	103	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.5	103	70 (77)	130 (121)
VN0522WBL01	VN0522WBL01	1,2-Dichloroethane-d4	50	44.2	88	70 (74)	130 (125)
		Dibromofluoromethane	50	50.3	101	70 (75)	130 (124)
		Toluene-d8	50	51.1	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.4	105	70 (77)	130 (121)
VN0522WBS01	VN0522WBS01	1,2-Dichloroethane-d4	50	42.1	84	70 (74)	130 (125)
		Dibromofluoromethane	50	49.8	100	70 (75)	130 (124)
		Toluene-d8	50	49.3	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.3	97	70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2079

Client: ENTACT

Analytical Method: SW8260D

Datafile : VN086726.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0521WBS01	Vinyl chloride	20	21.2	ug/L	106			70 (65)	130 (117)	
	1,1-Dichloroethene	20	20.4	ug/L	102			70 (74)	130 (110)	
	2-Butanone	100	110	ug/L	110			40 (65)	160 (122)	
	Carbon Tetrachloride	20	20.7	ug/L	104			70 (77)	130 (113)	
	Chloroform	20	21.0	ug/L	105			70 (79)	130 (113)	
	Benzene	20	20.9	ug/L	104			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.1	ug/L	106			70 (80)	130 (115)	
	Trichloroethene	20	20.7	ug/L	104			70 (77)	130 (113)	
	Tetrachloroethene	20	20.9	ug/L	104			70 (67)	130 (123)	
	Chlorobenzene	20	20.1	ug/L	101			70 (82)	130 (109)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2079

Client: ENTACT

Analytical Method: SW8260D

Datafile : VN086728.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0521WBSD01	Vinyl chloride	20	19.6	ug/L	98	8		70 (65)	130 (117)	20 (20)
	1,1-Dichloroethene	20	18.9	ug/L	95	7		70 (74)	130 (110)	20 (20)
	2-Butanone	100	93.3	ug/L	93	17		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	19.7	ug/L	99	5		70 (77)	130 (113)	20 (20)
	Chloroform	20	19.1	ug/L	96	9		70 (79)	130 (113)	20 (20)
	Benzene	20	19.6	ug/L	98	6		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	19.1	ug/L	96	10		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.2	ug/L	96	8		70 (77)	130 (113)	20 (20)
	Tetrachloroethene	20	20.1	ug/L	101	3		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.0	ug/L	95	6		70 (82)	130 (109)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2079

Client: ENTACT

Analytical Method: SW8260D

Datafile : VN086753.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0522WBS01	Vinyl chloride	20	15.4	ug/L	77			70 (65)	130 (117)	
	1,1-Dichloroethene	20	16.6	ug/L	83			70 (74)	130 (110)	
	2-Butanone	100	74.6	ug/L	75			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.0	ug/L	90			70 (77)	130 (113)	
	Chloroform	20	15.8	ug/L	79			70 (79)	130 (113)	
	Benzene	20	17.3	ug/L	86			70 (82)	130 (109)	
	1,2-Dichloroethane	20	16.4	ug/L	82			70 (80)	130 (115)	
	Trichloroethene	20	18.5	ug/L	93			70 (77)	130 (113)	
	Tetrachloroethene	20	20.0	ug/L	100			70 (67)	130 (123)	
	Chlorobenzene	20	18.3	ug/L	92			70 (82)	130 (109)	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0521WBL01

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM Case No.: Q2079

SAS No.: Q2079 SDG NO.: Q2079

Lab File ID: VN086724.D

Lab Sample ID: VN0521WBL01

Date Analyzed: 05/21/2025

Time Analyzed: 12:08

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
VN0521WBS01	VN0521WBS01	VN086726.D	05/21/2025
VN0521WBSD01	VN0521WBSD01	VN086728.D	05/21/2025
WC-A2-01-G	Q2079-01	VN086735.D	05/21/2025
WC-A2-02-G	Q2079-05	VN086736.D	05/21/2025
WC-A2-03-G	Q2079-09	VN086737.D	05/21/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0522WBL01

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM Case No.: Q2079

SAS No.: Q2079 SDG NO.: Q2079

Lab File ID: VN086752.D

Lab Sample ID: VN0522WBL01

Date Analyzed: 05/22/2025

Time Analyzed: 09:19

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
VN0522WBS01	VN0522WBS01	VN086753.D	05/22/2025
WC-A2-01-GRE	Q2079-01RE	VN086758.D	05/22/2025
WC-A2-02-GRE	Q2079-05RE	VN086759.D	05/22/2025

COMMENTS: _____



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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05
Lab Code: CHEM Case No.: Q2079 SAS No.: Q2079 SDG NO.: Q2079
Lab File ID: VN086668.D BFB Injection Date: 05/16/2025
Instrument ID: MSVOA_N BFB Injection Time: 15:33
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.9
75	30.0 - 60.0% of mass 95	50
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	74.9
175	5.0 - 9.0% of mass 174	5.7 (7.6) 1
176	95.0 - 101.0% of mass 174	73.6 (98.2) 1
177	5.0 - 9.0% of mass 176	4.5 (6.1) 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	VN086669.D	05/16/2025	16:31
VSTDIC005	VSTDIC005	VN086670.D	05/16/2025	16:55
VSTDIC010	VSTDIC010	VN086671.D	05/16/2025	17:19
VSTDIC020	VSTDIC020	VN086672.D	05/16/2025	17:43
VSTDIC050	VSTDIC050	VN086673.D	05/16/2025	18:08
VSTDIC100	VSTDIC100	VN086674.D	05/16/2025	18:32



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05
Lab Code: CHEM Case No.: Q2079 SAS No.: Q2079 SDG NO.: Q2079
Lab File ID: VN086721.D BFB Injection Date: 05/21/2025
Instrument ID: MSVOA_N BFB Injection Time: 10:37
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.5
75	30.0 - 60.0% of mass 95	49.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	70.2
175	5.0 - 9.0% of mass 174	5.2 (7.3) 1
176	95.0 - 101.0% of mass 174	67.9 (96.8) 1
177	5.0 - 9.0% of mass 176	4.4 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086722.D	05/21/2025	11:10
VN0521WBL01	VN0521WBL01	VN086724.D	05/21/2025	12:08
VN0521WBS01	VN0521WBS01	VN086726.D	05/21/2025	13:05
VN0521WBSD01	VN0521WBSD01	VN086728.D	05/21/2025	13:53
WC-A2-01-G	Q2079-01	VN086735.D	05/21/2025	16:42
WC-A2-02-G	Q2079-05	VN086736.D	05/21/2025	17:06
WC-A2-03-G	Q2079-09	VN086737.D	05/21/2025	17:30



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05
Lab Code: CHEM Case No.: Q2079 SAS No.: Q2079 SDG NO.: Q2079
Lab File ID: VN086749.D BFB Injection Date: 05/22/2025
Instrument ID: MSVOA_N BFB Injection Time: 07:48
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.4
75	30.0 - 60.0% of mass 95	46.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	75.7
175	5.0 - 9.0% of mass 174	5.3 (6.9) 1
176	95.0 - 101.0% of mass 174	73.6 (97.2) 1
177	5.0 - 9.0% of mass 176	4.9 (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	VN086750.D	05/22/2025	08:21
VN0522WBL01	VN0522WBL01	VN086752.D	05/22/2025	09:19
VN0522WBS01	VN0522WBS01	VN086753.D	05/22/2025	09:43
WC-A2-01-GRE	Q2079-01RE	VN086758.D	05/22/2025	11:55
WC-A2-02-GRE	Q2079-05RE	VN086759.D	05/22/2025	12:19

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05
 Lab Code: CHEM Case No.: Q2079 SAS No.: Q2079 SDG NO.: Q2079
 Lab File ID: VN086722.D Date Analyzed: 05/21/2025
 Instrument ID: MSVOA_N Time Analyzed: 11:10
 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	182299	8.22	331408	9.10	299657	11.87
UPPER LIMIT	364598	8.724	662816	9.6	599314	12.365
LOWER LIMIT	91149.5	7.724	165704	8.6	149829	11.365
EPA SAMPLE NO.						
WC-A2-01-G	247245	8.22	450917	9.10	434993	11.86
WC-A2-02-G	257060	8.22	475048	9.10	461977	11.86
WC-A2-03-G	258359	8.22	480749	9.10	461451	11.86
VN0521WBL01	174294	8.22	341228	9.10	334894	11.87
VN0521WBS01	167977	8.22	308282	9.10	282384	11.87
VN0521WBSD01	190593	8.22	345539	9.10	308855	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: ENTA05
 Lab Code: CHEM Case No.: Q2079 SAS No.: Q2079 SDG NO.: Q2079
 Lab File ID: VN086722.D Date Analyzed: 05/21/2025
 Instrument ID: MSVOA_N Time Analyzed: 11:10
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	144979	13.788				
UPPER LIMIT	289958	14.288				
LOWER LIMIT	72489.5	13.288				
EPA SAMPLE NO.						
WC-A2-01-G	194382	13.79				
WC-A2-02-G	216516	13.79				
WC-A2-03-G	215962	13.79				
VN0521WBL01	149145	13.79				
VN0521WBS01	127830	13.79				
VN0521WBSD01	140932	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05
Lab Code: CHEM Case No.: Q2079 SAS No.: Q2079 SDG NO.: Q2079
Lab File ID: VN086750.D Date Analyzed: 05/22/2025
Instrument ID: MSVOA_N Time Analyzed: 08:21
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	268645	8.22	454328	9.09	397309	11.87
UPPER LIMIT	537290	8.724	908656	9.594	794618	12.365
LOWER LIMIT	134323	7.724	227164	8.594	198655	11.365
EPA SAMPLE NO.						
WC-A2-01-GRE	240765	8.22	441543	9.09	433303	11.87
WC-A2-02-GRE	240014	8.22	448142	9.10	429564	11.87
VN0522WBL01	246936	8.22	454612	9.10	435552	11.87
VN0522WBS01	281968	8.22	476790	9.10	414976	11.87

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05
 Lab Code: CHEM Case No.: Q2079 SAS No.: Q2079 SDG NO.: Q2079
 Lab File ID: VN086750.D Date Analyzed: 05/22/2025
 Instrument ID: MSVOA_N Time Analyzed: 08:21
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	188336	13.788				
UPPER LIMIT	376672	14.288				
LOWER LIMIT	94168	13.288				
EPA SAMPLE NO.						
WC-A2-01-GRE	210369	13.79				
WC-A2-02-GRE	215128	13.79				
VN0522WBL01	191535	13.79				
VN0522WBS01	181924	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:	ENTACT	Date Collected:	05/13/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/19/25
Client Sample ID:	WC-A2-01-G	SDG No.:	Q2079
Lab Sample ID:	Q2079-01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086735.D	1		05/21/25 16:42	VN052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.0043	J	0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.00023	U	0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.00098	U	0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.00025	U	0.00025	0.0050	mg/L
67-66-3	Chloroform	0.00025	U	0.00025	0.0050	mg/L
71-43-2	Benzene	0.0099		0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.00022	U	0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.000090	U	0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.00023	U	0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.00012	U	0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.6		70 (74) - 130 (125)	87%	SPK: 50
1868-53-7	Dibromofluoromethane	33.9	*	70 (75) - 130 (124)	68%	SPK: 50
2037-26-5	Toluene-d8	51.9		70 (86) - 130 (113)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.7		70 (77) - 130 (121)	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	247000	8.218			
540-36-3	1,4-Difluorobenzene	451000	9.1			
3114-55-4	Chlorobenzene-d5	435000	11.859			
3855-82-1	1,4-Dichlorobenzene-d4	194000	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\VN052125\
 Data File : VN086735.D
 Acq On : 21 May 2025 16:42
 Operator : JC\MD
 Sample : Q2079-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A2-01-G

Quant Time: May 22 01:26:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

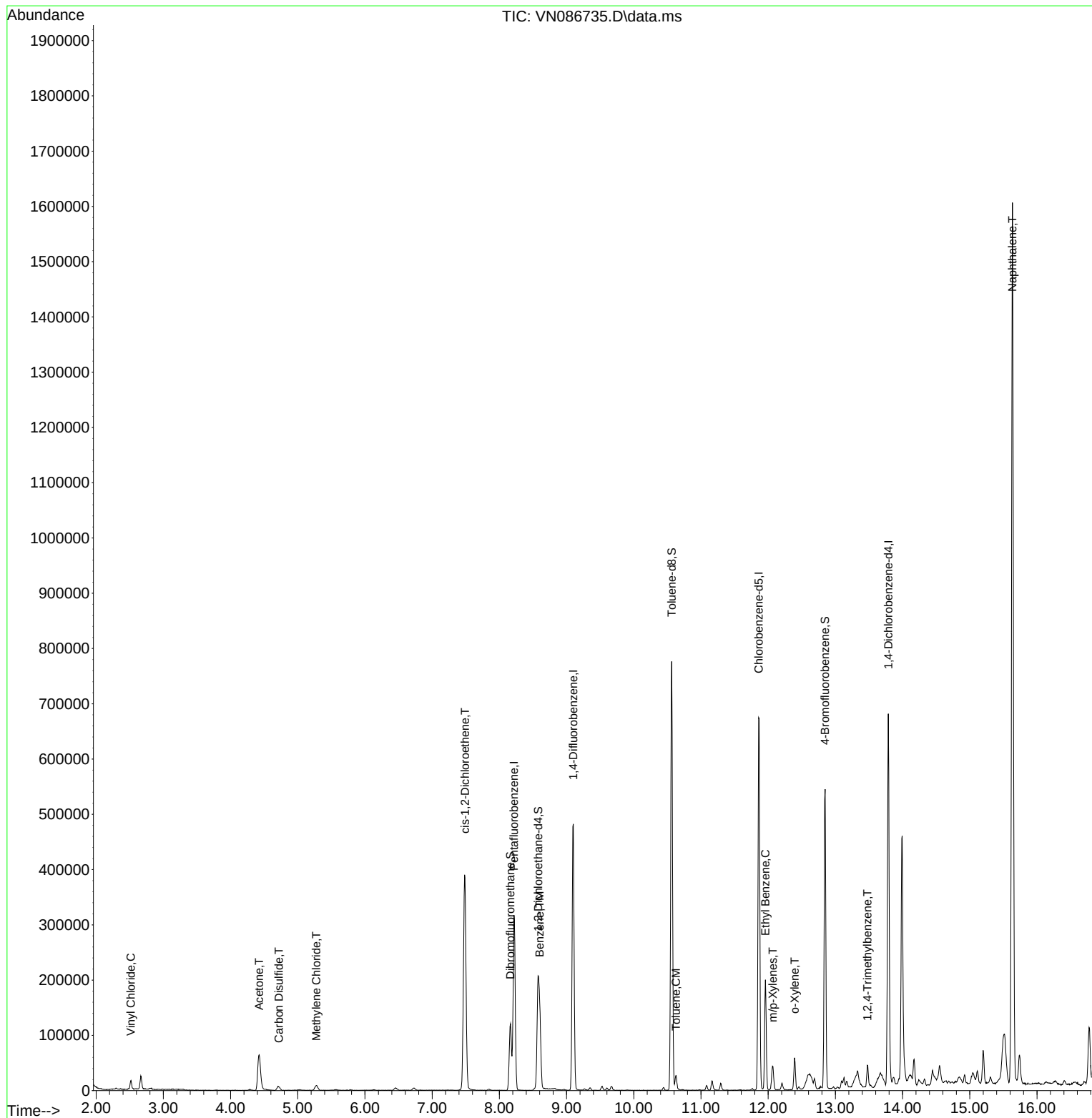
Internal Standards						
1) Pentafluorobenzene	8.218	168	247245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	450917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	434993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	194382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	149026	43.620	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.240%		
35) Dibromofluoromethane	8.165	113	91015	33.893	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	67.780%#		
50) Toluene-d8	10.565	98	577408	51.886	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.780%		
62) 4-Bromofluorobenzene	12.847	95	211049	53.710	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	107.420%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.518	62	15466	4.264	ug/l	94
16) Acetone	4.424	43	126622	99.079	ug/l	93
17) Carbon Disulfide	4.718	76	8044	1.054	ug/l	100
20) Methylene Chloride	5.277	84	7826	2.321	ug/l	88
27) cis-1,2-Dichloroethene	7.488	96	254734	71.178	ug/l	89
40) Benzene	8.600	78	128406	9.937	ug/l	97
52) Toluene	10.629	92	12038	1.499	ug/l	99
67) Ethyl Benzene	11.959	91	149495	9.150	ug/l	98
68) m/p-Xylenes	12.071	106	15745	2.544	ug/l	95
69) o-Xylene	12.394	106	16547	2.690	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	25201	2.104	ug/l	97
95) Naphthalene	15.635	128	1559299	171.046	ug/l	100

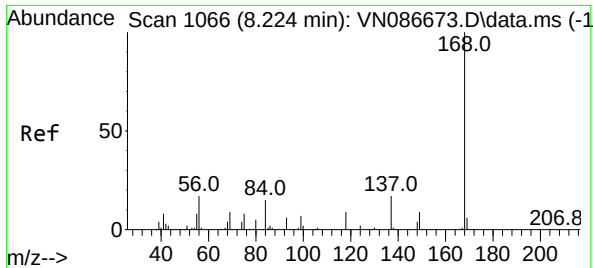
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
Data File : VN086735.D
Acq On : 21 May 2025 16:42
Operator : JC\MD
Sample : Q2079-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-01-G

Quant Time: May 22 01:26:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

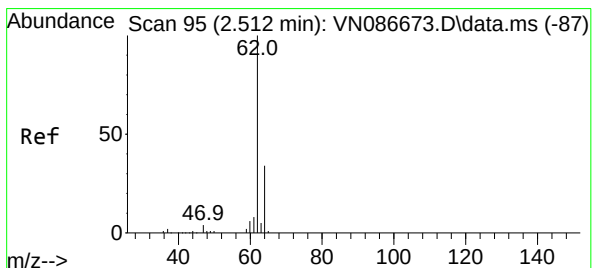
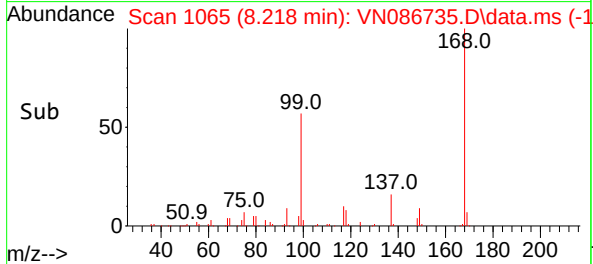
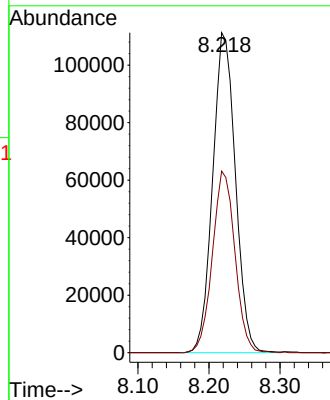
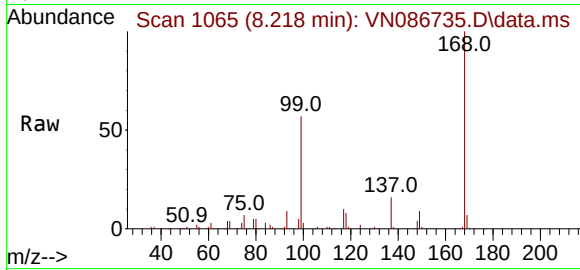




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN086735.D
Acq: 21 May 2025 16:42

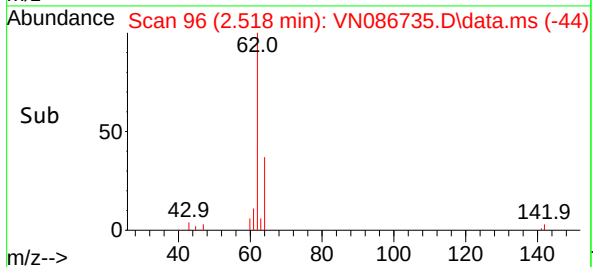
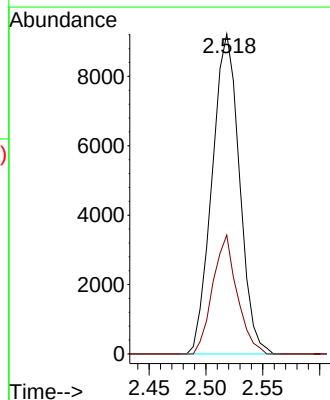
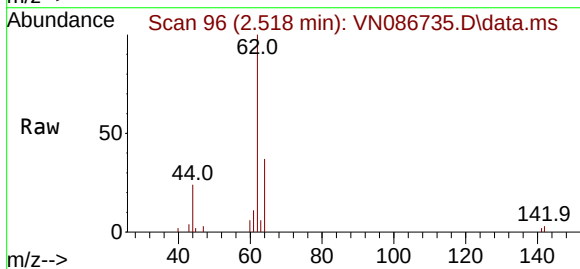
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-01-G

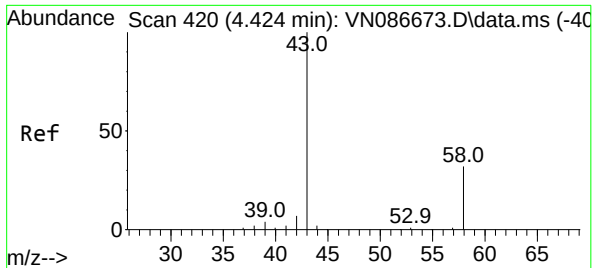
Tgt Ion:168 Resp: 247245
Ion Ratio Lower Upper
168 100
99 56.7 47.0 70.4



#4
Vinyl Chloride
Concen: 4.264 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN086735.D
Acq: 21 May 2025 16:42

Tgt Ion: 62 Resp: 15466
Ion Ratio Lower Upper
62 100
64 37.2 26.9 40.3

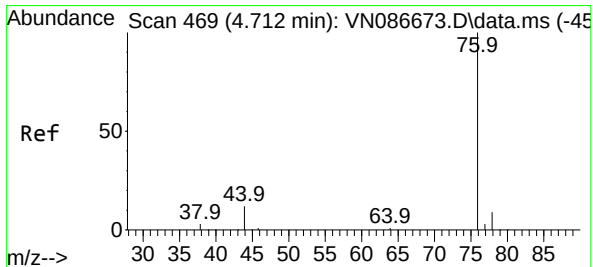
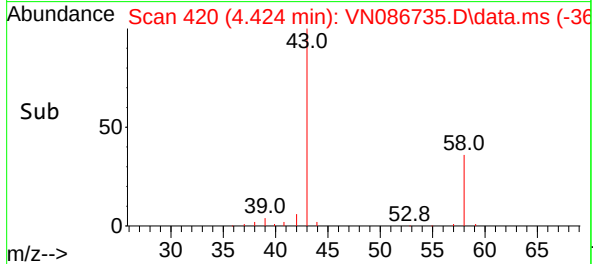
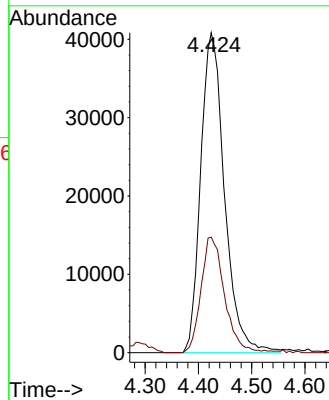
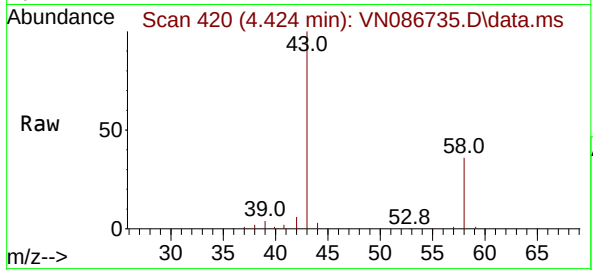




#16
Acetone
Concen: 99.079 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086735.D
Acq: 21 May 2025 16:42

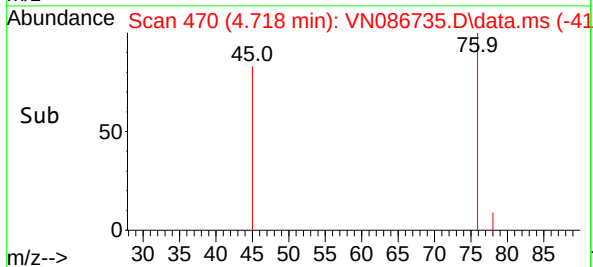
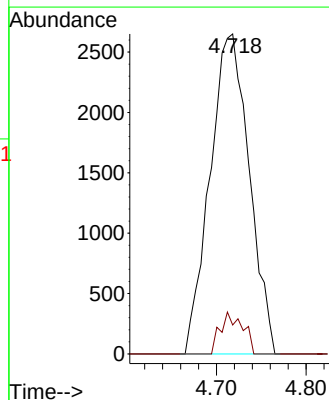
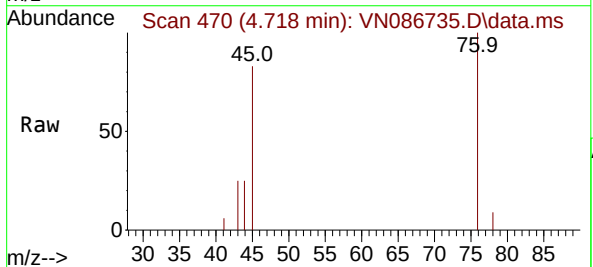
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-01-G

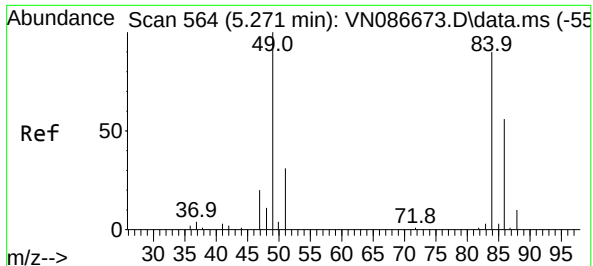
Tgt Ion: 43 Resp: 126622
Ion Ratio Lower Upper
43 100
58 36.1 25.8 38.6



#17
Carbon Disulfide
Concen: 1.054 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN086735.D
Acq: 21 May 2025 16:42

Tgt Ion: 76 Resp: 8044
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

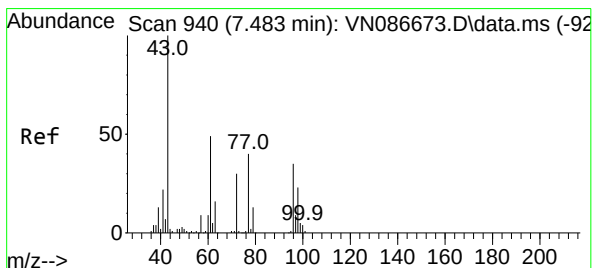
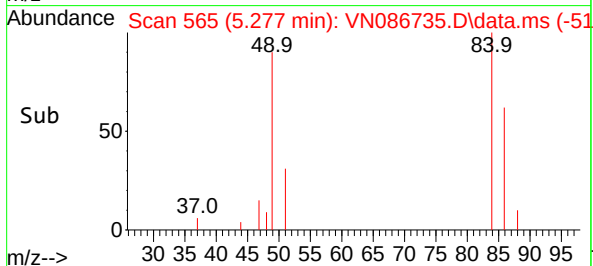
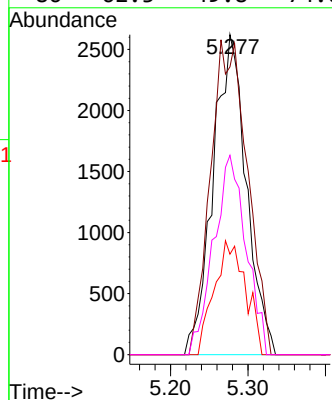
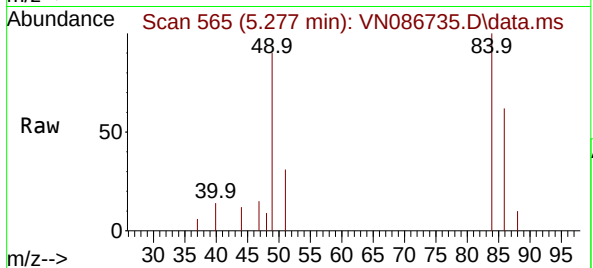




#20
Methylene Chloride
Concen: 2.321 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086735.D
Acq: 21 May 2025 16:42

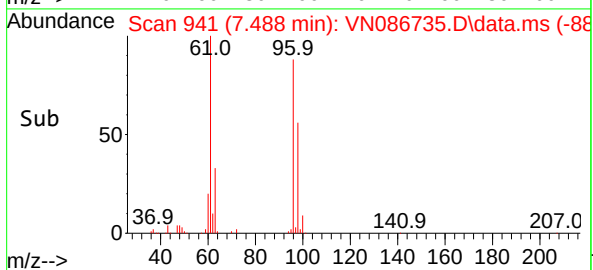
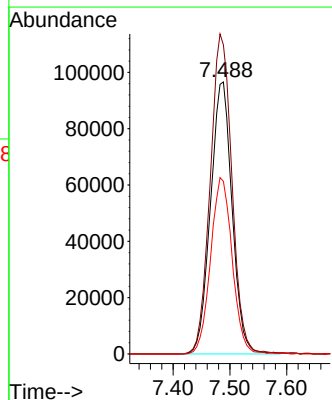
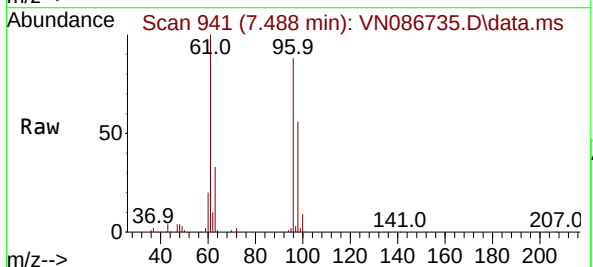
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-01-G

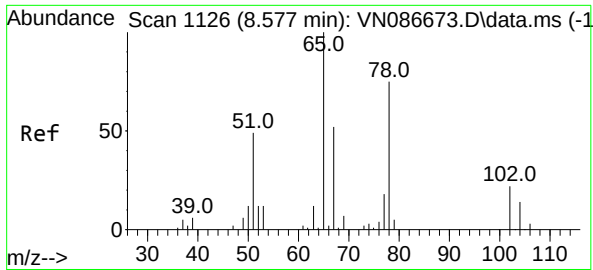
Tgt Ion: 84	Resp: 7826
Ion Ratio	Lower Upper
84 100	
49 89.9	88.8 133.2
51 31.4	27.8 41.6
86 62.3	49.8 74.6



#27
cis-1,2-Dichloroethene
Concen: 71.178 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086735.D
Acq: 21 May 2025 16:42

Tgt Ion: 96	Resp: 254734
Ion Ratio	Lower Upper
96 100	
61 118.3	0.0 277.4
98 64.8	0.0 129.6





#33

1,2-Dichloroethane-d4

Concen: 43.620 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086735.D

Acq: 21 May 2025 16:42

Instrument :

MSVOA_N

ClientSampleId :

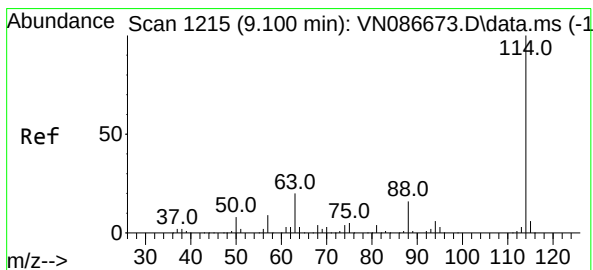
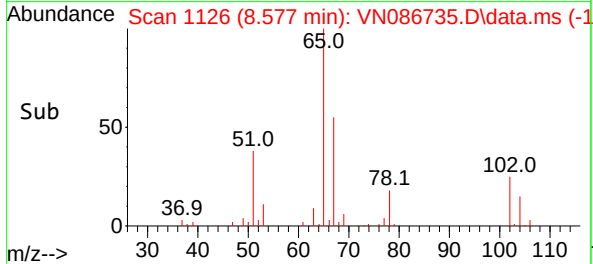
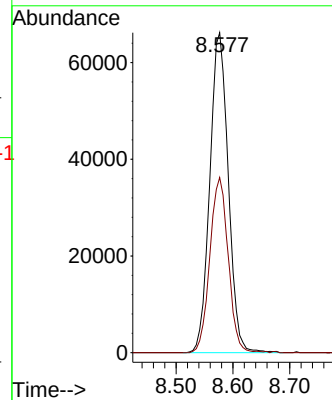
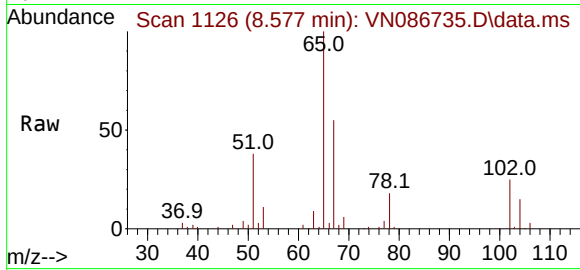
WC-A2-01-G

Tgt Ion: 65 Resp: 149026

Ion Ratio Lower Upper

65 100

67 54.4 0.0 106.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086735.D

Acq: 21 May 2025 16:42

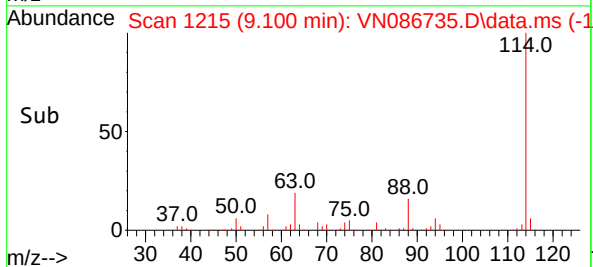
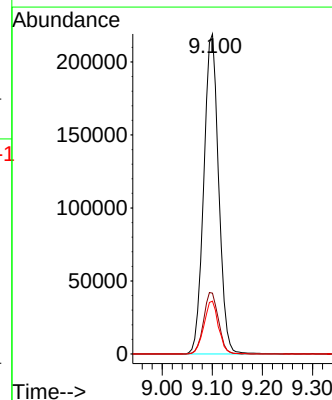
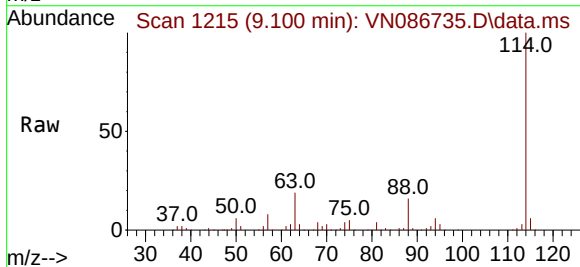
Tgt Ion: 114 Resp: 450917

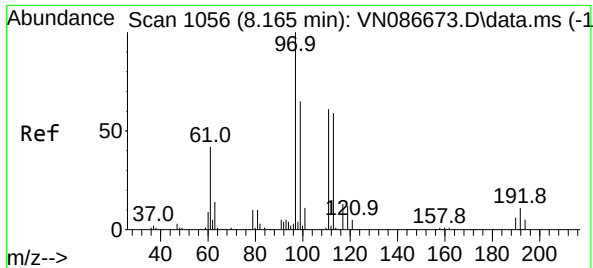
Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.2

88 16.5 0.0 31.2

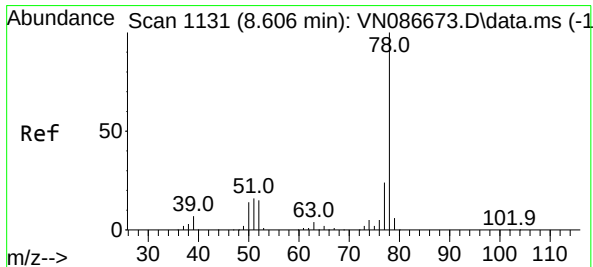
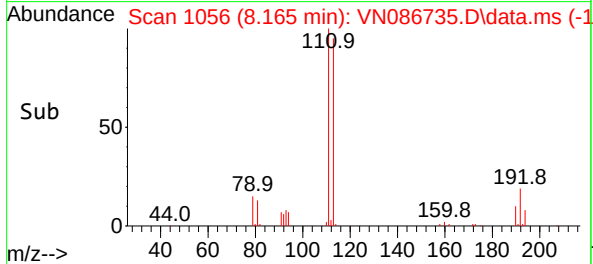
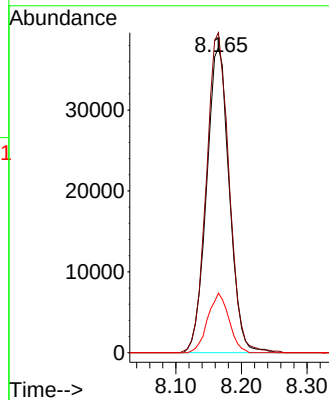
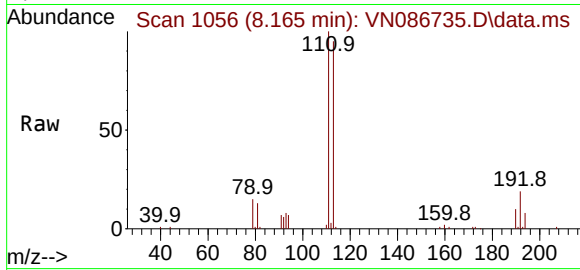




#35
Dibromofluoromethane
Concen: 33.893 ug/l
RT: 8.165 min Scan# 110
Delta R.T. -0.000 min
Lab File: VN086735.D
Acq: 21 May 2025 16:42

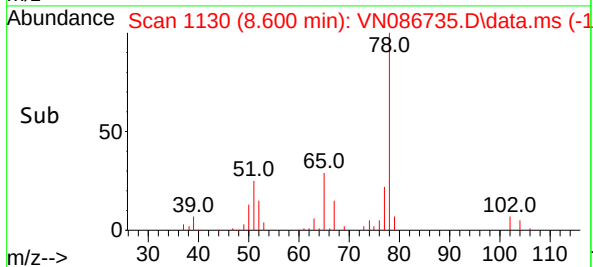
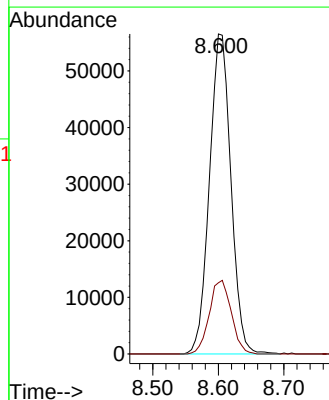
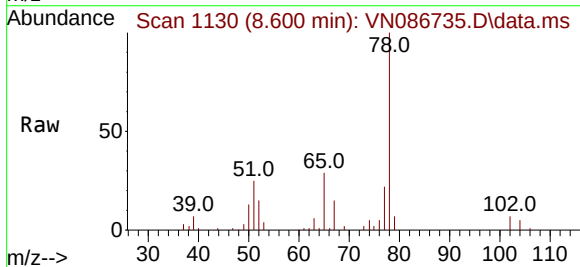
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-01-G

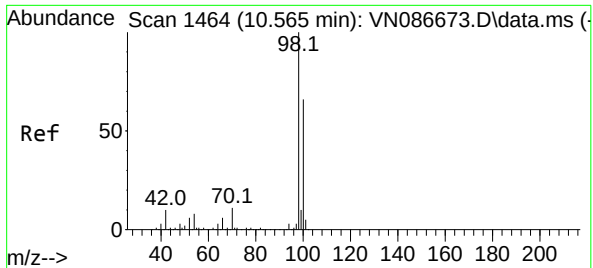
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.2	123.2
192	18.2	13.8	20.8



#40
Benzene
Concen: 9.937 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN086735.D
Acq: 21 May 2025 16:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	19.1	28.7

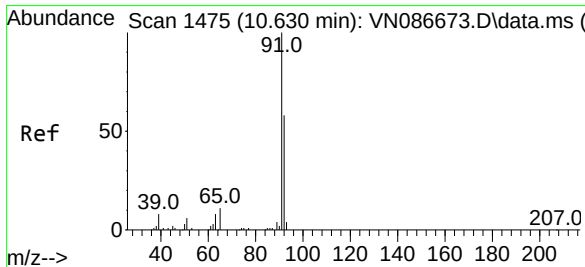
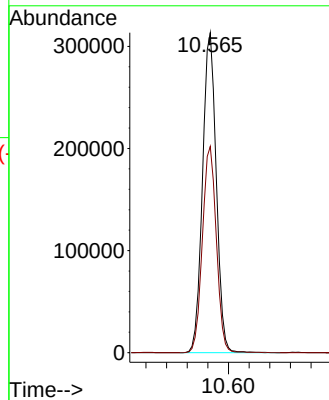
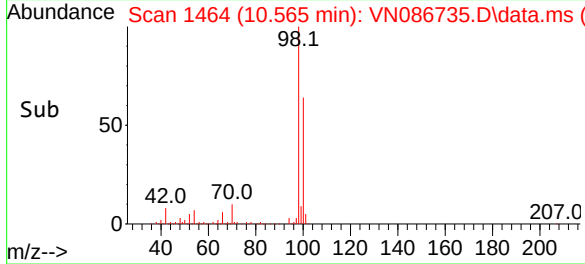
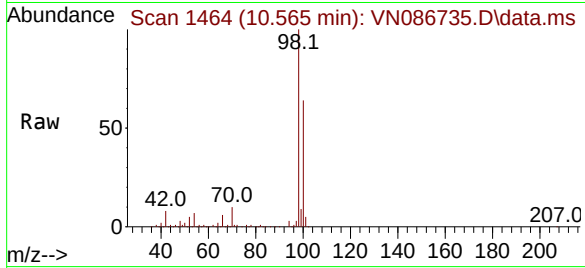




#50
Toluene-d8
Concen: 51.886 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086735.D
Acq: 21 May 2025 16:42

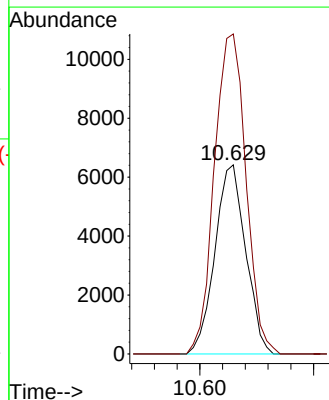
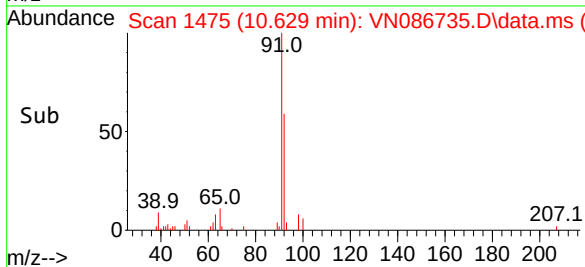
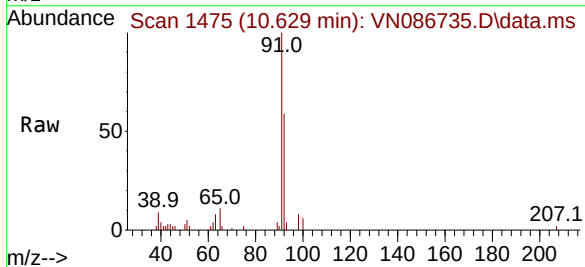
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-01-G

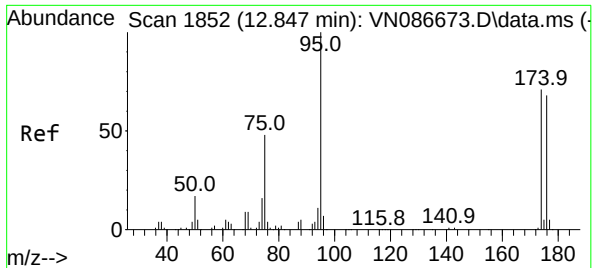
Tgt Ion: 98 Resp: 577408
Ion Ratio Lower Upper
98 100
100 65.4 52.9 79.3



#52
Toluene
Concen: 1.499 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086735.D
Acq: 21 May 2025 16:42

Tgt Ion: 92 Resp: 12038
Ion Ratio Lower Upper
92 100
91 174.1 137.8 206.8

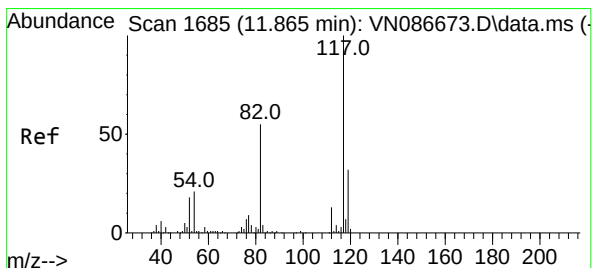
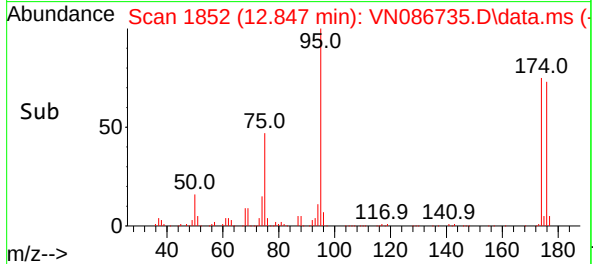
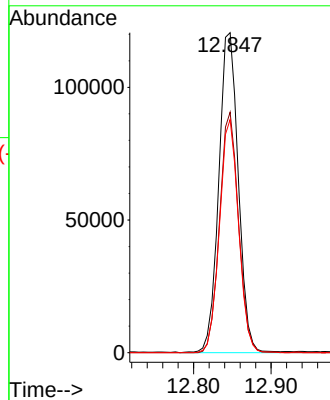
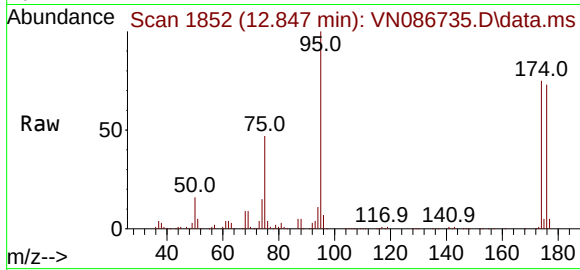




#62
4-Bromofluorobenzene
Concen: 53.710 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086735.D
Acq: 21 May 2025 16:42

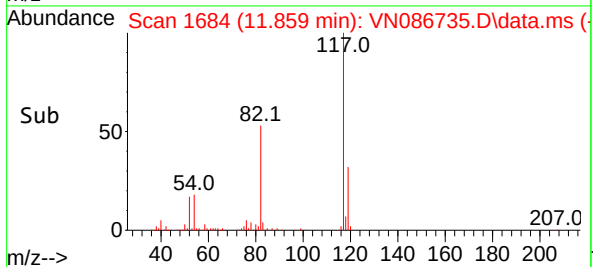
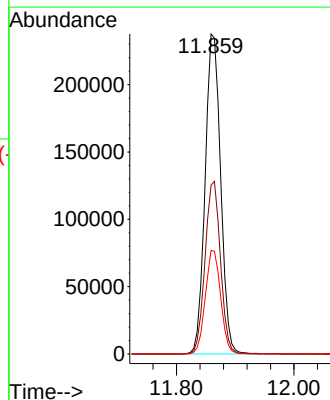
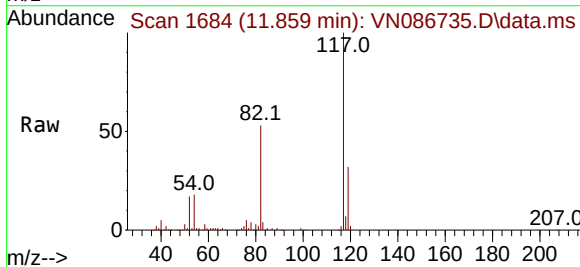
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-01-G

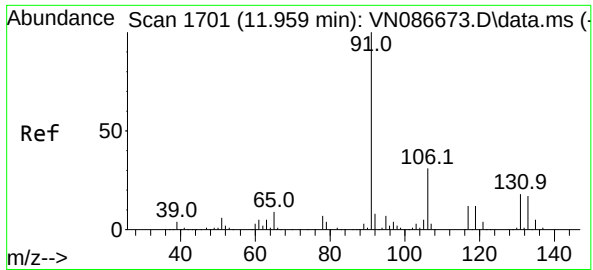
Tgt Ion: 95 Resp: 211049
Ion Ratio Lower Upper
95 100
174 73.1 0.0 145.4
176 71.0 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VN086735.D
Acq: 21 May 2025 16:42

Tgt Ion: 117 Resp: 434993
Ion Ratio Lower Upper
117 100
82 52.8 44.2 66.2
119 32.4 25.4 38.2





#67

Ethyl Benzene

Concen: 9.150 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN086735.D

Acq: 21 May 2025 16:42

Instrument :

MSVOA_N

ClientSampleId :

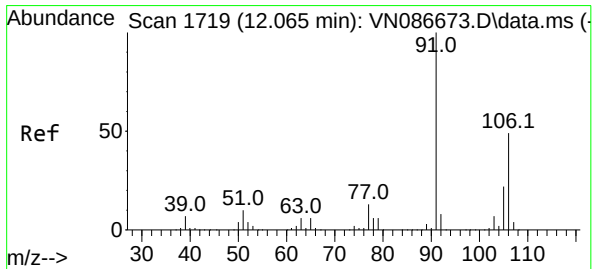
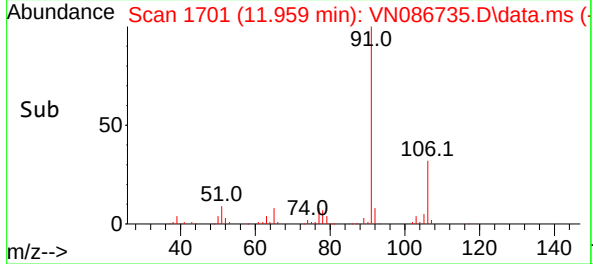
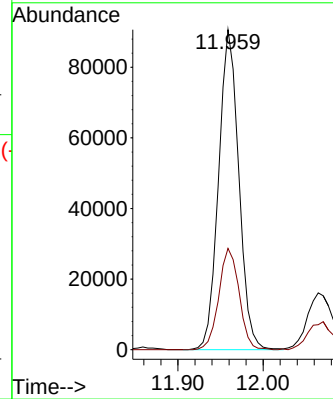
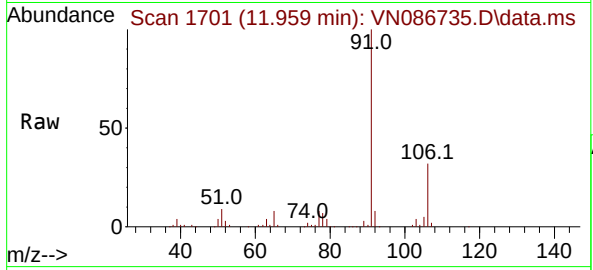
WC-A2-01-G

Tgt Ion: 91 Resp: 149495

Ion Ratio Lower Upper

91 100

106 31.7 24.6 36.8



#68

m/p-Xylenes

Concen: 2.544 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.006 min

Lab File: VN086735.D

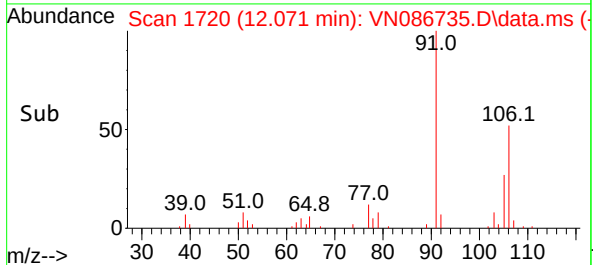
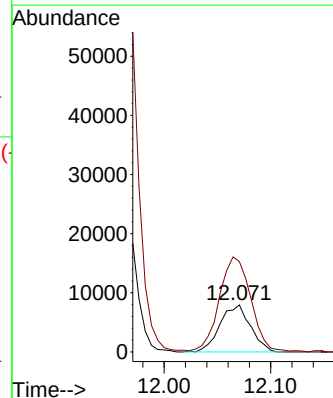
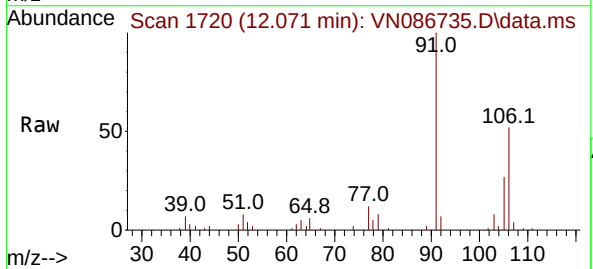
Acq: 21 May 2025 16:42

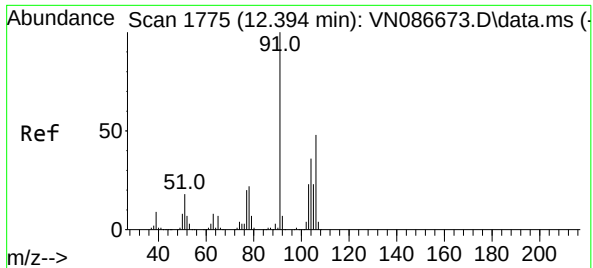
Tgt Ion:106 Resp: 15745

Ion Ratio Lower Upper

106 100

91 210.2 162.4 243.6





#69

o-Xylene

Concen: 2.690 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN086735.D

Acq: 21 May 2025 16:42

Instrument :

MSVOA_N

ClientSampleId :

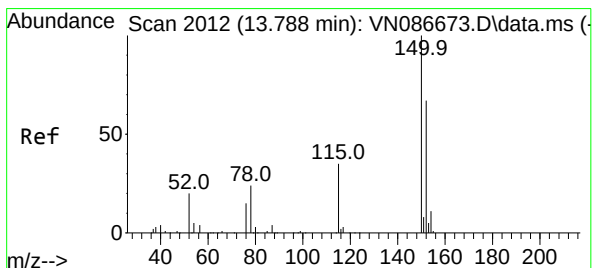
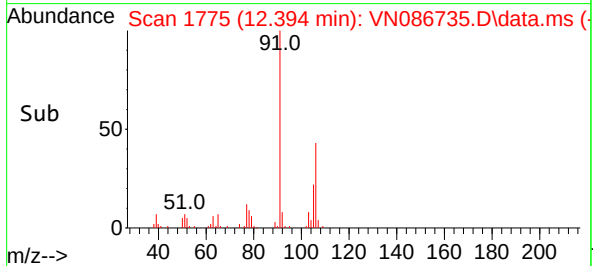
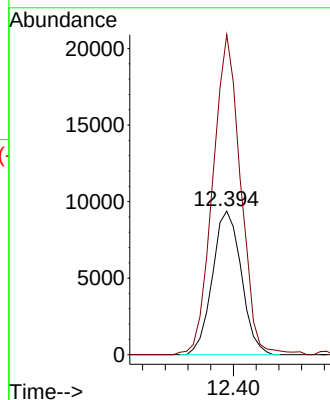
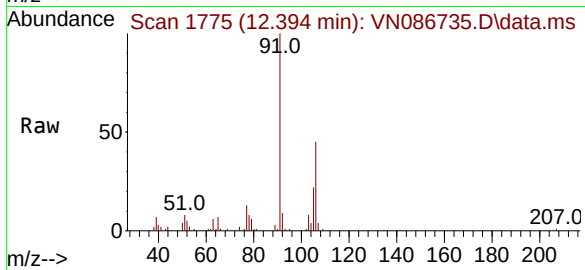
WC-A2-01-G

Tgt Ion:106 Resp: 16547

Ion Ratio Lower Upper

106 100

91 215.2 105.1 315.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN086735.D

Acq: 21 May 2025 16:42

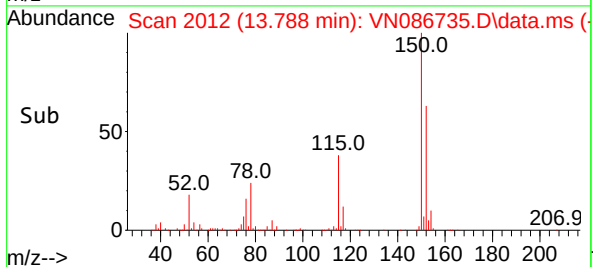
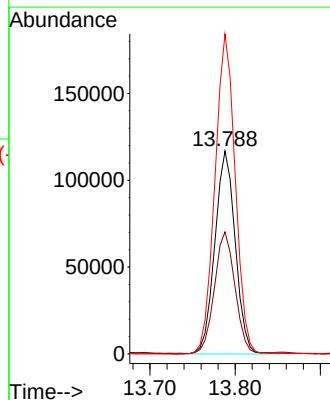
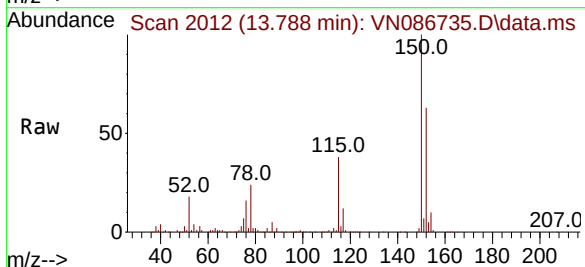
Tgt Ion:152 Resp: 194382

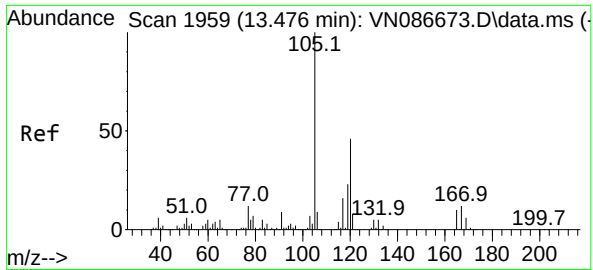
Ion Ratio Lower Upper

152 100

115 60.0 30.0 90.1

150 157.0 0.0 347.8

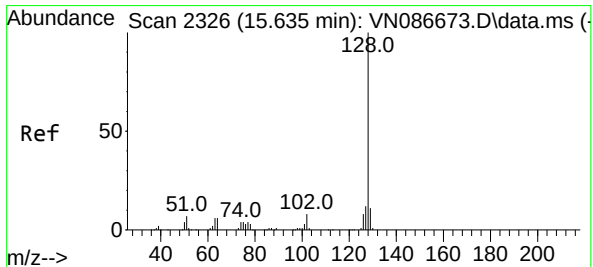
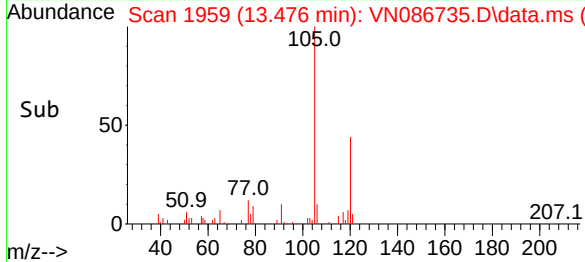
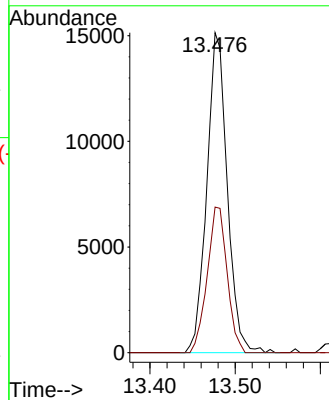
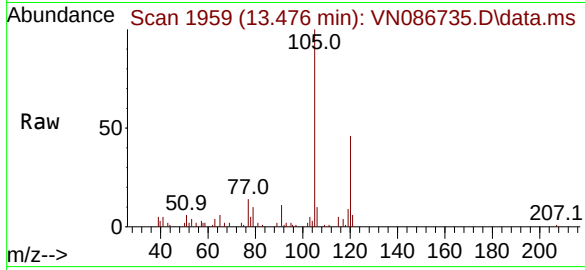




#84
1,2,4-Trimethylbenzene
Concen: 2.104 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086735.D
Acq: 21 May 2025 16:42

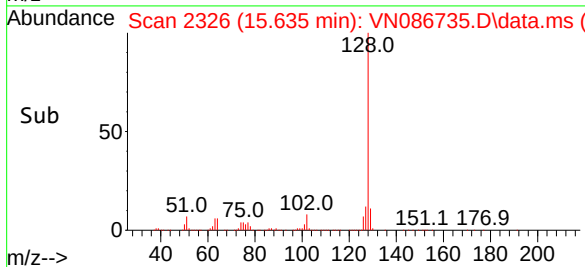
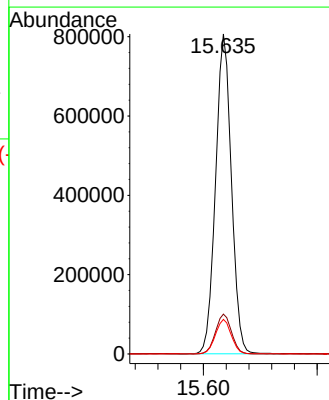
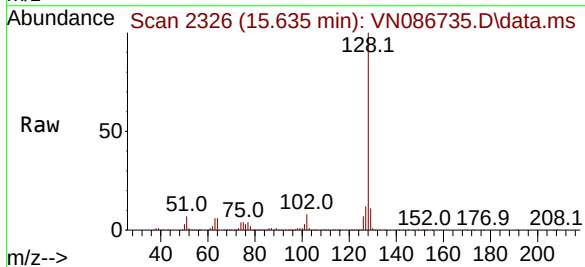
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-01-G

Tgt Ion:105 Resp: 25201
Ion Ratio Lower Upper
105 100
120 44.4 23.2 69.6



#95
Naphthalene
Concen: 171.046 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086735.D
Acq: 21 May 2025 16:42

Tgt Ion:128 Resp: 1559299
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.9 8.6 13.0



Report of Analysis

Client:	ENTACT	Date Collected:	05/13/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/19/25
Client Sample ID:	WC-A2-01-GRE	SDG No.:	Q2079
Lab Sample ID:	Q2079-01RE	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086758.D	1		05/22/25 11:55	VN052225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.0046	J	0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.00023	U	0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.00098	U	0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.00025	U	0.00025	0.0050	mg/L
67-66-3	Chloroform	0.00025	U	0.00025	0.0050	mg/L
71-43-2	Benzene	0.010		0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.00022	U	0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.000090	U	0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.00023	U	0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.00012	U	0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.1		70 (74) - 130 (125)	88%	SPK: 50
1868-53-7	Dibromofluoromethane	33.7	*	70 (75) - 130 (124)	67%	SPK: 50
2037-26-5	Toluene-d8	51.8		70 (86) - 130 (113)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.2		70 (77) - 130 (121)	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	241000	8.224			
540-36-3	1,4-Difluorobenzene	442000	9.094			
3114-55-4	Chlorobenzene-d5	433000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	210000	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\VN052225\
 Data File : VN086758.D
 Acq On : 22 May 2025 11:55
 Operator : JC\MD
 Sample : Q2079-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A2-01-GRE

Quant Time: May 23 01:34:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

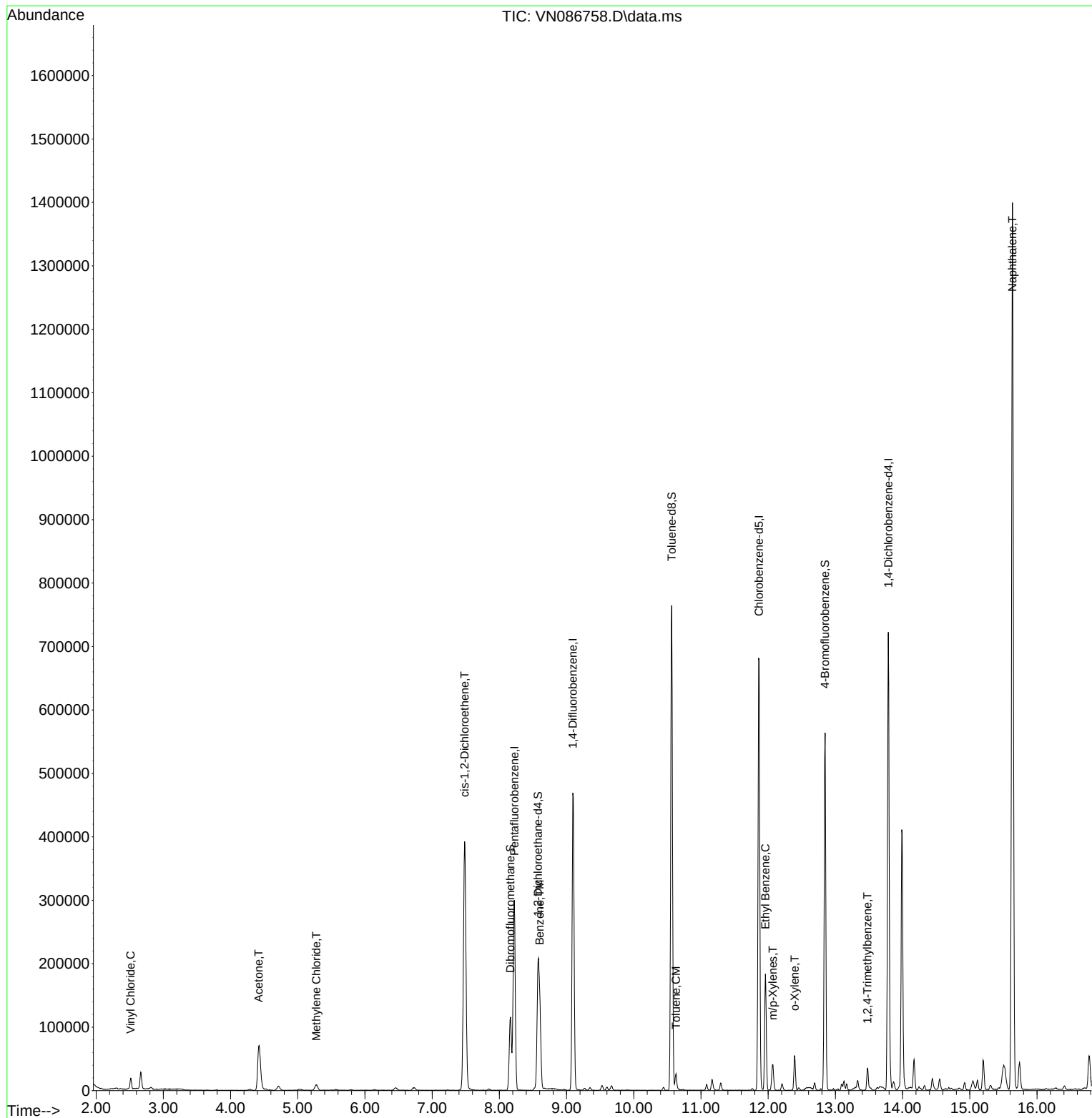
Internal Standards						
1) Pentafluorobenzene	8.224	168	240765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	441543	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	433303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	210369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	146696	44.093	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.180%
35) Dibromofluoromethane	8.165	113	88600	33.694	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	67.380%#
50) Toluene-d8	10.565	98	564748	51.826	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.660%
62) 4-Bromofluorobenzene	12.847	95	212391	55.199	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	110.400%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.512	62	16258	4.603	ug/l	95
16) Acetone	4.418	43	137928	110.831	ug/l	97
20) Methylene Chloride	5.277	84	7697	2.344	ug/l	96
27) cis-1,2-Dichloroethene	7.483	96	255789	73.397	ug/l	87
40) Benzene	8.600	78	126638	10.008	ug/l	96
52) Toluene	10.629	92	11187	1.423	ug/l	98
67) Ethyl Benzene	11.959	91	140377	8.626	ug/l	97
68) m/p-Xylenes	12.071	106	14895	2.416	ug/l	96
69) o-Xylene	12.394	106	15631	2.551	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	21489	1.658	ug/l	98
95) Naphthalene	15.635	128	1365634	138.418	ug/l	100

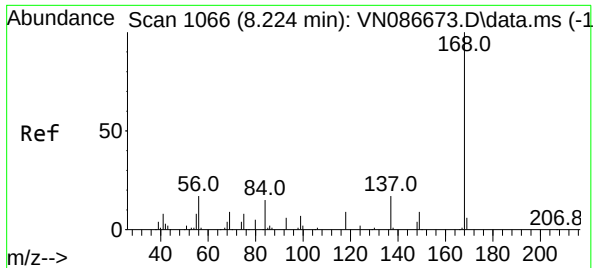
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052225\
Data File : VN086758.D
Acq On : 22 May 2025 11:55
Operator : JC\MD
Sample : Q2079-01RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-01-GRE

Quant Time: May 23 01:34:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

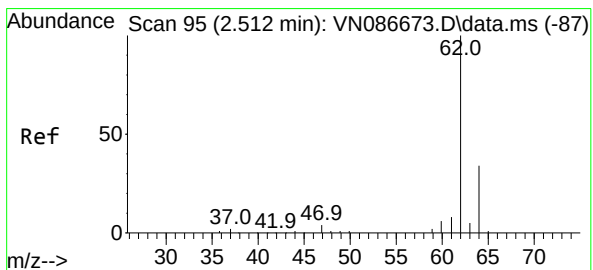
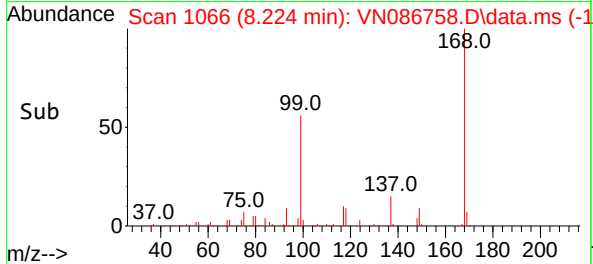
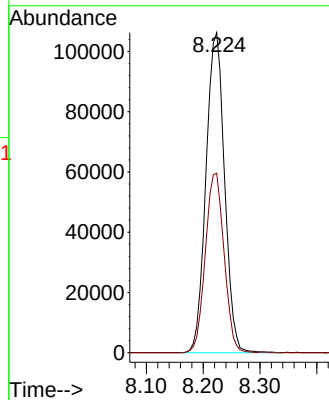
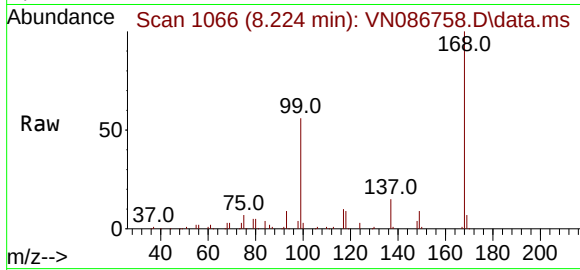




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086758.D
Acq: 22 May 2025 11:55

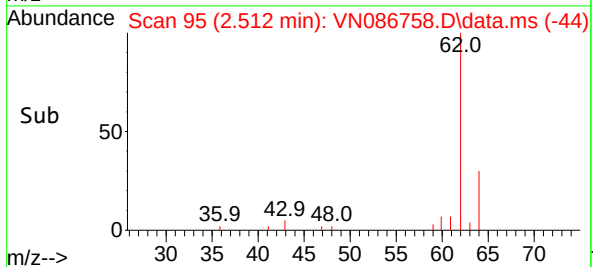
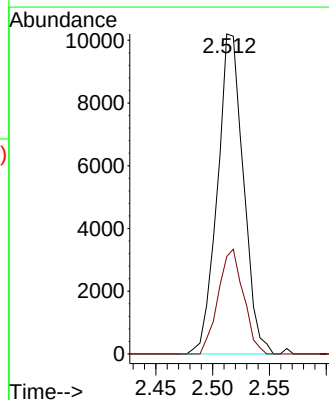
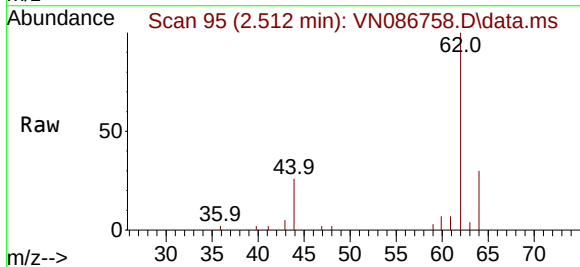
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-01-GRE

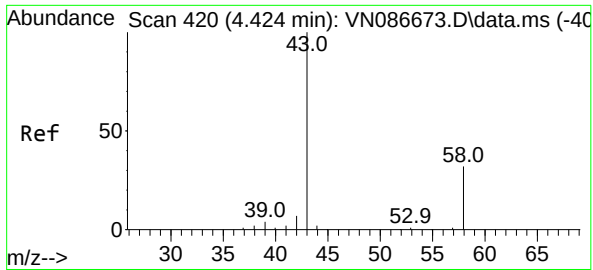
Tgt Ion:168 Resp: 240765
Ion Ratio Lower Upper
168 100
99 56.1 47.0 70.4



#4
Vinyl Chloride
Concen: 4.603 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN086758.D
Acq: 22 May 2025 11:55

Tgt Ion: 62 Resp: 16258
Ion Ratio Lower Upper
62 100
64 30.5 26.9 40.3

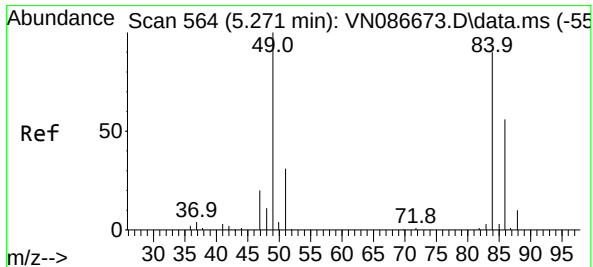
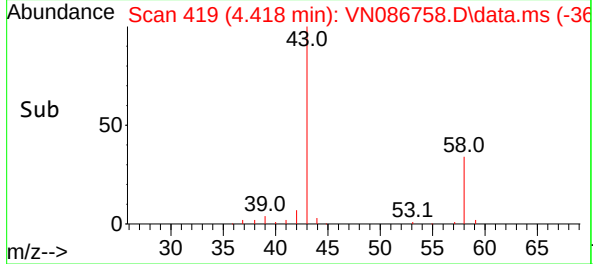
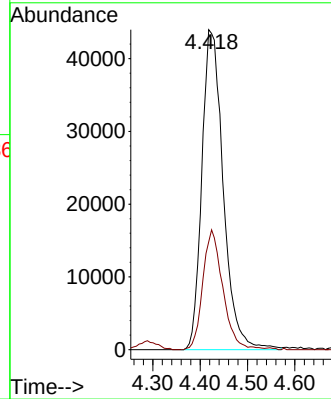
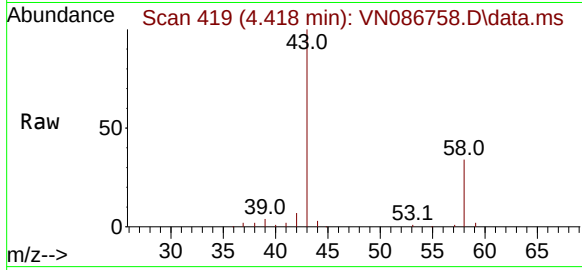




#16
Acetone
Concen: 110.831 ug/l
RT: 4.418 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN086758.D
Acq: 22 May 2025 11:55

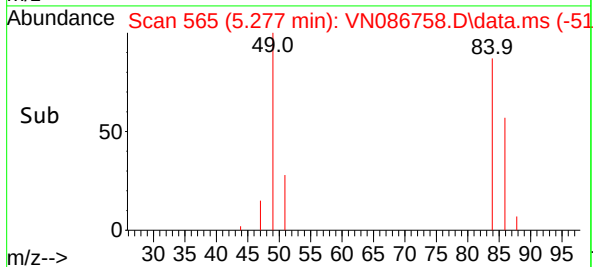
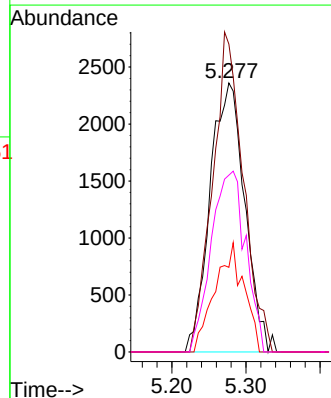
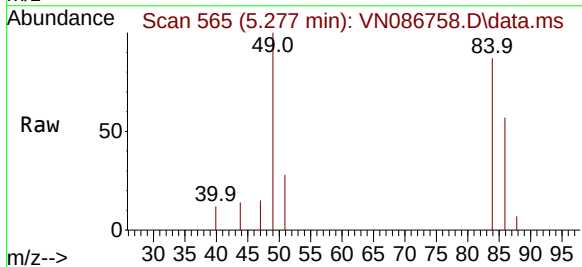
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-01-GRE

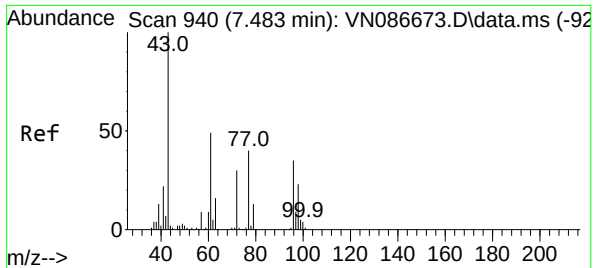
Tgt Ion: 43 Resp: 137928
Ion Ratio Lower Upper
43 100
58 33.7 25.8 38.6



#20
Methylene Chloride
Concen: 2.344 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086758.D
Acq: 22 May 2025 11:55

Tgt Ion: 84 Resp: 7697
Ion Ratio Lower Upper
84 100
49 114.4 88.8 133.2
51 31.5 27.8 41.6
86 65.8 49.8 74.6





#27

cis-1,2-Dichloroethene

Concen: 73.397 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086758.D

Acq: 22 May 2025 11:55

Instrument :

MSVOA_N

ClientSampleId :

WC-A2-01-GRE

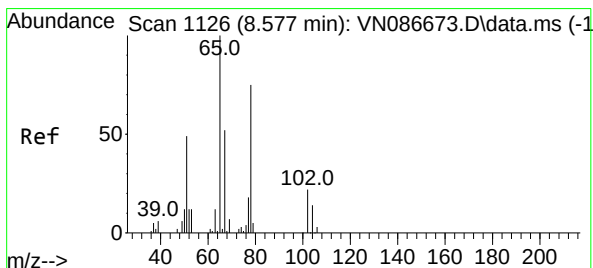
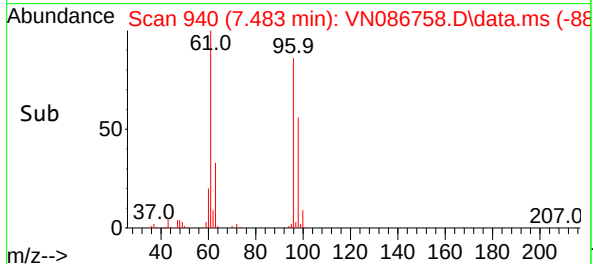
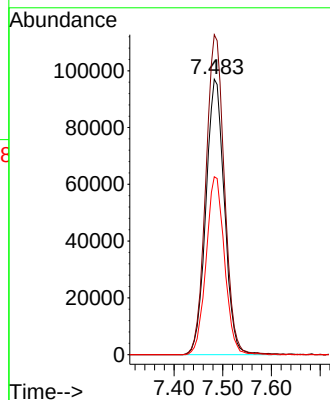
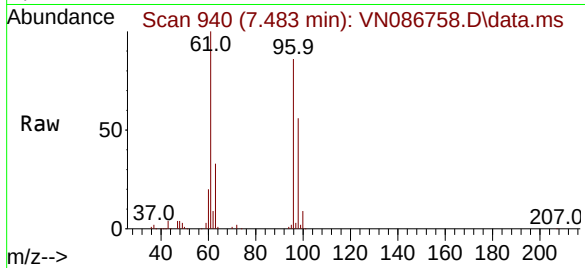
Tgt Ion: 96 Resp: 255789

Ion Ratio Lower Upper

96 100

61 116.7 0.0 277.4

98 64.0 0.0 129.6



#33

1,2-Dichloroethane-d4

Concen: 44.093 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086758.D

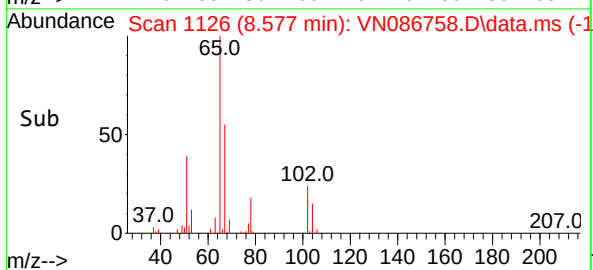
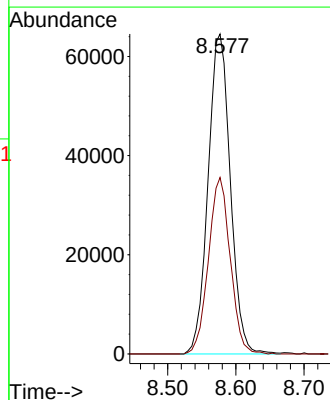
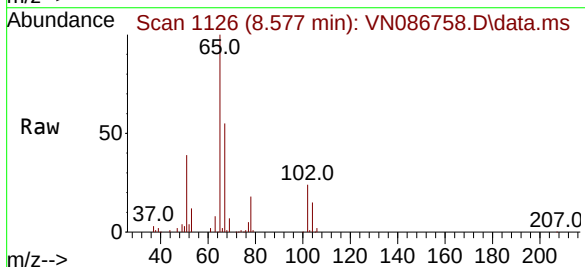
Acq: 22 May 2025 11:55

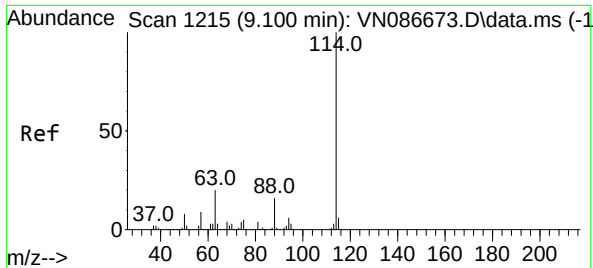
Tgt Ion: 65 Resp: 146696

Ion Ratio Lower Upper

65 100

67 54.0 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN086758.D

Acq: 22 May 2025 11:55

Instrument :

MSVOA_N

ClientSampleId :

WC-A2-01-GRE

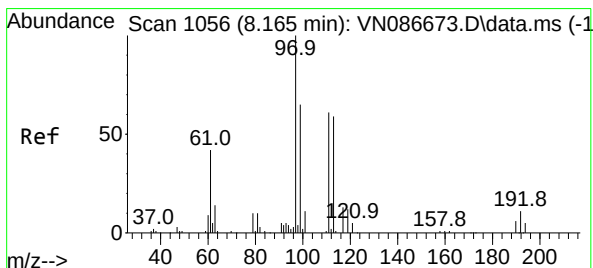
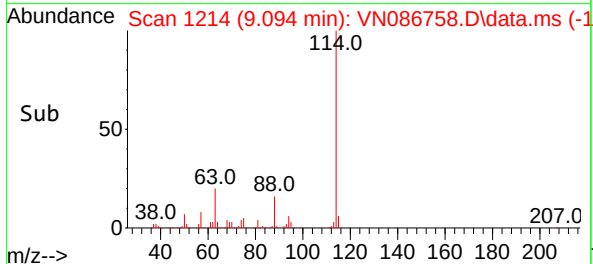
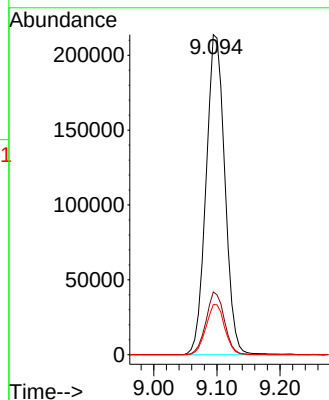
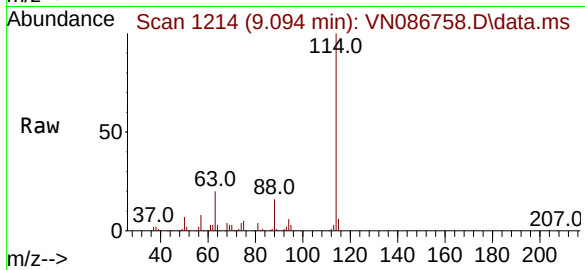
Tgt Ion:114 Resp: 441543

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.2

88 15.6 0.0 31.2



#35

Dibromofluoromethane

Concen: 33.694 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086758.D

Acq: 22 May 2025 11:55

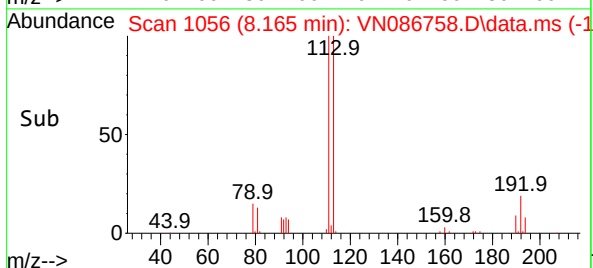
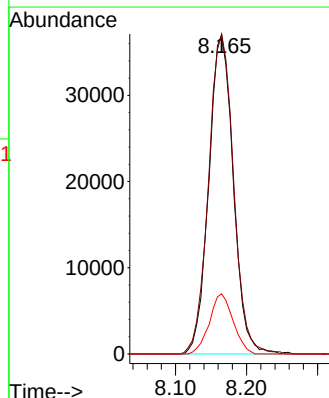
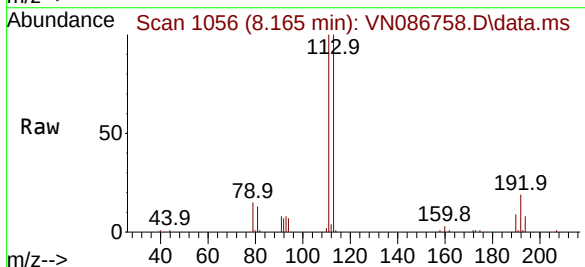
Tgt Ion:113 Resp: 88600

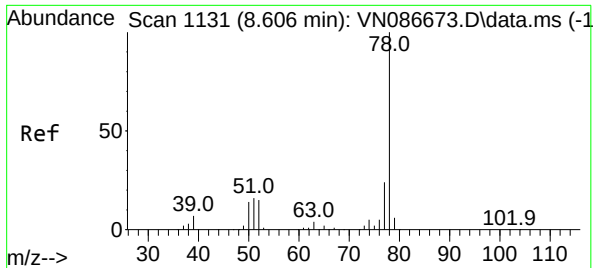
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

192 18.2 13.8 20.8

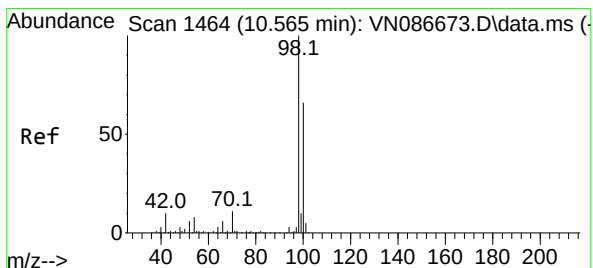
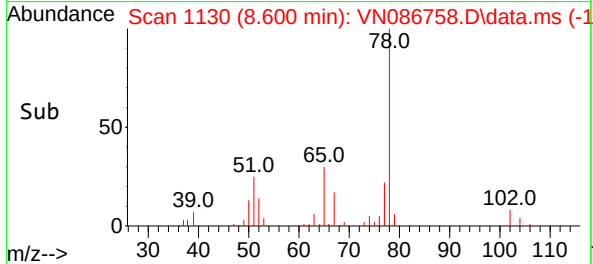
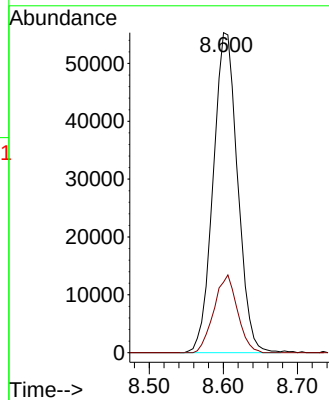
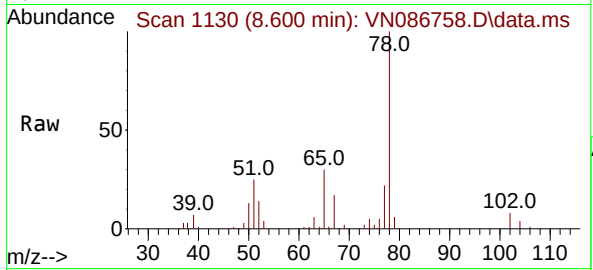




#40
Benzene
Concen: 10.008 ug/l
RT: 8.600 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VN086758.D
Acq: 22 May 2025 11:55

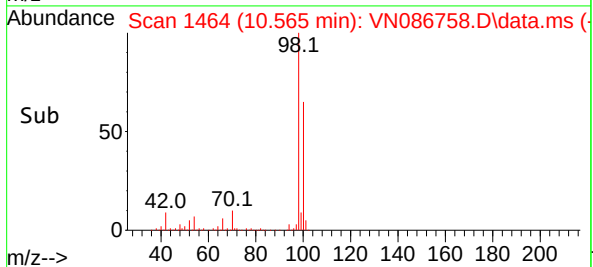
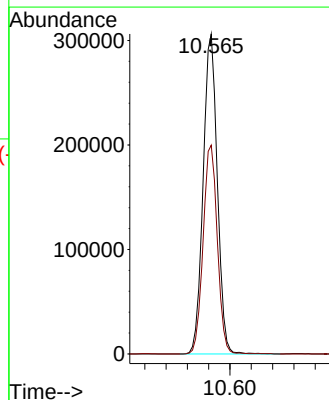
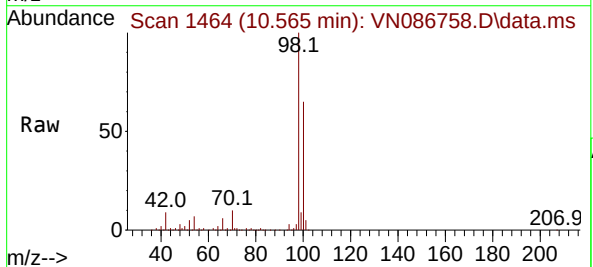
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-01-GRE

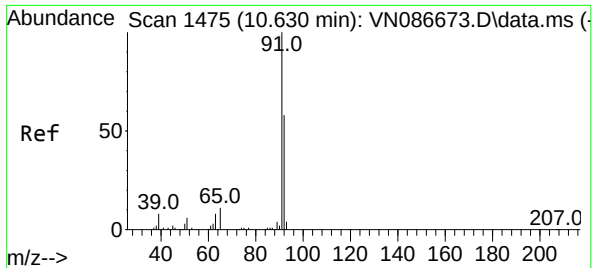
Tgt Ion: 78 Resp: 126638
Ion Ratio Lower Upper
78 100
77 22.0 19.1 28.7



#50
Toluene-d8
Concen: 51.826 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086758.D
Acq: 22 May 2025 11:55

Tgt Ion: 98 Resp: 564748
Ion Ratio Lower Upper
98 100
100 65.5 52.9 79.3

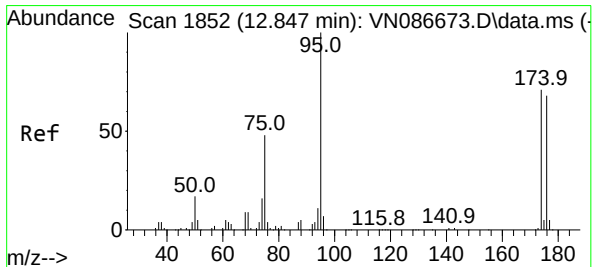
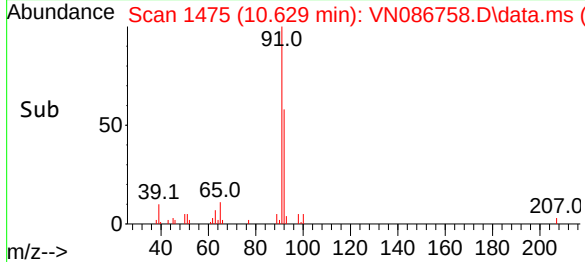
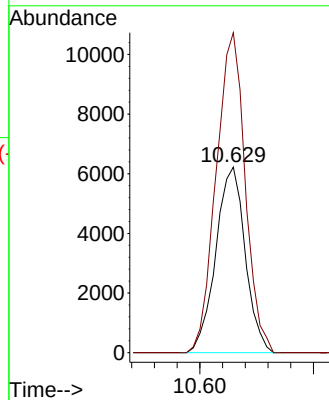
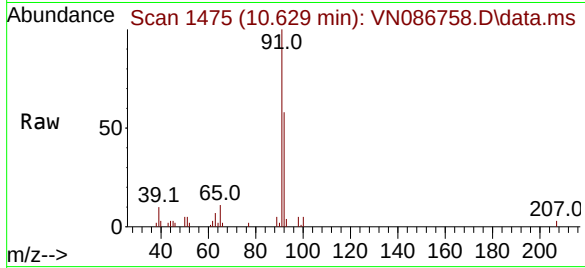




#52
Toluene
Concen: 1.423 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086758.D
Acq: 22 May 2025 11:55

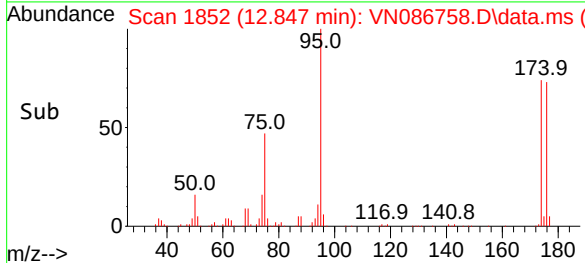
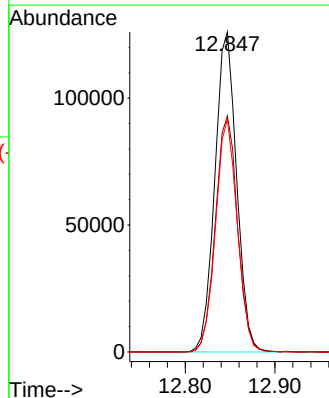
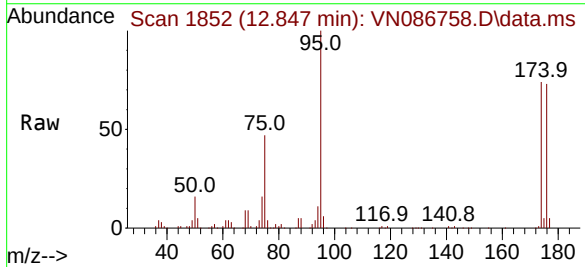
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-01-GRE

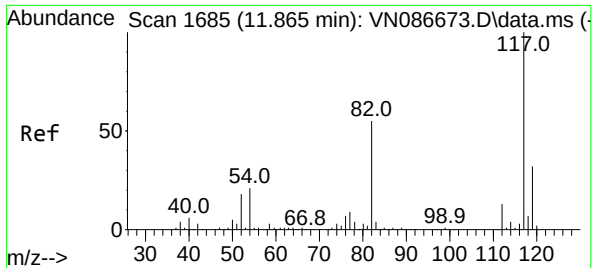
Tgt Ion: 92 Resp: 11187
Ion Ratio Lower Upper
92 100
91 170.1 137.8 206.8



#62
4-Bromofluorobenzene
Concen: 55.199 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086758.D
Acq: 22 May 2025 11:55

Tgt Ion: 95 Resp: 212391
Ion Ratio Lower Upper
95 100
174 75.0 0.0 145.4
176 72.4 0.0 137.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086758.D

Acq: 22 May 2025 11:55

Instrument :

MSVOA_N

ClientSampleId :

WC-A2-01-GRE

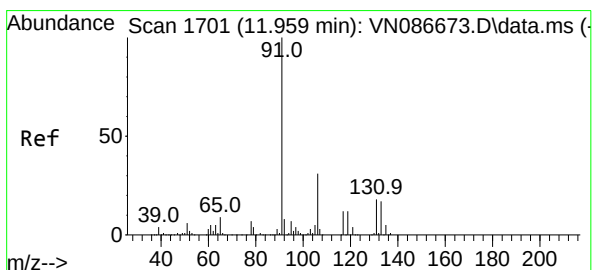
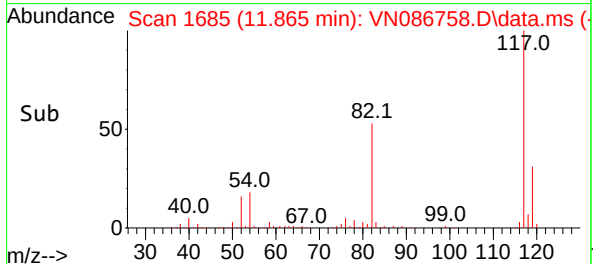
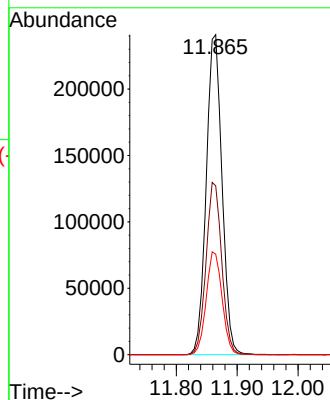
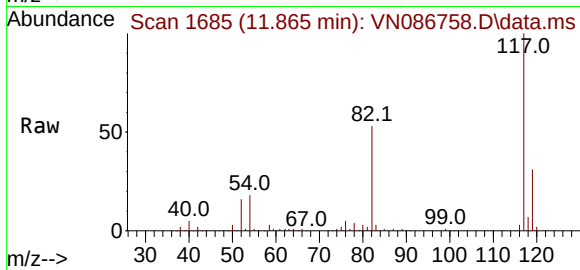
Tgt Ion:117 Resp: 433303

Ion Ratio Lower Upper

117 100

82 52.8 44.2 66.2

119 31.4 25.4 38.2



#67

Ethyl Benzene

Concen: 8.626 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN086758.D

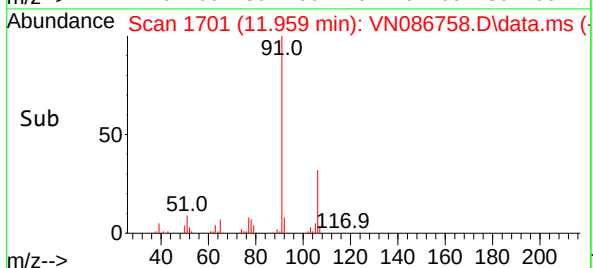
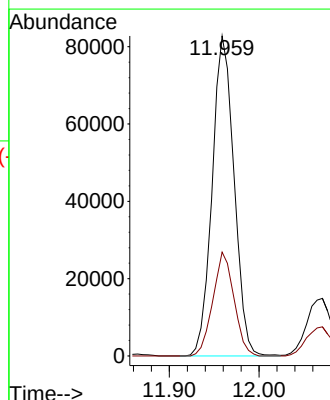
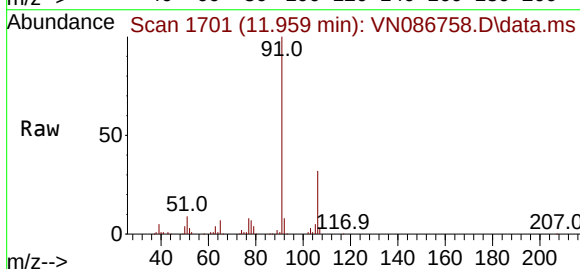
Acq: 22 May 2025 11:55

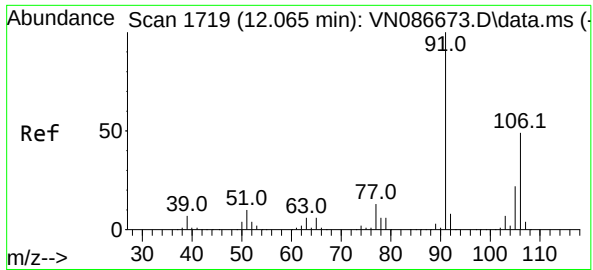
Tgt Ion: 91 Resp: 140377

Ion Ratio Lower Upper

91 100

106 32.5 24.6 36.8

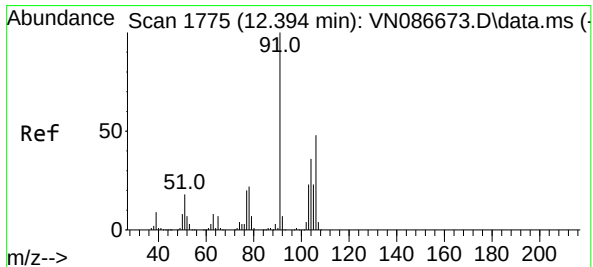
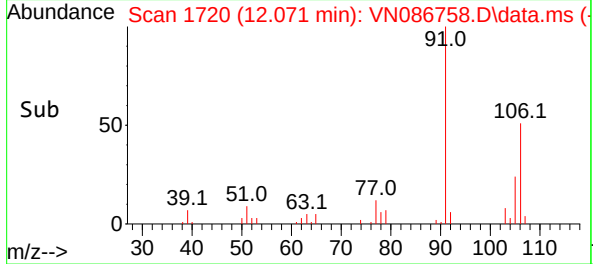
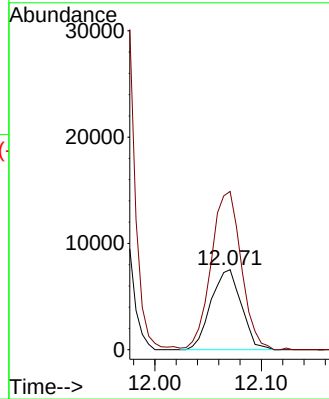
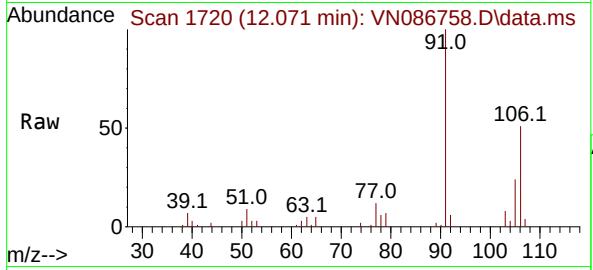




#68
m/p-Xylenes
Concen: 2.416 ug/l
RT: 12.071 min Scan# 1719
Delta R.T. 0.006 min
Lab File: VN086758.D
Acq: 22 May 2025 11:55

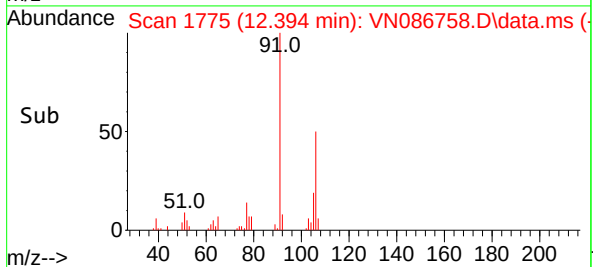
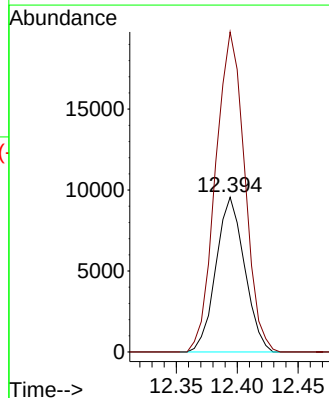
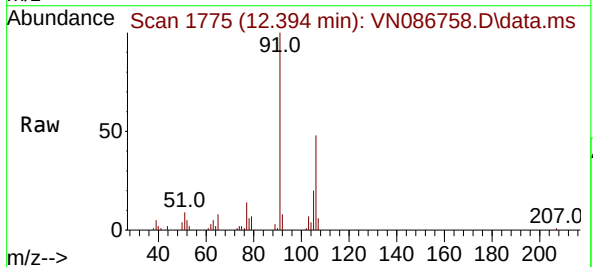
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-01-GRE

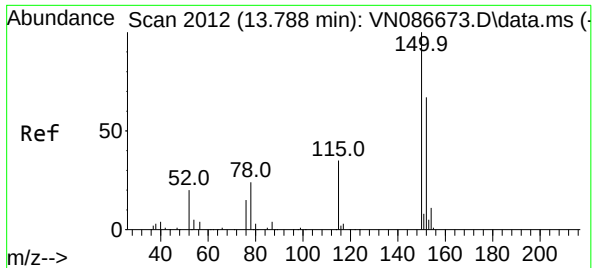
Tgt Ion:106 Resp: 14895
Ion Ratio Lower Upper
106 100
91 196.2 162.4 243.6



#69
o-Xylene
Concen: 2.551 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086758.D
Acq: 22 May 2025 11:55

Tgt Ion:106 Resp: 15631
Ion Ratio Lower Upper
106 100
91 210.4 105.1 315.1

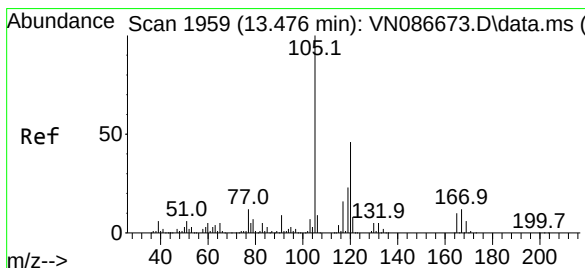
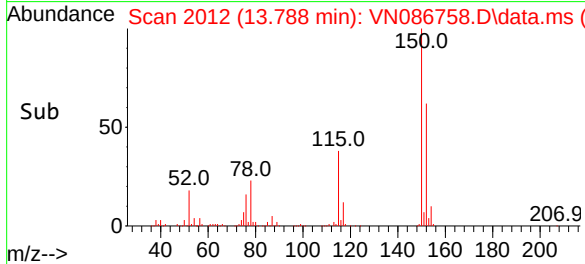
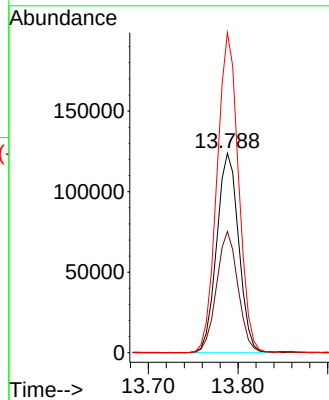
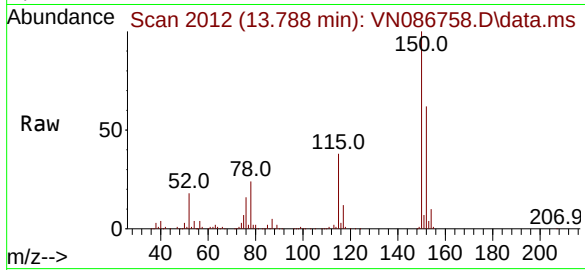




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086758.D
Acq: 22 May 2025 11:55

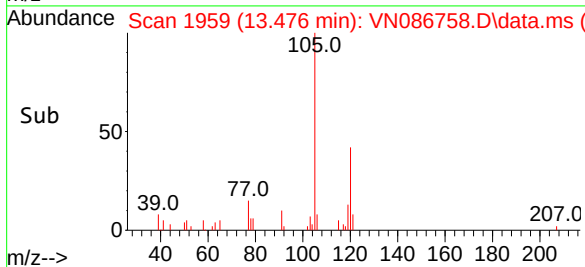
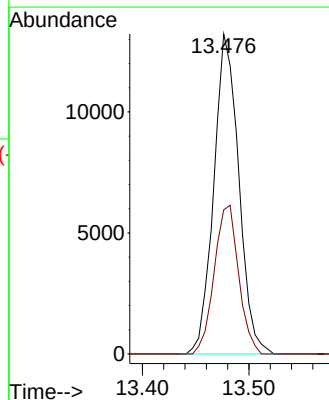
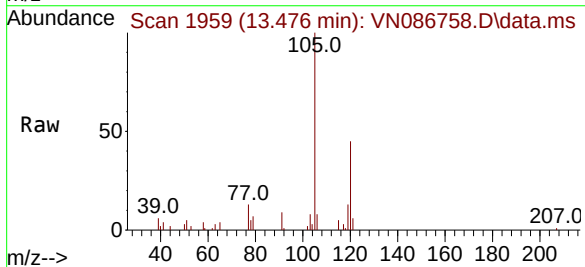
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-01-GRE

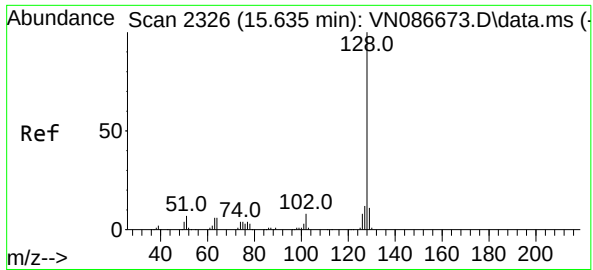
Tgt Ion:152 Resp: 210369
Ion Ratio Lower Upper
152 100
115 59.6 30.0 90.1
150 157.3 0.0 347.8



#84
1,2,4-Trimethylbenzene
Concen: 1.658 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086758.D
Acq: 22 May 2025 11:55

Tgt Ion:105 Resp: 21489
Ion Ratio Lower Upper
105 100
120 45.3 23.2 69.6





#95

Naphthalene

Concen: 138.418 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN086758.D

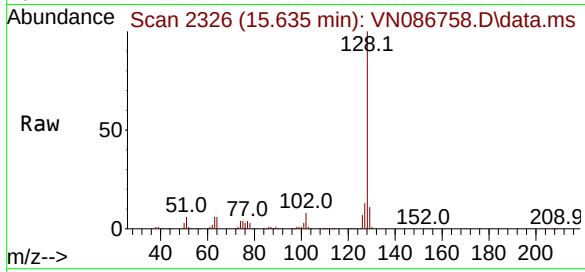
Acq: 22 May 2025 11:55

Instrument :

MSVOA_N

ClientSampleId :

WC-A2-01-GRE



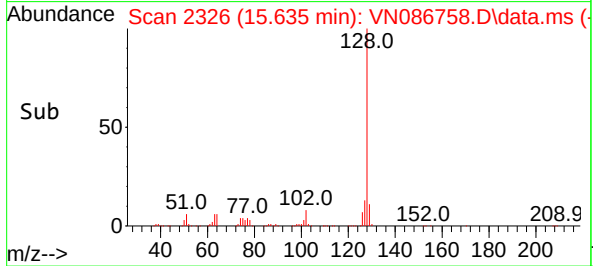
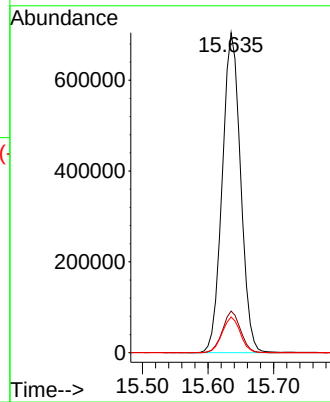
Tgt Ion:128 Resp: 1365634

Ion	Ratio	Lower	Upper

128	100		

127	12.7	10.1	15.1

129	11.0	8.6	13.0



Report of Analysis

Client:	ENTACT	Date Collected:	05/13/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/19/25
Client Sample ID:	WC-A2-02-G	SDG No.:	Q2079
Lab Sample ID:	Q2079-05	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086736.D	1		05/21/25 17:06	VN052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.00026	U	0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.00023	U	0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.00098	U	0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.00025	U	0.00025	0.0050	mg/L
67-66-3	Chloroform	0.00025	U	0.00025	0.0050	mg/L
71-43-2	Benzene	0.014		0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.00022	U	0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.000090	U	0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.00023	U	0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.00012	U	0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.6		70 (74) - 130 (125)	87%	SPK: 50
1868-53-7	Dibromofluoromethane	36.3		70 (75) - 130 (124)	73%	SPK: 50
2037-26-5	Toluene-d8	51.6		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.0		70 (77) - 130 (121)	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	257000	8.224			
540-36-3	1,4-Difluorobenzene	475000	9.1			
3114-55-4	Chlorobenzene-d5	462000	11.859			
3855-82-1	1,4-Dichlorobenzene-d4	217000	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\VN052125\
 Data File : VN086736.D
 Acq On : 21 May 2025 17:06
 Operator : JC\MD
 Sample : Q2079-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A2-02-G

Quant Time: May 22 01:27:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

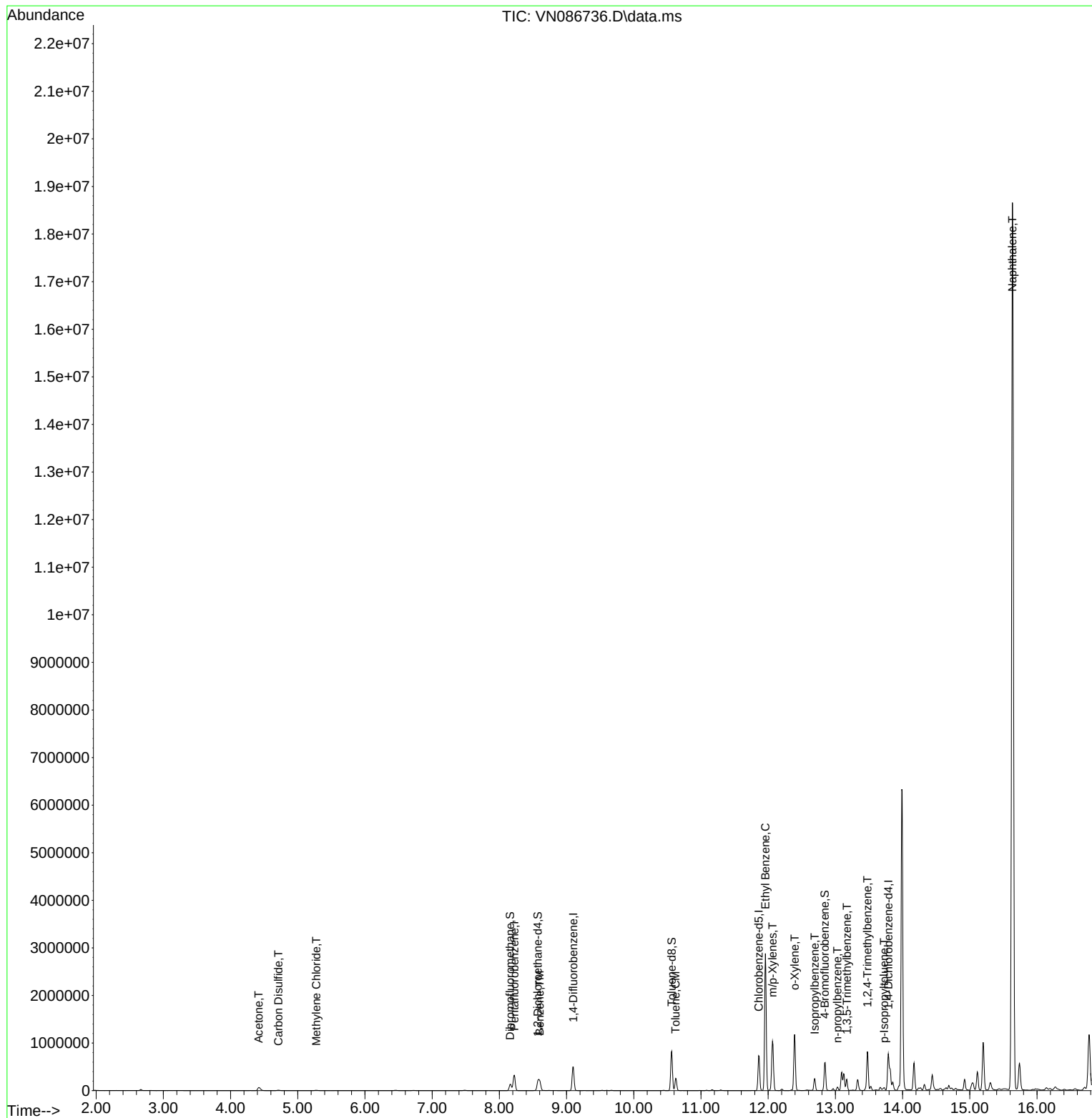
Internal Standards						
1) Pentafluorobenzene	8.224	168	257060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	475048	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	461977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	216516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	155009	43.639	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.280%		
35) Dibromofluoromethane	8.159	113	102555	36.250	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	72.500%#		
50) Toluene-d8	10.565	98	604673	51.576	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.160%		
62) 4-Bromofluorobenzene	12.841	95	231910	56.021	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	112.040%		
Target Compounds					Qvalue	
16) Acetone	4.418	43	127238	95.760	ug/l	100
17) Carbon Disulfide	4.712	76	13711	1.727	ug/l	98
20) Methylene Chloride	5.277	84	7337	2.092	ug/l	95
40) Benzene	8.600	78	188161	13.822	ug/l	98
52) Toluene	10.624	92	121731	14.387	ug/l	100
67) Ethyl Benzene	11.959	91	2187105	126.047	ug/l	98
68) m/p-Xylenes	12.065	106	366409	55.752	ug/l	97
69) o-Xylene	12.394	106	355049	54.340	ug/l	99
73) Isopropylbenzene	12.694	105	179731	10.748	ug/l	99
78) n-propylbenzene	13.029	91	61456	3.202	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	122843	9.169	ug/l	92
84) 1,2,4-Trimethylbenzene	13.476	105	480908	36.046	ug/l	99
86) p-Isopropyltoluene	13.723	119	21318	1.660	ug/l #	77
95) Naphthalene	15.635	128	17904153	1763.205	ug/l	97

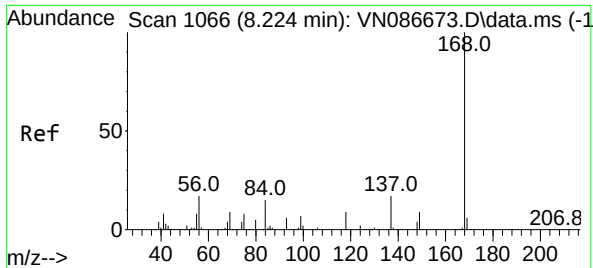
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
Data File : VN086736.D
Acq On : 21 May 2025 17:06
Operator : JC\MD
Sample : Q2079-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-02-G

Quant Time: May 22 01:27:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

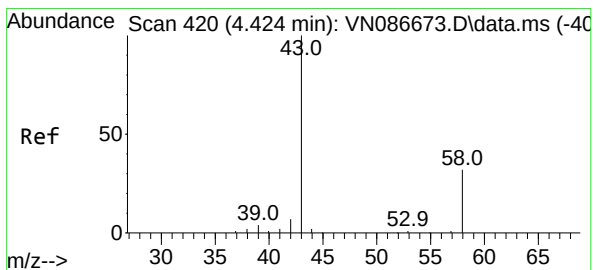
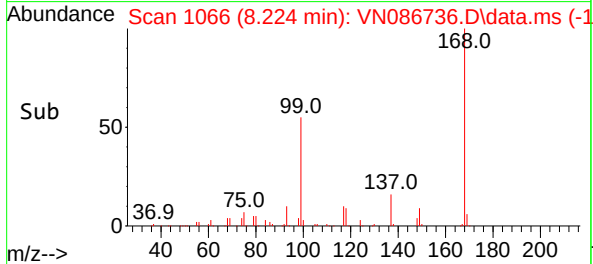
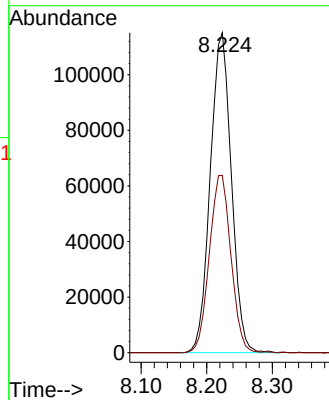
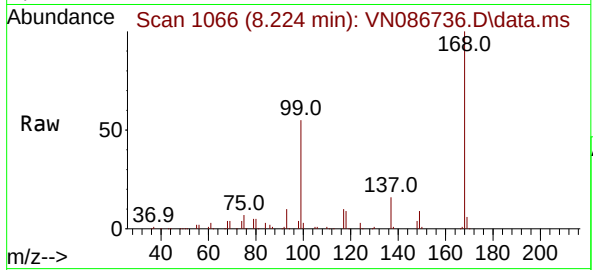




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086736.D
Acq: 21 May 2025 17:06

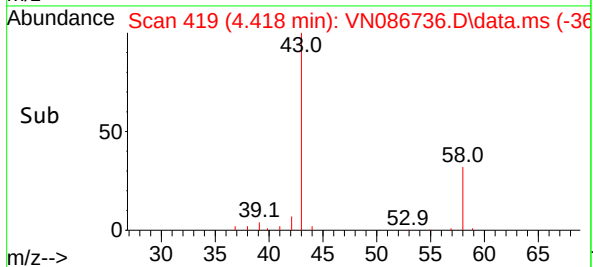
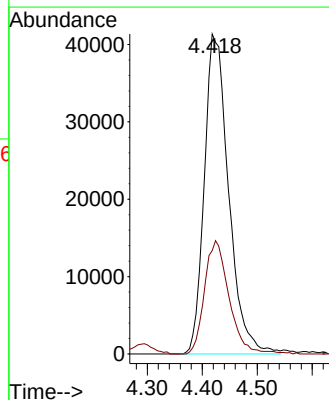
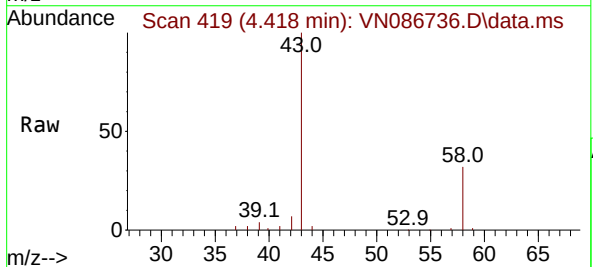
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-02-G

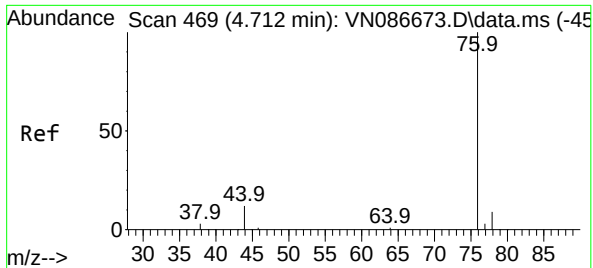
Tgt Ion:168 Resp: 257060
Ion Ratio Lower Upper
168 100
99 55.4 47.0 70.4



#16
Acetone
Concen: 95.760 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN086736.D
Acq: 21 May 2025 17:06

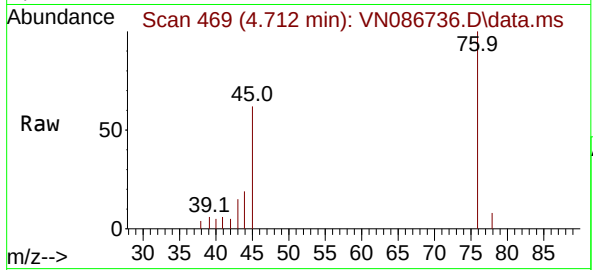
Tgt Ion: 43 Resp: 127238
Ion Ratio Lower Upper
43 100
58 32.3 25.8 38.6



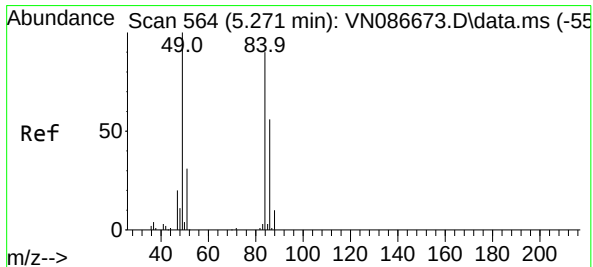
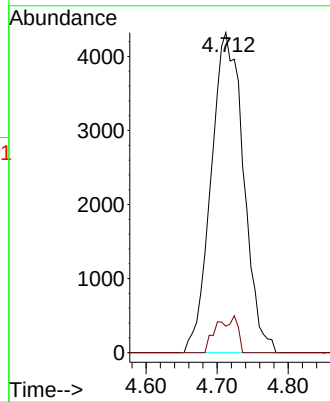
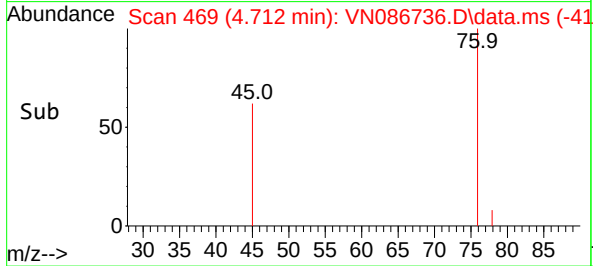


#17
Carbon Disulfide
Concen: 1.727 ug/l
RT: 4.712 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086736.D
Acq: 21 May 2025 17:06

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-02-G

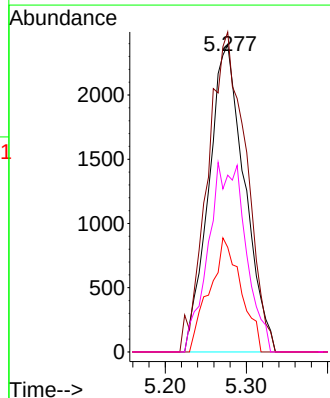
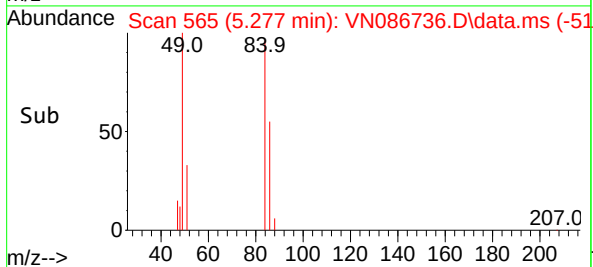
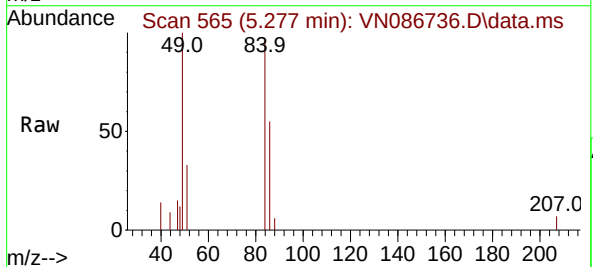


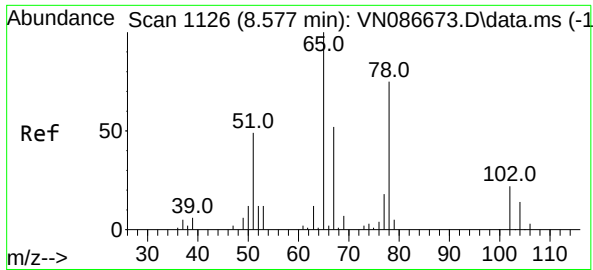
Tgt Ion: 76 Resp: 13711
Ion Ratio Lower Upper
76 100
78 8.2 7.3 10.9



#20
Methylene Chloride
Concen: 2.092 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086736.D
Acq: 21 May 2025 17:06

Tgt Ion: 84 Resp: 7337
Ion Ratio Lower Upper
84 100
49 104.1 88.8 133.2
51 34.1 27.8 41.6
86 57.5 49.8 74.6





#33

1,2-Dichloroethane-d4

Concen: 43.639 ug/l

RT: 8.571 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN086736.D

Acq: 21 May 2025 17:06

Instrument :

MSVOA_N

ClientSampleId :

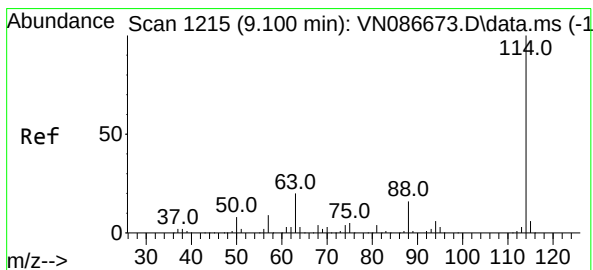
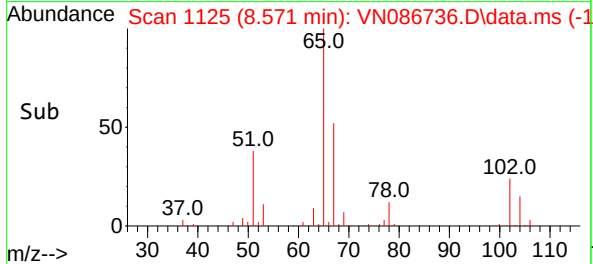
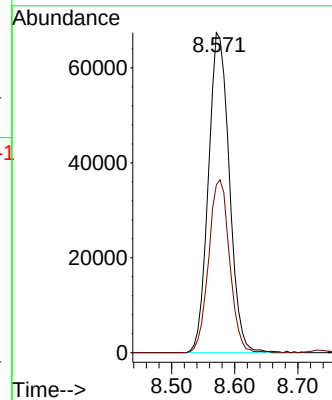
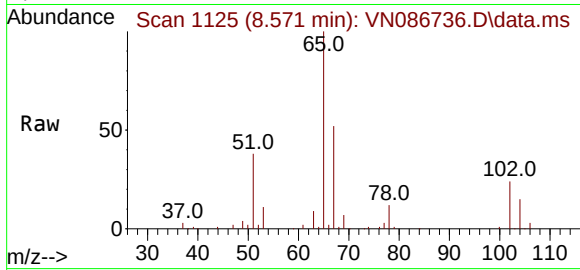
WC-A2-02-G

Tgt Ion: 65 Resp: 155009

Ion Ratio Lower Upper

65 100

67 54.1 0.0 106.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086736.D

Acq: 21 May 2025 17:06

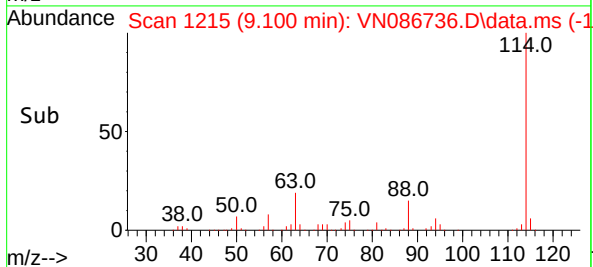
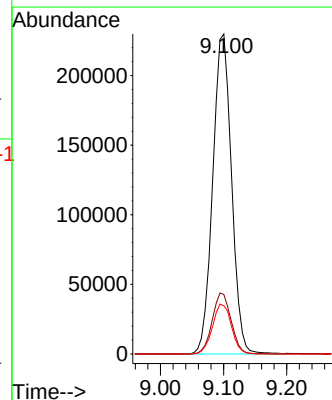
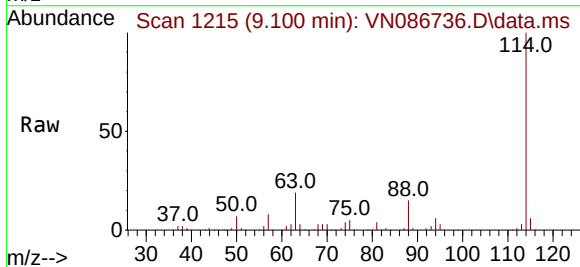
Tgt Ion: 114 Resp: 475048

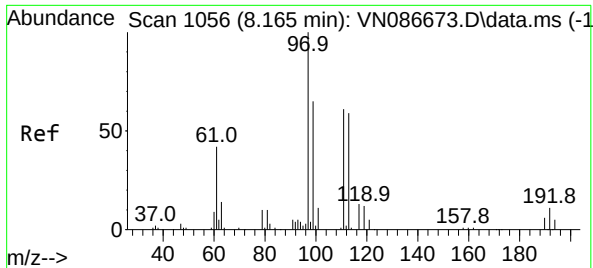
Ion Ratio Lower Upper

114 100

63 18.6 0.0 40.2

88 15.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 36.250 ug/l

RT: 8.159 min Scan# 110

Delta R.T. -0.006 min

Lab File: VN086736.D

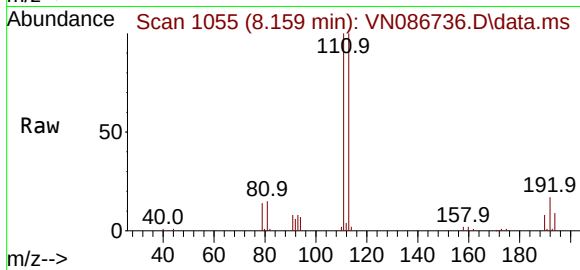
Acq: 21 May 2025 17:06

Instrument :

MSVOA_N

ClientSampleId :

WC-A2-02-G



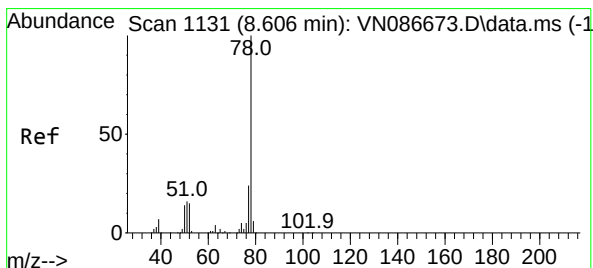
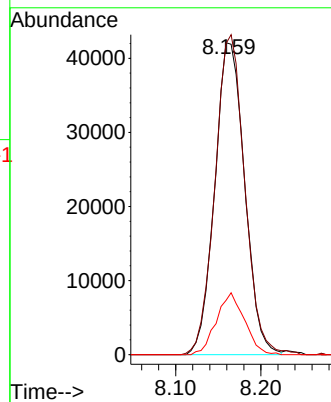
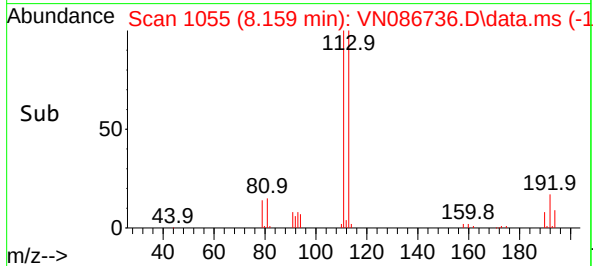
Tgt Ion:113 Resp: 102555

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.2

192 18.8 13.8 20.8



#40

Benzene

Concen: 13.822 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN086736.D

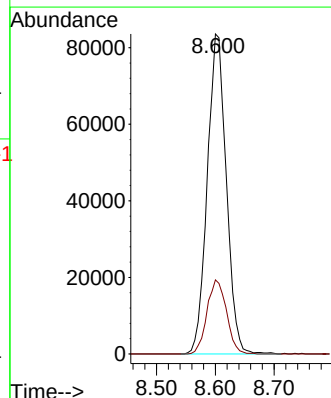
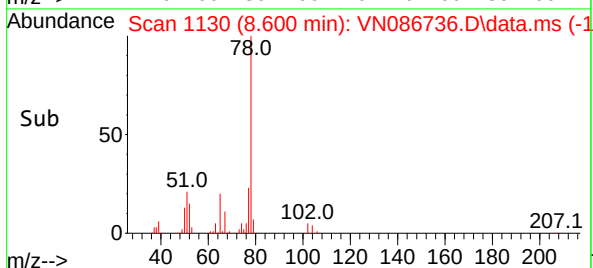
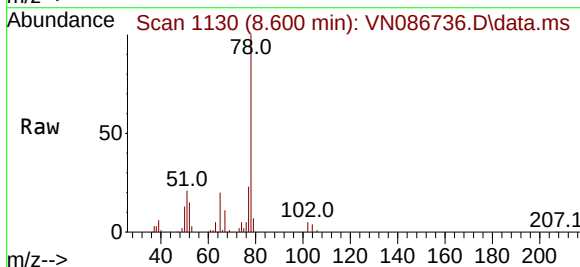
Acq: 21 May 2025 17:06

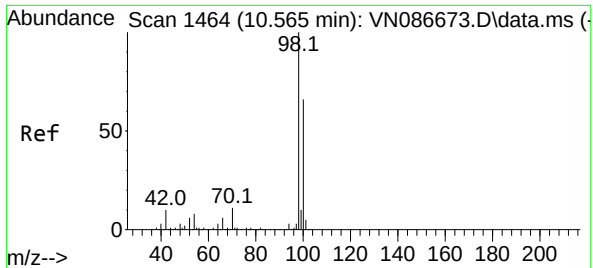
Tgt Ion: 78 Resp: 188161

Ion Ratio Lower Upper

78 100

77 23.1 19.1 28.7

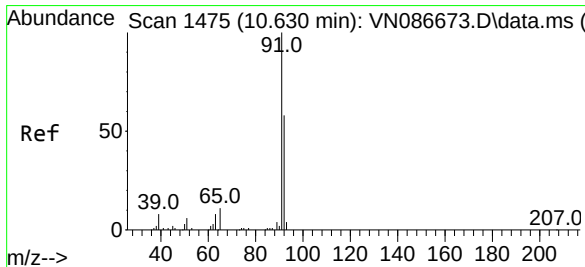
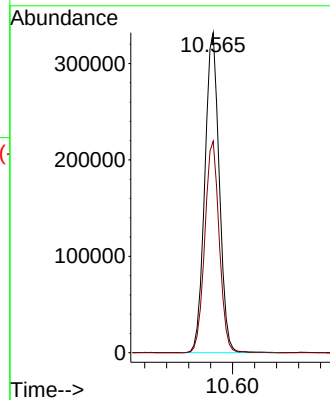
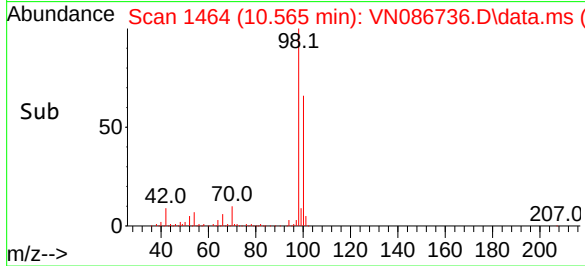
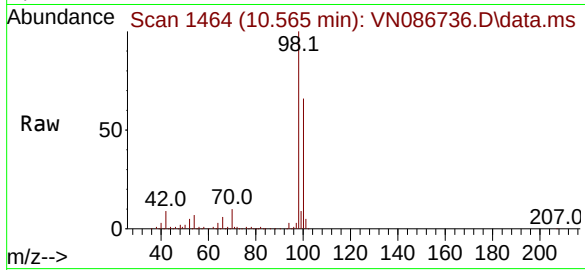




#50
Toluene-d8
Concen: 51.576 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086736.D
Acq: 21 May 2025 17:06

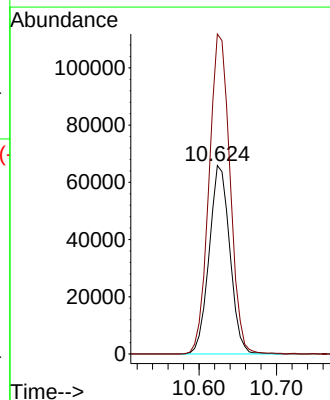
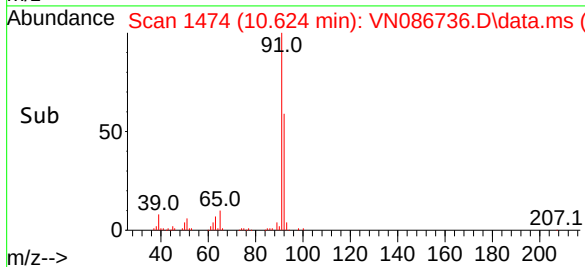
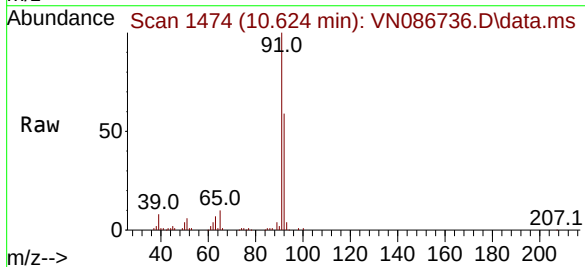
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-02-G

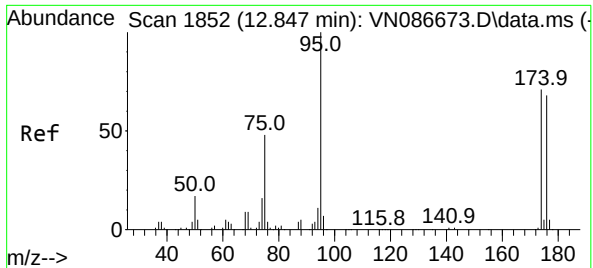
Tgt Ion: 98 Resp: 604673
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3



#52
Toluene
Concen: 14.387 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086736.D
Acq: 21 May 2025 17:06

Tgt Ion: 92 Resp: 121731
Ion Ratio Lower Upper
92 100
91 172.8 137.8 206.8

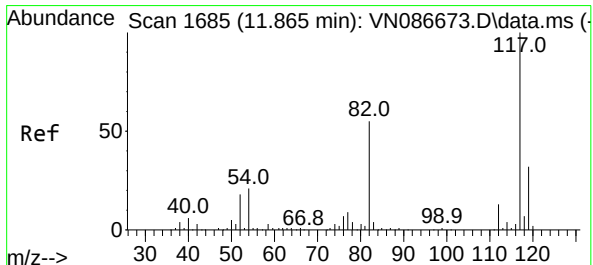
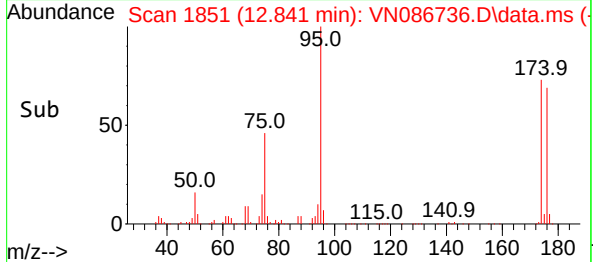
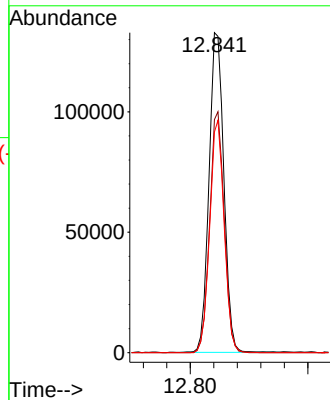
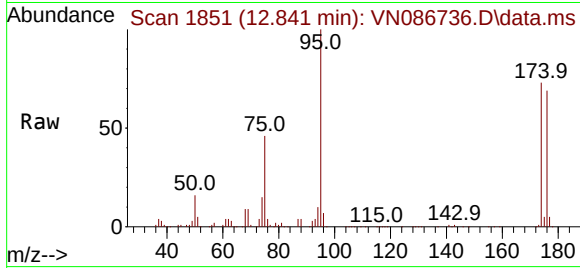




#62
4-Bromofluorobenzene
Concen: 56.021 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VN086736.D
Acq: 21 May 2025 17:06

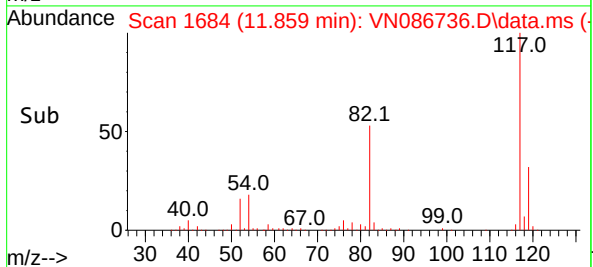
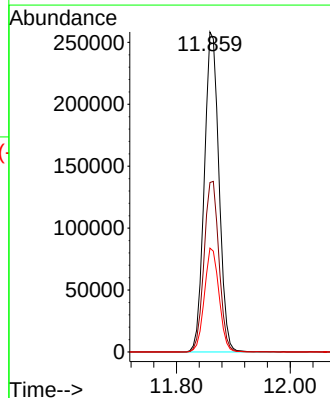
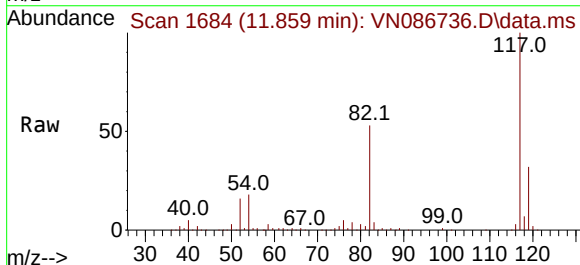
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-02-G

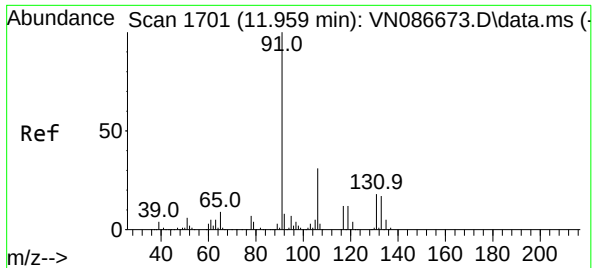
Tgt Ion: 95 Resp: 231910
Ion Ratio Lower Upper
95 100
174 73.9 0.0 145.4
176 70.8 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VN086736.D
Acq: 21 May 2025 17:06

Tgt Ion: 117 Resp: 461977
Ion Ratio Lower Upper
117 100
82 53.0 44.2 66.2
119 32.5 25.4 38.2





#67

Ethyl Benzene

Concen: 126.047 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN086736.D

Acq: 21 May 2025 17:06

Instrument :

MSVOA_N

ClientSampleId :

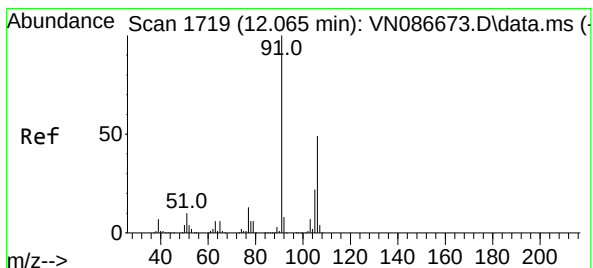
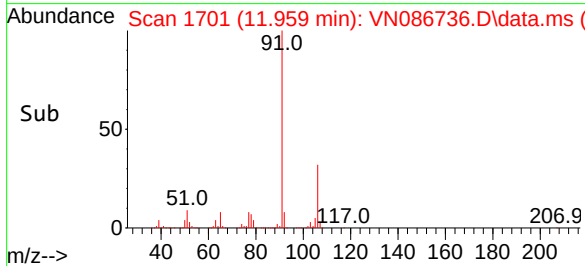
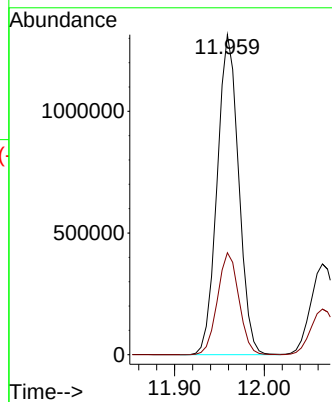
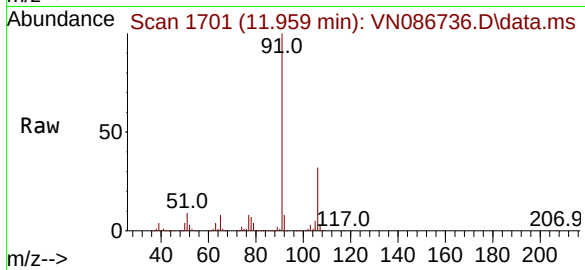
WC-A2-02-G

Tgt Ion: 91 Resp: 2187105

Ion Ratio Lower Upper

91 100

106 31.8 24.6 36.8



#68

m/p-Xylenes

Concen: 55.752 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.000 min

Lab File: VN086736.D

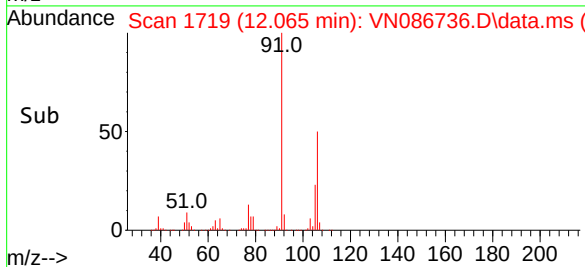
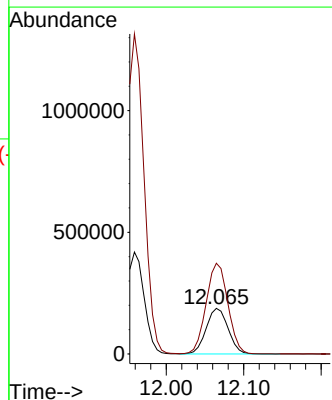
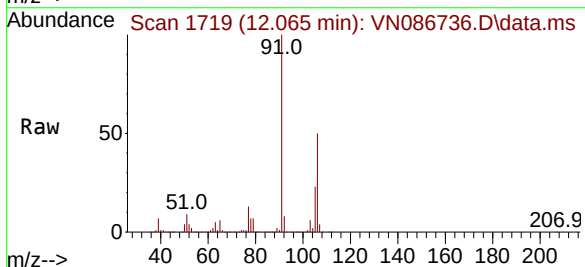
Acq: 21 May 2025 17:06

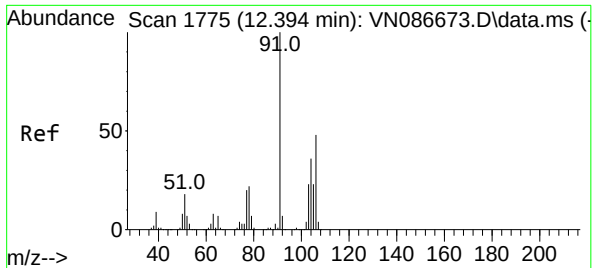
Tgt Ion:106 Resp: 366409

Ion Ratio Lower Upper

106 100

91 197.7 162.4 243.6

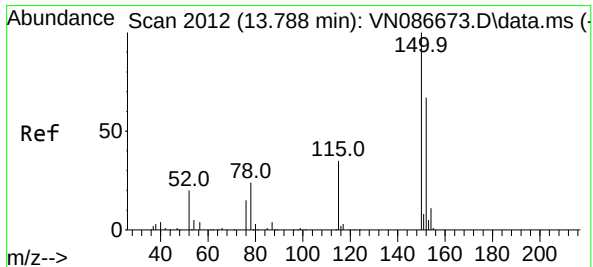
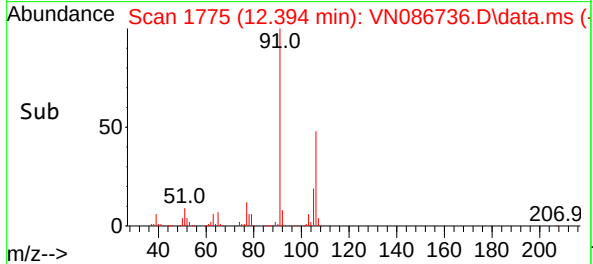
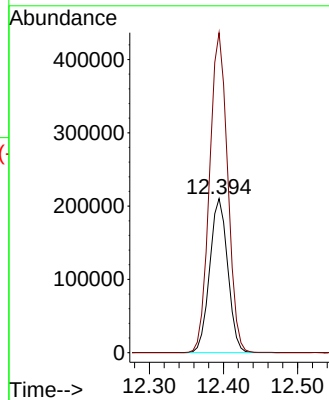
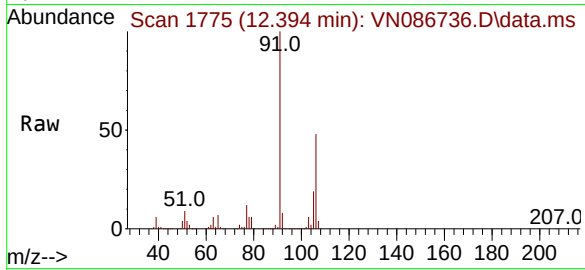




#69
o-Xylene
Concen: 54.340 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086736.D
Acq: 21 May 2025 17:06

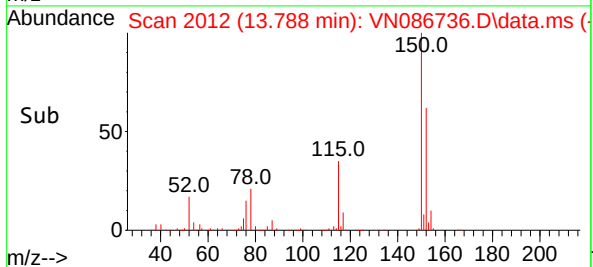
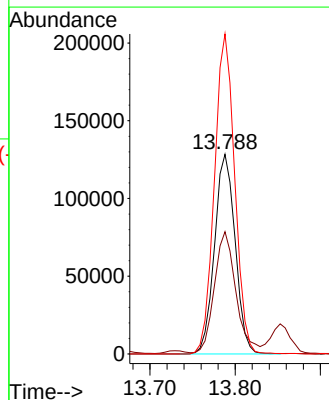
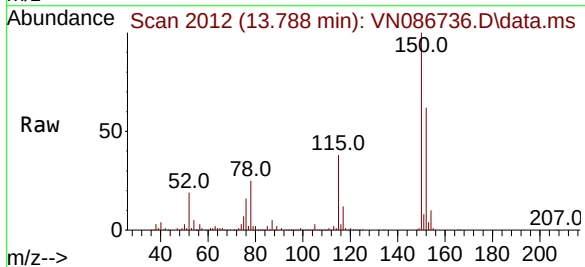
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-02-G

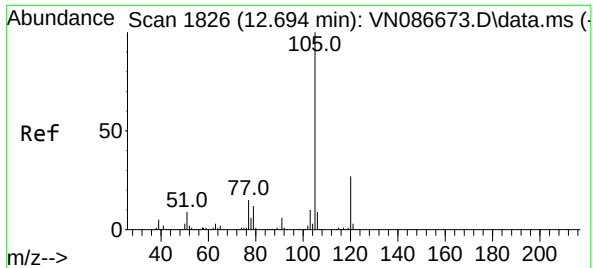
Tgt Ion:106 Resp: 355049
Ion Ratio Lower Upper
106 100
91 208.4 105.1 315.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086736.D
Acq: 21 May 2025 17:06

Tgt Ion:152 Resp: 216516
Ion Ratio Lower Upper
152 100
115 62.8 30.0 90.1
150 157.6 0.0 347.8

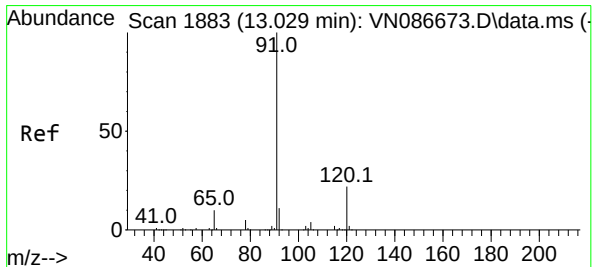
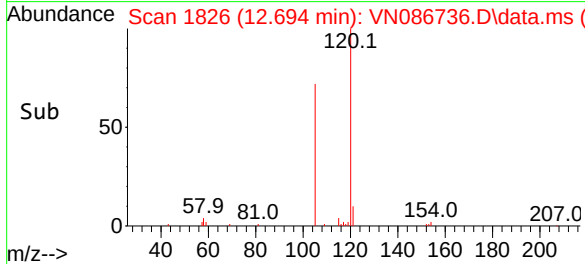
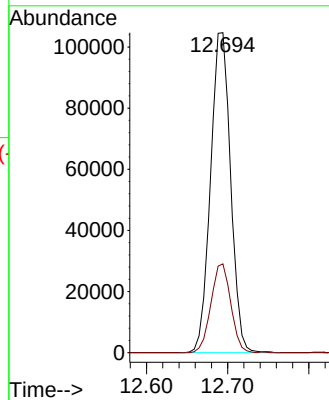
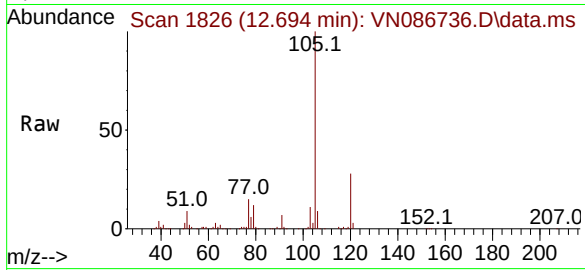




#73
Isopropylbenzene
Concen: 10.748 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086736.D
Acq: 21 May 2025 17:06

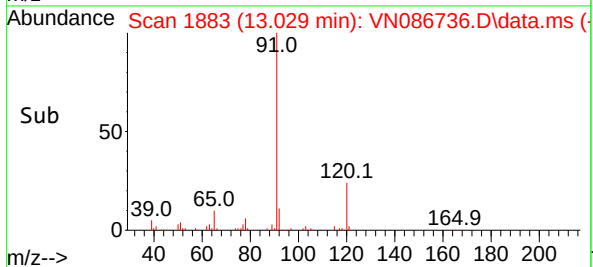
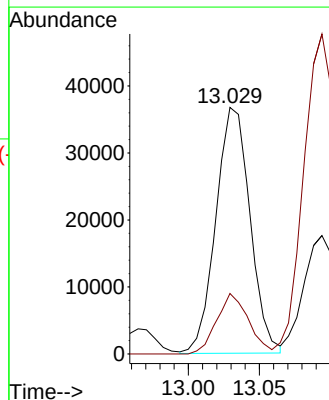
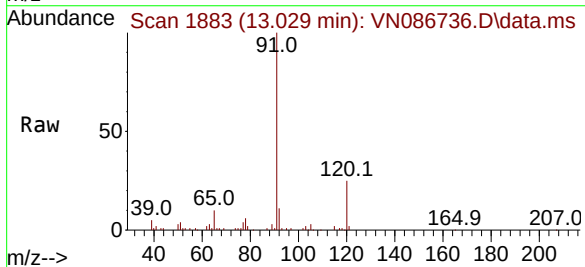
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-02-G

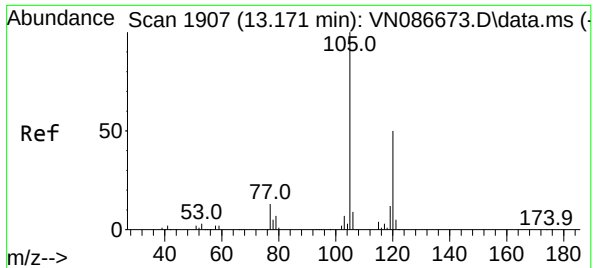
Tgt Ion:105 Resp: 179731
Ion Ratio Lower Upper
105 100
120 27.4 13.4 40.1



#78
n-propylbenzene
Concen: 3.202 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VN086736.D
Acq: 21 May 2025 17:06

Tgt Ion: 91 Resp: 61456
Ion Ratio Lower Upper
91 100
120 23.0 11.4 34.1

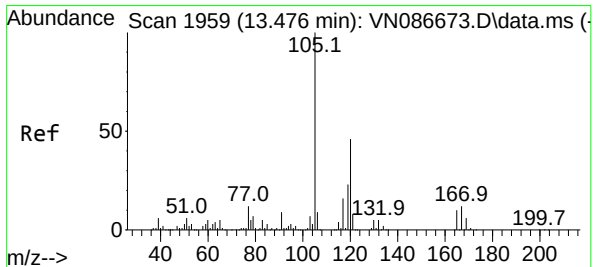
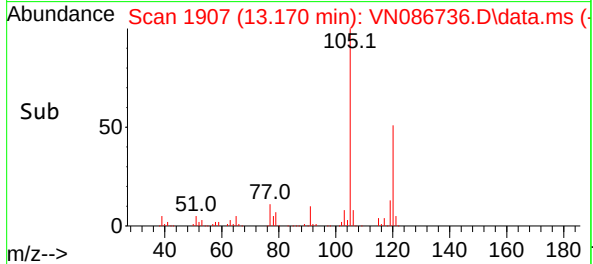
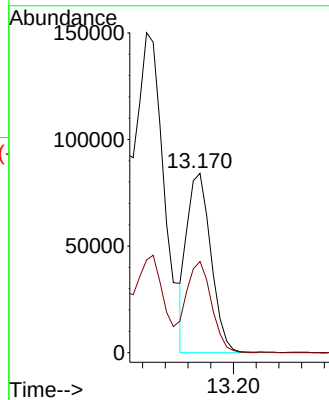
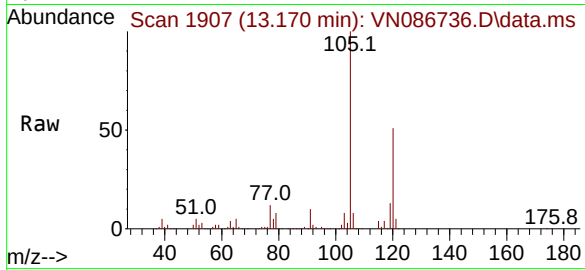




#80
1,3,5-Trimethylbenzene
Concen: 9.169 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086736.D
Acq: 21 May 2025 17:06

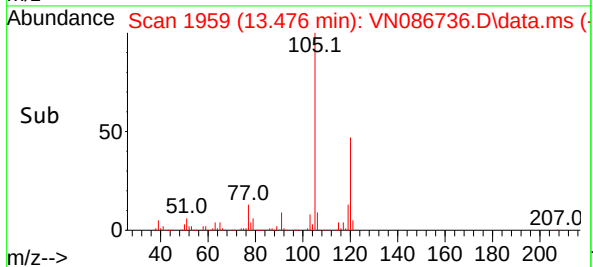
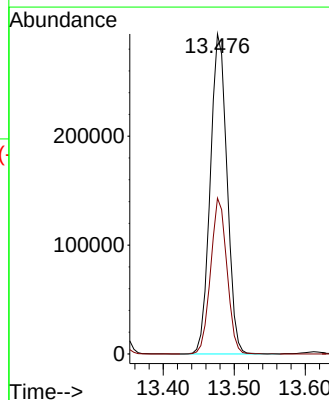
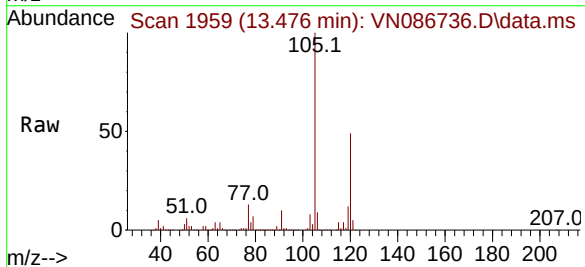
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-02-G

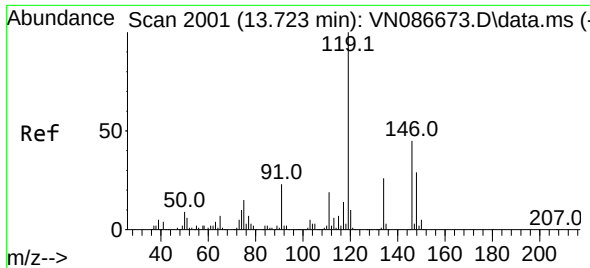
Tgt Ion:105 Resp: 122843
Ion Ratio Lower Upper
105 100
120 55.2 24.9 74.6



#84
1,2,4-Trimethylbenzene
Concen: 36.046 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086736.D
Acq: 21 May 2025 17:06

Tgt Ion:105 Resp: 480908
Ion Ratio Lower Upper
105 100
120 47.3 23.2 69.6

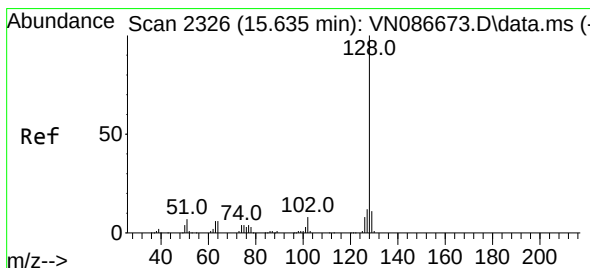
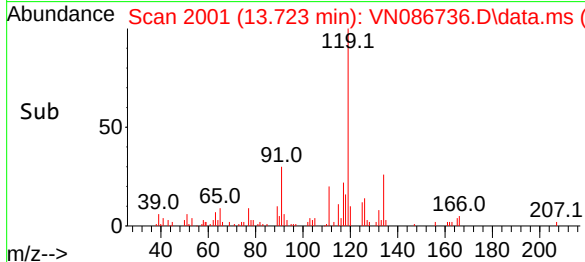
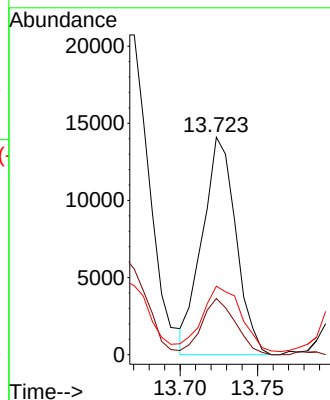
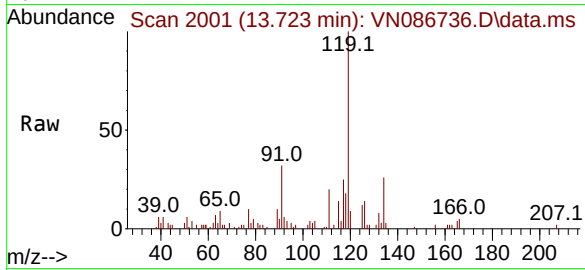




#86
p-Isopropyltoluene
Concen: 1.660 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VN086736.D
Acq: 21 May 2025 17:06

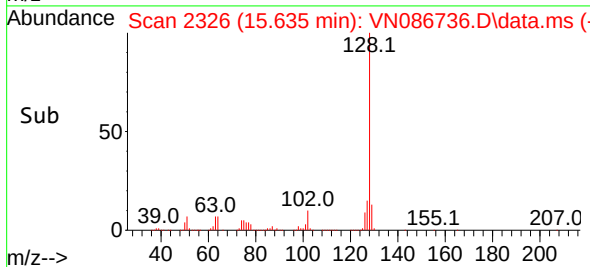
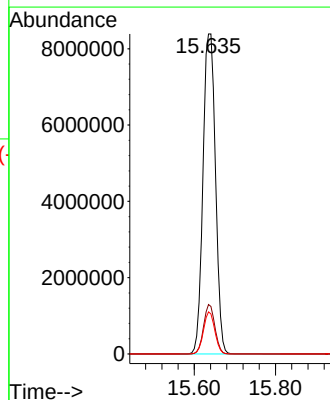
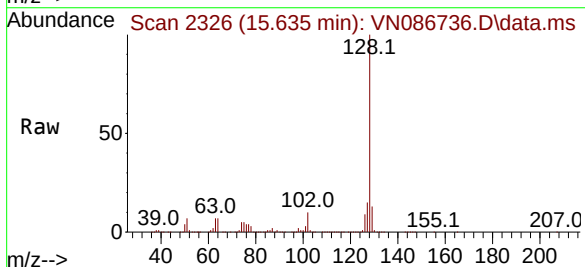
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-02-G

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.1	39.1
91	0.0	11.5	34.5



#95
Naphthalene
Concen: 1763.205 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086736.D
Acq: 21 May 2025 17:06

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.1	15.1
129	11.9	8.6	13.0



Report of Analysis

Client:	ENTACT	Date Collected:	05/13/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/19/25
Client Sample ID:	WC-A2-02-GRE	SDG No.:	Q2079
Lab Sample ID:	Q2079-05RE	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086759.D	1		05/22/25 12:19	VN052225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.00026	U	0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.00023	U	0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.00098	U	0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.00025	U	0.00025	0.0050	mg/L
67-66-3	Chloroform	0.00025	U	0.00025	0.0050	mg/L
71-43-2	Benzene	0.014		0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.00022	U	0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.000090	U	0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.00023	U	0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.00012	U	0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.9		70 (74) - 130 (125)	90%	SPK: 50
1868-53-7	Dibromofluoromethane	36.8		70 (75) - 130 (124)	74%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.4		70 (77) - 130 (121)	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	240000	8.224			
540-36-3	1,4-Difluorobenzene	448000	9.1			
3114-55-4	Chlorobenzene-d5	430000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	215000	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\VN052225\
 Data File : VN086759.D
 Acq On : 22 May 2025 12:19
 Operator : JC\MD
 Sample : Q2079-05RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A2-02-GRE

Quant Time: May 23 01:35:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

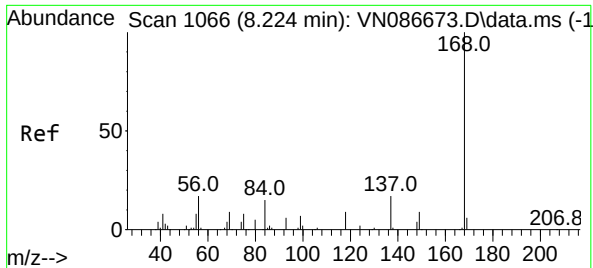
Internal Standards						
1) Pentafluorobenzene	8.224	168	240014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	448142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	429564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	215128	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	148846	44.880	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.760%		
35) Dibromofluoromethane	8.159	113	98149	36.775	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	73.560%#		
50) Toluene-d8	10.565	98	564324	51.024	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.040%		
62) 4-Bromofluorobenzene	12.847	95	216407	55.415	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	110.820%		
Target Compounds					Qvalue	
16) Acetone	4.424	43	127358	102.657	ug/l	93
17) Carbon Disulfide	4.718	76	9136	1.233	ug/l	95
20) Methylene Chloride	5.277	84	7021	2.145	ug/l	97
40) Benzene	8.606	78	177441	13.817	ug/l	97
52) Toluene	10.629	92	113166	14.178	ug/l	99
67) Ethyl Benzene	11.959	91	2008953	124.516	ug/l	99
68) m/p-Xylenes	12.065	106	330474	54.078	ug/l	96
69) o-Xylene	12.394	106	322205	53.034	ug/l	99
73) Isopropylbenzene	12.694	105	161244	9.705	ug/l	100
78) n-propylbenzene	13.029	91	54831	2.876	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	113920	8.558	ug/l	93
84) 1,2,4-Trimethylbenzene	13.476	105	452648	34.146	ug/l	99
86) p-Isopropyltoluene	13.723	119	19133	1.500	ug/l #	77
95) Naphthalene	15.635	128	17938476	1777.983	ug/l	97

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

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-02-GRE

Chromatogram plot showing Abundance vs Time (min). The y-axis ranges from 0 to 2.2e+07. The x-axis ranges from 2.00 to 16.00. Numerous peaks are labeled with chemical names and their corresponding retention times. The most prominent peak is Naphthalene-T at approximately 15.5 minutes.

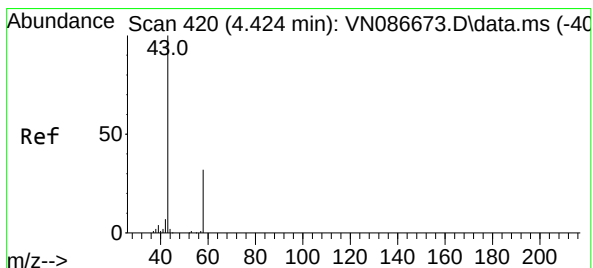
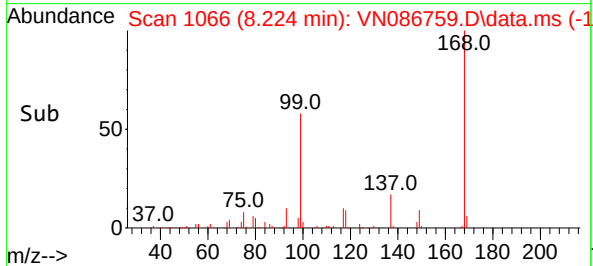
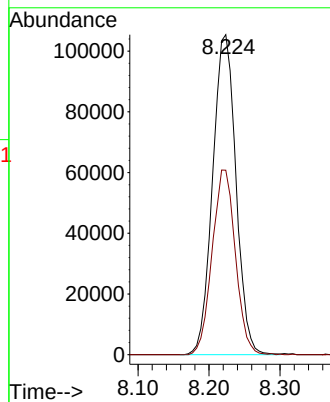
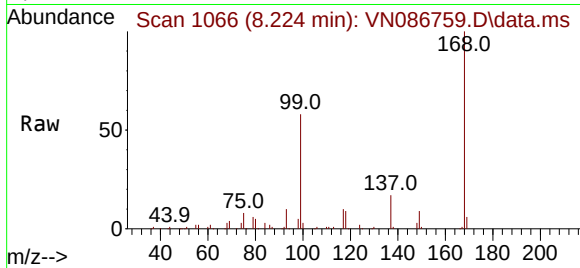
Retention Time (min)	Chemical Name
4.5	Acetone, T
4.8	Carbon Disulfide, T
5.2	Methylene Chloride, T
8.2	Diphenylmethane-d10, S
8.5	Diphenylmethane-d10, S
8.8	Diphenylmethane-d10, S
9.2	1,4-Difluorobenzene, I
10.5	Toluene-d8, S
10.8	Toluene, C
12.2	Chlorobenzene-d5, I
12.5	m/p-Xylenes, T
12.8	o-Xylene, T
13.2	Isopropylbenzene, T
13.5	4-Ethyltoluene, S
13.8	n-Propylbenzene, T
14.2	1,3,5-Trimethylbenzene, T
14.5	1,2,4-Trimethylbenzene, T
14.8	p-Isopropyltoluene, T
15.2	1,2,4-Trimethylbenzene, I
15.5	Naphthalene-T



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

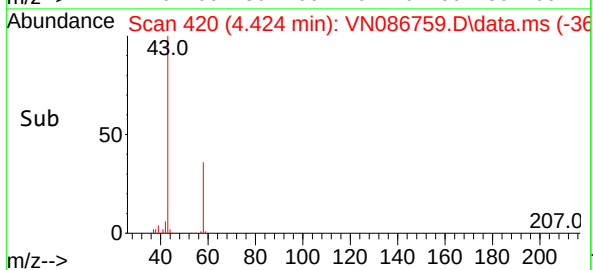
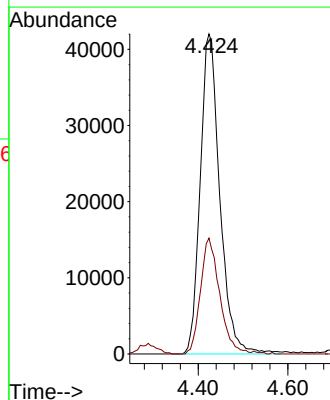
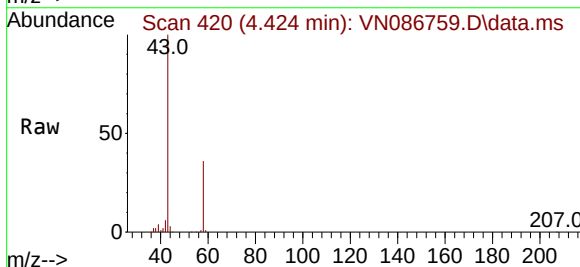
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-02-GRE

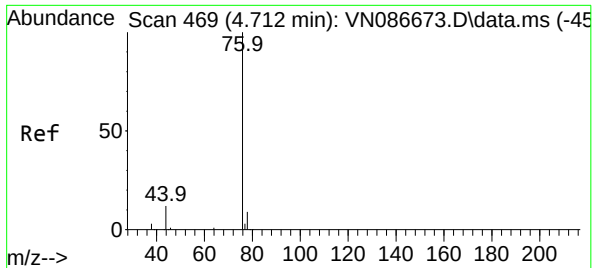
Tgt Ion:168 Resp: 240014
Ion Ratio Lower Upper
168 100
99 57.7 47.0 70.4



#16
Acetone
Concen: 102.657 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

Tgt Ion: 43 Resp: 127358
Ion Ratio Lower Upper
43 100
58 36.2 25.8 38.6

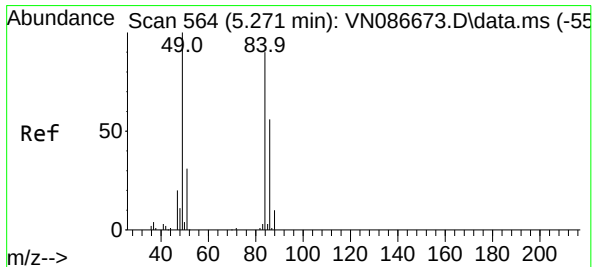
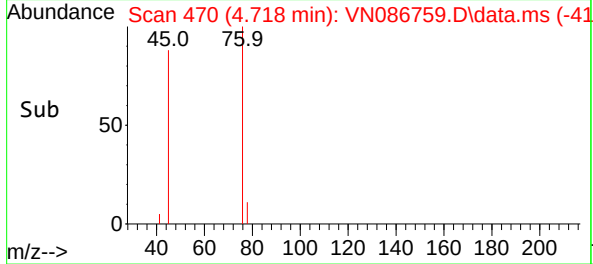
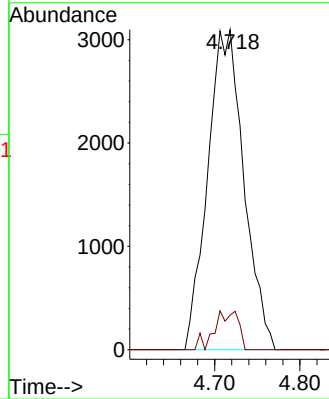
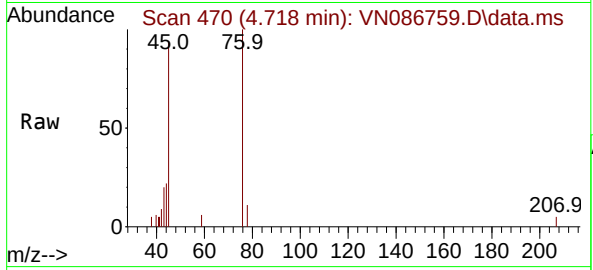




#17
Carbon Disulfide
Concen: 1.233 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

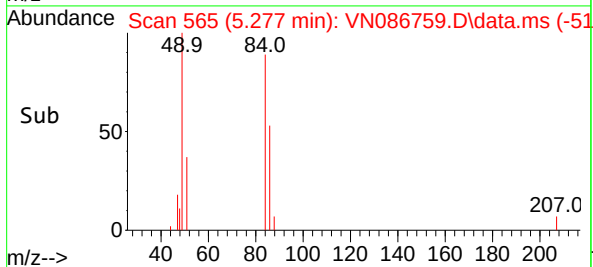
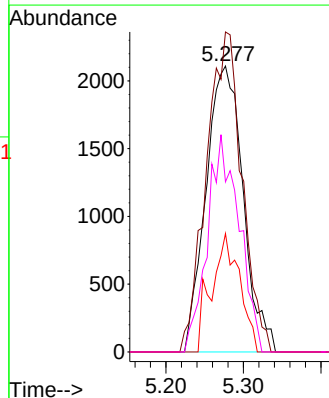
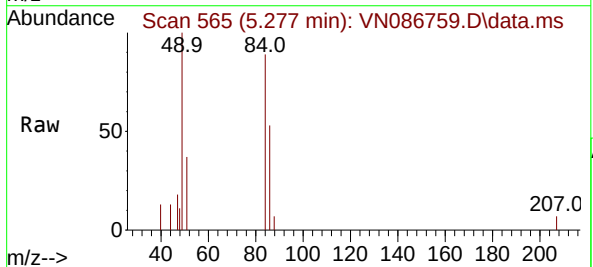
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-02-GRE

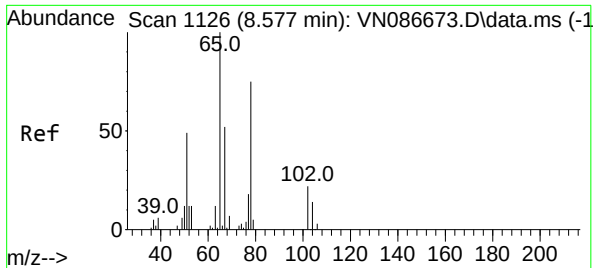
Tgt Ion: 76 Resp: 9136
Ion Ratio Lower Upper
76 100
78 10.8 7.3 10.9



#20
Methylene Chloride
Concen: 2.145 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

Tgt Ion: 84 Resp: 7021
Ion Ratio Lower Upper
84 100
49 111.9 88.8 133.2
51 41.4 27.8 41.6
86 59.5 49.8 74.6





#33

1,2-Dichloroethane-d4

Concen: 44.880 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086759.D

Acq: 22 May 2025 12:19

Instrument :

MSVOA_N

ClientSampleId :

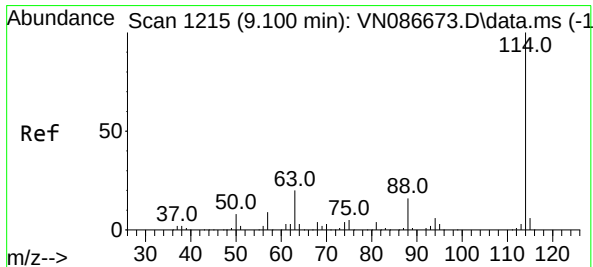
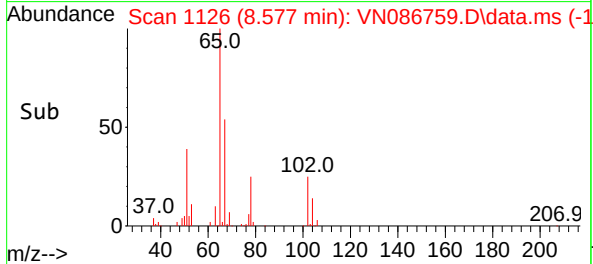
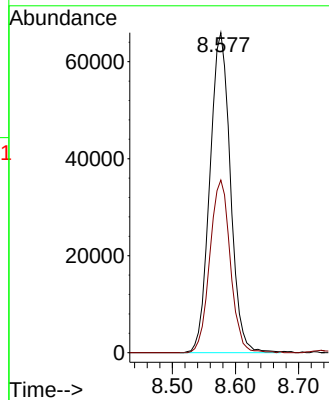
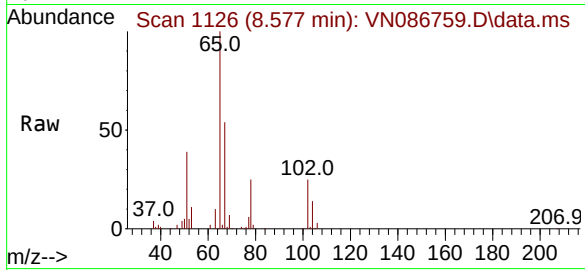
WC-A2-02-GRE

Tgt Ion: 65 Resp: 148846

Ion Ratio Lower Upper

65 100

67 53.8 0.0 106.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086759.D

Acq: 22 May 2025 12:19

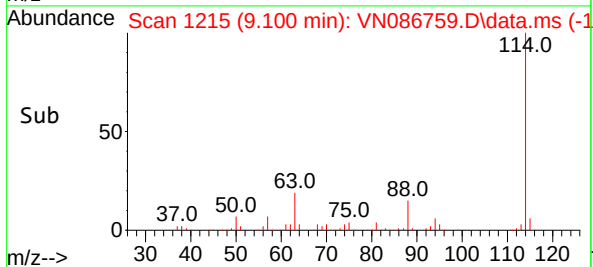
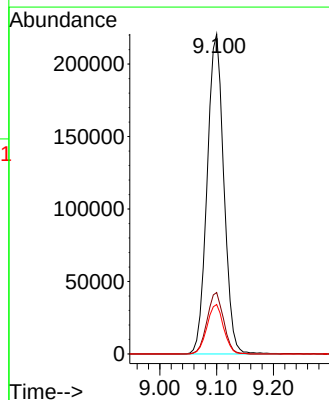
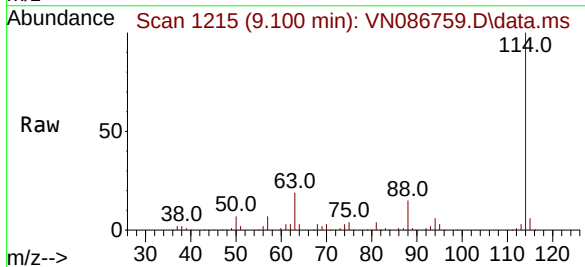
Tgt Ion: 114 Resp: 448142

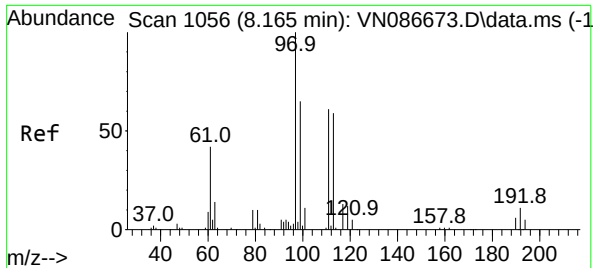
Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.2

88 15.4 0.0 31.2

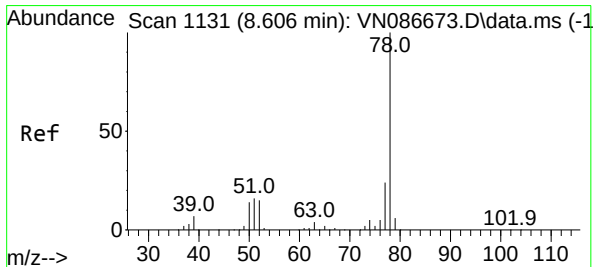
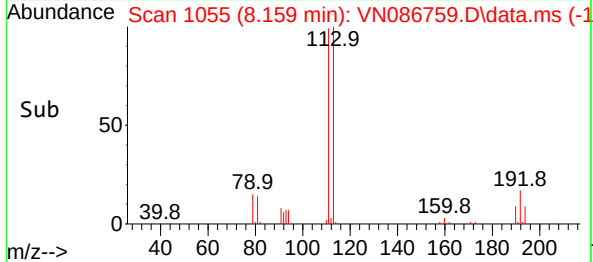
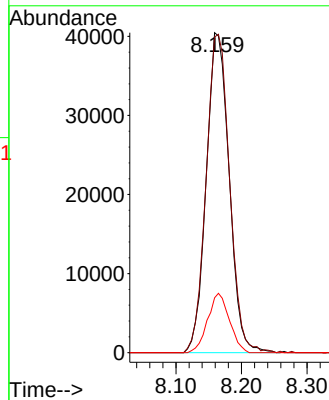
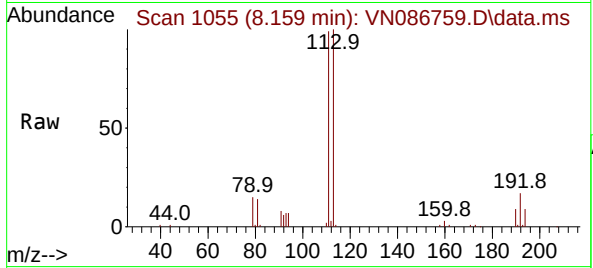




#35
Dibromofluoromethane
Concen: 36.775 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

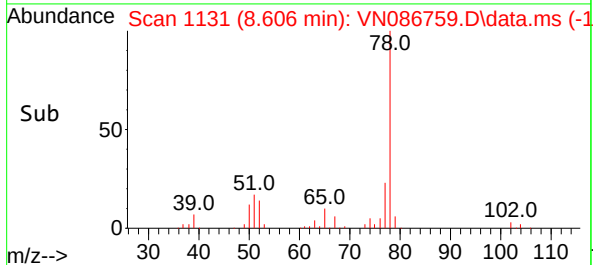
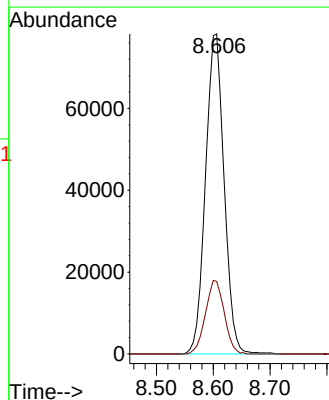
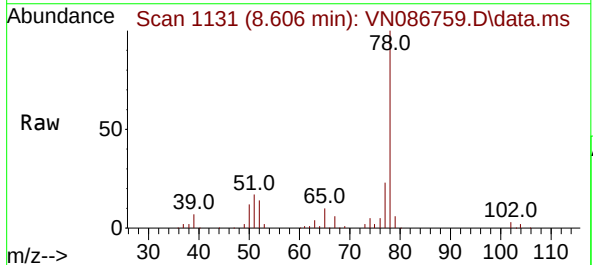
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-02-GRE

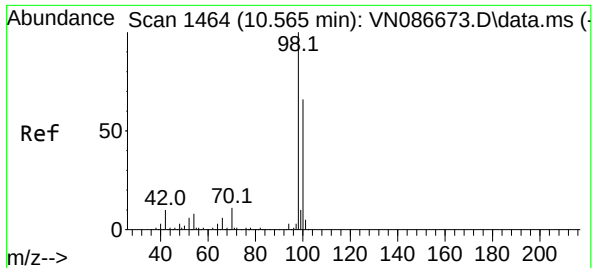
Tgt Ion:113 Resp: 98149
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.2
192 17.6 13.8 20.8



#40
Benzene
Concen: 13.817 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

Tgt Ion: 78 Resp: 177441
Ion Ratio Lower Upper
78 100
77 22.6 19.1 28.7

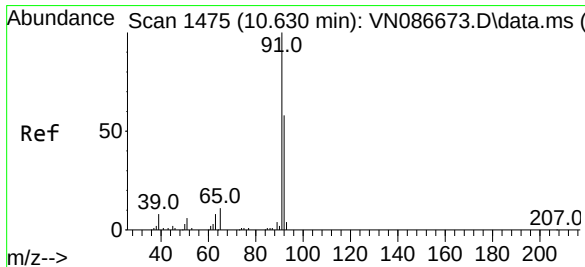
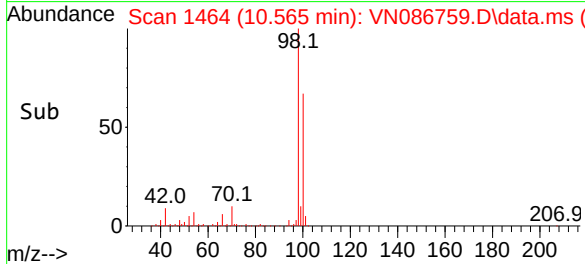
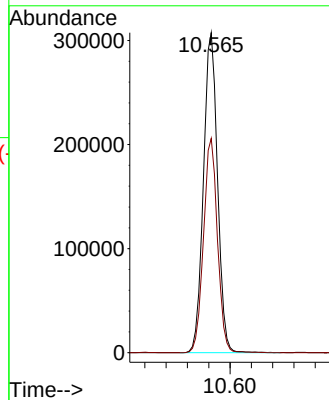
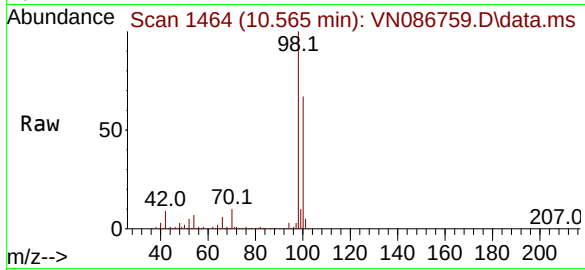




#50
Toluene-d8
Concen: 51.024 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

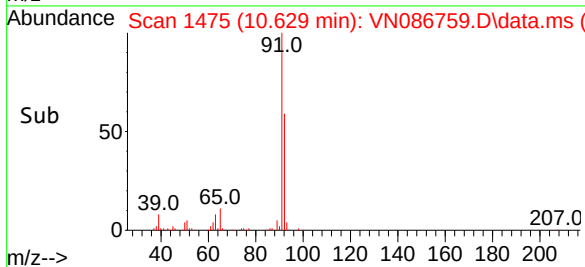
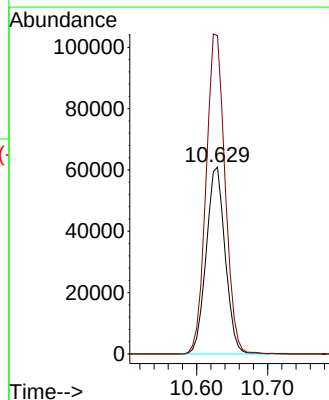
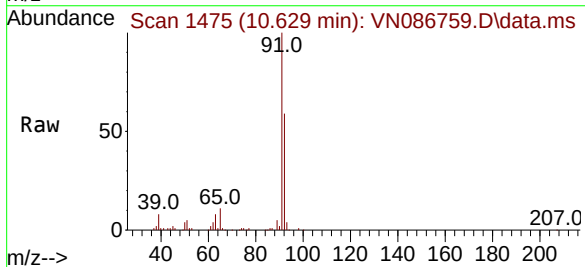
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-02-GRE

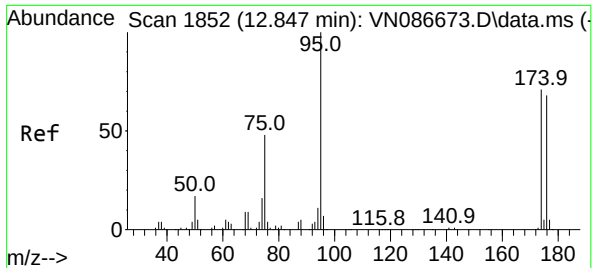
Tgt Ion: 98 Resp: 564324
Ion Ratio Lower Upper
98 100
100 66.3 52.9 79.3



#52
Toluene
Concen: 14.178 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

Tgt Ion: 92 Resp: 113166
Ion Ratio Lower Upper
92 100
91 171.5 137.8 206.8

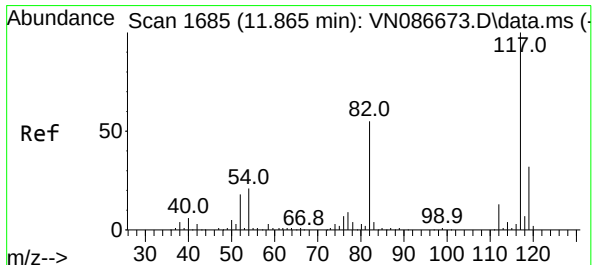
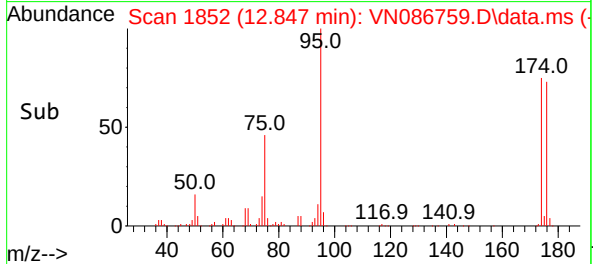
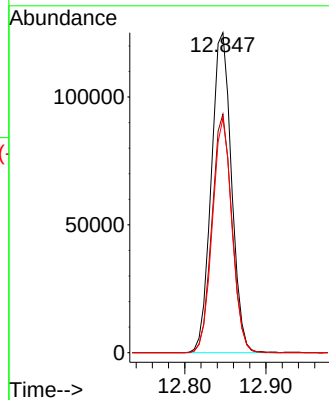
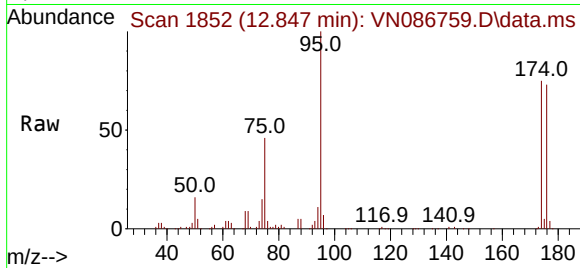




#62
4-Bromofluorobenzene
Concen: 55.415 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

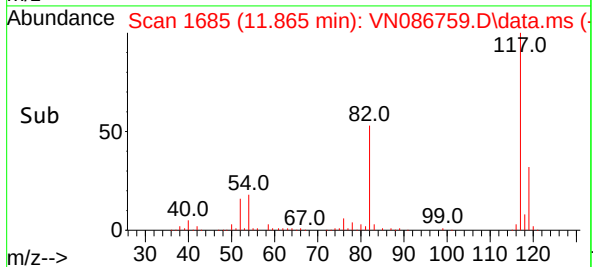
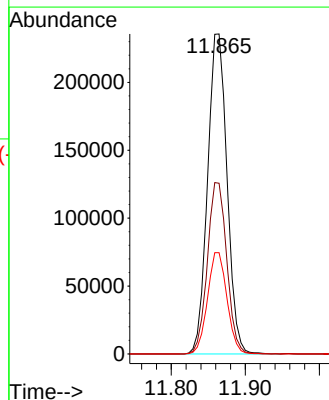
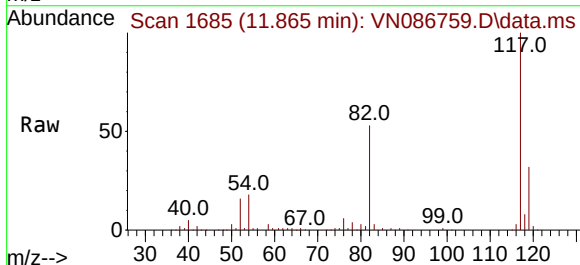
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-02-GRE

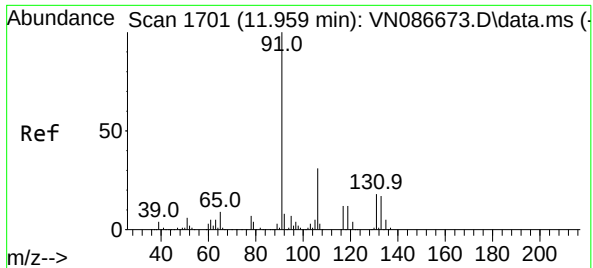
Tgt Ion: 95 Resp: 216407
Ion Ratio Lower Upper
95 100
174 73.5 0.0 145.4
176 71.0 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

Tgt Ion: 117 Resp: 429564
Ion Ratio Lower Upper
117 100
82 53.4 44.2 66.2
119 31.7 25.4 38.2





#67

Ethyl Benzene

Concen: 124.516 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN086759.D

Acq: 22 May 2025 12:19

Instrument :

MSVOA_N

ClientSampleId :

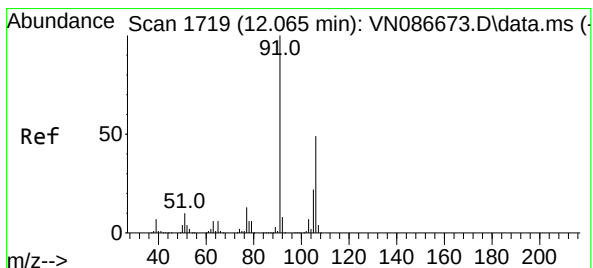
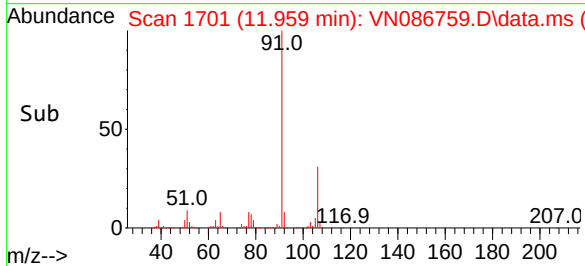
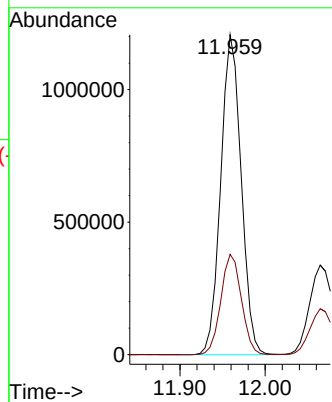
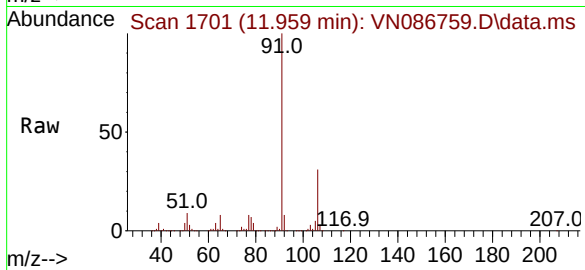
WC-A2-02-GRE

Tgt Ion: 91 Resp: 2008953

Ion Ratio Lower Upper

91 100

106 31.4 24.6 36.8



#68

m/p-Xylenes

Concen: 54.078 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.000 min

Lab File: VN086759.D

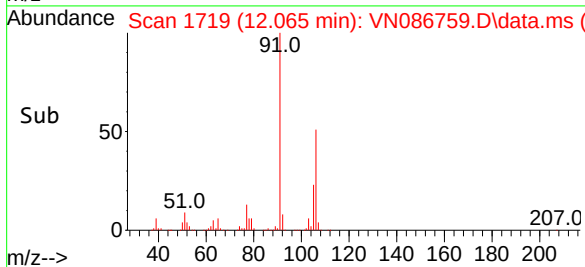
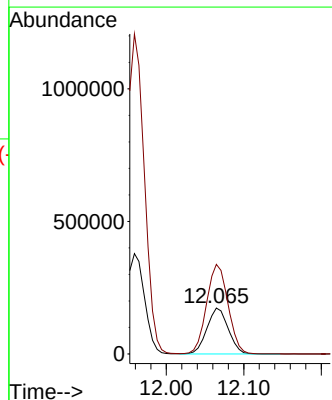
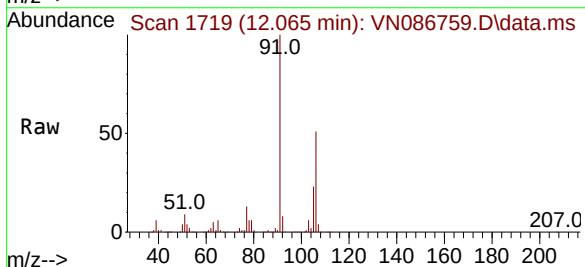
Acq: 22 May 2025 12:19

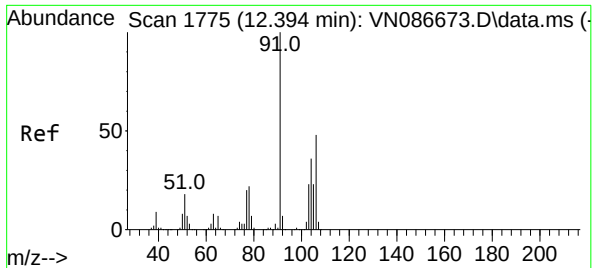
Tgt Ion:106 Resp: 330474

Ion Ratio Lower Upper

106 100

91 196.7 162.4 243.6

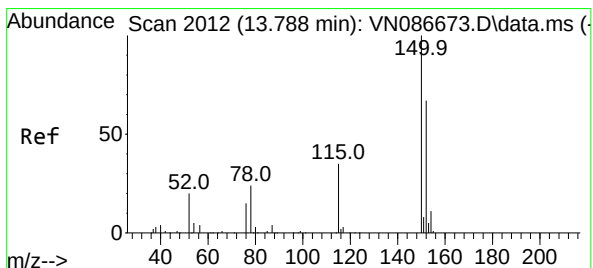
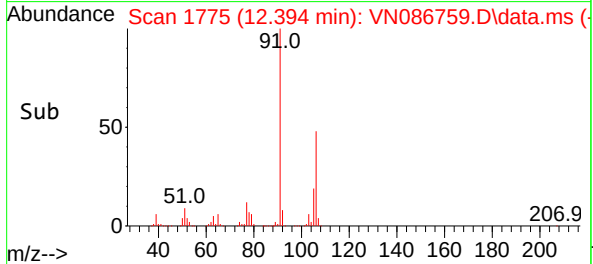
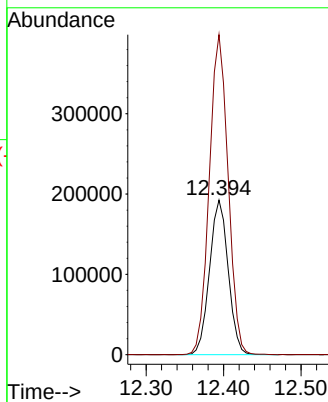
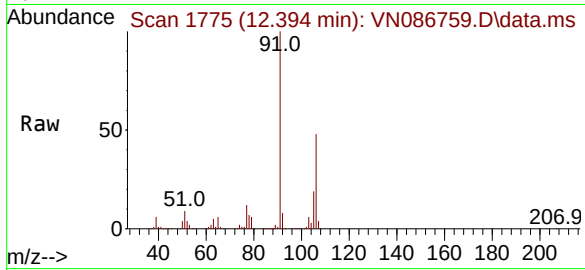




#69
o-Xylene
Concen: 53.034 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

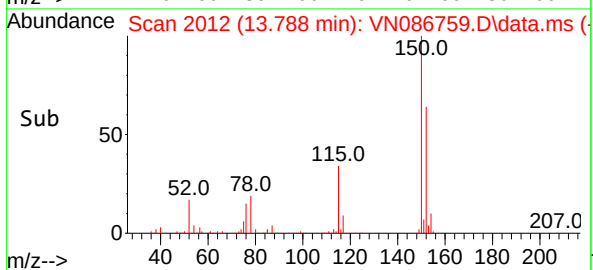
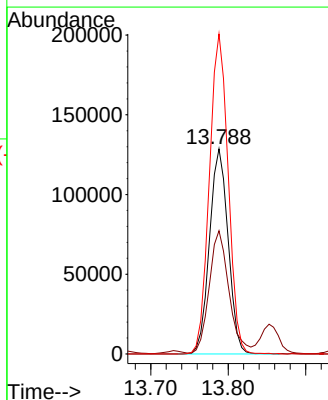
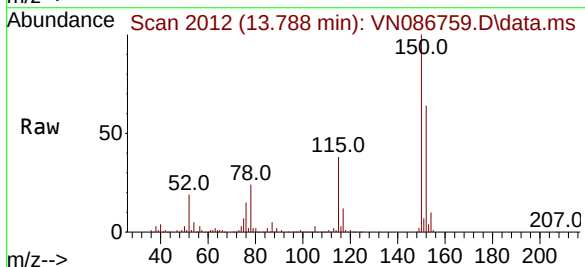
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-02-GRE

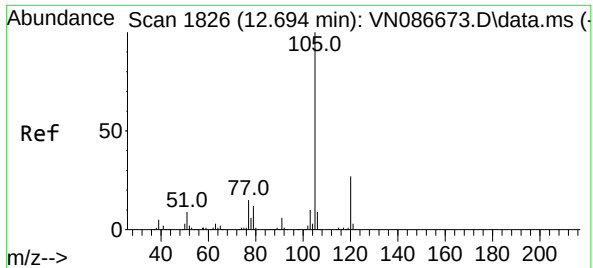
Tgt Ion:106 Resp: 322205
Ion Ratio Lower Upper
106 100
91 208.5 105.1 315.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

Tgt Ion:152 Resp: 215128
Ion Ratio Lower Upper
152 100
115 62.7 30.0 90.1
150 157.0 0.0 347.8

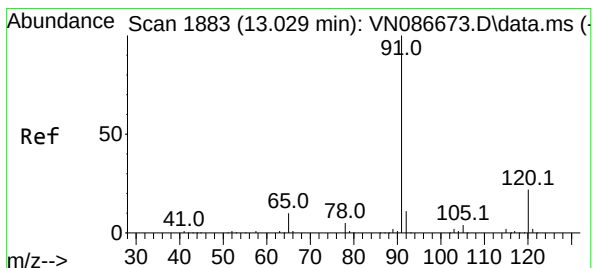
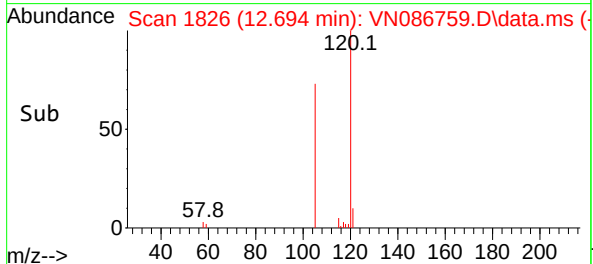
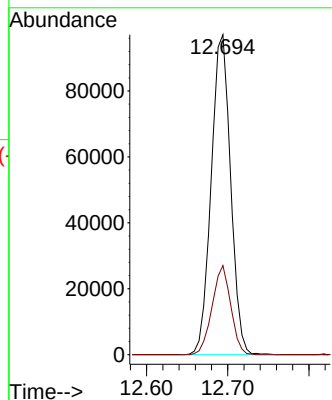
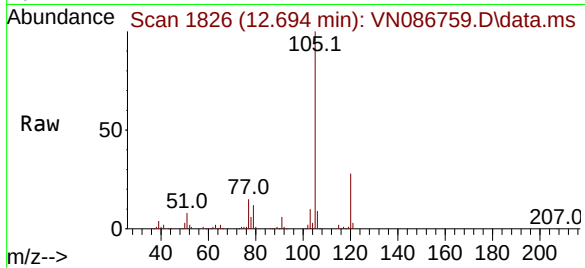




#73
Isopropylbenzene
Concen: 9.705 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

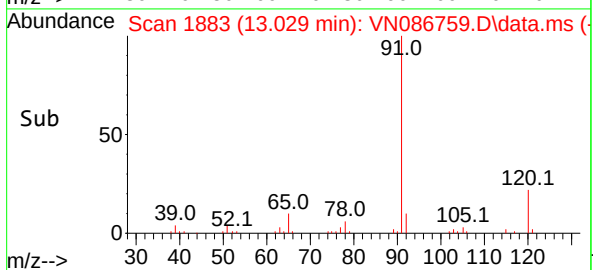
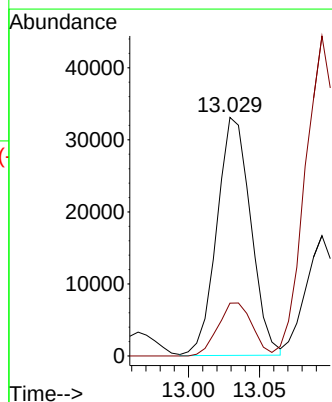
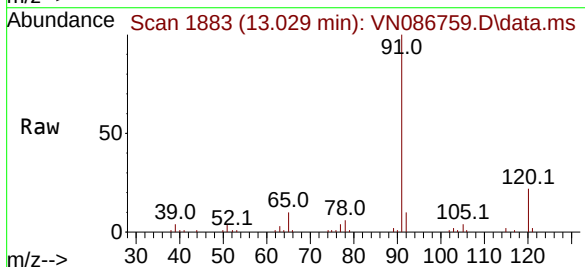
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-02-GRE

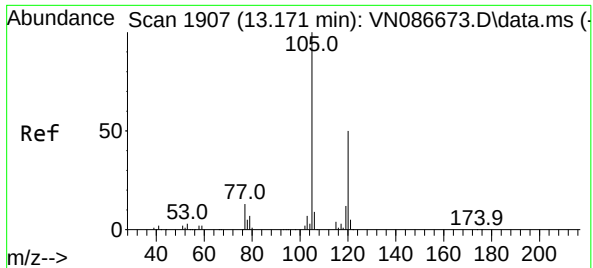
Tgt Ion:105 Resp: 161244
Ion Ratio Lower Upper
105 100
120 26.7 13.4 40.1



#78
n-propylbenzene
Concen: 2.876 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

Tgt Ion: 91 Resp: 54831
Ion Ratio Lower Upper
91 100
120 22.6 11.4 34.1





#80

1,3,5-Trimethylbenzene

Concen: 8.558 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN086759.D

Acq: 22 May 2025 12:19

Instrument :

MSVOA_N

ClientSampleId :

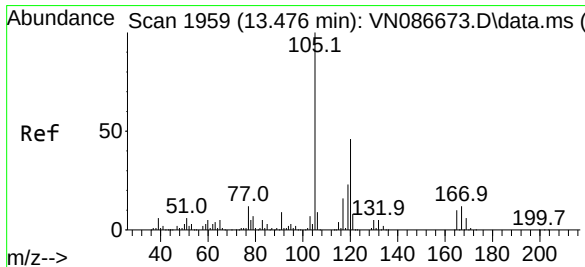
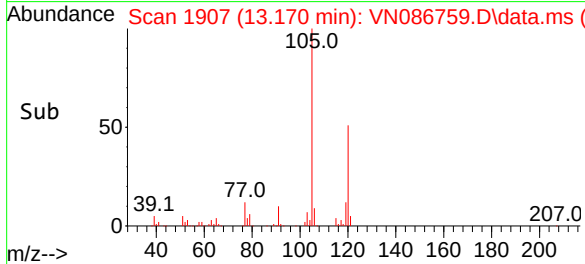
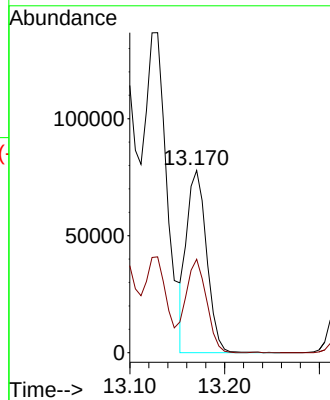
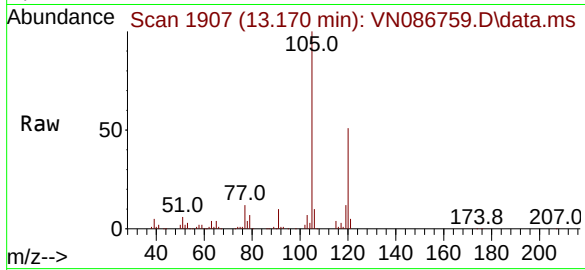
WC-A2-02-GRE

Tgt Ion:105 Resp: 113920

Ion Ratio Lower Upper

105 100

120 54.5 24.9 74.6



#84

1,2,4-Trimethylbenzene

Concen: 34.146 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.000 min

Lab File: VN086759.D

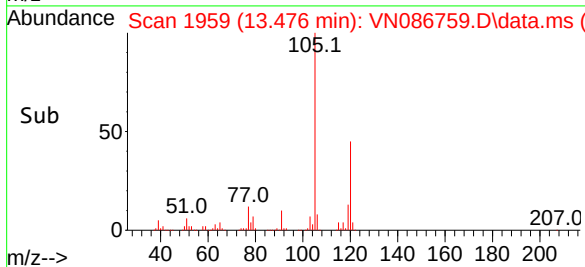
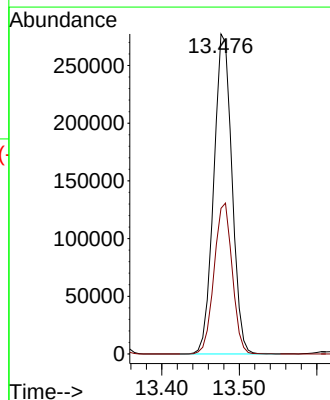
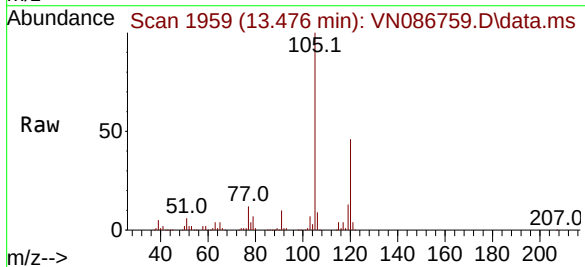
Acq: 22 May 2025 12:19

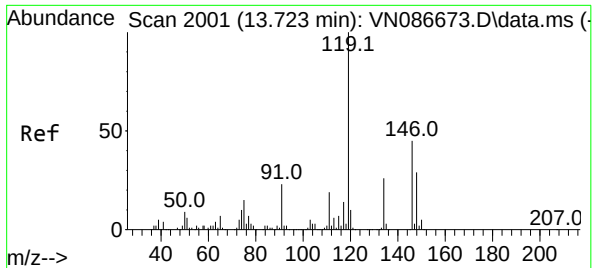
Tgt Ion:105 Resp: 452648

Ion Ratio Lower Upper

105 100

120 46.9 23.2 69.6

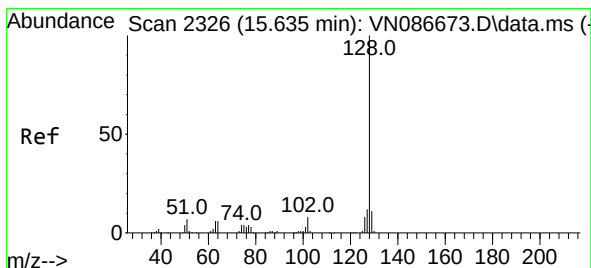
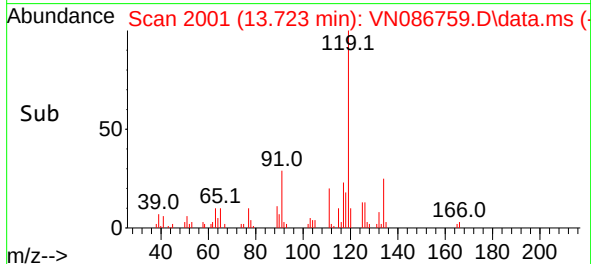
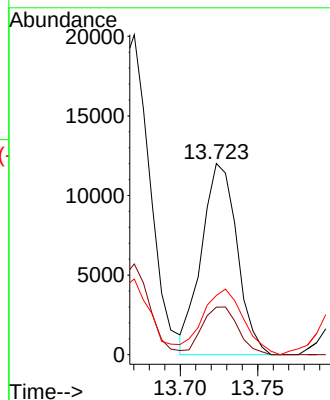
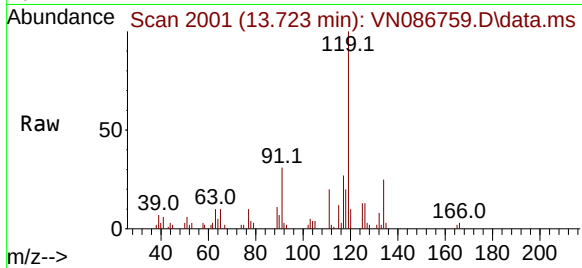




#86
p-Isopropyltoluene
Concen: 1.500 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

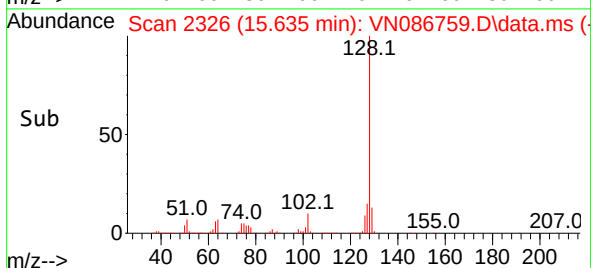
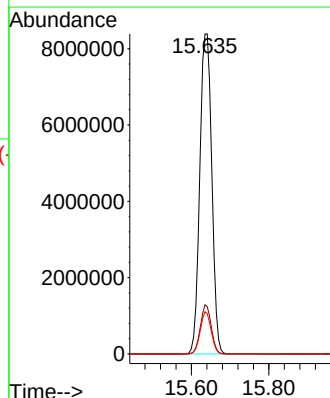
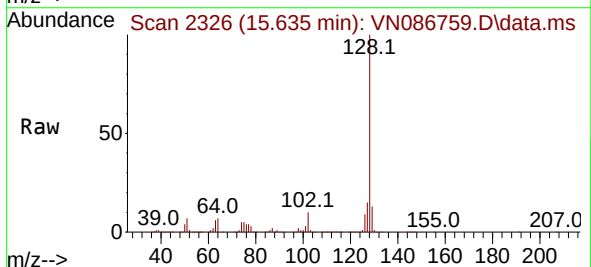
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-02-GRE

Tgt Ion:119 Resp: 19133
Ion Ratio Lower Upper
119 100
134 25.3 13.1 39.1
91 0.0 11.5 34.5#



#95
Naphthalene
Concen: 1777.983 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

Tgt Ion:128 Resp:17938476
Ion Ratio Lower Upper
128 100
127 14.0 10.1 15.1
129 12.0 8.6 13.0



Report of Analysis

Client:	ENTACT	Date Collected:	05/13/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/19/25
Client Sample ID:	WC-A2-03-G	SDG No.:	Q2079
Lab Sample ID:	Q2079-09	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086737.D	1		05/21/25 17:30	VN052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.00026	U	0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.00023	U	0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.0052	J	0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.00025	U	0.00025	0.0050	mg/L
67-66-3	Chloroform	0.00025	U	0.00025	0.0050	mg/L
71-43-2	Benzene	0.011		0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.00022	U	0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.000090	U	0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.00023	U	0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.00012	U	0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.5		70 (74) - 130 (125)	89%	SPK: 50
1868-53-7	Dibromofluoromethane	39.1		70 (75) - 130 (124)	78%	SPK: 50
2037-26-5	Toluene-d8	51.3		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.3		70 (77) - 130 (121)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	258000	8.224			
540-36-3	1,4-Difluorobenzene	481000	9.1			
3114-55-4	Chlorobenzene-d5	461000	11.859			
3855-82-1	1,4-Dichlorobenzene-d4	216000	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\VN052125\
 Data File : VN086737.D
 Acq On : 21 May 2025 17:30
 Operator : JC\MD
 Sample : Q2079-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A2-03-G

Quant Time: May 22 01:27:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

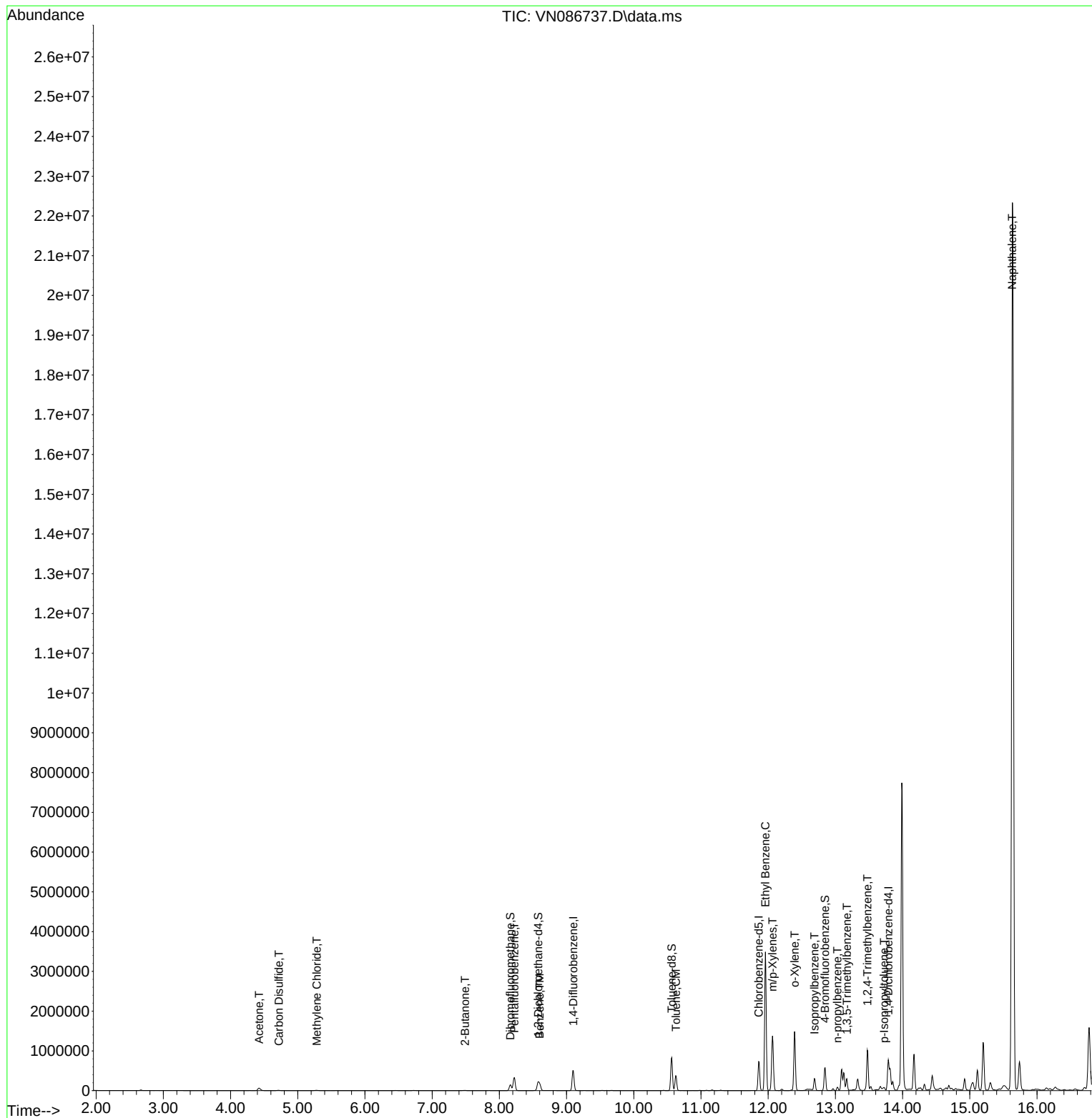
Internal Standards						
1) Pentafluorobenzene	8.224	168	258359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	480749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	461451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	215962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	158821	44.487	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.980%		
35) Dibromofluoromethane	8.165	113	111874	39.075	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	78.140%		
50) Toluene-d8	10.565	98	609237	51.349	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.700%		
62) 4-Bromofluorobenzene	12.847	95	227394	54.279	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	108.560%		
Target Compounds					Qvalue	
16) Acetone	4.424	43	118958	89.078	ug/l	95
17) Carbon Disulfide	4.718	76	9787	1.227	ug/l #	94
20) Methylene Chloride	5.283	84	7307	2.073	ug/l	87
25) 2-Butanone	7.488	43	10664	5.168	ug/l	93
40) Benzene	8.600	78	152133	11.043	ug/l	100
52) Toluene	10.629	92	179264	20.936	ug/l	100
67) Ethyl Benzene	11.959	91	2636772	152.135	ug/l	98
68) m/p-Xylenes	12.065	106	477643	72.760	ug/l	96
69) o-Xylene	12.394	106	436441	66.873	ug/l	99
73) Isopropylbenzene	12.688	105	213725	12.814	ug/l	100
78) n-propylbenzene	13.029	91	71665	3.744	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	166779	12.480	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	600556	45.129	ug/l	99
86) p-Isopropyltoluene	13.723	119	26223	2.047	ug/l #	78
95) Naphthalene	15.629	128	20226672	1997.037	ug/l #	93

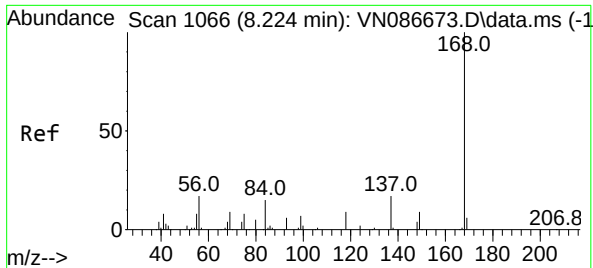
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
Data File : VN086737.D
Acq On : 21 May 2025 17:30
Operator : JC\MD
Sample : Q2079-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-03-G

Quant Time: May 22 01:27:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

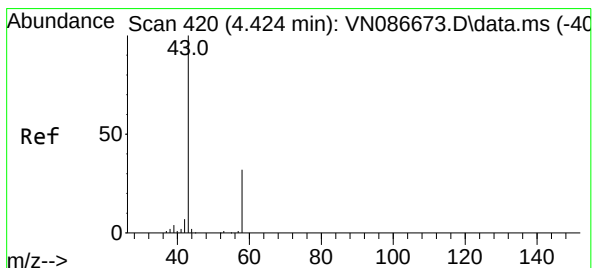
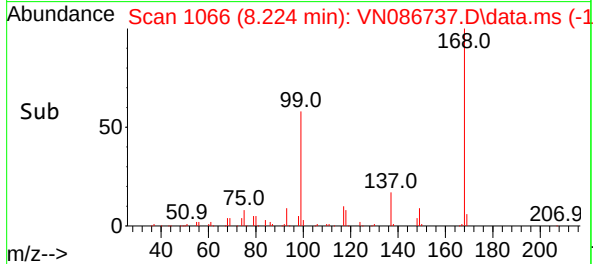
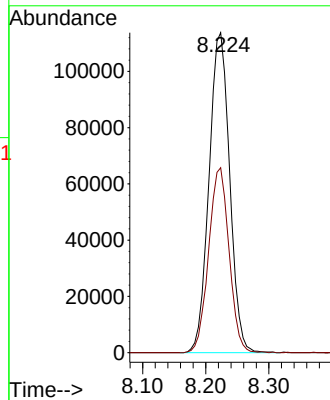
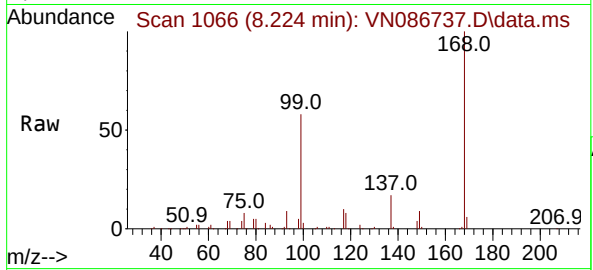




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086737.D
Acq: 21 May 2025 17:30

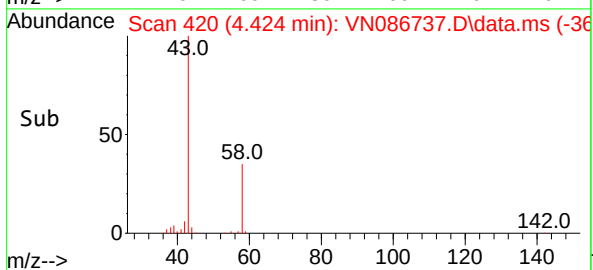
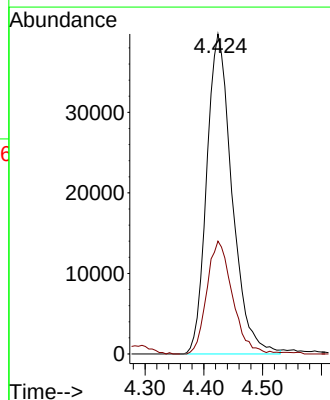
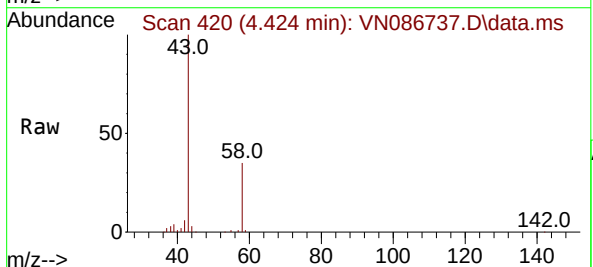
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-03-G

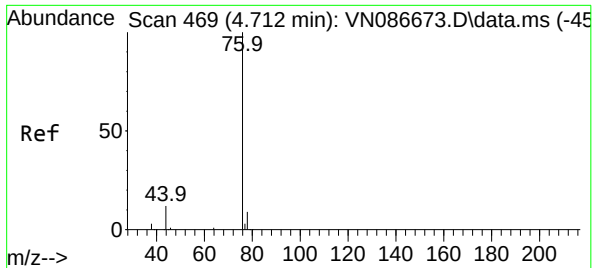
Tgt Ion:168 Resp: 258359
Ion Ratio Lower Upper
168 100
99 57.8 47.0 70.4



#16
Acetone
Concen: 89.078 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086737.D
Acq: 21 May 2025 17:30

Tgt Ion: 43 Resp: 118958
Ion Ratio Lower Upper
43 100
58 35.3 25.8 38.6

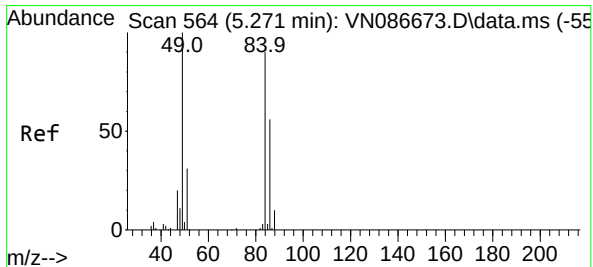
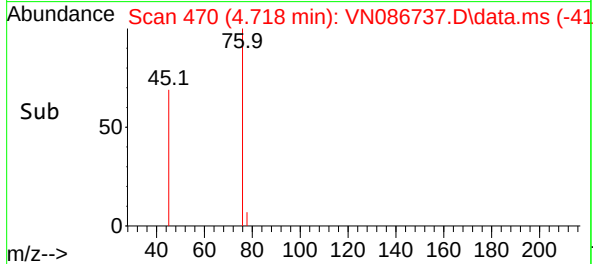
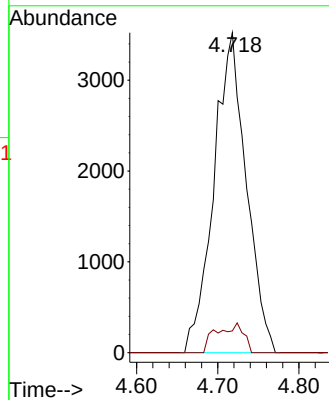
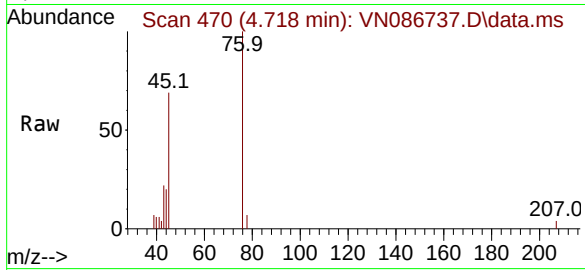




#17
Carbon Disulfide
Concen: 1.227 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086737.D
Acq: 21 May 2025 17:30

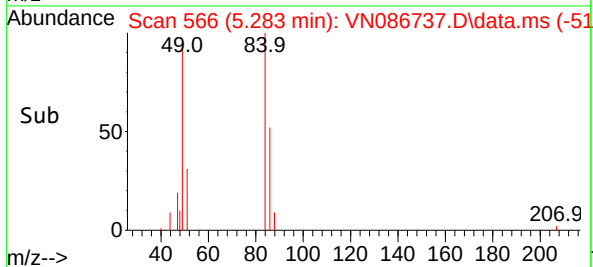
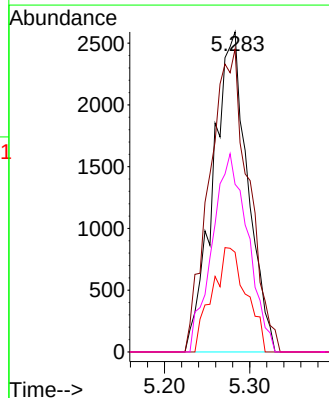
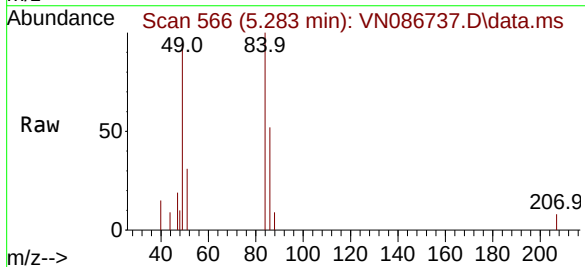
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-03-G

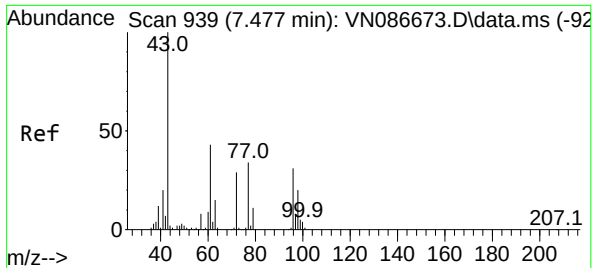
Tgt Ion: 76 Resp: 9787
Ion Ratio Lower Upper
76 100
78 6.8 7.3 10.9#



#20
Methylene Chloride
Concen: 2.073 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN086737.D
Acq: 21 May 2025 17:30

Tgt Ion: 84 Resp: 7307
Ion Ratio Lower Upper
84 100
49 94.7 88.8 133.2
51 31.1 27.8 41.6
86 52.4 49.8 74.6

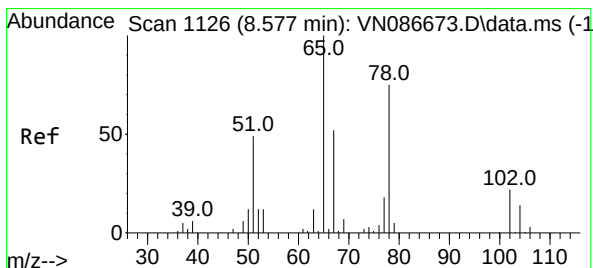
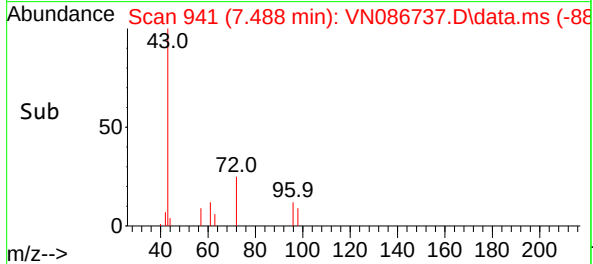
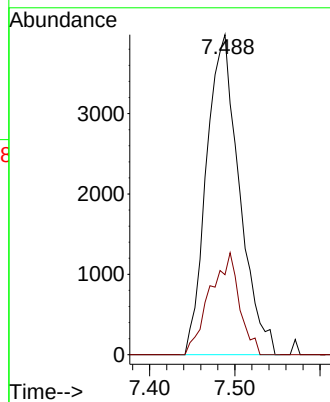
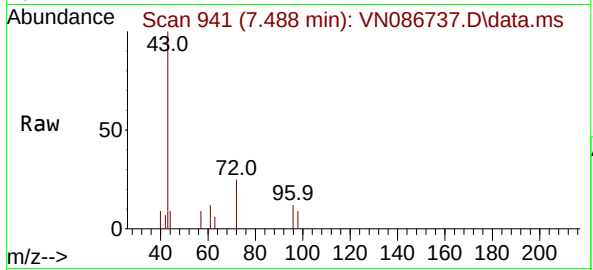




#25
2-Butanone
Concen: 5.168 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086737.D
Acq: 21 May 2025 17:30

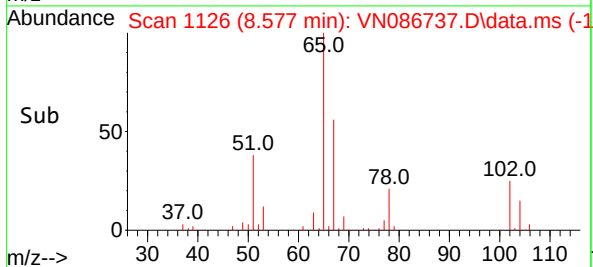
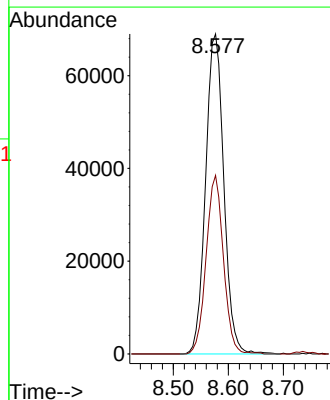
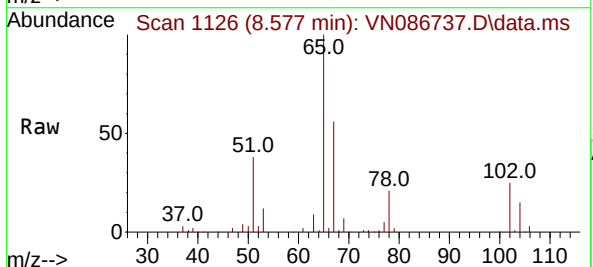
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-03-G

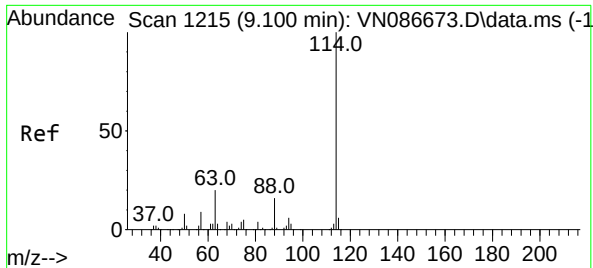
Tgt Ion: 43 Resp: 10664
Ion Ratio Lower Upper
43 100
72 25.0 23.1 34.7



#33
1,2-Dichloroethane-d4
Concen: 44.487 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086737.D
Acq: 21 May 2025 17:30

Tgt Ion: 65 Resp: 158821
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086737.D

Acq: 21 May 2025 17:30

Instrument :

MSVOA_N

ClientSampleId :

WC-A2-03-G

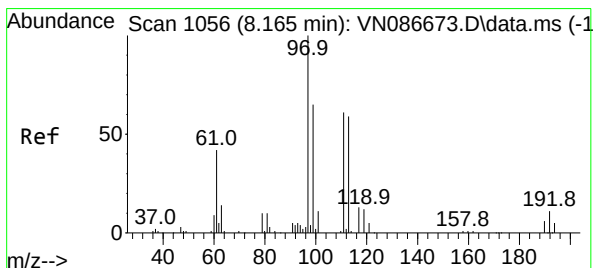
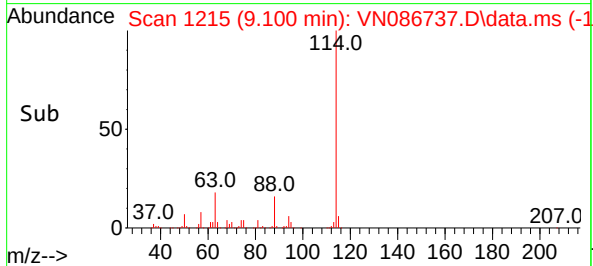
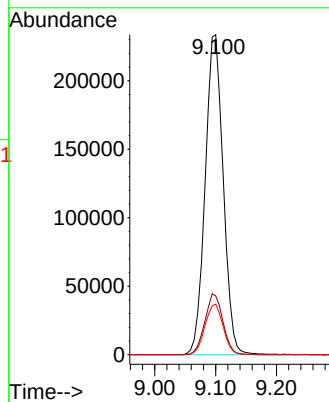
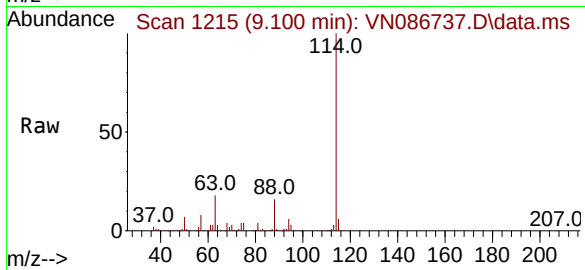
Tgt Ion:114 Resp: 480749

Ion Ratio Lower Upper

114 100

63 18.3 0.0 40.2

88 15.8 0.0 31.2



#35

Dibromofluoromethane

Concen: 39.075 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086737.D

Acq: 21 May 2025 17:30

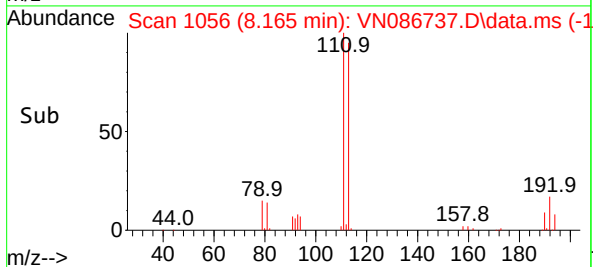
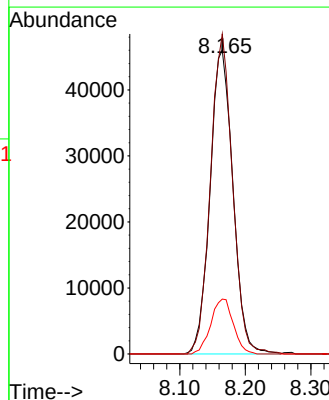
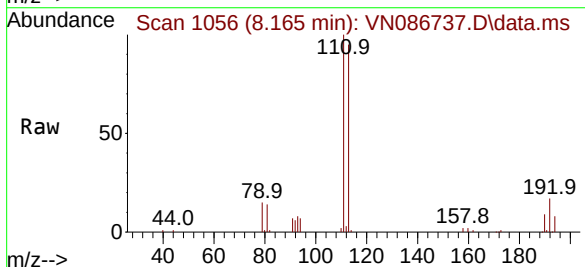
Tgt Ion:113 Resp: 111874

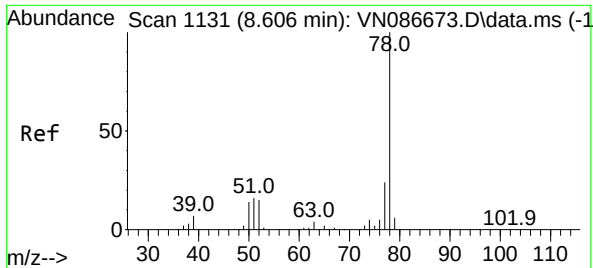
Ion Ratio Lower Upper

113 100

111 101.3 82.2 123.2

192 17.7 13.8 20.8

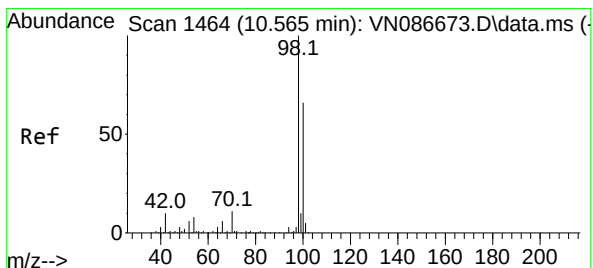
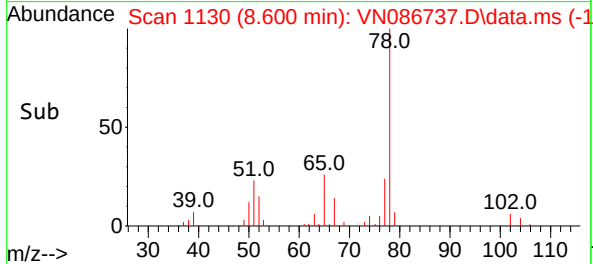
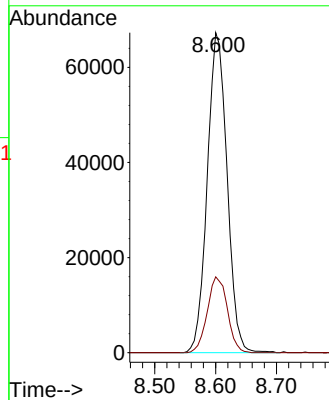
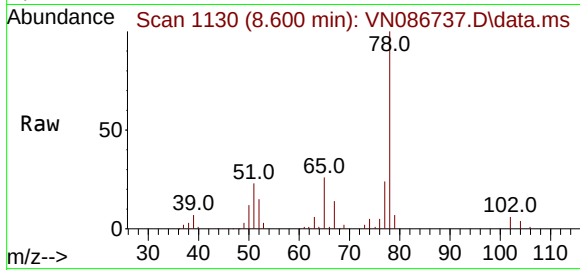




#40
Benzene
Concen: 11.043 ug/l
RT: 8.600 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VN086737.D
Acq: 21 May 2025 17:30

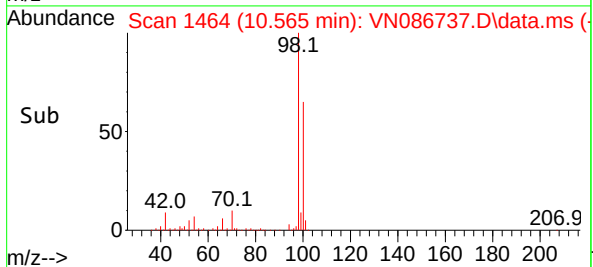
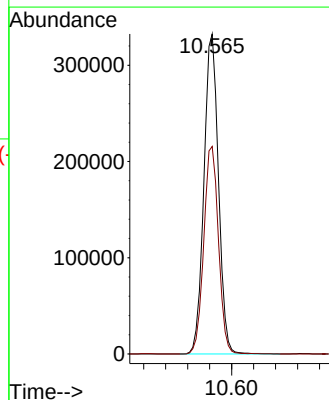
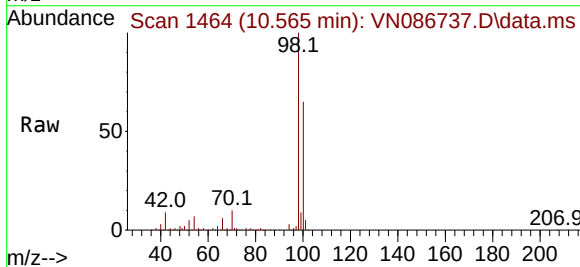
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-03-G

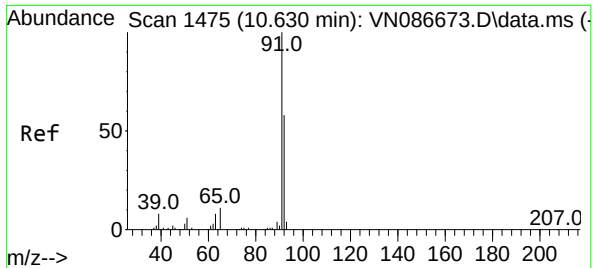
Tgt Ion: 78 Resp: 152133
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7



#50
Toluene-d8
Concen: 51.349 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086737.D
Acq: 21 May 2025 17:30

Tgt Ion: 98 Resp: 609237
Ion Ratio Lower Upper
98 100
100 65.7 52.9 79.3

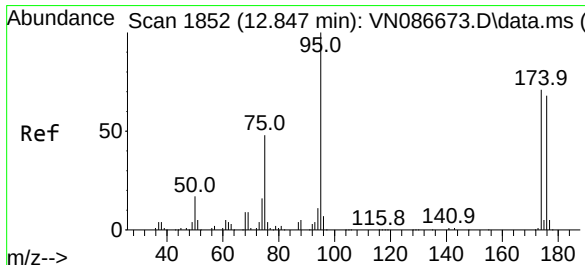
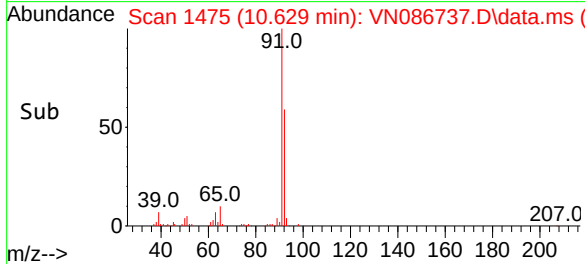
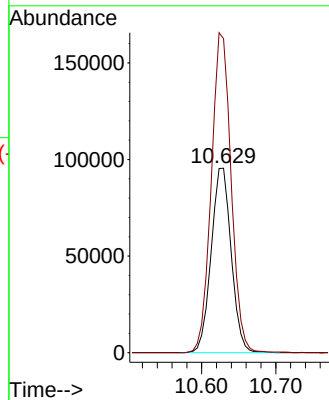
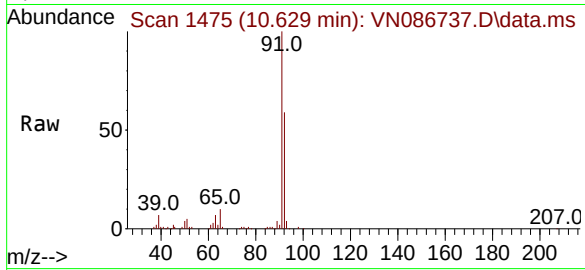




#52
Toluene
Concen: 20.936 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086737.D
Acq: 21 May 2025 17:30

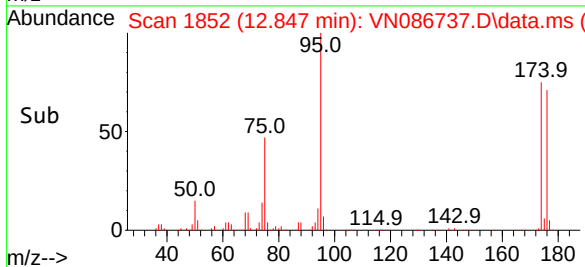
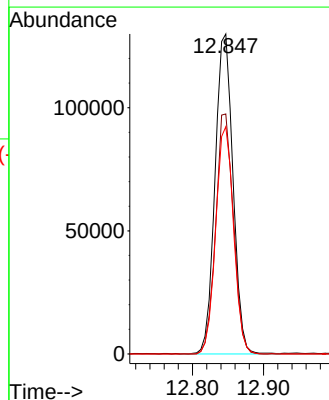
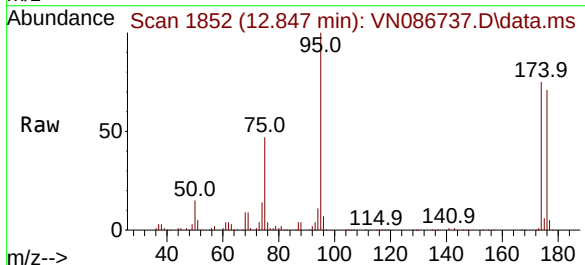
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-03-G

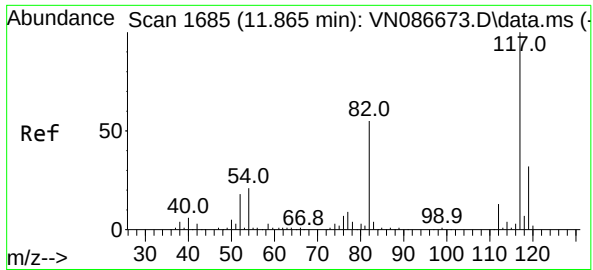
Tgt Ion: 92 Resp: 179264
Ion Ratio Lower Upper
92 100
91 171.6 137.8 206.8



#62
4-Bromofluorobenzene
Concen: 54.279 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086737.D
Acq: 21 May 2025 17:30

Tgt Ion: 95 Resp: 227394
Ion Ratio Lower Upper
95 100
174 74.2 0.0 145.4
176 70.6 0.0 137.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.859 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN086737.D

Acq: 21 May 2025 17:30

Instrument :

MSVOA_N

ClientSampleId :

WC-A2-03-G

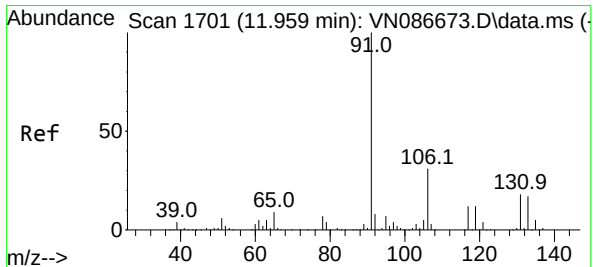
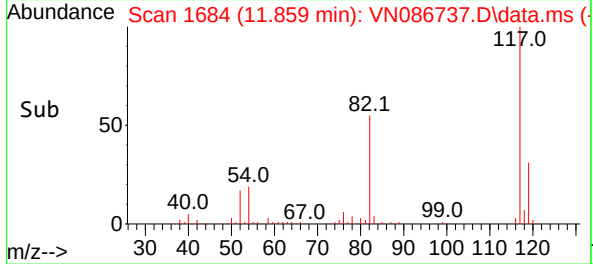
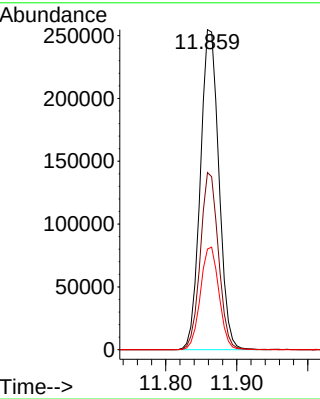
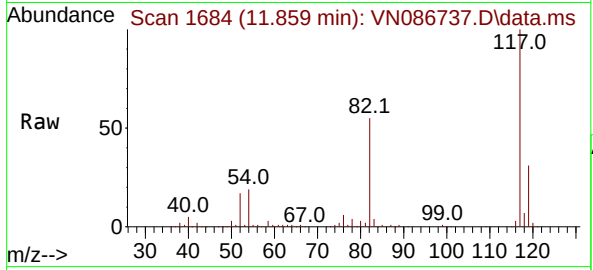
Tgt Ion:117 Resp: 461451

Ion Ratio Lower Upper

117 100

82 55.4 44.2 66.2

119 31.4 25.4 38.2



#67

Ethyl Benzene

Concen: 152.135 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN086737.D

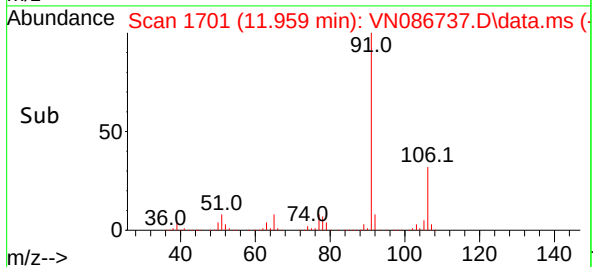
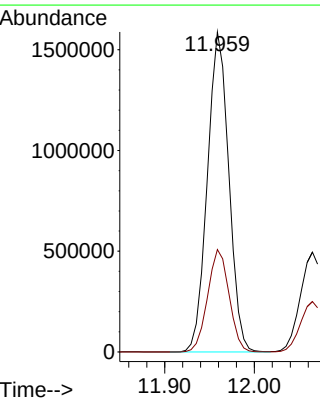
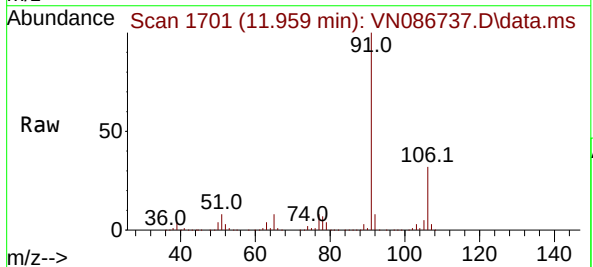
Acq: 21 May 2025 17:30

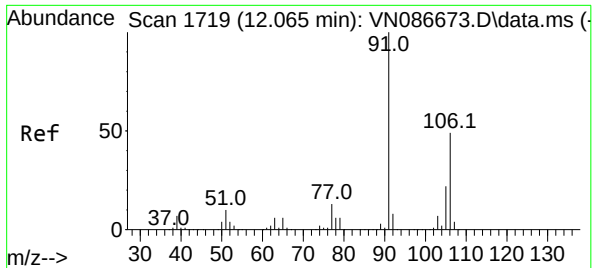
Tgt Ion: 91 Resp: 2636772

Ion Ratio Lower Upper

91 100

106 32.0 24.6 36.8

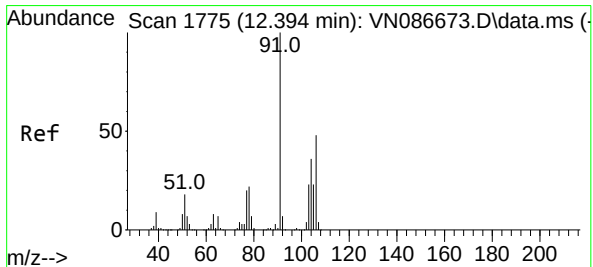
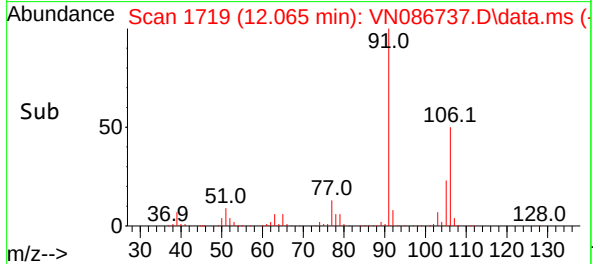
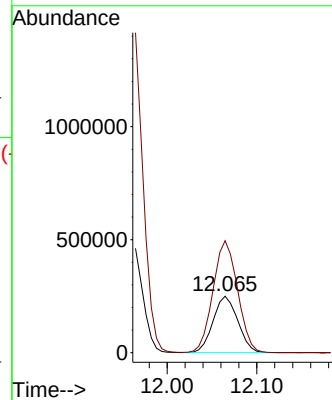
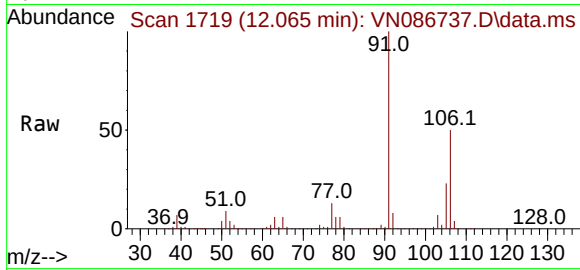




#68
m/p-Xylenes
Concen: 72.760 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086737.D
Acq: 21 May 2025 17:30

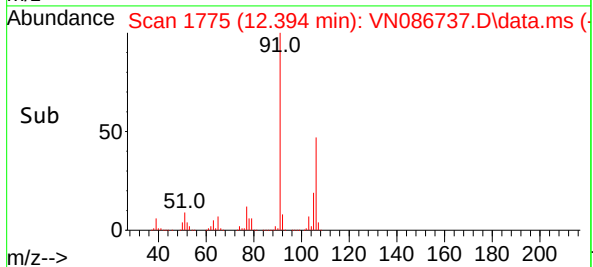
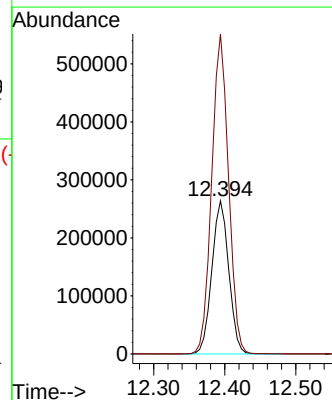
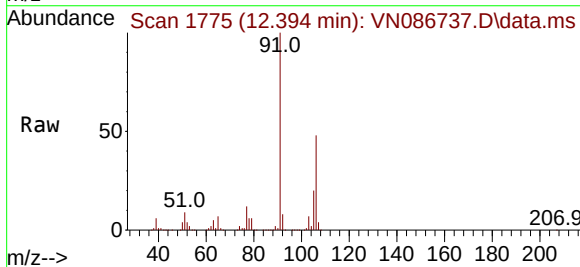
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-03-G

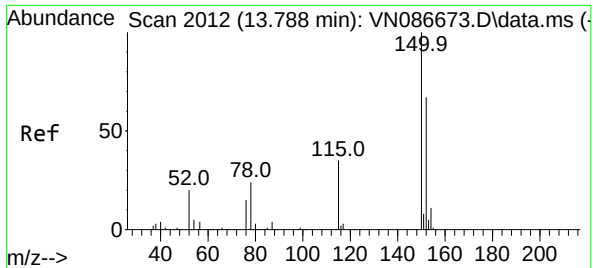
Tgt Ion:106 Resp: 477643
Ion Ratio Lower Upper
106 100
91 197.2 162.4 243.6



#69
o-Xylene
Concen: 66.873 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086737.D
Acq: 21 May 2025 17:30

Tgt Ion:106 Resp: 436441
Ion Ratio Lower Upper
106 100
91 208.1 105.1 315.1

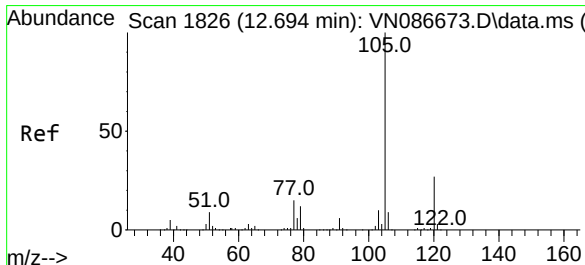
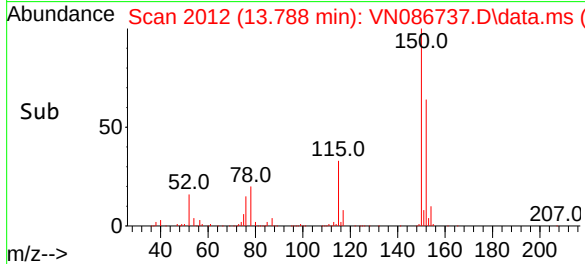
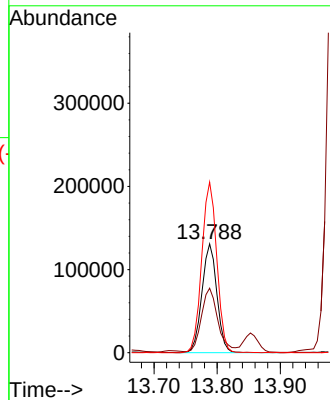
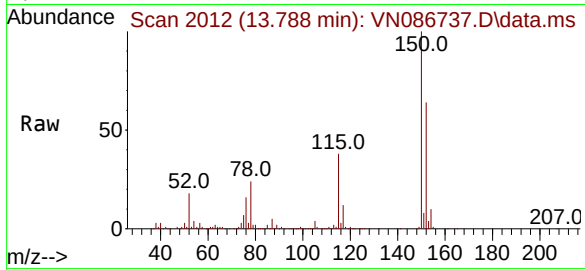




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086737.D
Acq: 21 May 2025 17:30

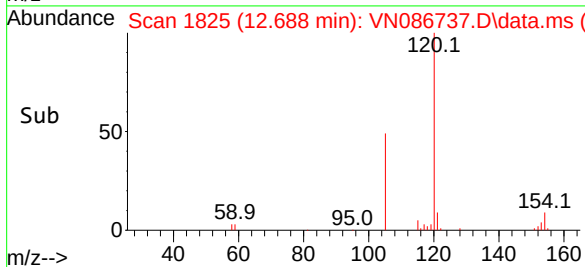
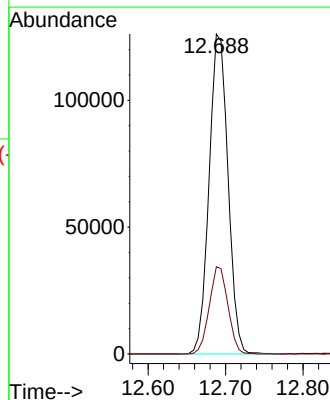
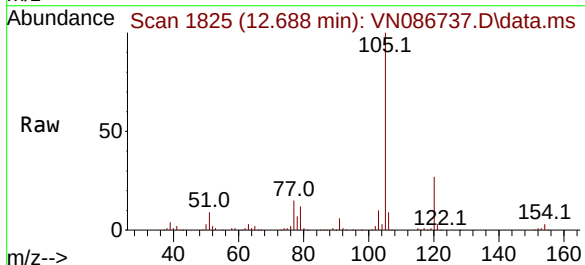
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-03-G

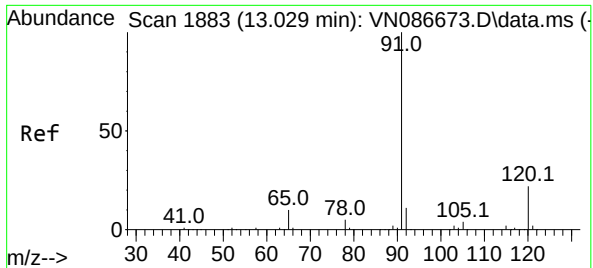
Tgt Ion:152 Resp: 215962
Ion Ratio Lower Upper
152 100
115 62.9 30.0 90.1
150 157.3 0.0 347.8



#73
Isopropylbenzene
Concen: 12.814 ug/l
RT: 12.688 min Scan# 1825
Delta R.T. -0.006 min
Lab File: VN086737.D
Acq: 21 May 2025 17:30

Tgt Ion:105 Resp: 213725
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.1





#78

n-propylbenzene

Concen: 3.744 ug/l

RT: 13.029 min Scan# 1883

Delta R.T. -0.000 min

Lab File: VN086737.D

Acq: 21 May 2025 17:30

Instrument :

MSVOA_N

ClientSampleId :

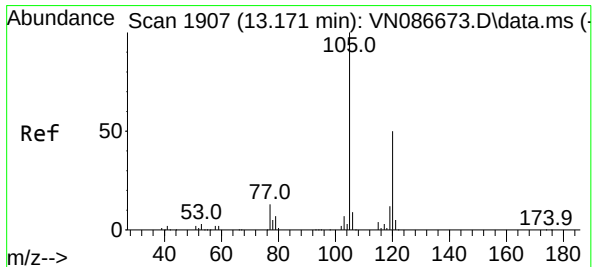
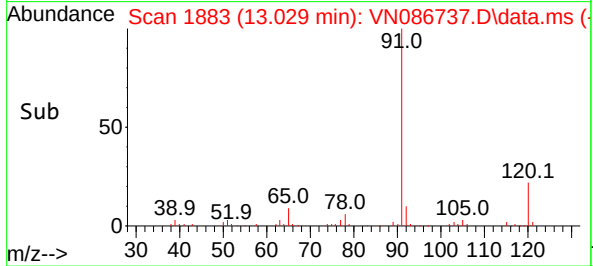
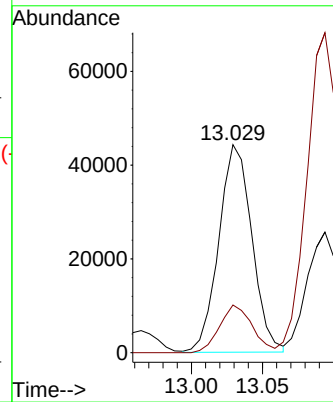
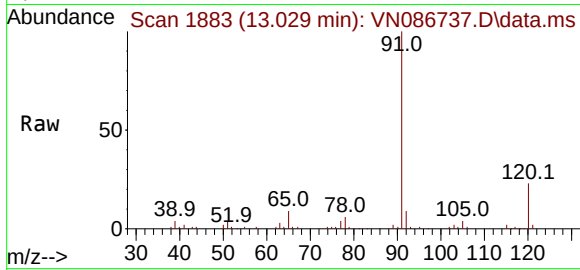
WC-A2-03-G

Tgt Ion: 91 Resp: 71665

Ion Ratio Lower Upper

91 100

120 22.8 11.4 34.1



#80

1,3,5-Trimethylbenzene

Concen: 12.480 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN086737.D

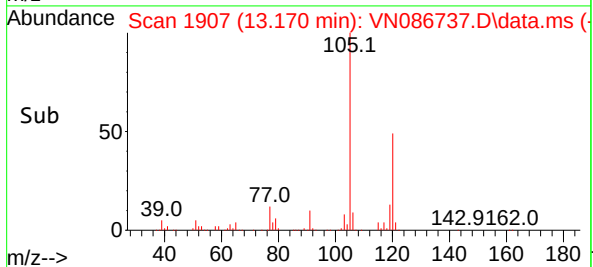
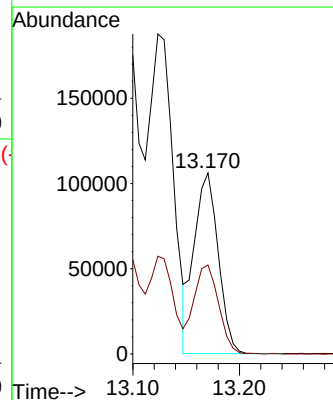
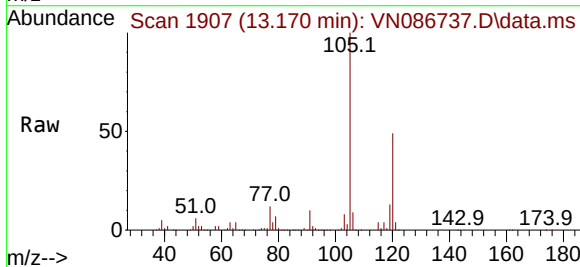
Acq: 21 May 2025 17:30

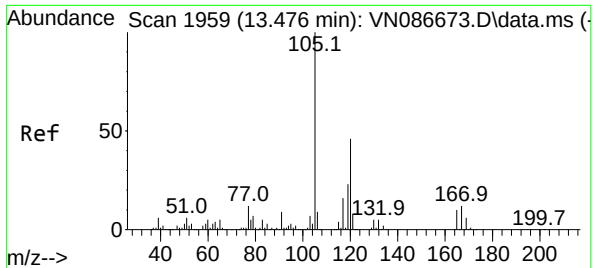
Tgt Ion: 105 Resp: 166779

Ion Ratio Lower Upper

105 100

120 50.8 24.9 74.6

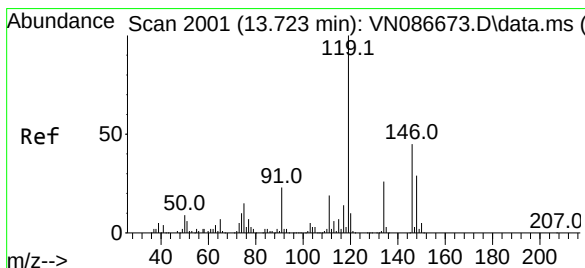
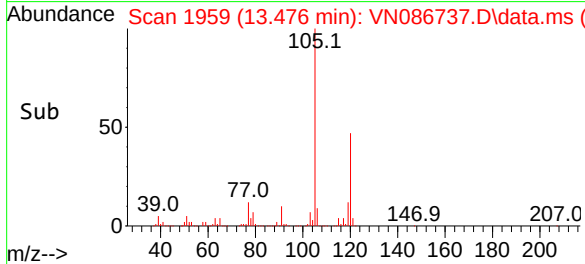
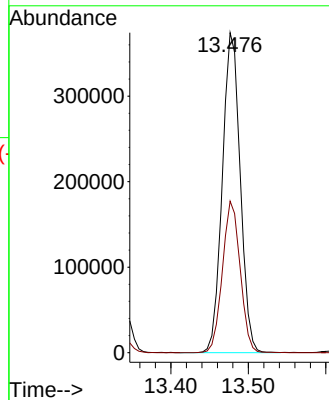
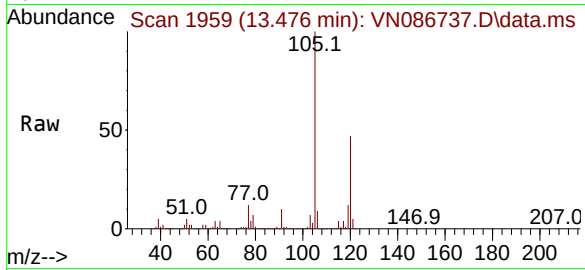




#84
1,2,4-Trimethylbenzene
Concen: 45.129 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086737.D
Acq: 21 May 2025 17:30

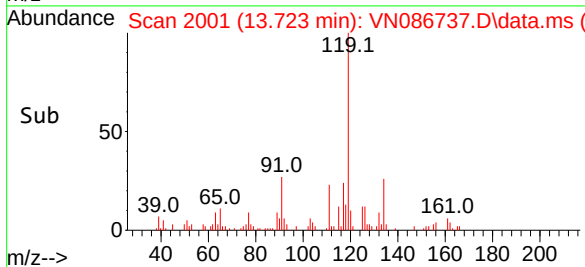
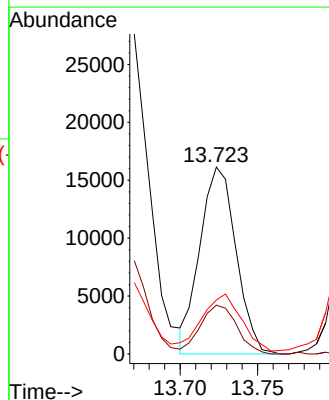
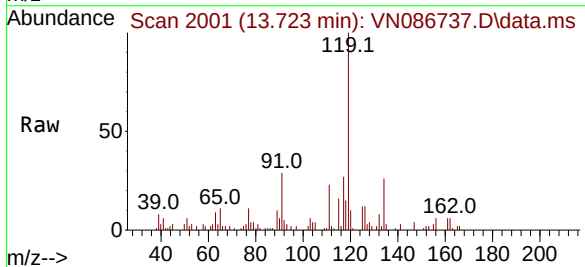
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-03-G

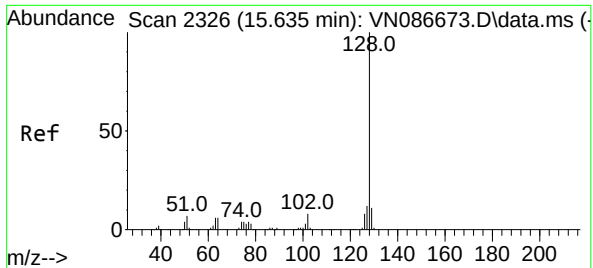
Tgt Ion:105 Resp: 600556
Ion Ratio Lower Upper
105 100
120 46.9 23.2 69.6



#86
p-Isopropyltoluene
Concen: 2.047 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VN086737.D
Acq: 21 May 2025 17:30

Tgt Ion:119 Resp: 26223
Ion Ratio Lower Upper
119 100
134 26.3 13.1 39.1
91 0.0 11.5 34.5#





#95

Naphthalene

Concen: 1997.037 ug/l

RT: 15.629 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN086737.D

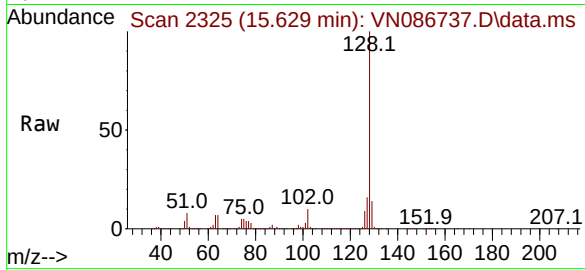
Acq: 21 May 2025 17:30

Instrument :

MSVOA_N

ClientSampleId :

WC-A2-03-G



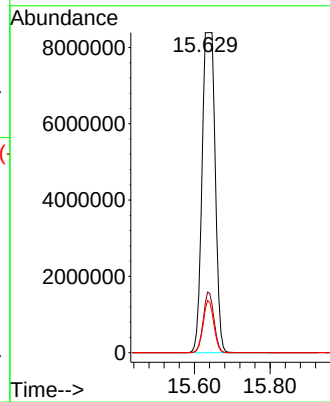
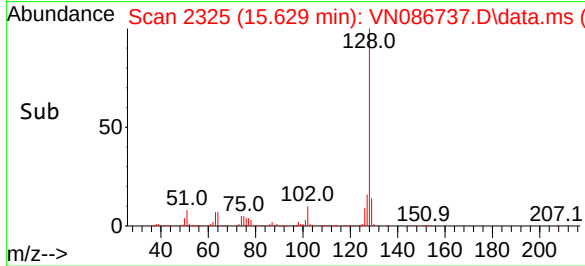
Tgt Ion:128 Resp:20226672

Ion	Ratio	Lower	Upper

128	100		

127	15.4	10.1	15.1#

129	13.2	8.6	13.0#





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: ENTA05
 Lab Code: CHEM Case No.: Q2079 SAS No.: Q2079 SDG No.: Q2079
 Instrument ID: MSVOA_N Calibration Date(s): 05/16/2025 05/16/2025
 Heated Purge: (Y/N) N Calibration Time(s): 16:31 18:32
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF001 = VN086669.D		RRF005 = VN086670.D		RRF010 = VN086671.D			
		RRF020 = VN086672.D		RRF050 = VN086673.D		RRF100 = VN086674.D			
COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	RRF	% RSD	
Vinyl Chloride	0.655	0.708	0.780	0.713	0.753	0.792	0.733	7	
1,1-Dichloroethene	0.531	0.563	0.563	0.557	0.548	0.583	0.558	3.1	
2-Butanone	0.361	0.404	0.398	0.414	0.402	0.418	0.399	5.1	
Carbon Tetrachloride	0.384	0.438	0.430	0.460	0.430	0.454	0.433	6.2	
Chloroform	1.061	1.146	1.109	1.173	1.093	1.133	1.119	3.5	
Benzene	1.348	1.429	1.447	1.484	1.402	1.487	1.433	3.7	
1,2-Dichloroethane	0.413	0.457	0.451	0.467	0.438	0.452	0.446	4.2	
Trichloroethene	0.306	0.341	0.358	0.361	0.343	0.365	0.346	6.3	
Tetrachloroethene	0.357	0.396	0.392	0.392	0.369	0.392	0.383	4.2	
Chlorobenzene	1.030	1.112	1.109	1.138	1.060	1.130	1.096	3.9	
1,2-Dichloroethane-d4		0.718	0.658	0.687	0.693	0.698	0.691	3.2	
Dibromofluoromethane		0.300	0.289	0.291	0.298	0.311	0.298	3	
Toluene-d8		1.203	1.159	1.233	1.250	1.325	1.234	5	
4-Bromofluorobenzene		0.412	0.403	0.433	0.450	0.481	0.436	7.2	

* 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 : 82N051625W.M
 Title : SW846 8260
 Last Update : Sat May 17 00:46:13 2025
 Response Via : Initial Calibration

Calibration Files

1 =VN086669.D 5 =VN086670.D 10 =VN086671.D 20 =VN086672.D 50 =VN086673.D 100 =VN086674.D

	Compound	1	5	10	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.408	0.476	0.639	0.477	0.599	0.641	0.540	18.37
3) P	Chloromethane	0.859	0.798	0.850	0.762	0.782	0.850	0.817	5.05
4) C	Vinyl Chloride	0.655	0.708	0.780	0.713	0.753	0.792	0.733	7.00#
5) T	Bromomethane		0.442	0.441	0.415	0.403	0.413	0.423	4.14
6) T	Chloroethane	0.445	0.489	0.509	0.483	0.466	0.491	0.480	4.64
7) T	Trichlorofluor...	0.777	0.887	0.892	0.899	0.880	0.925	0.877	5.85
8) T	Diethyl Ether	0.325	0.367	0.364	0.374	0.360	0.382	0.362	5.43
9) T	1,1,2-Trichlor...	0.449	0.535	0.544	0.544	0.528	0.549	0.525	7.25
10) T	Methyl Iodide		0.595	0.657	0.656	0.651	0.706	0.653	6.03
11) T	Tert butyl alc...		0.126	0.130	0.125	0.122	0.126	0.126	2.32
12) CM	1,1-Dichloroet...	0.531	0.563	0.563	0.557	0.548	0.583	0.558	3.11#
13) T	Acrolein		0.144	0.133	0.123	0.134	0.139	0.135	5.90
14) T	Allyl chloride	0.786	0.805	0.910	0.864	0.824	0.875	0.844	5.55
15) T	Acrylonitrile	0.265	0.310	0.319	0.334	0.311	0.330	0.312	8.00
16) T	Acetone	0.286	0.252	0.259	0.257	0.243	0.254	0.258	5.71
17) T	Carbon Disulfide	1.452	1.490	1.544	1.563	1.543	1.673	1.544	4.87
18) T	Methyl Acetate	0.925	0.709	0.682	0.677	0.663	0.685	0.723	13.78
19) T	Methyl tert-bu...	1.739	1.876	1.913	1.972	1.913	1.982	1.899	4.64
20) T	Methylene Chlo...	0.746	0.683	0.670	0.679	0.631	0.684	0.682	5.44
21) T	trans-1,2-Dich...	0.550	0.601	0.587	0.609	0.577	0.613	0.590	3.99
22) T	Diisopropyl ether	1.668	1.927	1.927	2.007	1.922	1.976	1.904	6.35
23) T	Vinyl Acetate	1.169	1.372	1.433	1.658	1.458	1.498	1.431	11.22
24) P	1,1-Dichloroet...	1.049	1.127	1.126	1.146	1.104	1.156	1.118	3.44
25) T	2-Butanone	0.361	0.404	0.398	0.414	0.402	0.418	0.399	5.07
26) T	2,2-Dichloropr...	0.917	0.926	0.931	0.949	0.891	0.922	0.923	2.07
27) T	cis-1,2-Dichlo...	0.681	0.721	0.721	0.754	0.712	0.754	0.724	3.80
28) T	Bromochloromet...	0.489	0.526	0.519	0.506	0.508	0.501	0.508	2.58
29) T	Tetrahydrofuran	0.226	0.257	0.262	0.280	0.265	0.274	0.261	7.16
30) C	Chloroform	1.061	1.146	1.109	1.173	1.093	1.133	1.119	3.54#
31) T	Cyclohexane		1.105	1.060	1.023	0.983	1.013	1.037	4.54
32) T	1,1,1-Trichlor...	0.874	0.936	0.949	0.986	0.945	0.971	0.944	4.09
33) S	1,2-Dichloroet...		0.718	0.658	0.687	0.693	0.698	0.691	3.16
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.300	0.289	0.291	0.298	0.311	0.298	2.97
36) T	1,1-Dichloropr...	0.405	0.437	0.442	0.450	0.435	0.465	0.439	4.50
37) T	Ethyl Acetate	0.425	0.456	0.441	0.456	0.436	0.448	0.444	2.77
38) T	Carbon Tetrach...	0.384	0.438	0.430	0.460	0.430	0.454	0.433	6.19
39) T	Methylcyclohexane	0.436	0.460	0.466	0.496	0.482	0.513	0.475	5.78
40) TM	Benzene	1.348	1.429	1.447	1.484	1.402	1.487	1.433	3.68
41) T	Methacrylonitrile	0.216	0.242	0.246	0.248	0.240	0.246	0.240	4.96
42) TM	1,2-Dichloroet...	0.413	0.457	0.451	0.467	0.438	0.452	0.446	4.22
43) T	Isopropyl Acetate	1.138	0.956	0.840	0.852	0.771	0.780	0.889	15.59
44) TM	Trichloroethene	0.306	0.341	0.358	0.361	0.343	0.365	0.346	6.33
45) C	1,2-Dichloropr...	0.311	0.337	0.343	0.363	0.336	0.352	0.340	5.19#
46) T	Dibromomethane	0.204	0.226	0.238	0.245	0.228	0.238	0.230	6.38
47) T	Bromodichlorom...	0.437	0.468	0.469	0.496	0.471	0.497	0.473	4.65
48) T	Methyl methacr...	0.305	0.338	0.338	0.369	0.351	0.366	0.345	6.74
49) T	1,4-Dioxane	0.007	0.007	0.008	0.007	0.007	0.007	0.007	5.24
50) S	Toluene-d8		1.203	1.159	1.233	1.250	1.325	1.234	4.98
51) T	4-Methyl-2-Pen...	0.396	0.448	0.452	0.478	0.451	0.467	0.449	6.25
52) CM	Toluene	0.765	0.898	0.891	0.956	0.887	0.947	0.891	7.68#
53) T	t-1,3-Dichloro...	0.433	0.483	0.489	0.533	0.514	0.554	0.501	8.54
54) T	cis-1,3-Dichlo...	0.485	0.537	0.552	0.576	0.546	0.586	0.547	6.48
55) T	1,1,2-Trichlor...	0.324	0.338	0.327	0.346	0.321	0.338	0.332	2.90
56) T	Ethyl methacry...	0.440	0.505	0.526	0.575	0.557	0.597	0.533	10.57

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N051625W.M

57)	T	1,3-Dichloropr...	0.512	0.587	0.571	0.608	0.562	0.594	0.572	5.91
58)	T	2-Chloroethyl ...	0.177	0.229	0.241	0.250	0.259	0.275	0.238	14.17
59)	T	2-Hexanone	0.282	0.317	0.331	0.357	0.333	0.346	0.328	8.06
60)	T	Dibromochlorom...	0.301	0.334	0.347	0.374	0.349	0.384	0.348	8.44
61)	T	1,2-Dibromoethane	0.289	0.332	0.340	0.353	0.334	0.354	0.334	7.15
62)	S	4-Bromofluorob...	0.412	0.403	0.433	0.450	0.481	0.436		7.16
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.357	0.396	0.392	0.392	0.369	0.392	0.383	4.19
65)	PM	Chlorobenzene	1.030	1.112	1.109	1.138	1.060	1.130	1.096	3.86
66)	T	1,1,1,2-Tetrac...	0.338	0.346	0.358	0.366	0.349	0.367	0.354	3.26
67)	C	Ethyl Benzene	1.715	1.837	1.869	1.972	1.865	2.009	1.878	5.56#
68)	T	m/p-Xylenes	0.592	0.704	0.718	0.762	0.717	0.774	0.711	9.12
69)	T	o-Xylene	0.604	0.697	0.703	0.759	0.721	0.759	0.707	8.06
70)	T	Styrene	0.951	1.119	1.128	1.259	1.200	1.288	1.158	10.50
71)	P	Bromoform	0.214	0.243	0.247	0.265	0.261	0.281	0.252	9.18
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.739	3.814	3.903	4.151	3.541	4.022	3.862	5.58
74)	T	N-amyl acetate	1.517	1.613	1.653	1.739	1.510	1.649	1.613	5.44
75)	P	1,1,2,2-Tetrac...	1.142	1.252	1.255	1.260	1.054	1.156	1.186	7.03
76)	T	1,2,3-Trichlor...	1.144	1.045	1.202	1.225	1.037	1.131	1.131	6.88
77)	T	Bromobenzene	1.039	0.954	0.981	1.002	0.872	0.981	0.971	5.81
78)	T	n-propylbenzene	4.177	4.301	4.383	4.780	4.195	4.754	4.432	6.10
79)	T	2-Chlorotoluene	2.764	2.914	2.943	3.056	2.667	2.946	2.882	4.89
80)	T	1,3,5-Trimethy...	2.827	3.050	3.168	3.330	2.932	3.256	3.094	6.25
81)	T	trans-1,4-Dich...	0.390	0.422	0.505	0.449	0.474	0.448		10.01
82)	T	4-Chlorotoluene	2.734	2.787	2.922	3.069	2.656	2.960	2.855	5.43
83)	T	tert-Butylbenzene	2.564	2.639	2.781	2.929	2.499	2.778	2.698	5.93
84)	T	1,2,4-Trimethy...	2.725	3.002	3.143	3.339	2.983	3.295	3.081	7.39
85)	T	sec-Butylbenzene	3.223	3.516	3.750	3.887	3.455	3.876	3.618	7.31
86)	T	p-Isopropyltol...	2.643	2.835	2.954	3.198	2.901	3.262	2.965	7.80
87)	T	1,3-Dichlorobe...	1.619	1.715	1.707	1.734	1.602	1.715	1.682	3.35
88)	T	1,4-Dichlorobe...	1.587	1.673	1.695	1.751	1.583	1.711	1.667	4.10
89)	T	n-Butylbenzene	2.234	2.274	2.398	2.630	2.443	2.771	2.458	8.45
90)	T	Hexachloroethane	0.431	0.473	0.492	0.526	0.475	0.556	0.492	8.92
91)	T	1,2-Dichlorobe...	1.574	1.585	1.636	1.655	1.550	1.600	1.600	2.45
92)	T	1,2-Dibromo-3-...	0.164	0.205	0.194	0.200	0.201	0.215	0.197	8.86
93)	T	1,2,4-Trichlor...	0.577	0.629	0.658	0.720	0.686	0.782	0.675	10.59
94)	T	Hexachlorobuta...	0.312	0.280	0.262	0.282	0.263	0.283	0.280	6.54
95)	T	Naphthalene	2.146	2.123	2.231	2.425	2.418	2.727	2.345	9.71
96)	T	1,2,3-Trichlor...	0.626	0.612	0.664	0.674	0.653	0.739	0.661	6.77

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
 Data File : VN086669.D
 Acq On : 16 May 2025 16:31
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2025
 Supervised By : Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:11:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:09:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	204431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	373632	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	326222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	120460	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	1668	0.687	ug/l	92
3) Chloromethane	2.359	50	3511	0.992	ug/l	91
4) Vinyl Chloride	2.518	62	2679	0.803	ug/l	92
6) Chloroethane	3.118	64	1819	0.817	ug/l #	82
7) Trichlorofluoromethane	3.494	101	3176	0.851	ug/l #	82
8) Diethyl Ether	3.959	74	1329	0.823	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	1834	0.814	ug/l	96
12) 1,1-Dichloroethene	4.336	96	2173	0.904	ug/l #	83
14) Allyl chloride	5.024	41	3215	0.764	ug/l	94
15) Acrylonitrile	5.718	53	5412	4.060	ug/l	99
16) Acetone	4.436	43	5855	4.962	ug/l	93
17) Carbon Disulfide	4.724	76	5935	0.825	ug/l #	92
18) Methyl Acetate	5.024	43	3780	1.087	ug/l #	81
19) Methyl tert-butyl Ether	5.800	73	7109	0.810	ug/l	99
20) Methylene Chloride	5.271	84	3050	1.110	ug/l #	96
21) trans-1,2-Dichloroethene	5.794	96	2250	0.894	ug/l #	73
22) Diisopropyl ether	6.671	45	6818	0.743	ug/l #	96
23) Vinyl Acetate	6.600	43	23893	3.683	ug/l	99
24) 1,1-Dichloroethane	6.571	63	4288	0.877	ug/l #	82
25) 2-Butanone	7.482	43	7380	4.035	ug/l	96
26) 2,2-Dichloropropane	7.488	77	3751	0.866	ug/l	91
27) cis-1,2-Dichloroethene	7.488	96	2786	0.893	ug/l	94
28) Bromochloromethane	7.818	49	1999	0.957	ug/l #	86
29) Tetrahydrofuran	7.847	42	4627	3.784	ug/l	99
30) Chloroform	7.965	83	4340	0.901	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	3575	0.867	ug/l #	51
36) 1,1-Dichloropropene	8.371	75	3030	0.877	ug/l	93
37) Ethyl Acetate	7.559	43	3175	0.874	ug/l #	69
38) Carbon Tetrachloride	8.359	117	2873	0.869	ug/l #	85
39) Methylcyclohexane	9.600	83	3255	0.801	ug/l	92
40) Benzene	8.606	78	10071	0.908	ug/l	96
41) Methacrylonitrile	7.782	41	1615	0.775	ug/l #	57
42) 1,2-Dichloroethane	8.665	62	3087	0.874	ug/l	80
43) Isopropyl Acetate	8.682	43	8505m	0.980	ug/l	
44) Trichloroethene	9.353	130	2284	0.866	ug/l	93
45) 1,2-Dichloropropane	9.618	63	2325	0.861	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
 Data File : VN086669.D
 Acq On : 16 May 2025 16:31
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2025
 Supervised By : Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:11:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:09:38 2025
 Response via : Initial Calibration

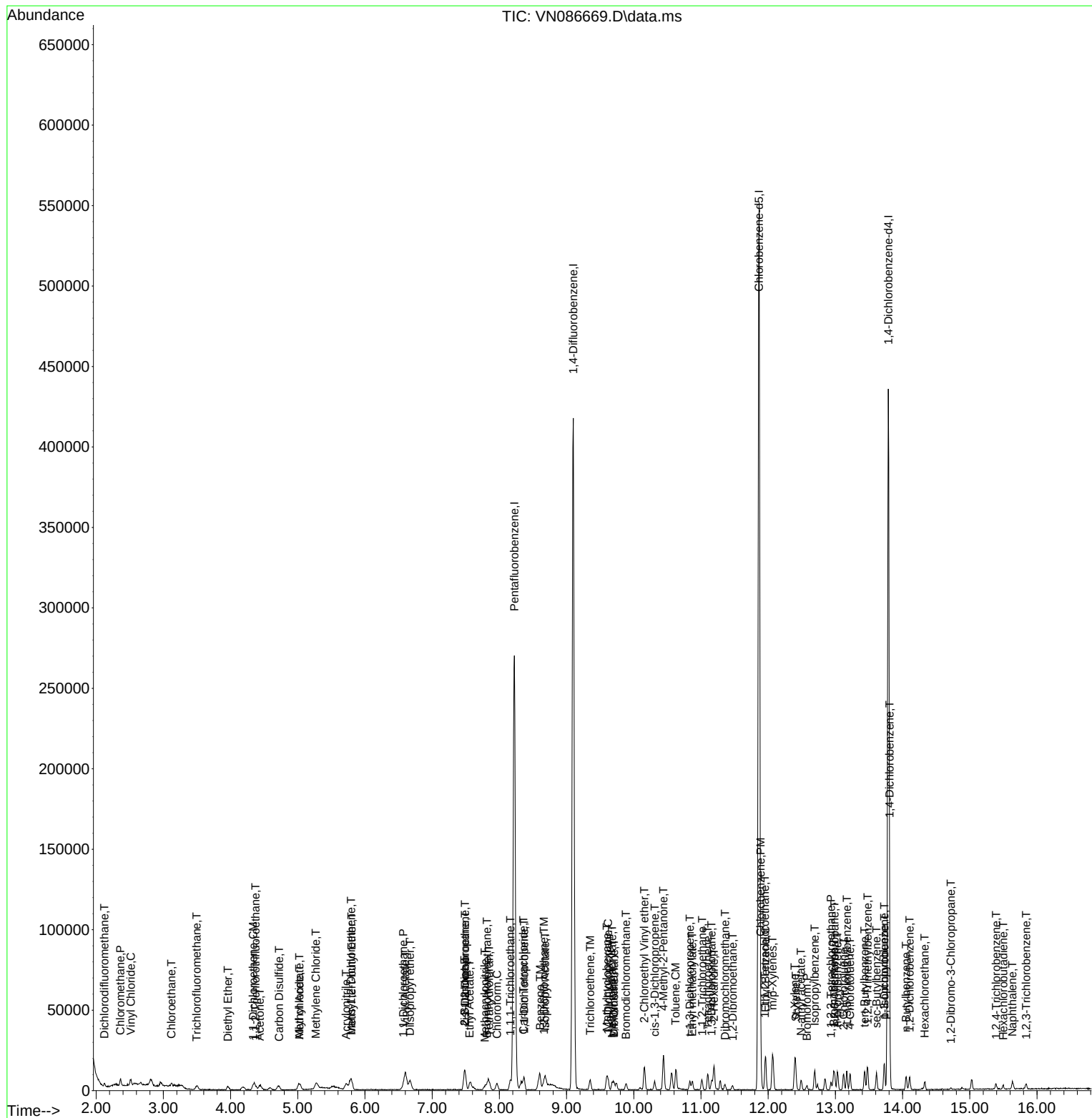
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.706	93	1521	0.878	ug/l	95
47) Bromodichloromethane	9.882	83	3268	0.875	ug/l #	87
48) Methyl methacrylate	9.676	41	2282	0.725	ug/l	97
49) 1,4-Dioxane	9.700	88	978	17.569	ug/l #	73
51) 4-Methyl-2-Pentanone	10.441	43	14811	4.011	ug/l	97
52) Toluene	10.623	92	5713	0.826	ug/l	91
53) t-1,3-Dichloropropene	10.835	75	3234	0.783	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	3626	0.798	ug/l #	86
55) 1,1,2-Trichloroethane	11.018	97	2419	0.970	ug/l #	79
56) Ethyl methacrylate	10.870	69	3289	0.722	ug/l	96
57) 1,3-Dichloropropane	11.159	76	3826	0.866	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	6624	3.099	ug/l	99
59) 2-Hexanone	11.194	43	10521	3.837	ug/l	91
60) Dibromochloromethane	11.359	129	2253	0.825	ug/l	98
61) 1,2-Dibromoethane	11.470	107	2160	0.855	ug/l	99
64) Tetrachloroethene	11.100	164	2329	0.929	ug/l	88
65) Chlorobenzene	11.888	112	6720	0.922	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.953	131	2204	0.917	ug/l #	60
67) Ethyl Benzene	11.959	91	11189	0.855	ug/l	95
68) m/p-Xylenes	12.065	106	7721	1.572	ug/l	97
69) o-Xylene	12.394	106	3944	0.809	ug/l	95
70) Styrene	12.412	104	6208	0.767	ug/l	99
71) Bromoform	12.576	173	1394	0.771	ug/l #	99
73) Isopropylbenzene	12.694	105	9008	0.921	ug/l	96
74) N-amyl acetate	12.488	43	3655	0.762	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.935	83	2752	0.969	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	2756m	0.972	ug/l	
77) Bromobenzene	12.976	156	2503	1.142	ug/l	93
78) n-propylbenzene	13.029	91	10063	0.875	ug/l	95
79) 2-Chlorotoluene	13.123	91	6658	0.921	ug/l	95
80) 1,3,5-Trimethylbenzene	13.170	105	6811	0.851	ug/l	100
82) 4-Chlorotoluene	13.217	91	6587	0.920	ug/l	94
83) tert-Butylbenzene	13.435	119	6176	0.889	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	6564	0.807	ug/l	99
85) sec-Butylbenzene	13.611	105	7764	0.811	ug/l	100
86) p-Isopropyltoluene	13.729	119	6368	0.807	ug/l	94
87) 1,3-Dichlorobenzene	13.729	146	3900	0.951	ug/l	94
88) 1,4-Dichlorobenzene	13.806	146	3823m	0.928	ug/l	
89) n-Butylbenzene	14.053	91	5382	0.777	ug/l	97
90) Hexachloroethane	14.329	117	1038	0.782	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	3792	0.954	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	395	0.702	ug/l #	65
93) 1,2,4-Trichlorobenzene	15.394	180	1389	0.741	ug/l	88
94) Hexachlorobutadiene	15.500	225	752	1.056	ug/l	82
95) Naphthalene	15.635	128	5170	0.777	ug/l	96
96) 1,2,3-Trichlorobenzene	15.841	180	1509	0.847	ug/l	91

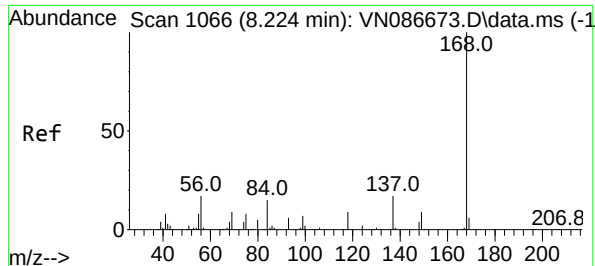
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Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

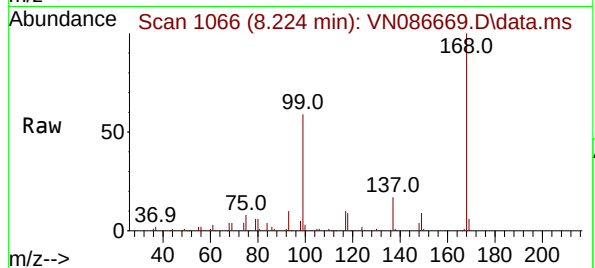
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

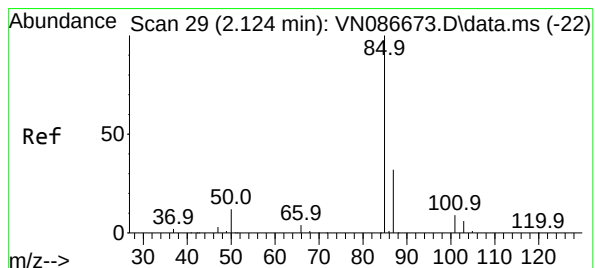
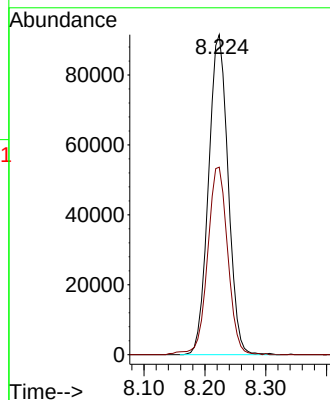
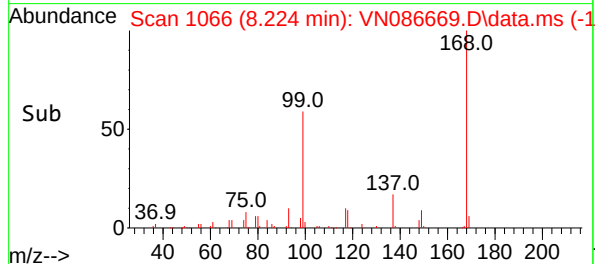
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion:168 Resp: 20443
Ion Ratio Lower Upper
168 100
99 58.6 47.0 70.4

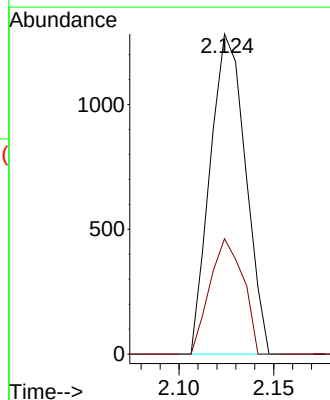
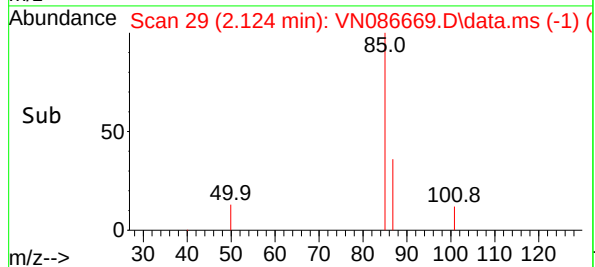
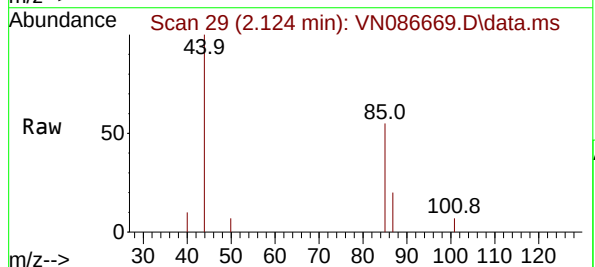
Manual Integrations
APPROVED

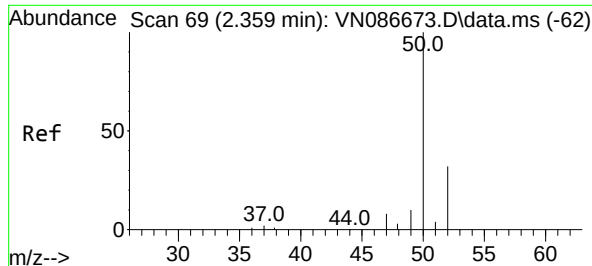
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#2
Dichlorodifluoromethane
Concen: 0.687 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

Tgt Ion: 85 Resp: 1668
Ion Ratio Lower Upper
85 100
87 36.0 15.9 47.6





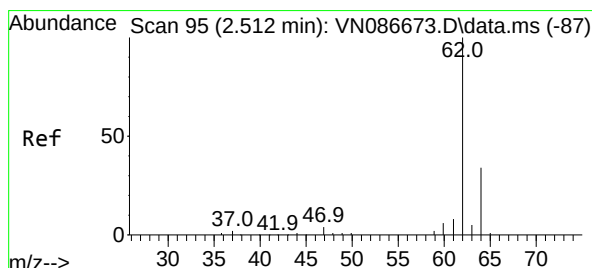
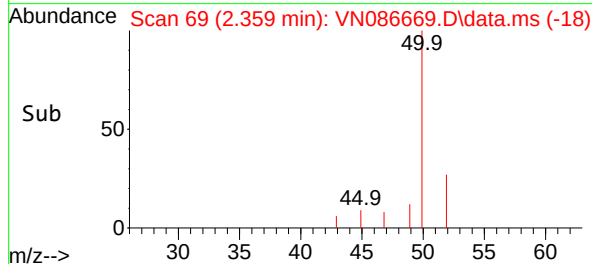
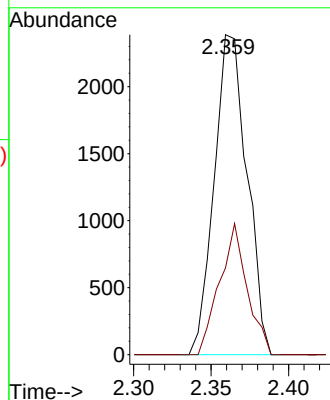
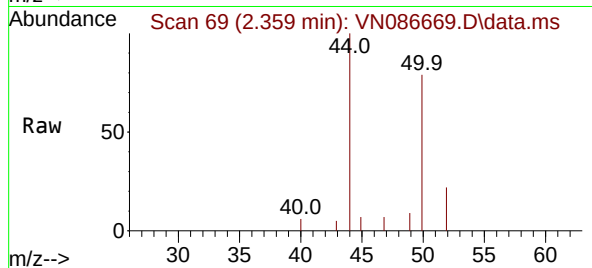
#3
Chloromethane
Concen: 0.992 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 351
Ion Ratio Lower Upper
50 100
52 27.1 25.9 38.9

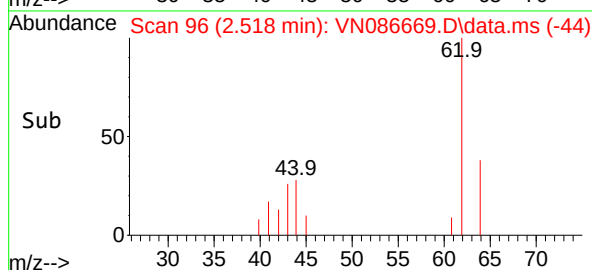
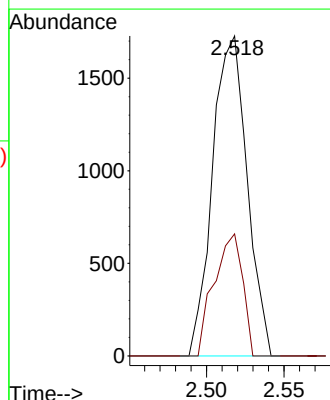
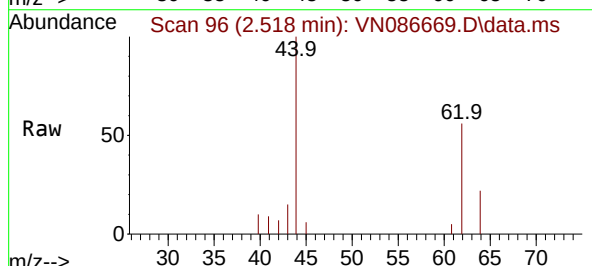
Manual Integrations
APPROVED

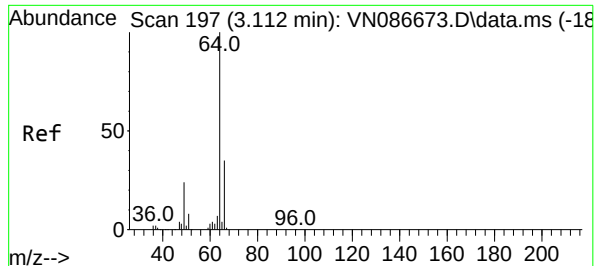
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#4
Vinyl Chloride
Concen: 0.803 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

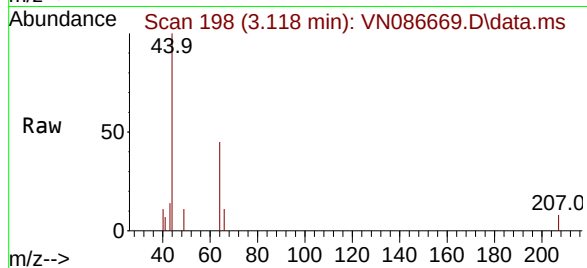
Tgt Ion: 62 Resp: 2679
Ion Ratio Lower Upper
62 100
64 38.1 26.9 40.3





#6
Chloroethane
Concen: 0.817 ug/l
RT: 3.118 min Scan# 197
Delta R.T. 0.006 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

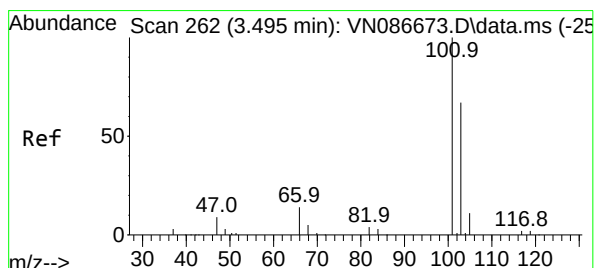
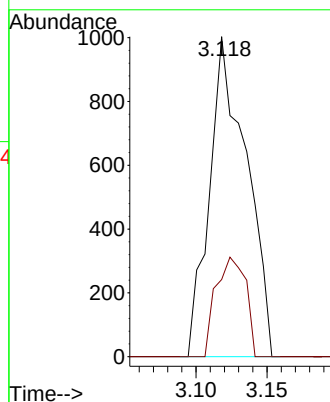
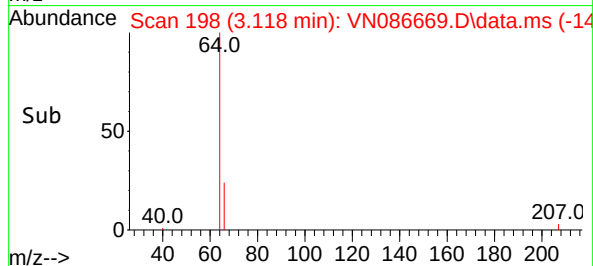
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion: 64 Resp: 1819
Ion Ratio Lower Upper
64 100
66 24.1 27.7 41.5

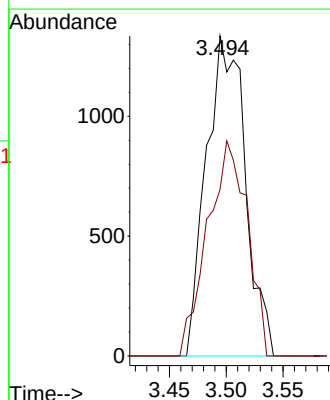
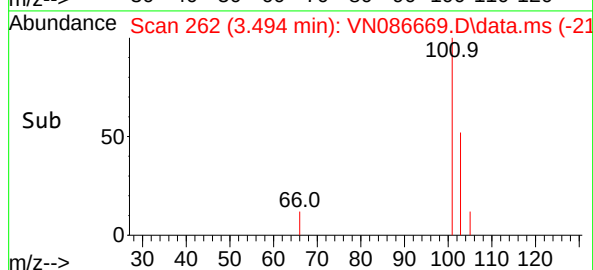
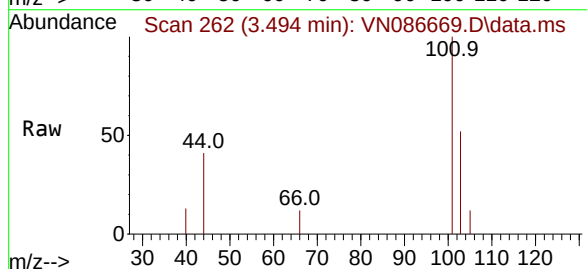
Manual Integrations
APPROVED

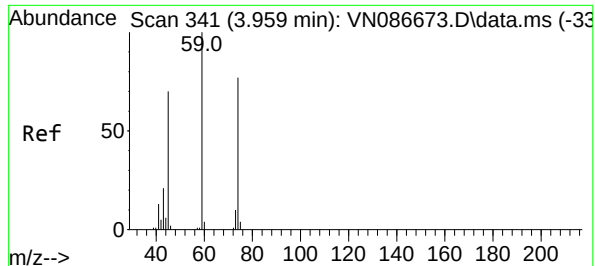
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#7
Trichlorofluoromethane
Concen: 0.851 ug/l
RT: 3.494 min Scan# 262
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

Tgt Ion:101 Resp: 3176
Ion Ratio Lower Upper
101 100
103 52.1 53.4 80.0#



#8
Diethyl Ether

Concen: 0.823 ug/l

RT: 3.959 min Scan# 341

Delta R.T. -0.000 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 74 Resp: 1329

Ion Ratio Lower Upper

74 100

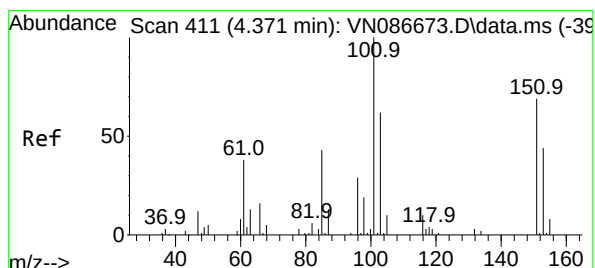
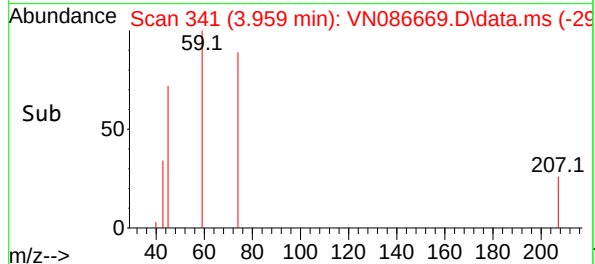
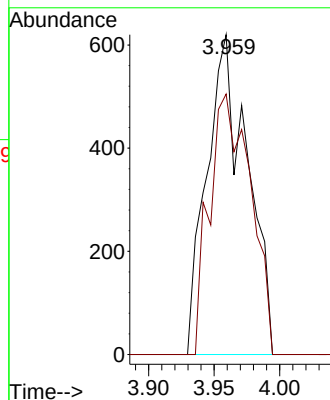
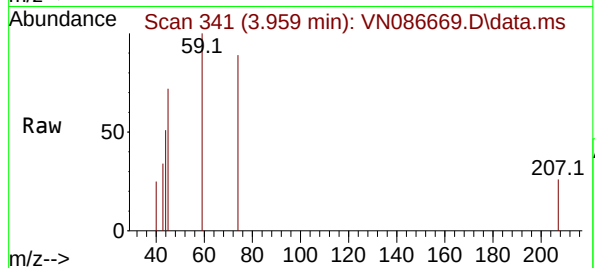
45 83.2 45.0 135.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.814 ug/l

RT: 4.371 min Scan# 411

Delta R.T. -0.000 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

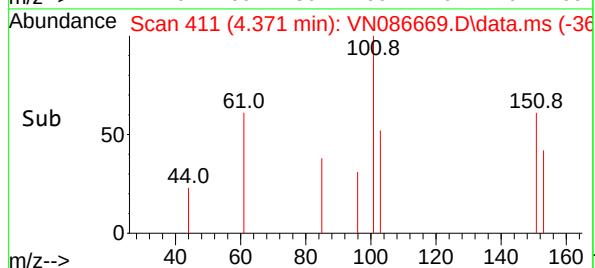
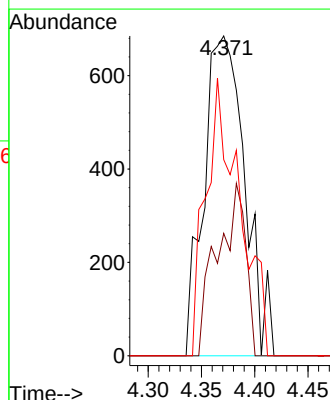
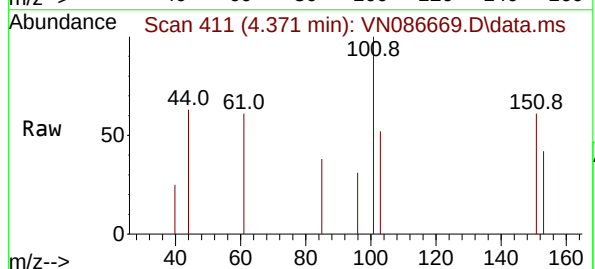
Tgt Ion:101 Resp: 1834

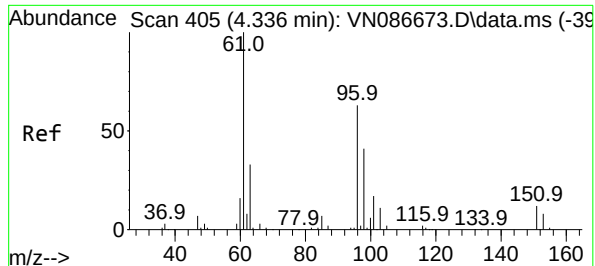
Ion Ratio Lower Upper

101 100

85 37.3 35.0 52.6

151 71.8 58.1 87.1





#12

1,1-Dichloroethene

Concen: 0.904 ug/l

RT: 4.336 min Scan# 405

Delta R.T. -0.000 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

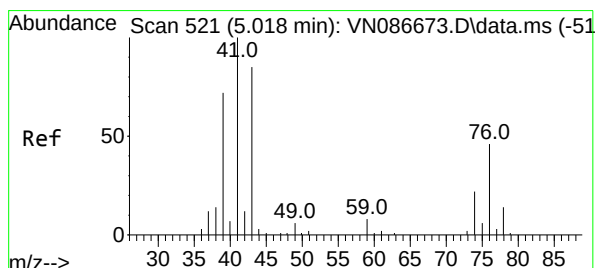
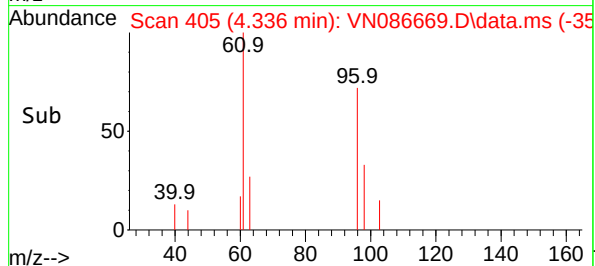
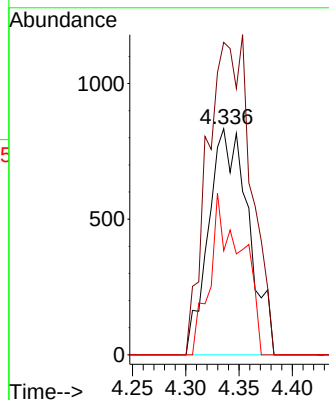
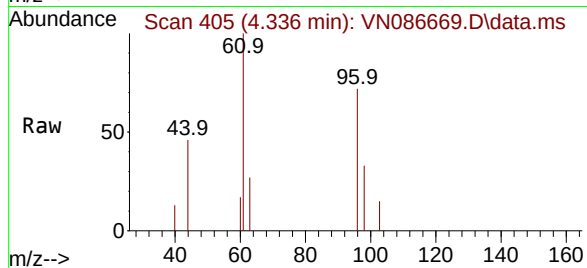
Tgt Ion:	96	Resp:	217
Ion	Ratio	Lower	Upper
96	100		
61	138.3	126.2	189.2
98	46.1	51.5	77.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#14

Allyl chloride

Concen: 0.764 ug/l

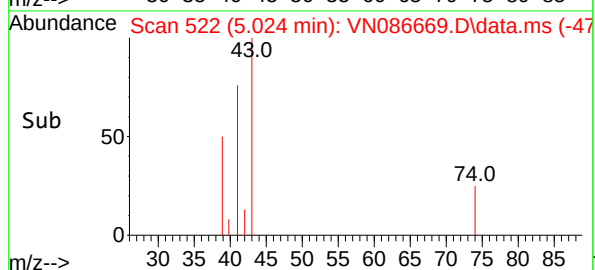
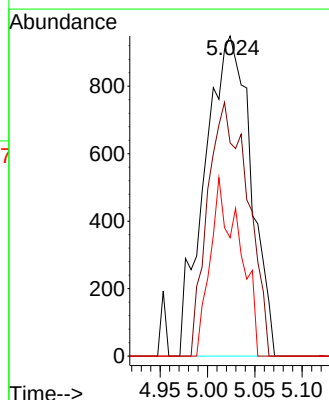
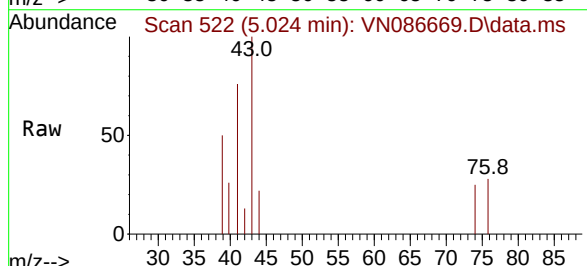
RT: 5.024 min Scan# 522

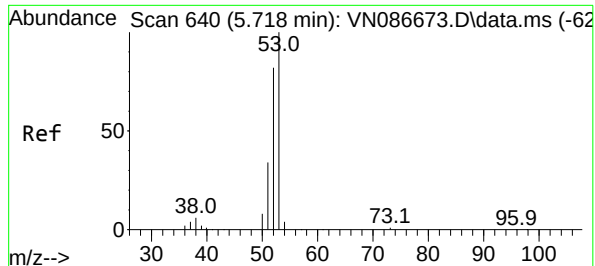
Delta R.T. 0.006 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Tgt Ion:	41	Resp:	3215
Ion	Ratio	Lower	Upper
41	100		
39	68.8	57.4	86.0
76	35.3	33.2	49.8





#15

Acrylonitrile

Concen: 4.060 ug/l

RT: 5.718 min Scan# 640

Delta R.T. -0.000 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

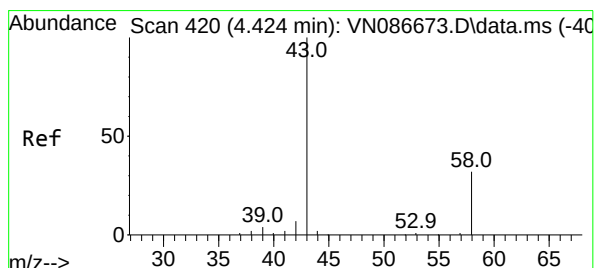
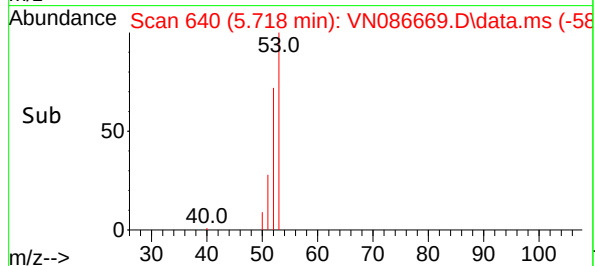
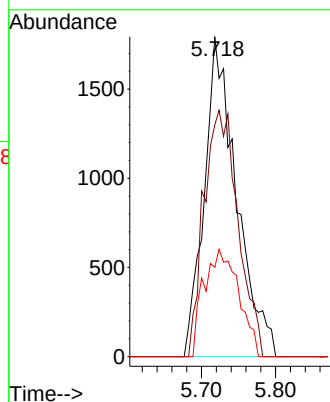
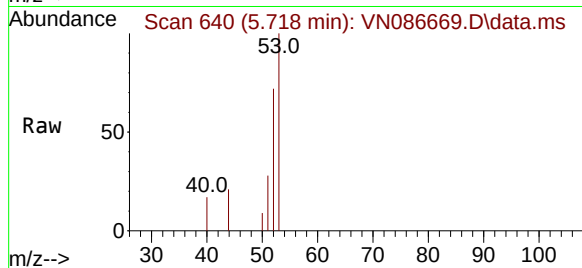
Tgt Ion:	53	Resp:	541
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.4	98.2
51	36.2	27.9	41.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#16

Acetone

Concen: 4.962 ug/l

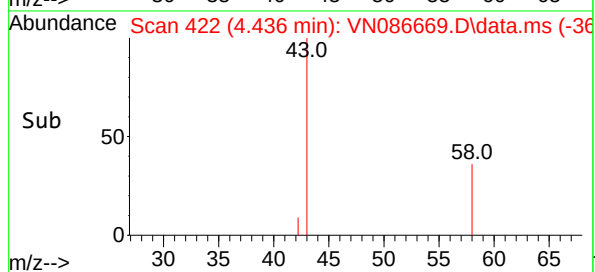
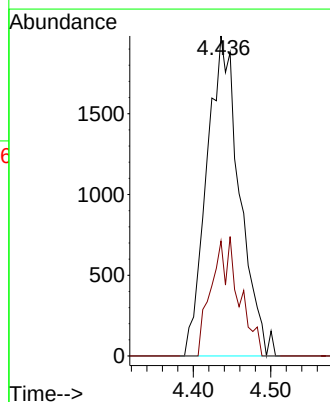
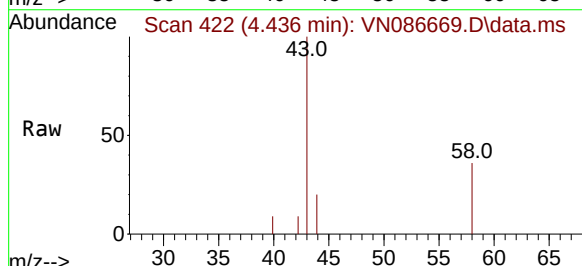
RT: 4.436 min Scan# 422

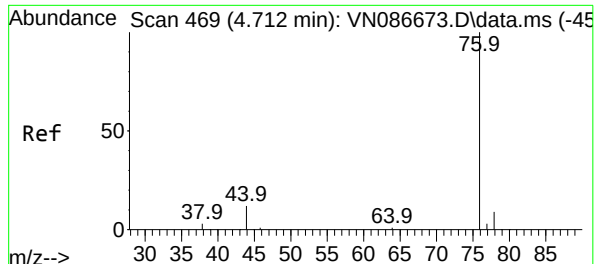
Delta R.T. 0.012 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Tgt Ion:	43	Resp:	5855
Ion	Ratio	Lower	Upper
43	100		
58	35.9	25.8	38.6





#17

Carbon Disulfide

Concen: 0.825 ug/l

RT: 4.724 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Tgt Ion: 76 Resp: 593

Ion Ratio Lower Upper

76 100

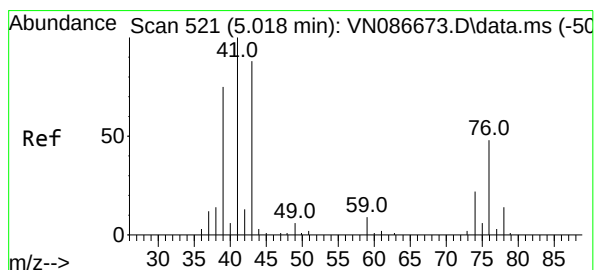
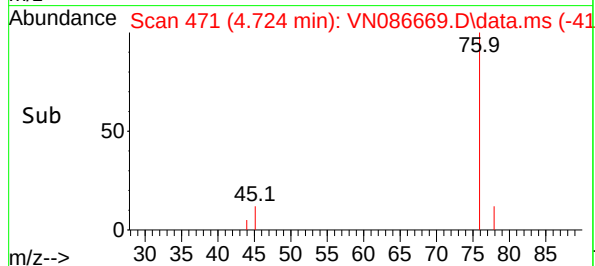
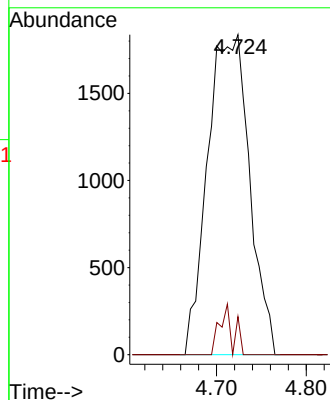
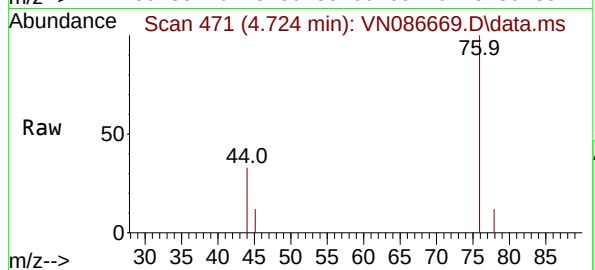
78 11.9 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#18

Methyl Acetate

Concen: 1.087 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN086669.D

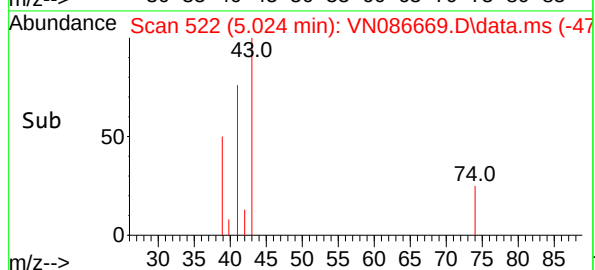
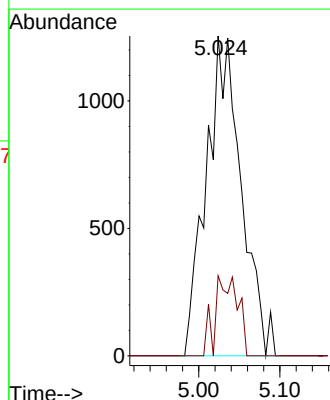
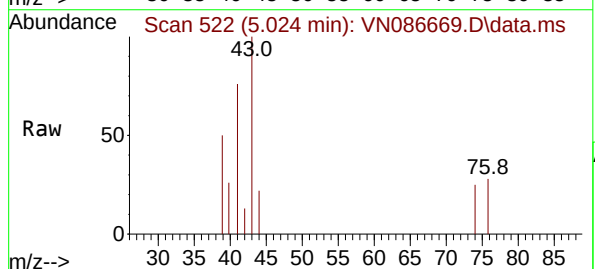
Acq: 16 May 2025 16:31

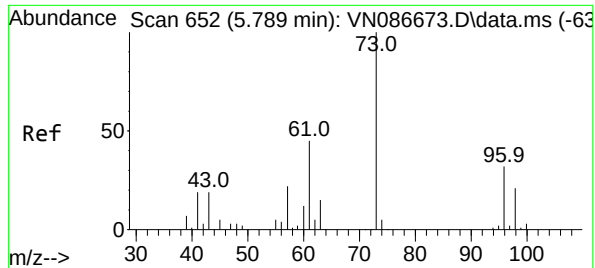
Tgt Ion: 43 Resp: 3780

Ion Ratio Lower Upper

43 100

74 16.2 20.5 30.7





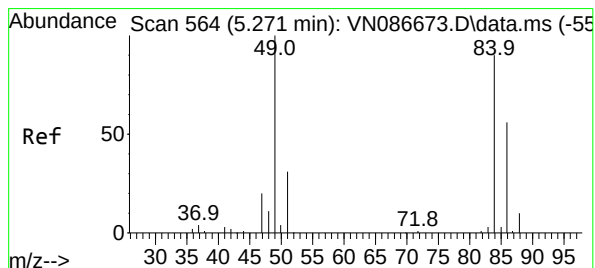
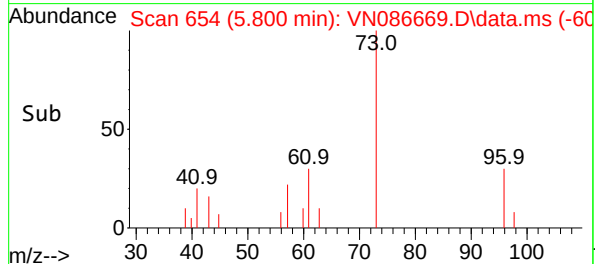
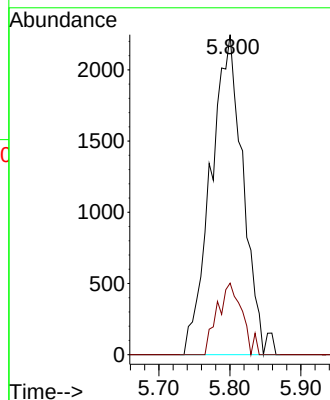
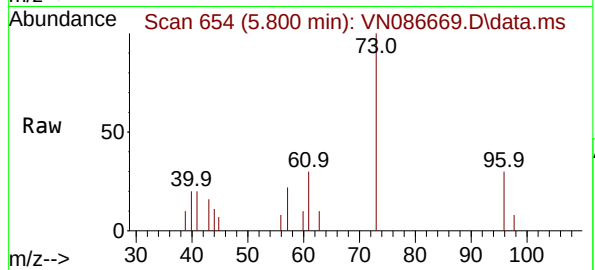
#19
Methyl tert-butyl Ether
Concen: 0.810 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 73 Resp: 710
Ion Ratio Lower Upper
73 100
57 22.4 17.7 26.5

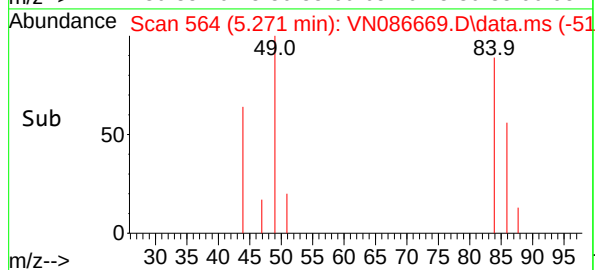
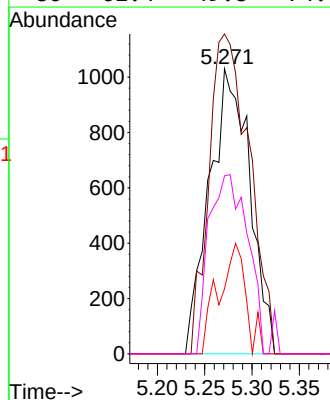
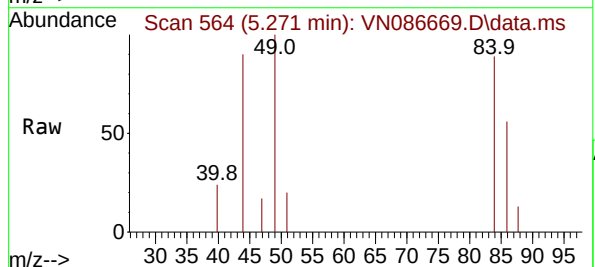
Manual Integrations
APPROVED

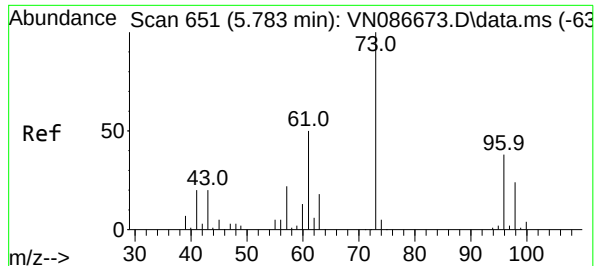
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#20
Methylene Chloride
Concen: 1.110 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

Tgt Ion: 84 Resp: 3050
Ion Ratio Lower Upper
84 100
49 112.2 88.8 133.2
51 22.8 27.8 41.6#
86 62.4 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 0.894 ug/l

RT: 5.794 min Scan# 651

Delta R.T. 0.012 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 2250

Ion Ratio Lower Upper

96 100

61 92.6 105.7 158.5

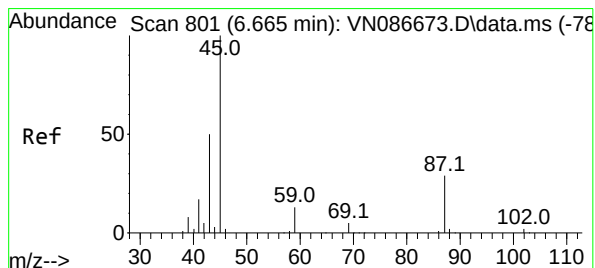
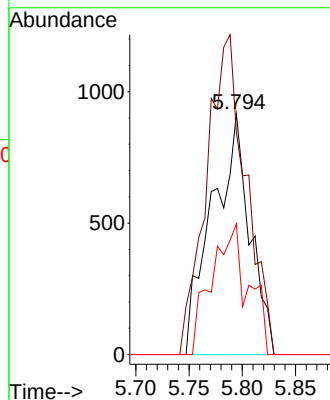
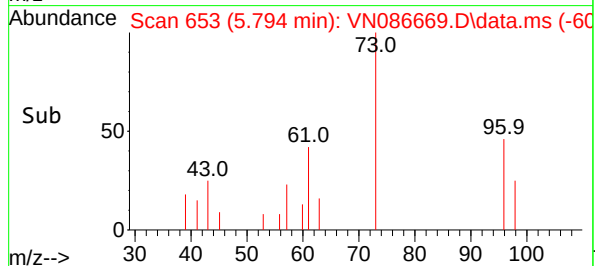
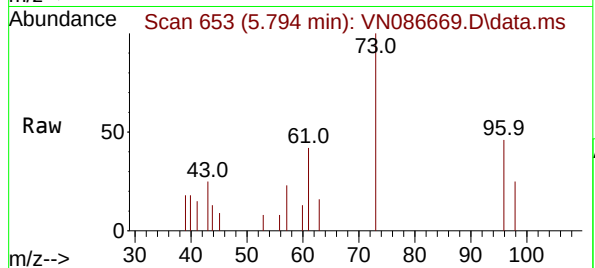
98 54.4 51.0 76.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#22

Diisopropyl ether

Concen: 0.743 ug/l

RT: 6.671 min Scan# 802

Delta R.T. 0.006 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Tgt Ion: 45 Resp: 6818

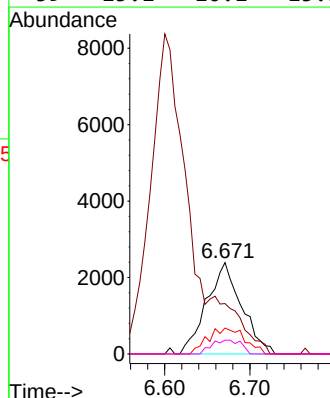
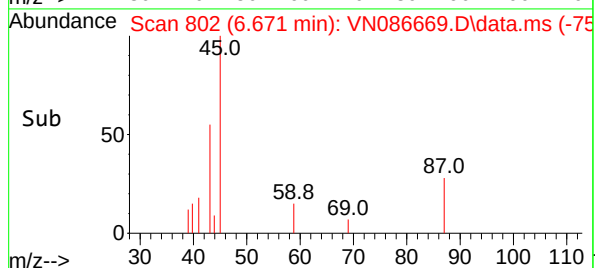
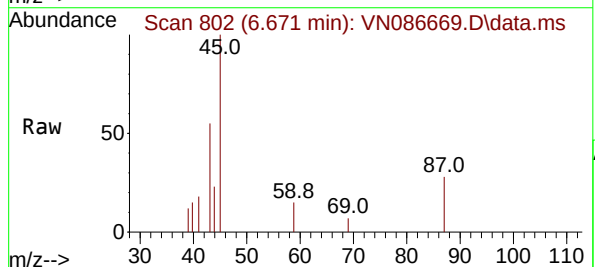
Ion Ratio Lower Upper

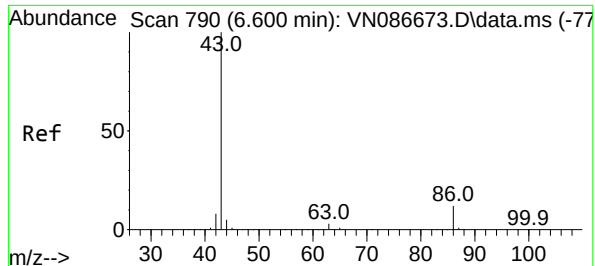
45 100

43 55.1 41.4 62.2

87 28.4 22.9 34.3

59 15.1 10.1 15.1#





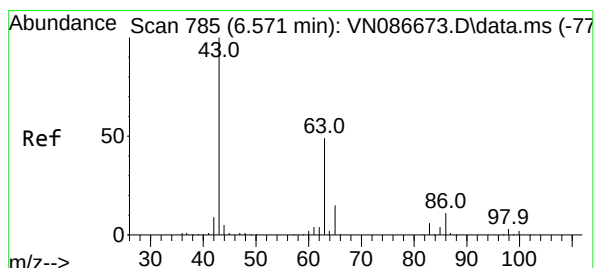
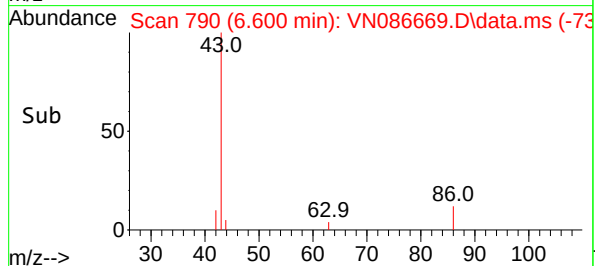
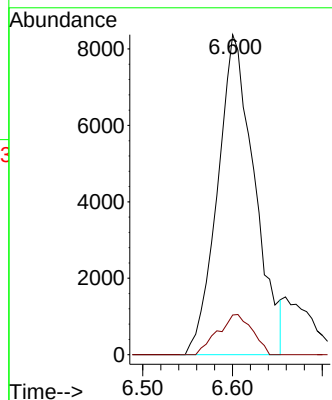
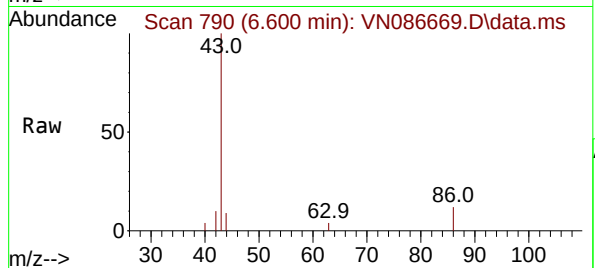
#23
Vinyl Acetate
Concen: 3.683 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 2389
Ion Ratio Lower Upper
43 100
86 12.4 9.5 14.3

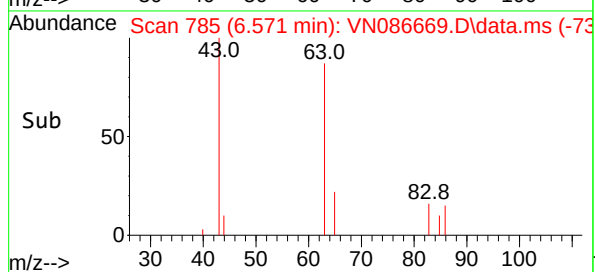
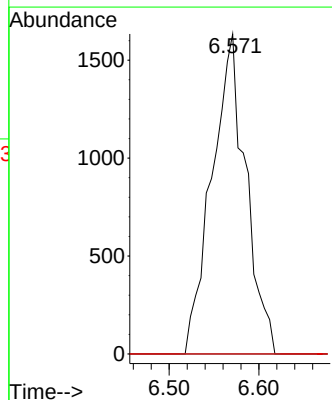
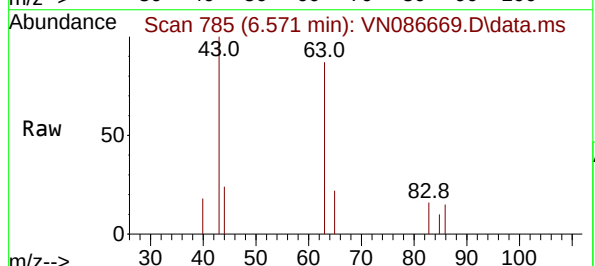
Manual Integrations
APPROVED

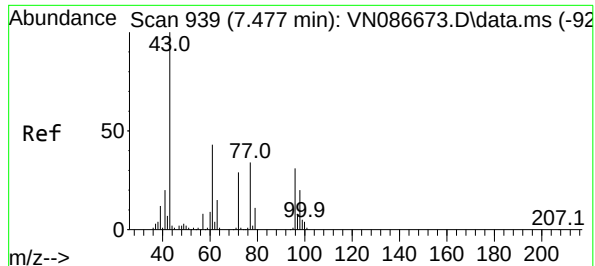
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#24
1,1-Dichloroethane
Concen: 0.877 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

Tgt Ion: 63 Resp: 4288
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.2#
100 0.0 2.4 7.1#





#25

2-Butanone

Concen: 4.035 ug/l

RT: 7.482 min Scan# 940

Delta R.T. 0.006 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 7380

Ion Ratio Lower Upper

43 100

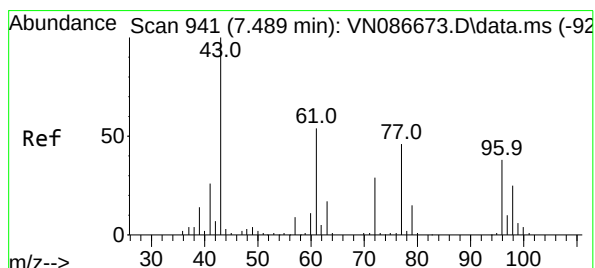
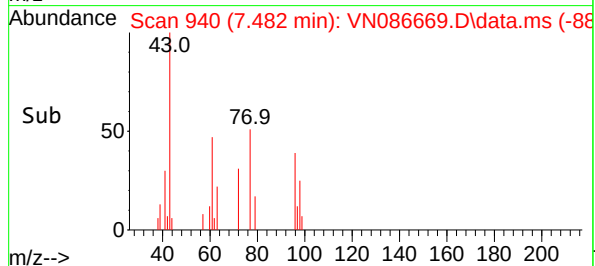
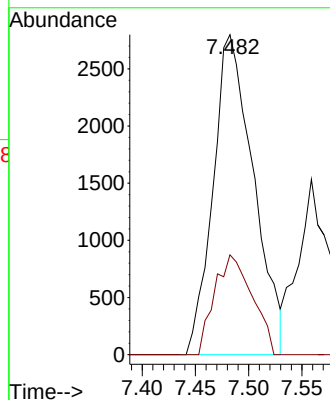
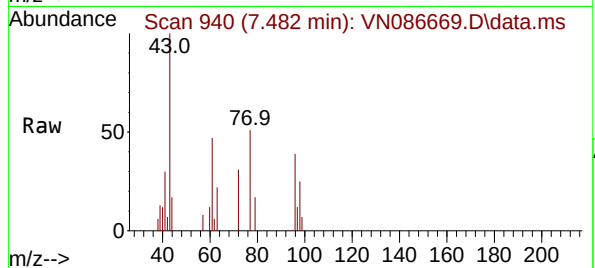
72 31.2 23.1 34.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#26

2,2-Dichloropropane

Concen: 0.866 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.000 min

Lab File: VN086669.D

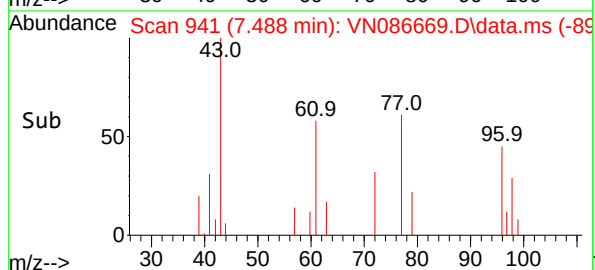
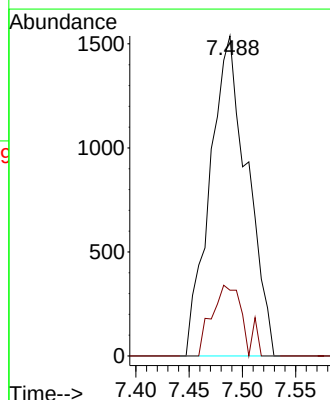
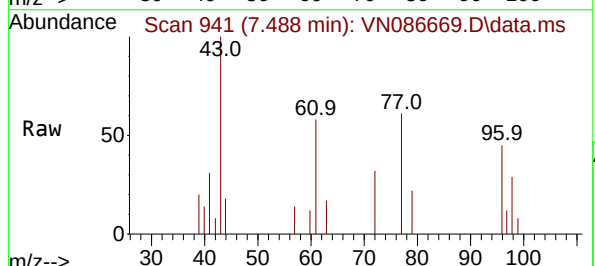
Acq: 16 May 2025 16:31

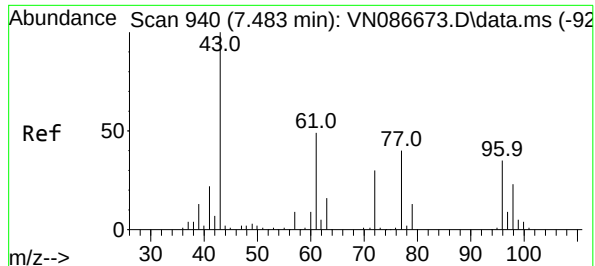
Tgt Ion: 77 Resp: 3751

Ion Ratio Lower Upper

77 100

97 18.5 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 0.893 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 2780

Ion Ratio Lower Upper

96 100

61 133.3 0.0 277.4

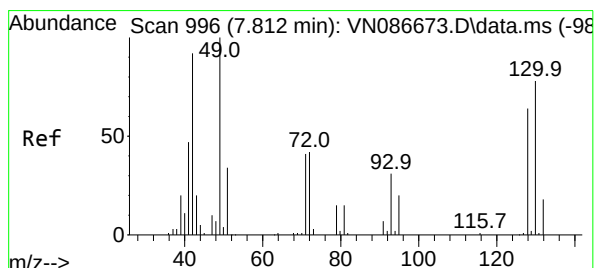
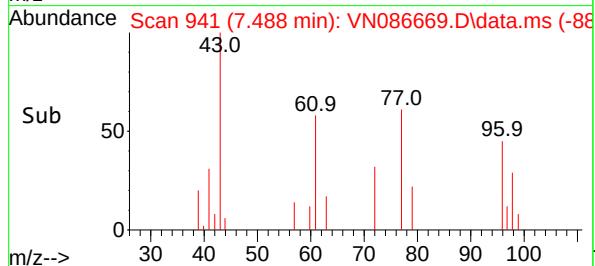
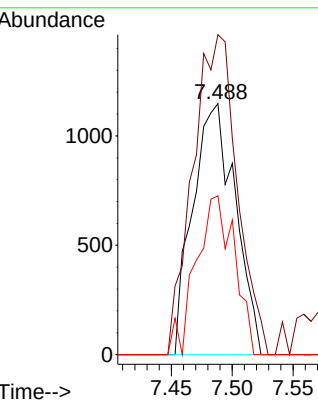
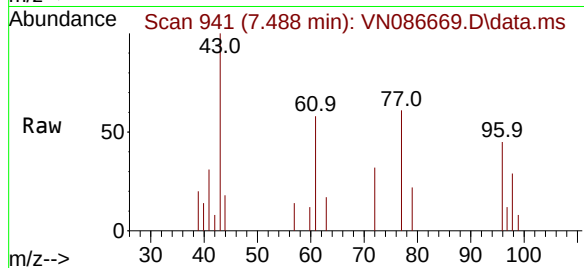
98 57.1 0.0 129.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#28

Bromochloromethane

Concen: 0.957 ug/l

RT: 7.818 min Scan# 997

Delta R.T. 0.006 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

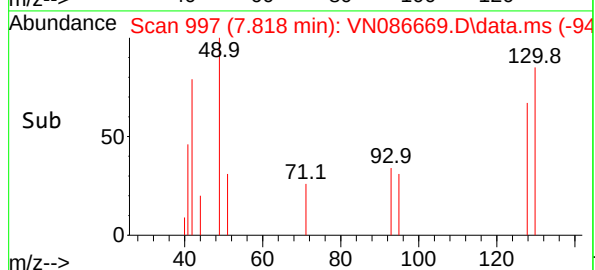
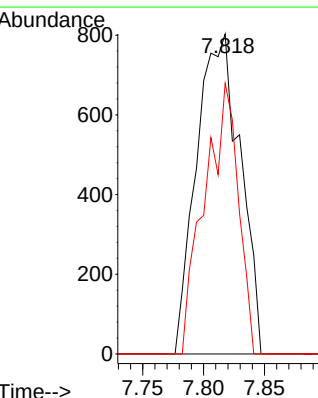
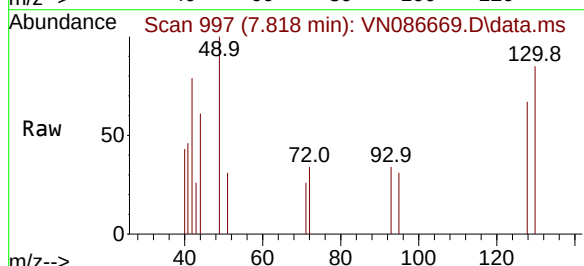
Tgt Ion: 49 Resp: 1999

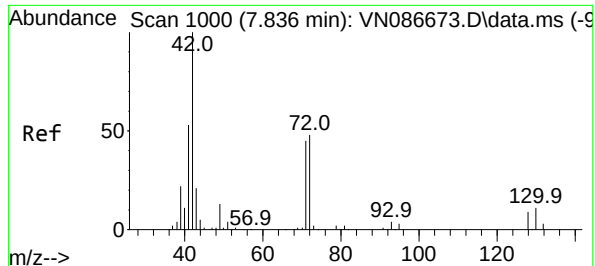
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 65.2 62.2 93.4





#29

Tetrahydrofuran

Concen: 3.784 ug/l

RT: 7.847 min Scan# 1000

Delta R.T. 0.012 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

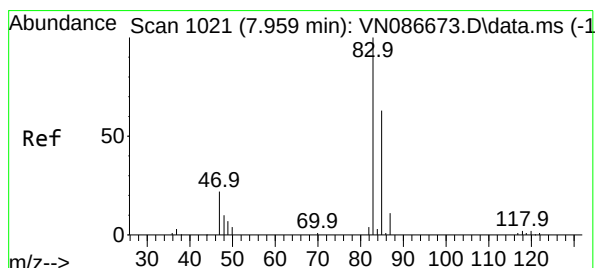
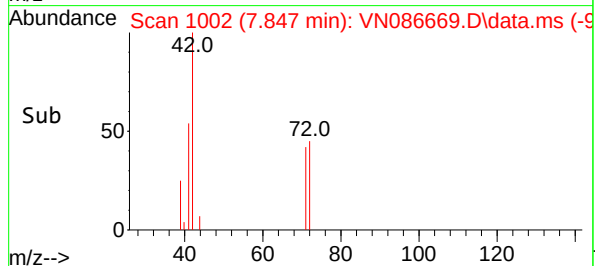
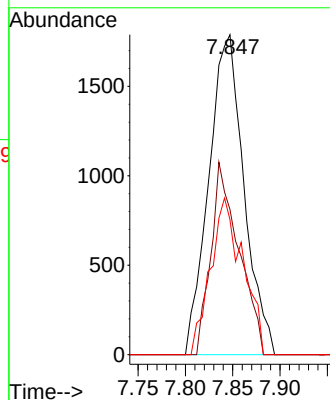
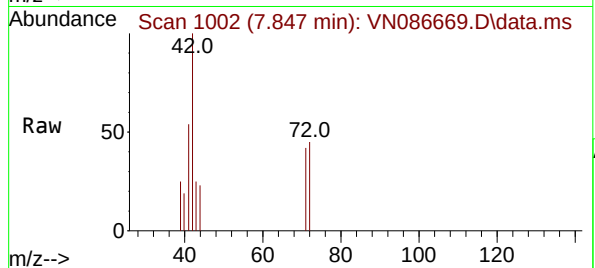
Tgt Ion:	42	Resp:	462
Ion	Ratio	Lower	Upper
42	100		
72	47.7	38.7	58.1
71	45.1	36.2	54.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#30

Chloroform

Concen: 0.901 ug/l

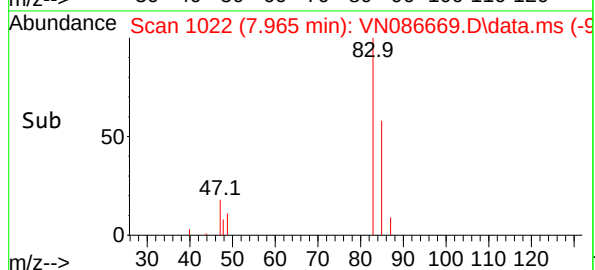
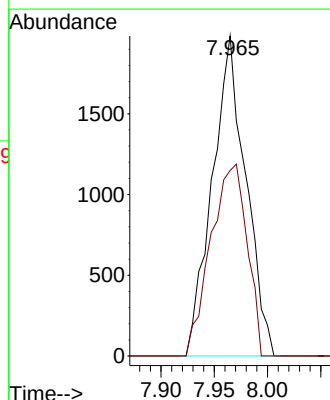
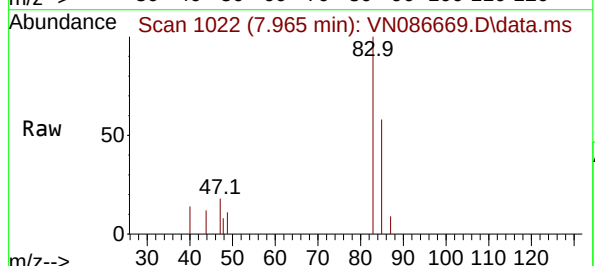
RT: 7.965 min Scan# 1022

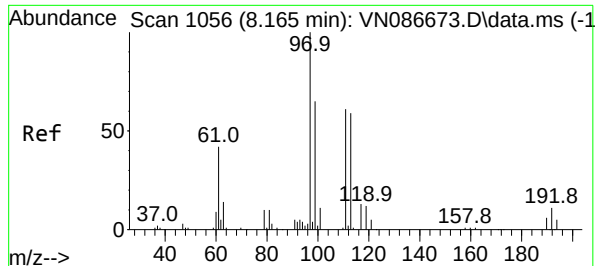
Delta R.T. 0.006 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Tgt Ion:	83	Resp:	4340
Ion	Ratio	Lower	Upper
83	100		
85	58.0	50.2	75.4





#32

1,1,1-Trichloroethane

Concen: 0.867 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Tgt Ion: 97 Resp: 357

Ion Ratio Lower Upper

97 100

99 0.0 52.6 79.0

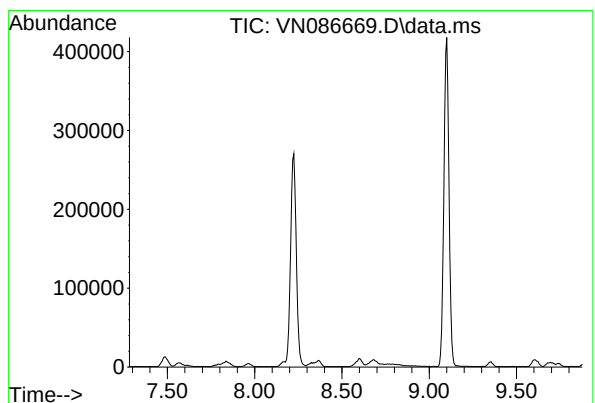
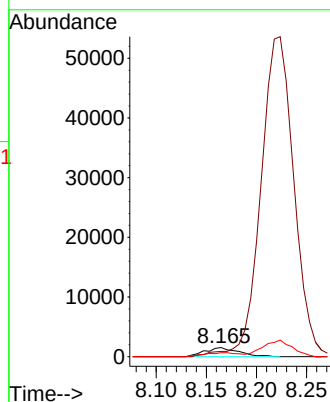
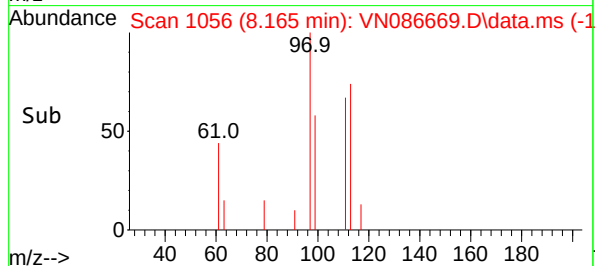
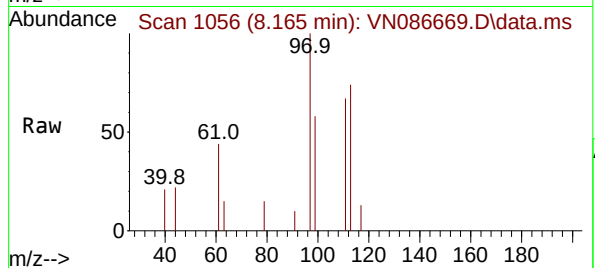
61 45.3 37.7 56.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.58 min

Lab File: VN086669.D

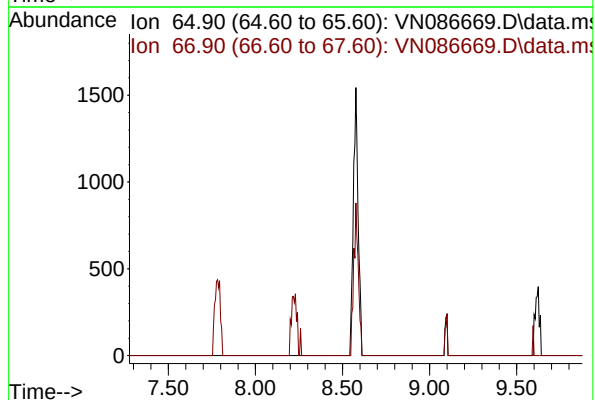
Acq: 16 May 2025 16:31

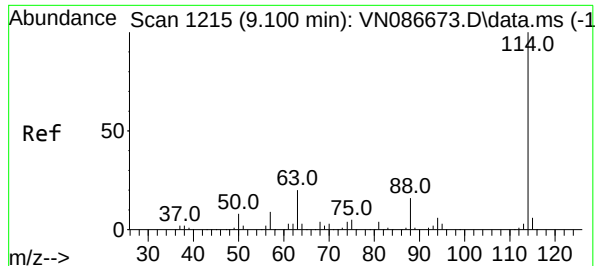
Tgt Ion: 65

Sig Exp Ratio

65 100

67 53.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Tgt Ion:114 Resp: 37363

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.2

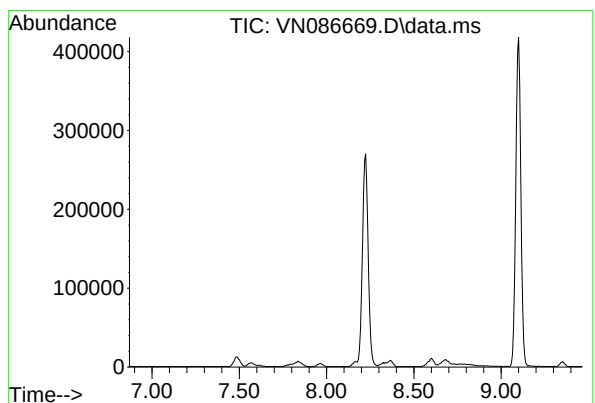
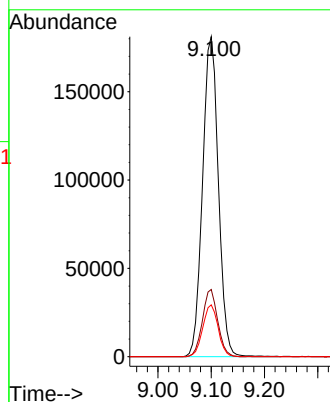
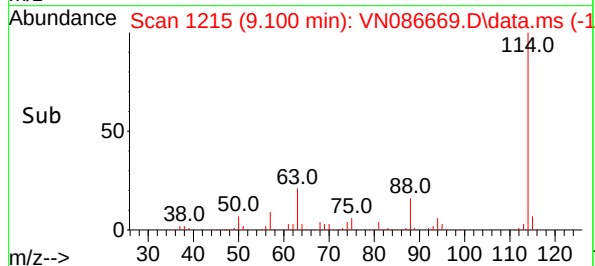
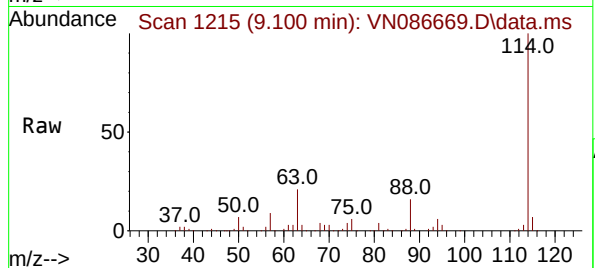
88 16.2 0.0 31.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 8.16 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

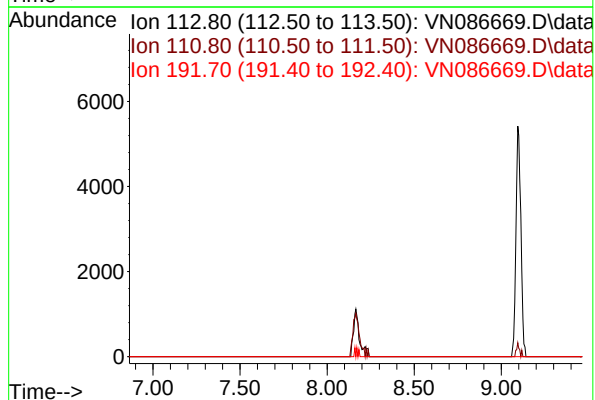
Tgt Ion: 113

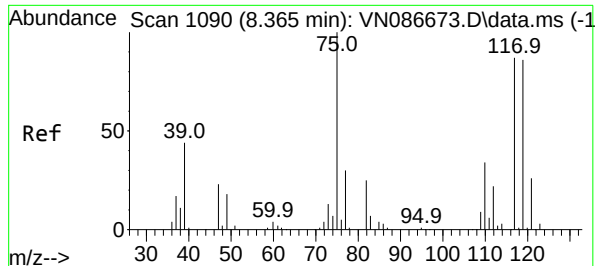
Sig Exp Ratio

113 100

111 102.7

192 17.3





#36

1,1-Dichloropropene

Concen: 0.877 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

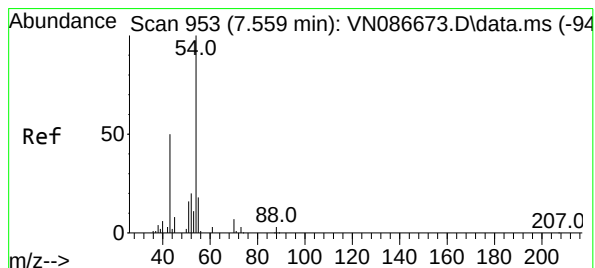
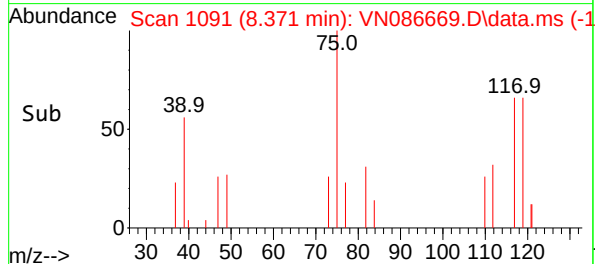
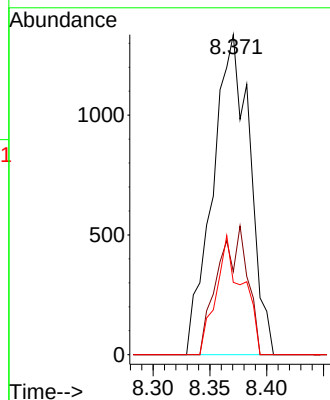
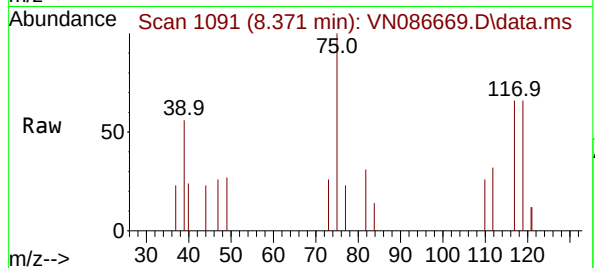
Tgt Ion:	75	Resp:	3030
Ion	Ratio	Lower	Upper
75	100		
110	32.0	17.5	52.5
77	26.5	25.1	37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#37

Ethyl Acetate

Concen: 0.874 ug/l

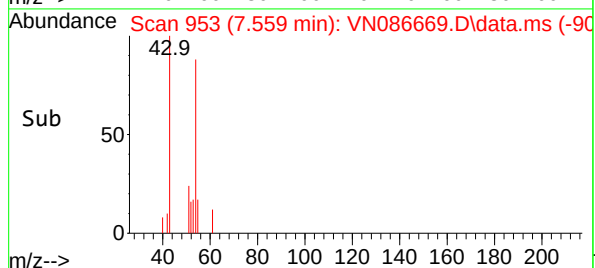
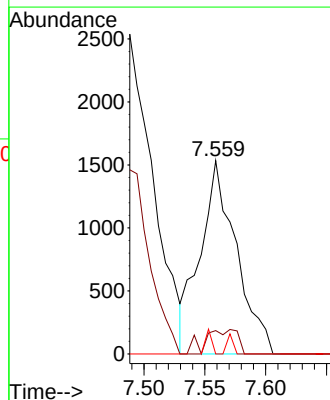
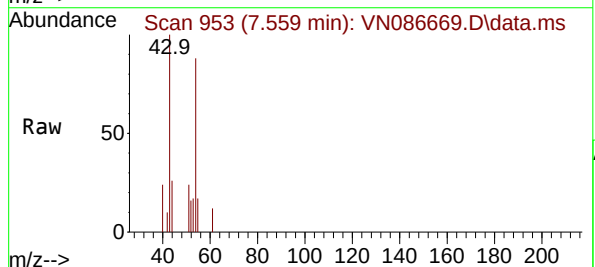
RT: 7.559 min Scan# 953

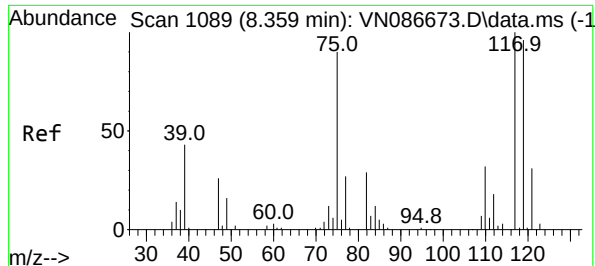
Delta R.T. -0.000 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

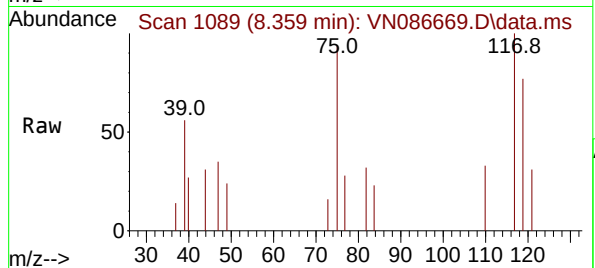
Tgt Ion:	43	Resp:	3175
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	2.2	9.4	14.0#





#38
Carbon Tetrachloride
Concen: 0.869 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

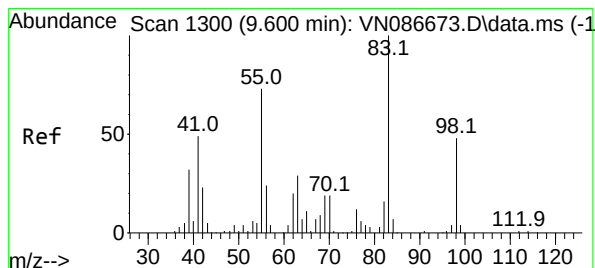
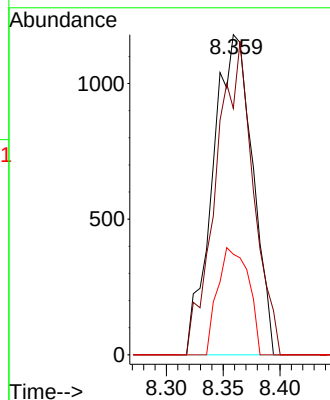
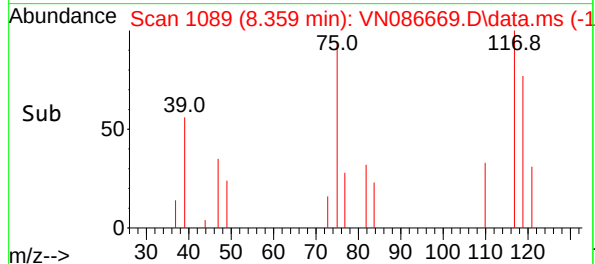
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



Tgt Ion: 117 Resp: 287
Ion Ratio Lower Upper
117 100
119 76.9 77.0 115.6
121 31.4 25.0 37.6

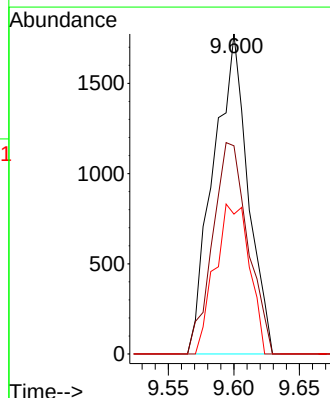
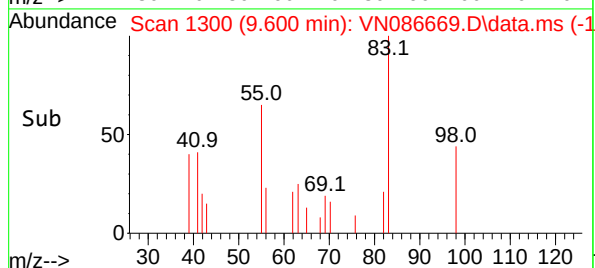
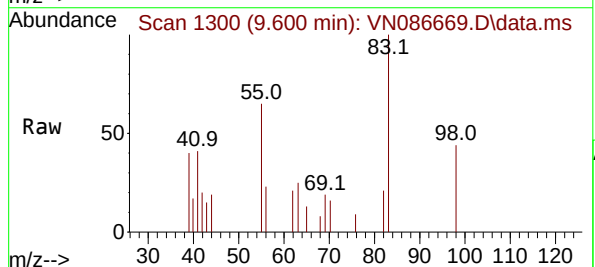
Manual Integrations
APPROVED

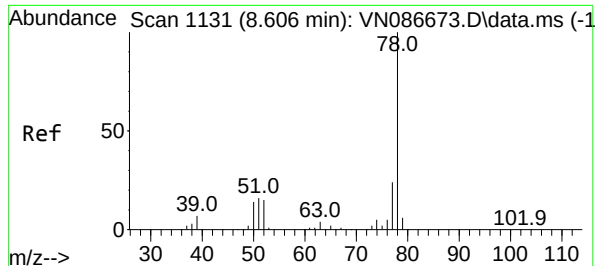
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#39
Methylcyclohexane
Concen: 0.801 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

Tgt Ion: 83 Resp: 3255
Ion Ratio Lower Upper
83 100
55 65.1 58.2 87.4
98 43.7 38.4 57.6





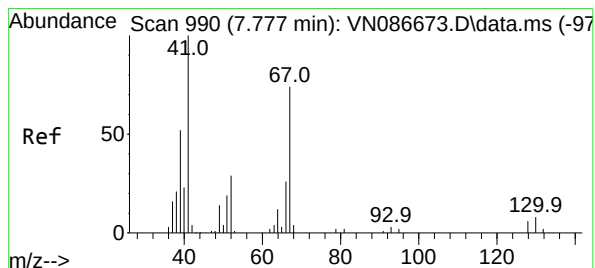
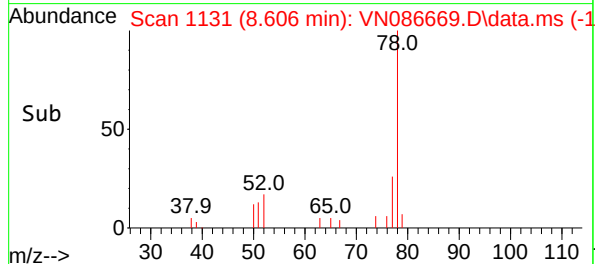
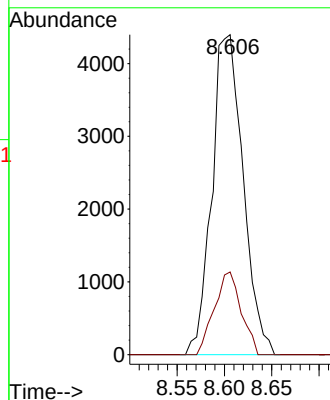
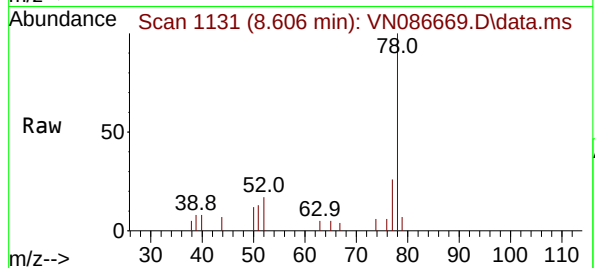
#40
Benzene
Concen: 0.908 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 78 Resp: 1007
Ion Ratio Lower Upper
78 100
77 25.9 19.1 28.7

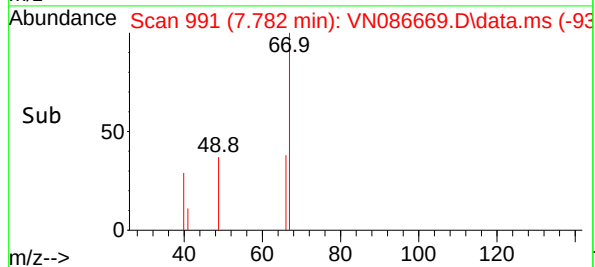
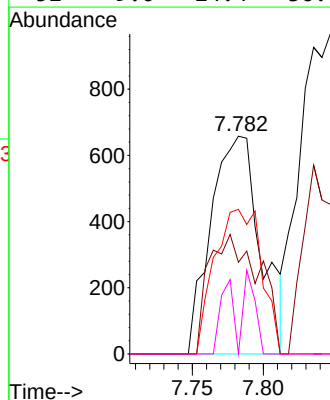
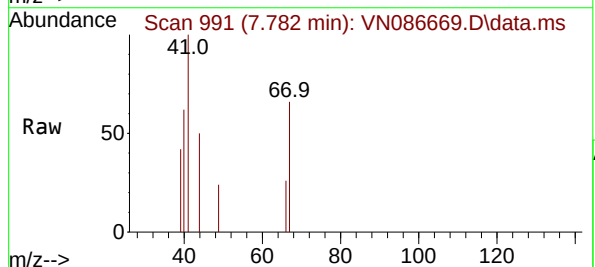
Manual Integrations
APPROVED

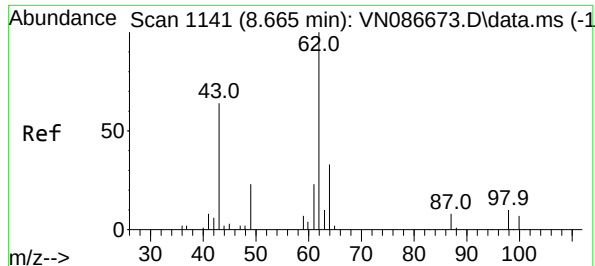
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#41
Methacrylonitrile
Concen: 0.775 ug/l
RT: 7.782 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

Tgt Ion: 41 Resp: 1615
Ion Ratio Lower Upper
41 100
39 0.0 44.9 67.3#
67 61.9 63.4 95.0#
52 9.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.874 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.000 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 62 Resp: 308

Ion Ratio Lower Upper

62 100

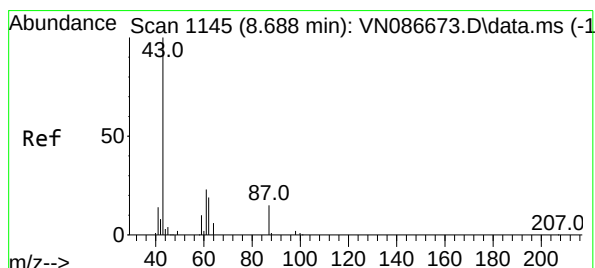
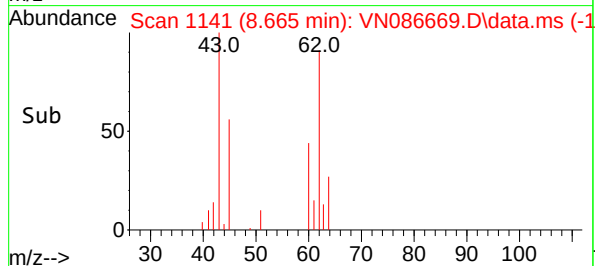
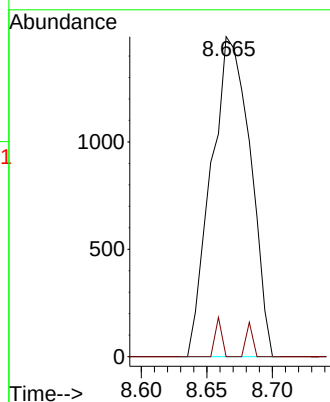
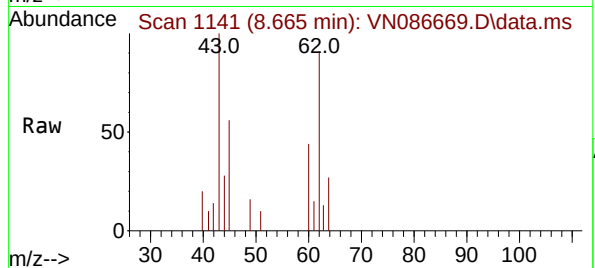
98 2.1 0.0 19.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#43

Isopropyl Acetate

Concen: 0.980 ug/l m

RT: 8.682 min Scan# 1144

Delta R.T. -0.006 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

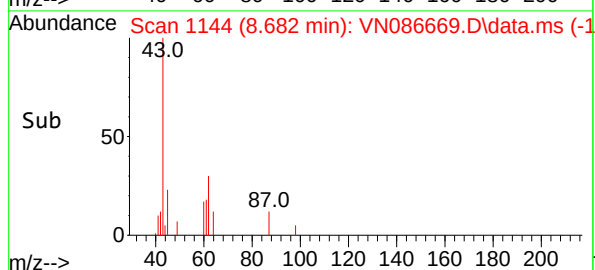
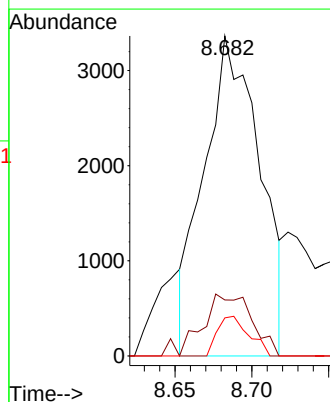
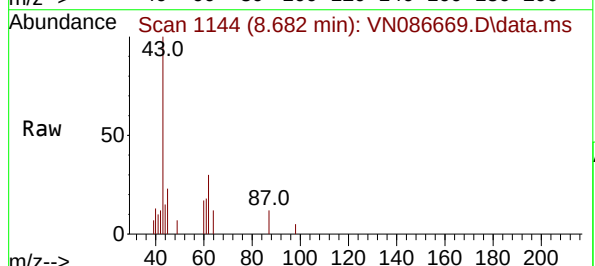
Tgt Ion: 43 Resp: 8505

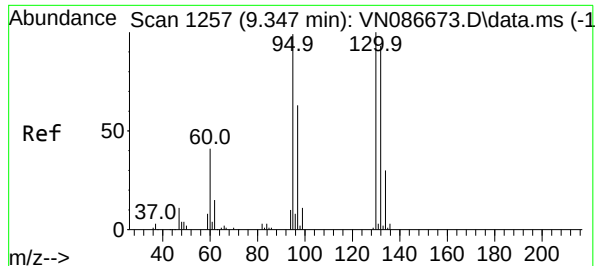
Ion Ratio Lower Upper

43 100

61 17.5 21.4 32.2#

87 7.0 11.1 16.7#





#44

Trichloroethene

Concen: 0.866 ug/l

RT: 9.353 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:130 Resp: 2284

Ion Ratio Lower Upper

130 100

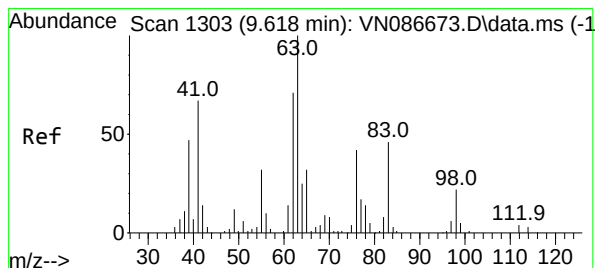
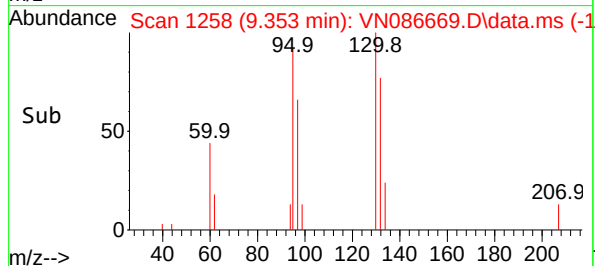
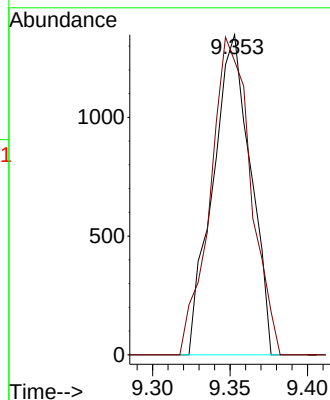
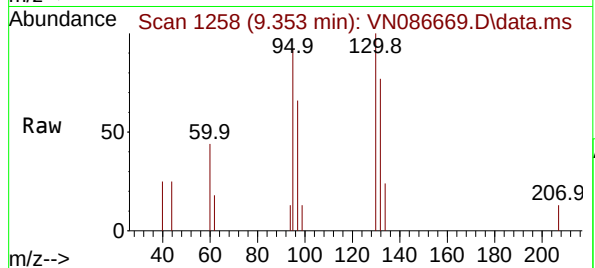
95 91.8 0.0 197.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#45

1,2-Dichloropropane

Concen: 0.861 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086669.D

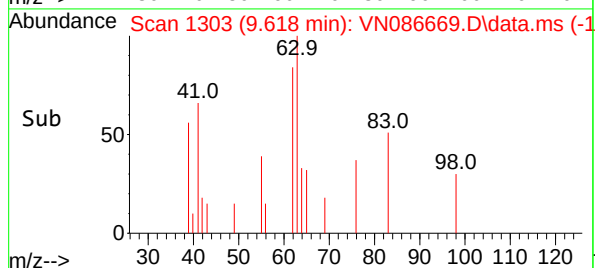
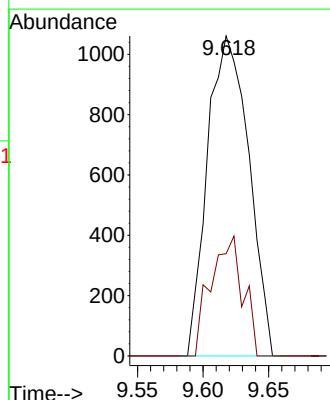
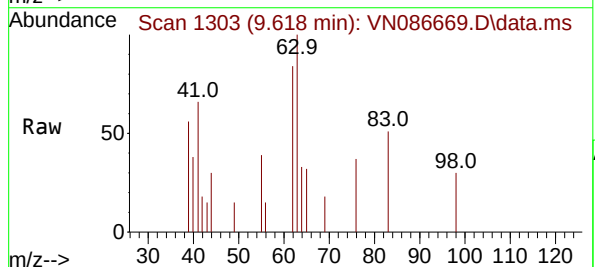
Acq: 16 May 2025 16:31

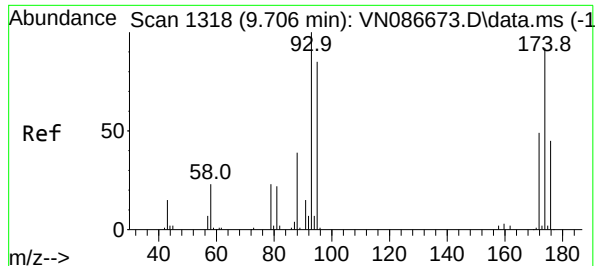
Tgt Ion: 63 Resp: 2325

Ion Ratio Lower Upper

63 100

65 32.0 25.8 38.6





#46

Dibromomethane

Concen: 0.878 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 93 Resp: 152

Ion Ratio Lower Upper

93 100

95 87.6 67.1 100.7

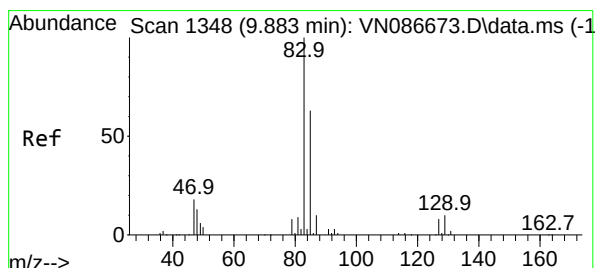
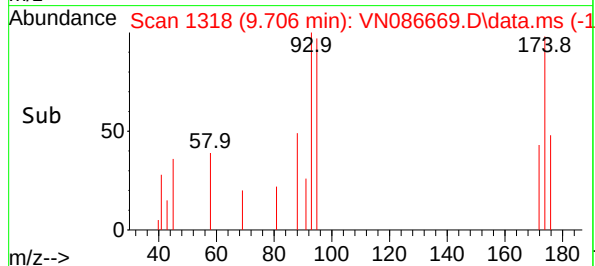
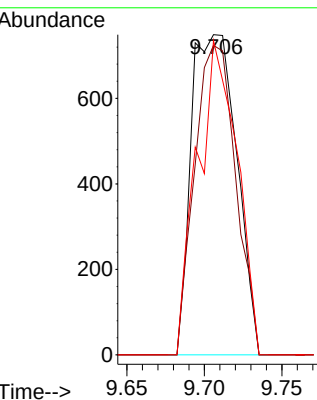
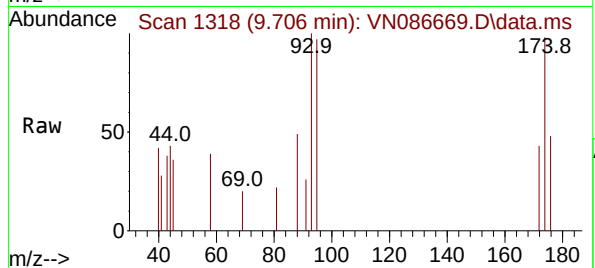
174 86.5 73.8 110.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#47

Bromodichloromethane

Concen: 0.875 ug/l

RT: 9.882 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

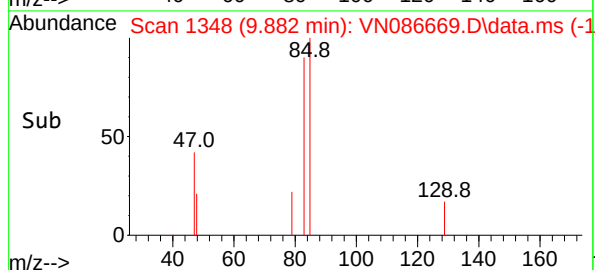
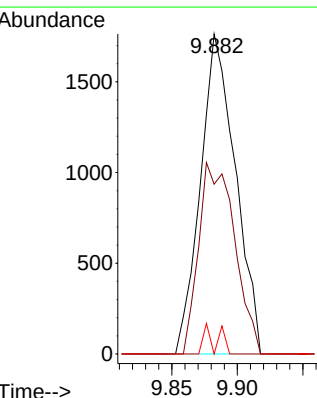
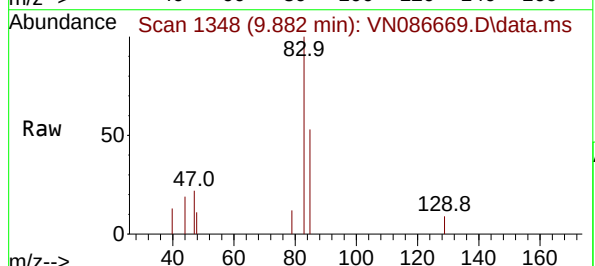
Tgt Ion: 83 Resp: 3268

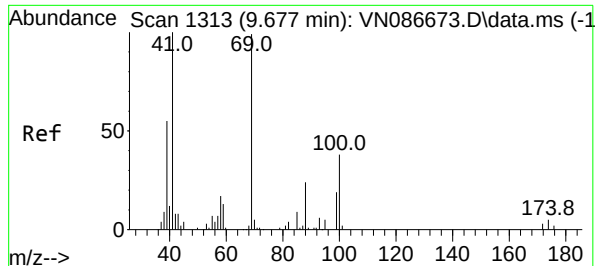
Ion Ratio Lower Upper

83 100

85 53.1 50.1 75.1

127 0.0 6.2 9.4





#48

Methyl methacrylate

Concen: 0.725 ug/l

RT: 9.676 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Tgt Ion: 41 Resp: 228

Ion Ratio Lower Upper

41 100

69 90.7 74.1 111.1

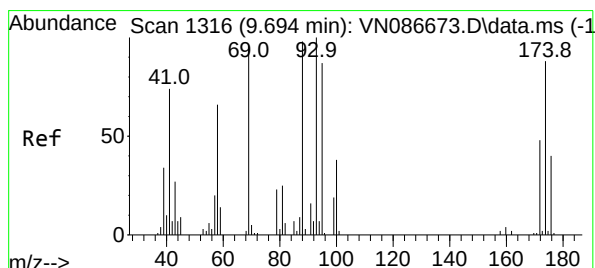
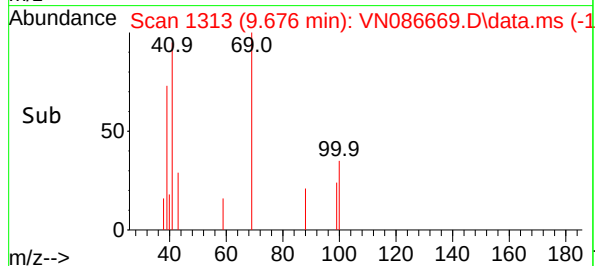
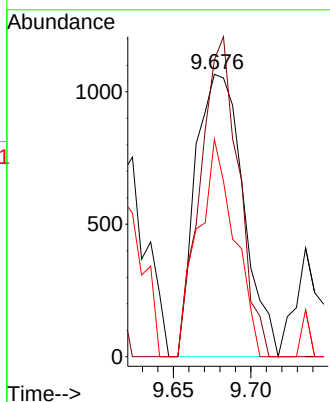
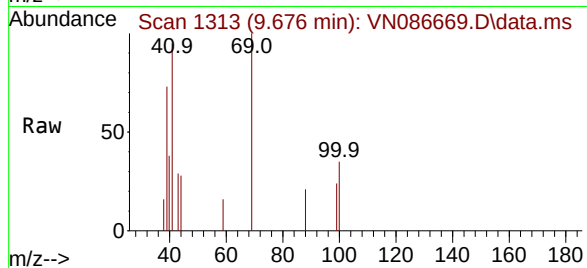
39 59.2 44.1 66.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#49

1,4-Dioxane

Concen: 17.569 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

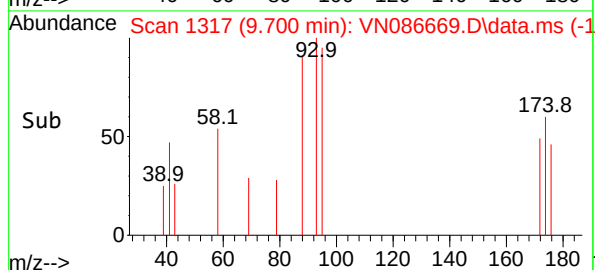
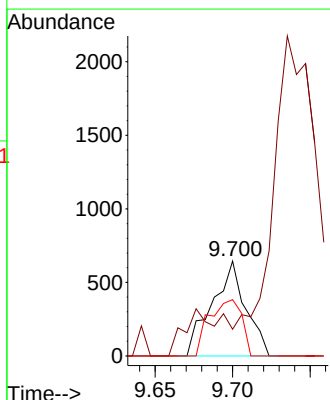
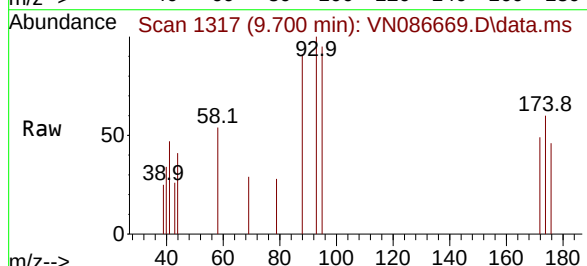
Tgt Ion: 88 Resp: 978

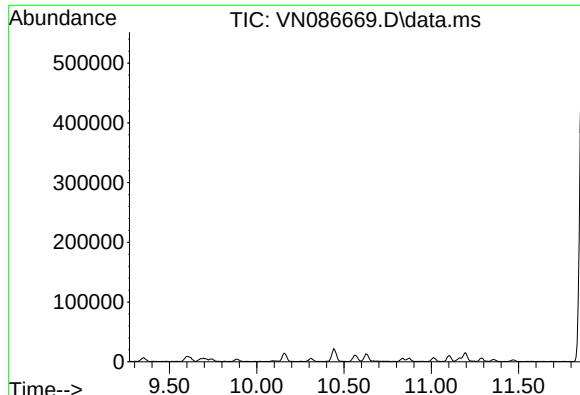
Ion Ratio Lower Upper

88 100

43 0.0 23.6 35.4#

58 57.1 55.3 82.9





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

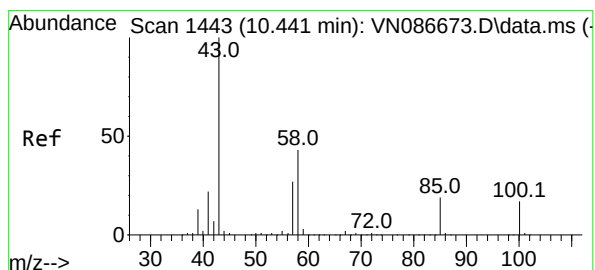
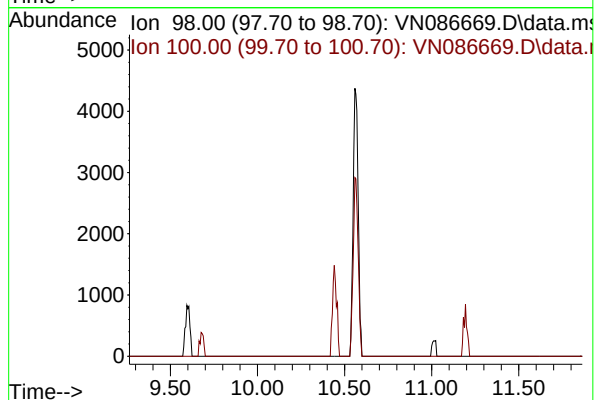
Lab File: VN086669.D
Acq: 16 May 2025 16:31

Tgt Ion: 98
Sig Exp Ratio
98 100
100 66.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

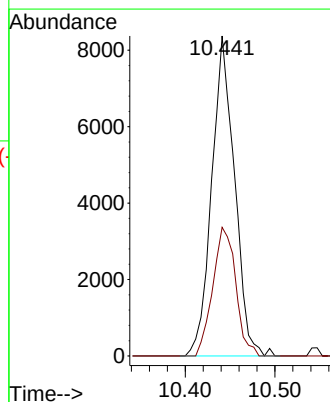
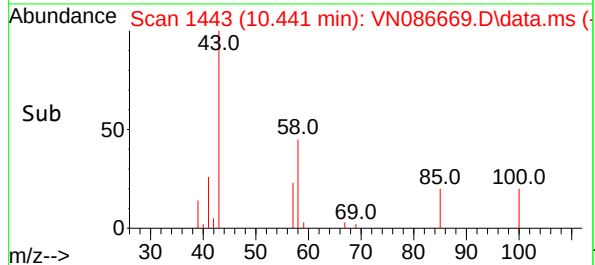
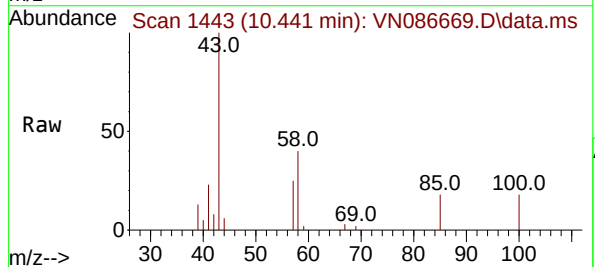
Manual Integrations
APPROVED

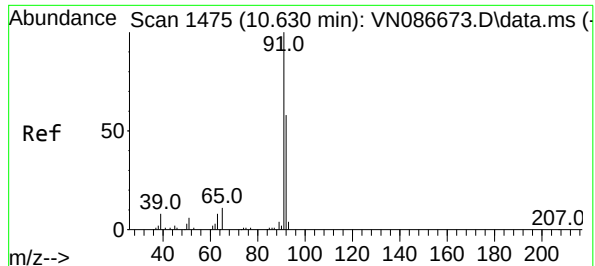
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#51
4-Methyl-2-Pentanone
Concen: 4.011 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

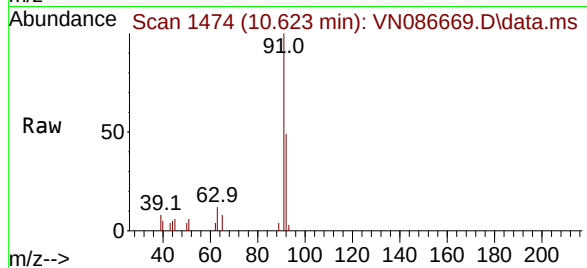
Tgt Ion: 43 Resp: 14811
Ion Ratio Lower Upper
43 100
58 40.4 33.9 50.9





#52
Toluene
Concen: 0.826 ug/l
RT: 10.623 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

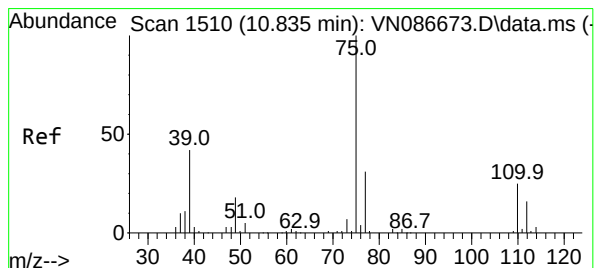
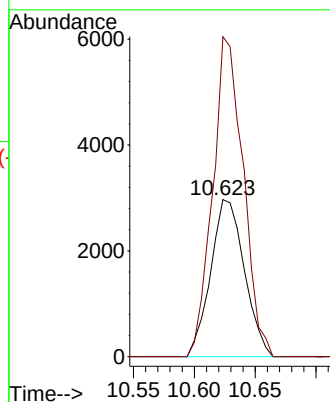
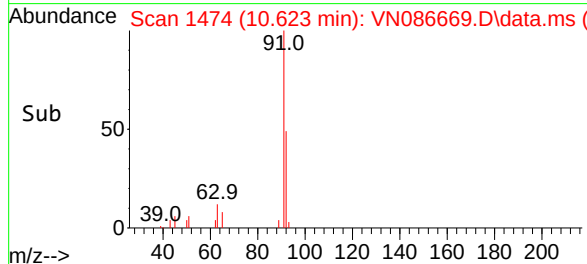
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



Tgt Ion: 92 Resp: 571
Ion Ratio Lower Upper
92 100
91 184.5 137.8 206.8

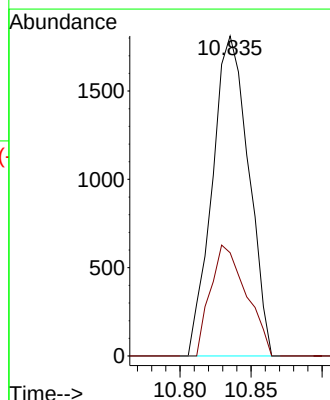
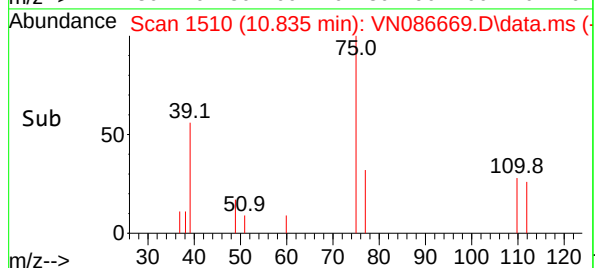
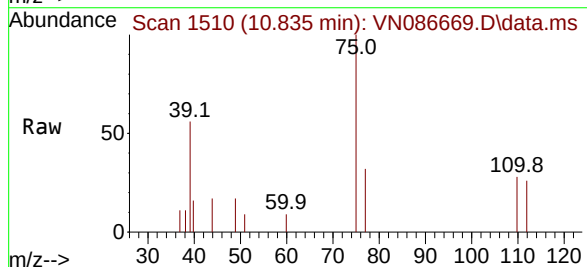
Manual Integrations
APPROVED

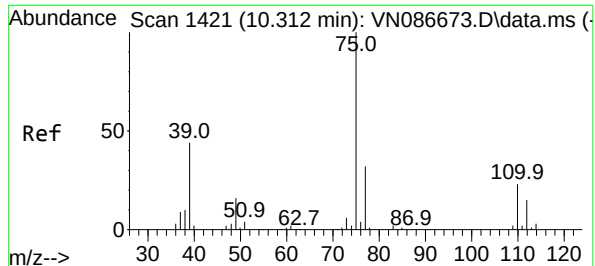
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#53
t-1,3-Dichloropropene
Concen: 0.783 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

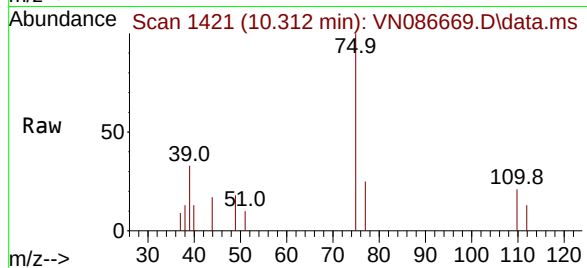
Tgt Ion: 75 Resp: 3234
Ion Ratio Lower Upper
75 100
77 32.3 25.2 37.8





#54
cis-1,3-Dichloropropene
Concen: 0.798 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

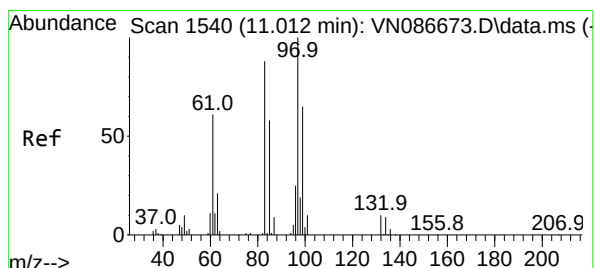
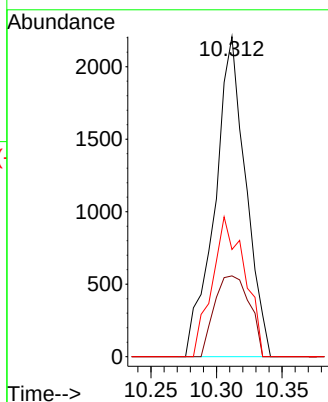
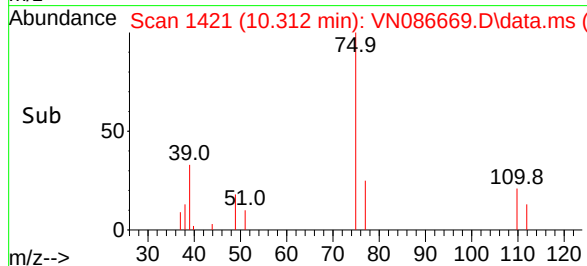
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion: 75 Resp: 3620
Ion Ratio Lower Upper
75 100
77 25.2 25.3 37.9#
39 33.5 35.2 52.8#

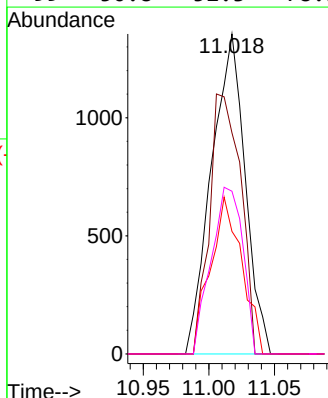
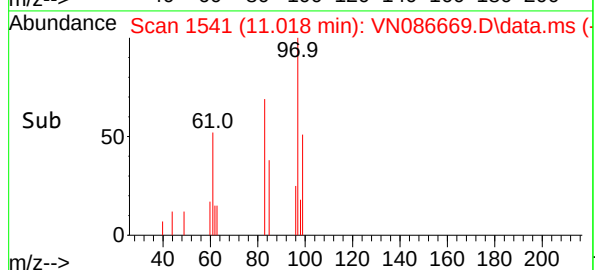
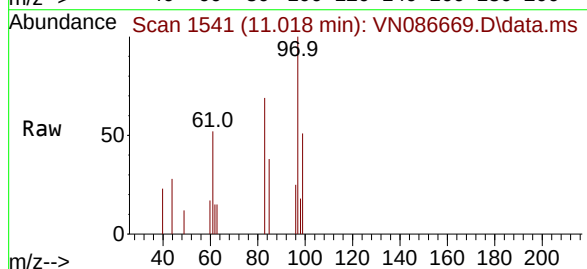
Manual Integrations
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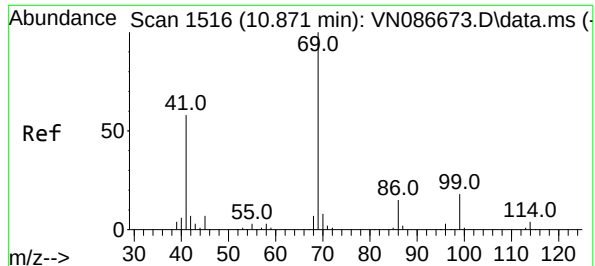
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#55
1,1,2-Trichloroethane
Concen: 0.970 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

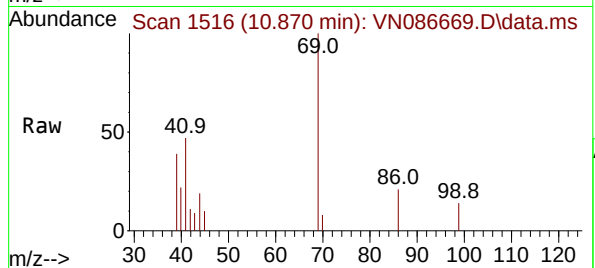
Tgt Ion: 97 Resp: 2419
Ion Ratio Lower Upper
97 100
83 69.1 70.4 105.6#
85 38.3 46.1 69.1#
99 50.8 52.3 78.5#





#56
Ethyl methacrylate
Concen: 0.722 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

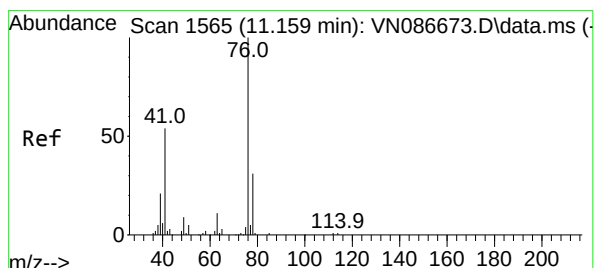
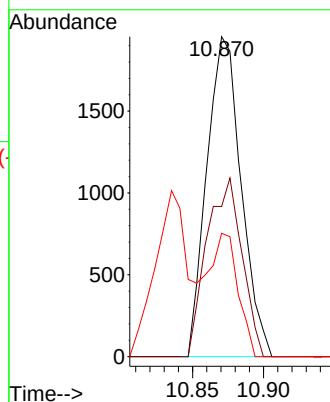
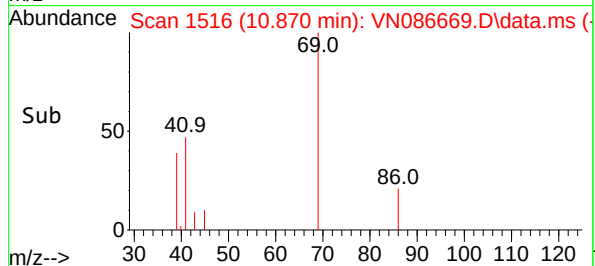
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



Tgt Ion: 69 Resp: 3289
Ion Ratio Lower Upper
69 100
41 57.1 47.4 71.0
39 33.5 24.0 36.0

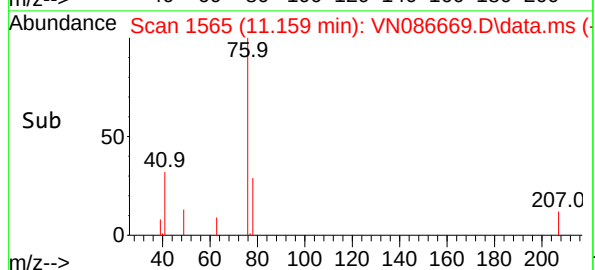
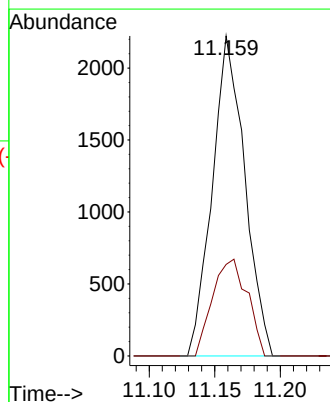
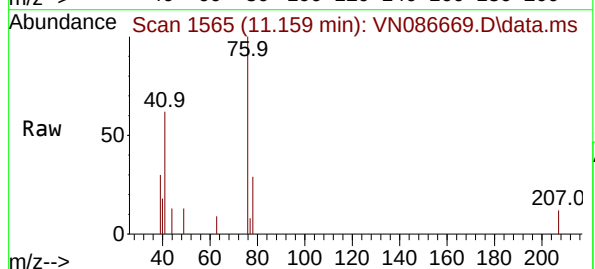
Manual Integrations
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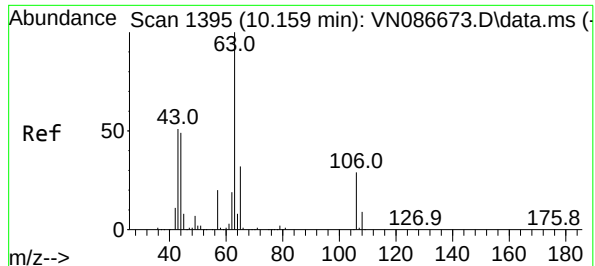
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#57
1,3-Dichloropropane
Concen: 0.866 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

Tgt Ion: 76 Resp: 3826
Ion Ratio Lower Upper
76 100
78 32.3 25.8 38.8





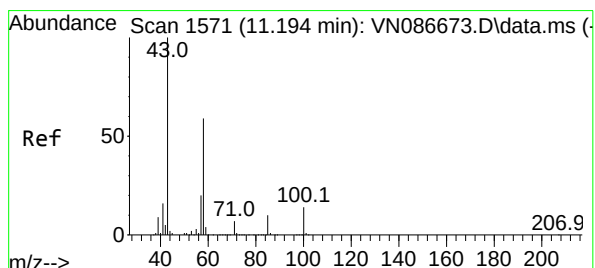
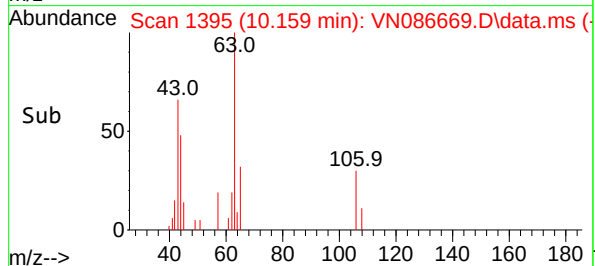
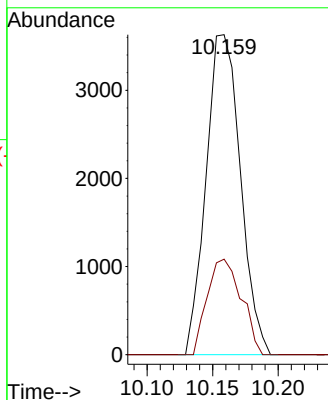
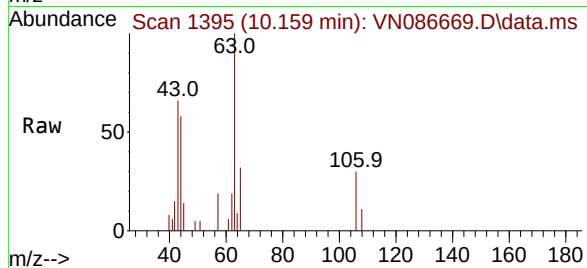
#58
2-Chloroethyl Vinyl ether
Concen: 3.099 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 6624
Ion Ratio Lower Upper
63 100
106 29.7 23.1 34.7

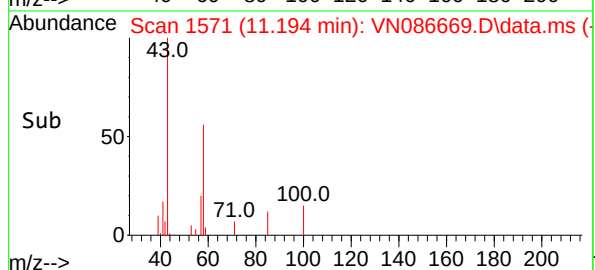
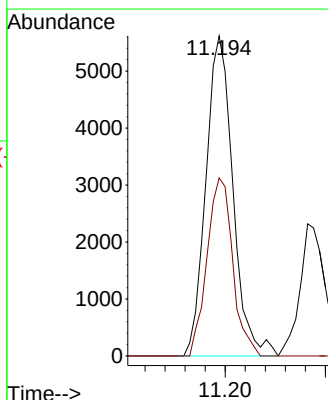
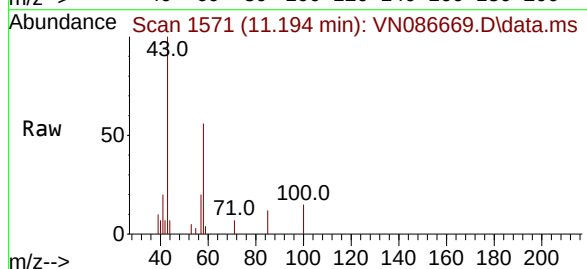
Manual Integrations
APPROVED

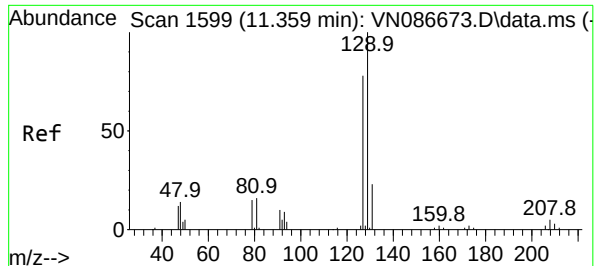
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#59
2-Hexanone
Concen: 3.837 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

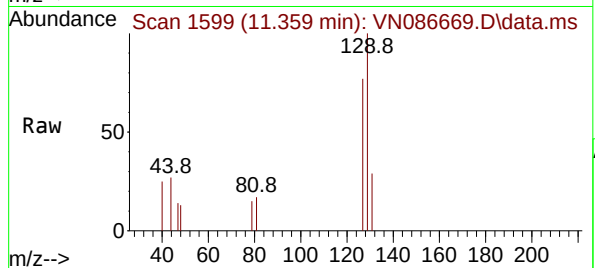
Tgt Ion: 43 Resp: 10521
Ion Ratio Lower Upper
43 100
58 52.8 29.8 89.5





#60
Dibromochloromethane
Concen: 0.825 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

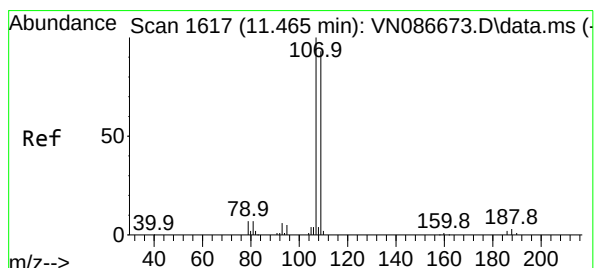
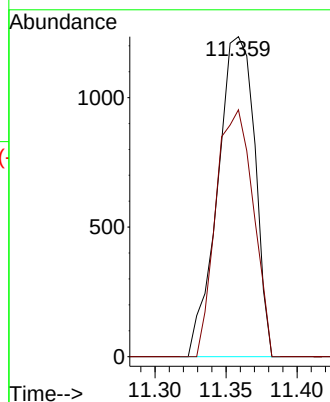
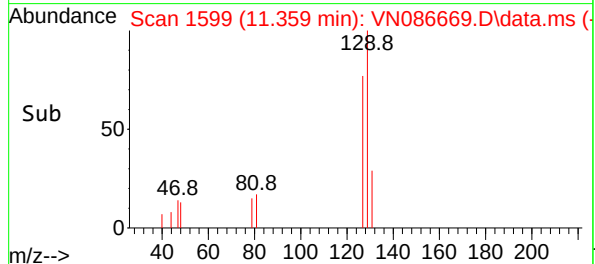
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



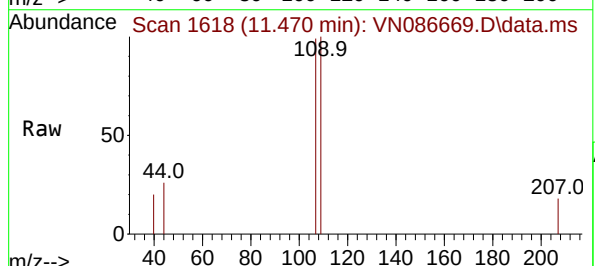
Tgt Ion:129 Resp: 225
Ion Ratio Lower Upper
129 100
127 77.3 39.5 118.3

Manual Integrations
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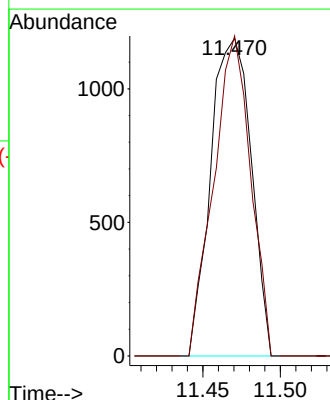
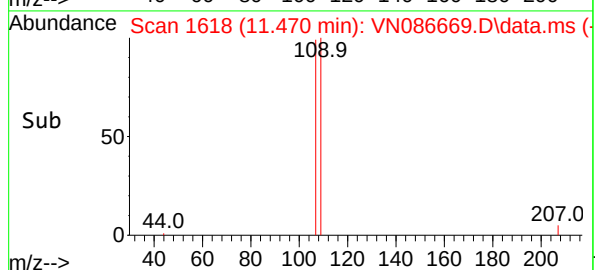
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

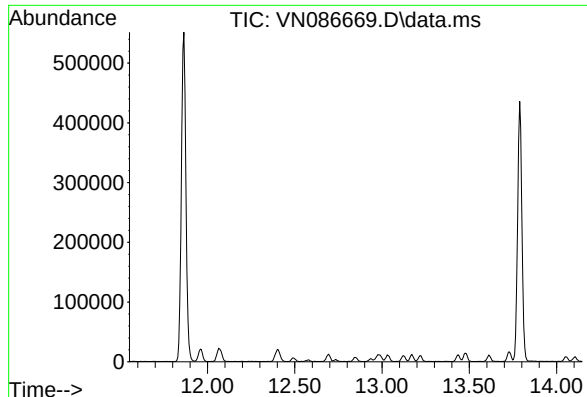


#61
1,2-Dibromoethane
Concen: 0.855 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. 0.006 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31



Tgt Ion:107 Resp: 2160
Ion Ratio Lower Upper
107 100
109 92.3 75.0 112.4





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

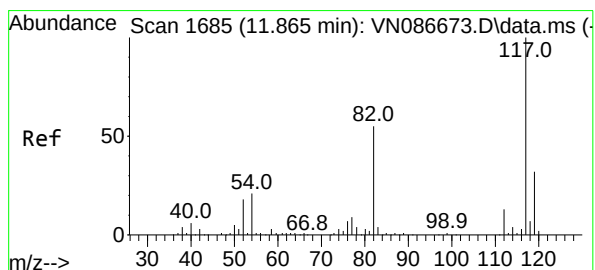
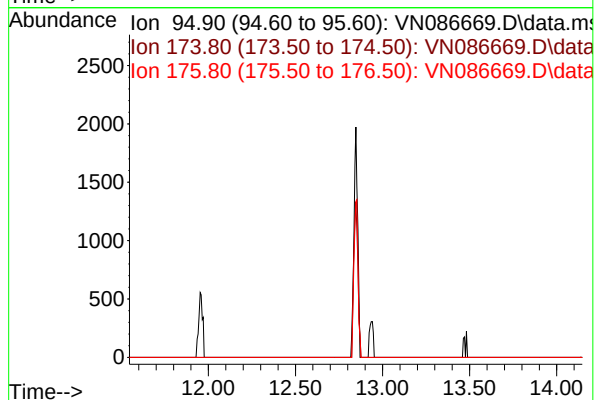
Lab File: VN086669.D
Acq: 16 May 2025 16:31

Tgt Ion: 95
Sig Exp Ratio
95 100
174 72.7
176 68.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

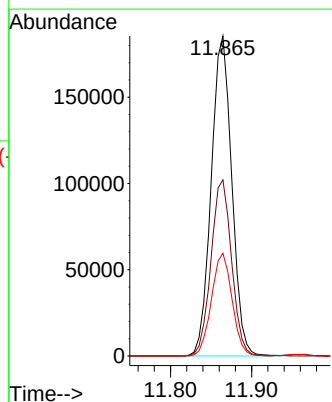
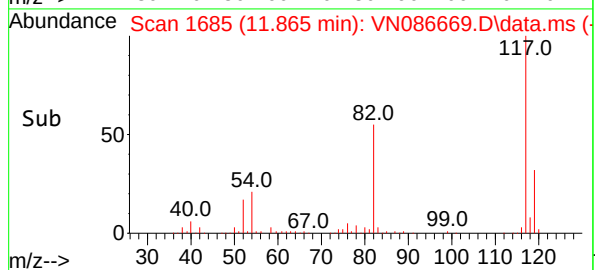
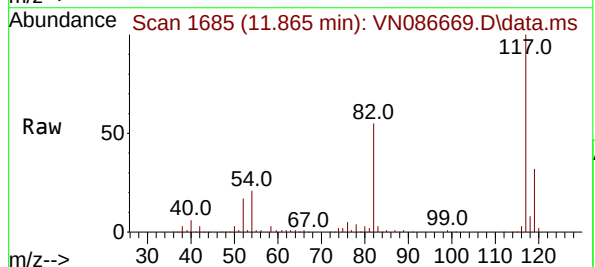
Manual Integrations
APPROVED

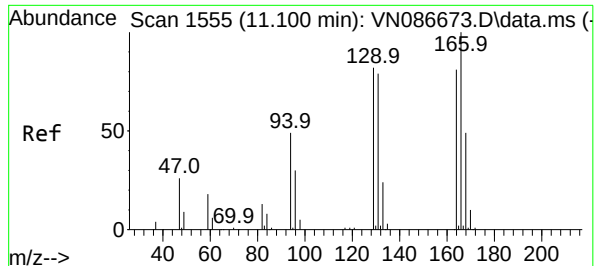
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

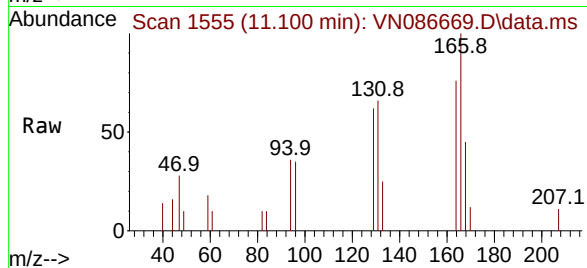
Tgt Ion:117 Resp: 326222
Ion Ratio Lower Upper
117 100
82 55.0 44.2 66.2
119 32.1 25.4 38.2





#64
Tetrachloroethene
Concen: 0.929 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

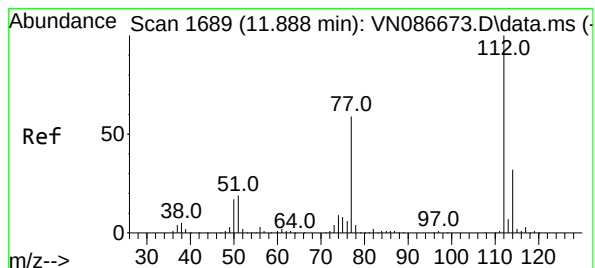
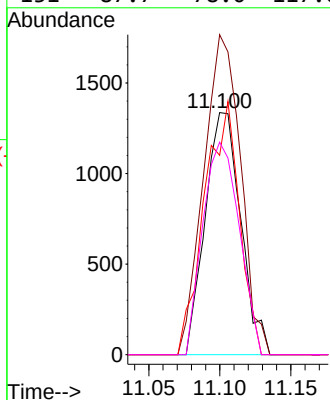
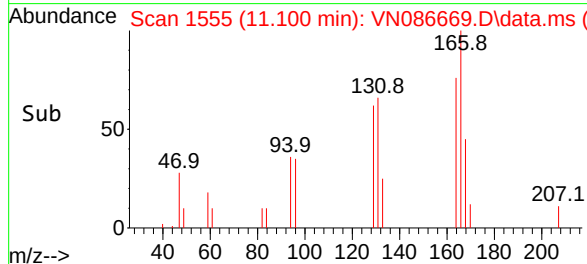
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



Tgt Ion:164 Resp: 2329
Ion Ratio Lower Upper
164 100
166 132.2 98.2 147.4
129 82.3 81.0 121.4
131 87.7 78.0 117.0

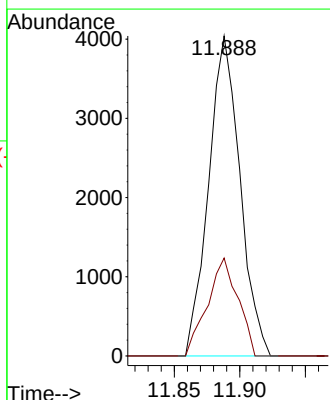
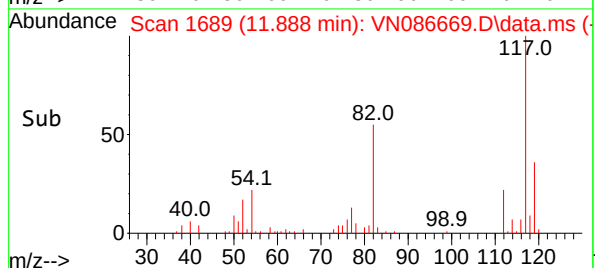
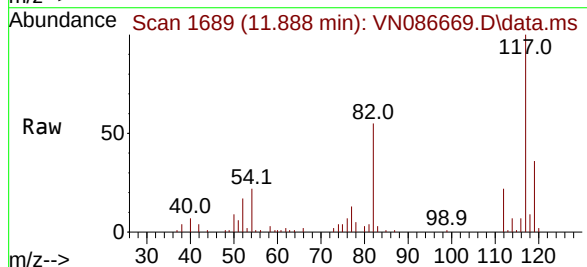
Manual Integrations
APPROVED

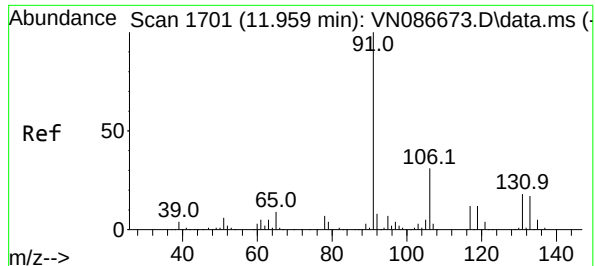
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#65
Chlorobenzene
Concen: 0.922 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

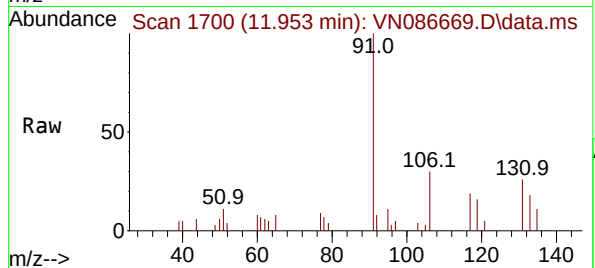
Tgt Ion:112 Resp: 6720
Ion Ratio Lower Upper
112 100
114 30.6 25.9 38.9





#66
1,1,1,2-Tetrachloroethane
Concen: 0.917 ug/l
RT: 11.953 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

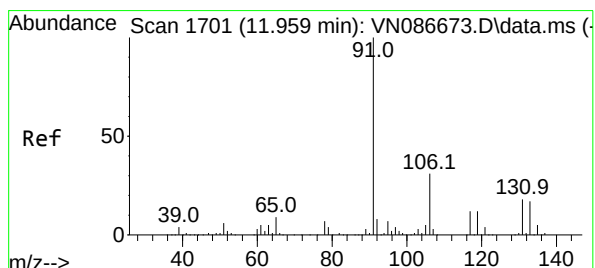
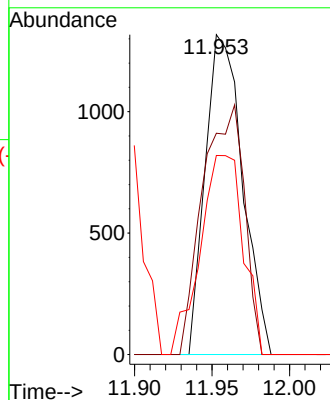
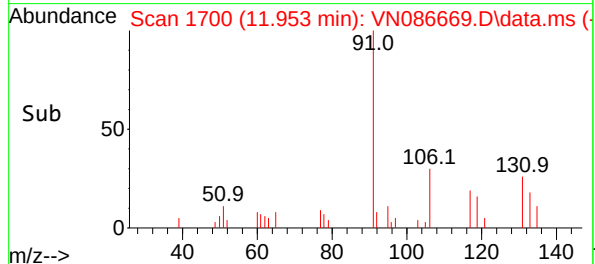
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion:131 Resp: 2204
Ion Ratio Lower Upper
131 100
133 86.8 47.9 143.7
119 0.0 33.6 100.8

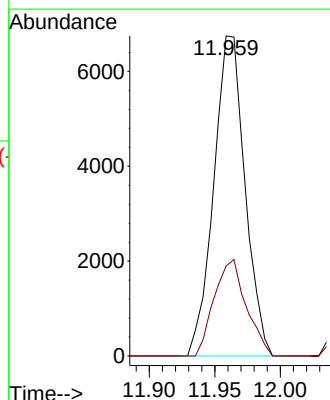
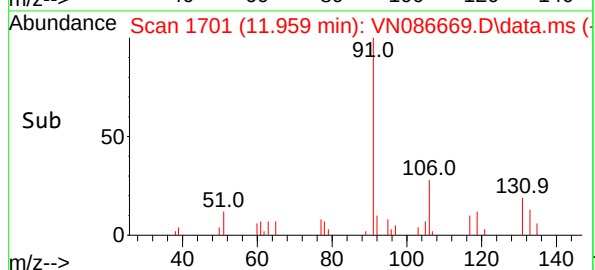
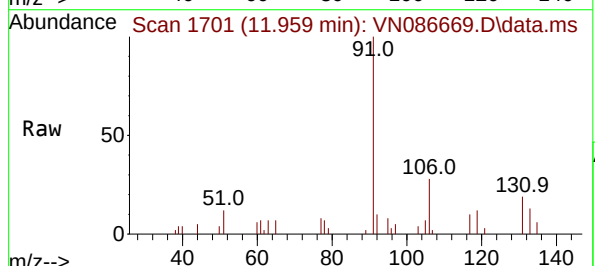
Manual Integrations
APPROVED

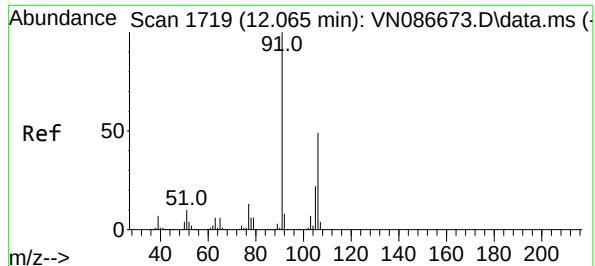
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#67
Ethyl Benzene
Concen: 0.855 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

Tgt Ion: 91 Resp: 11189
Ion Ratio Lower Upper
91 100
106 28.1 24.6 36.8





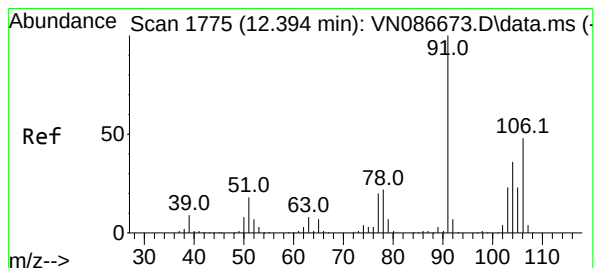
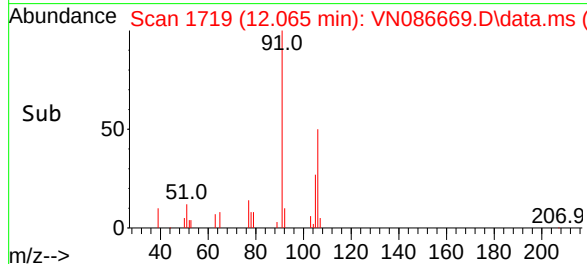
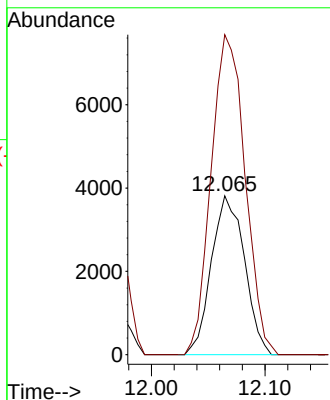
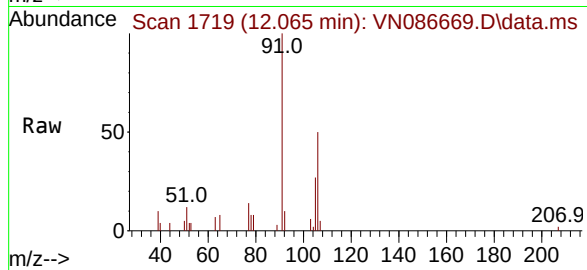
#68
m/p-Xylenes
Concen: 1.572 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion:106 Resp: 772
Ion Ratio Lower Upper
106 100
91 206.9 162.4 243.6

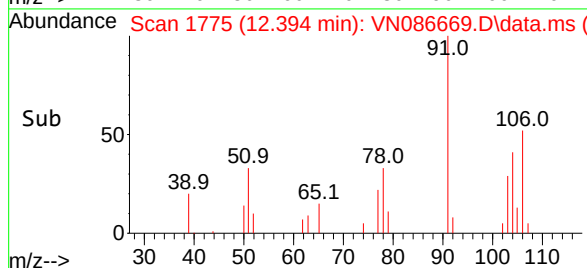
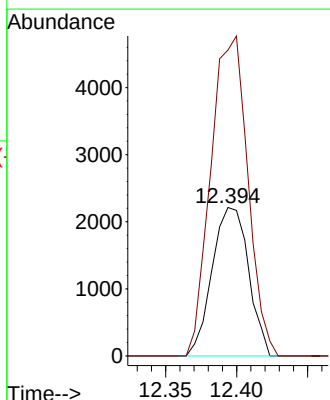
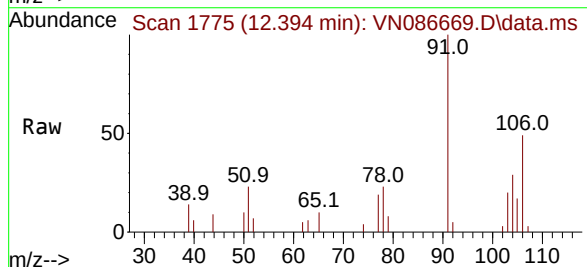
Manual Integrations
APPROVED

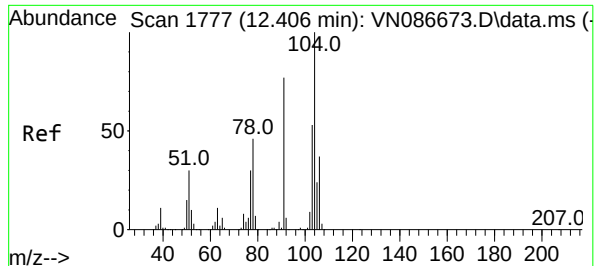
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#69
o-Xylene
Concen: 0.809 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

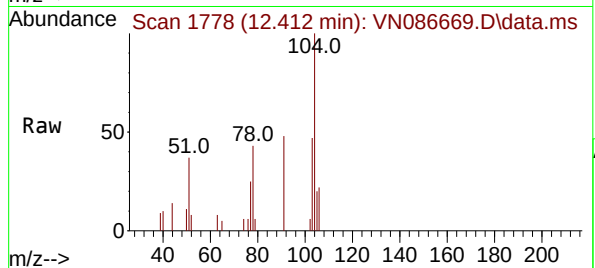
Tgt Ion:106 Resp: 3944
Ion Ratio Lower Upper
106 100
91 218.7 105.1 315.1





#70
Styrene
Concen: 0.767 ug/l
RT: 12.412 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

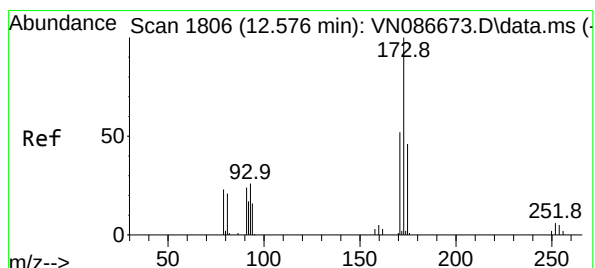
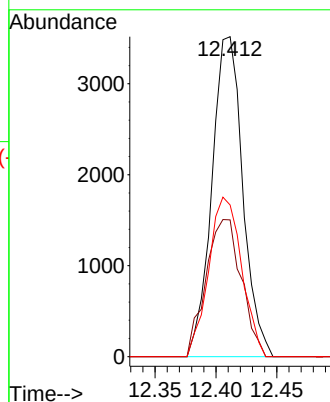
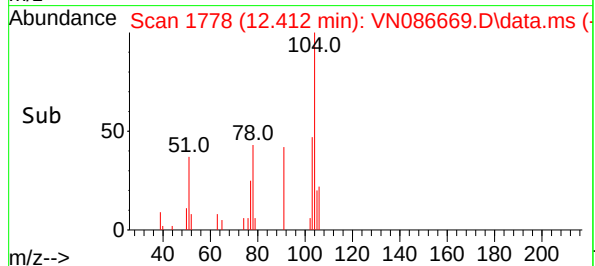
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



Tgt Ion:104 Resp: 6208
Ion Ratio Lower Upper
104 100
78 49.1 39.0 58.6
103 53.1 43.8 65.8

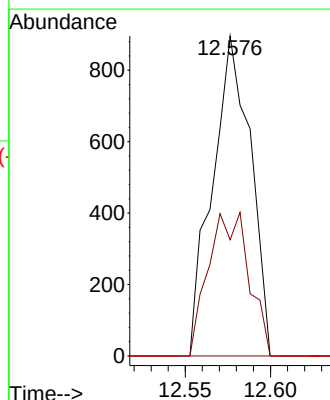
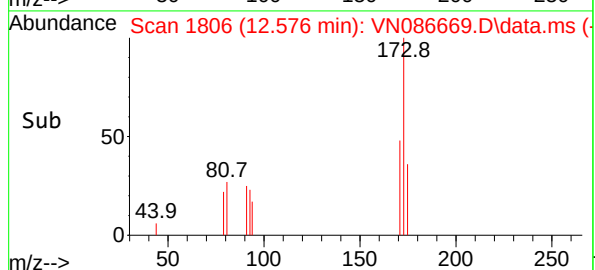
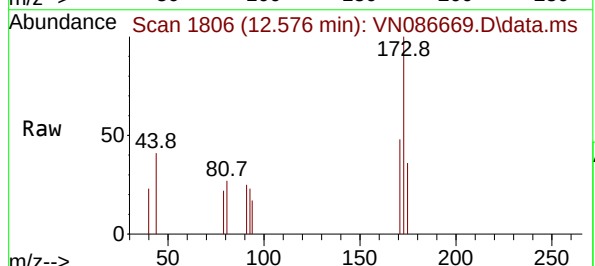
Manual Integrations
APPROVED

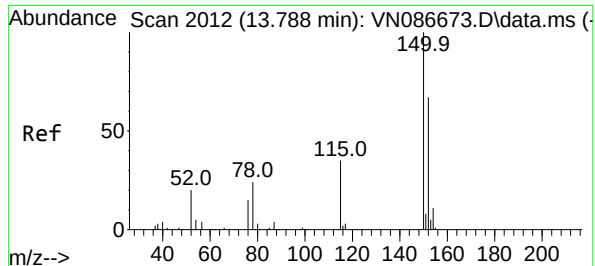
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#71
Bromoform
Concen: 0.771 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

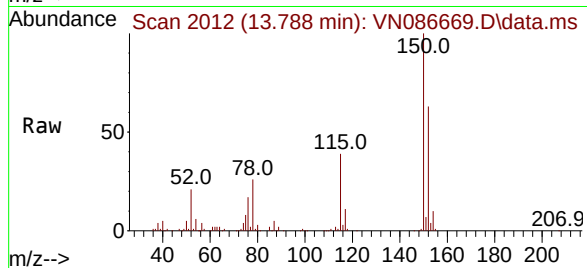
Tgt Ion:173 Resp: 1394
Ion Ratio Lower Upper
173 100
175 47.7 23.4 70.2
254 0.0 0.0 0.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

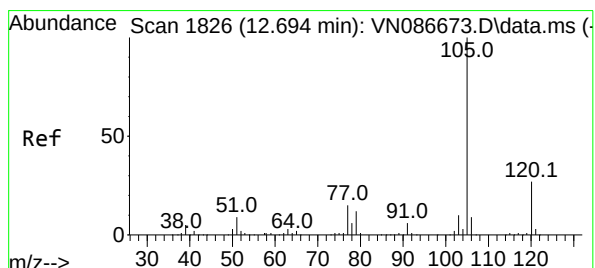
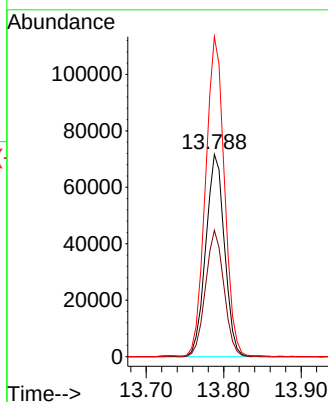
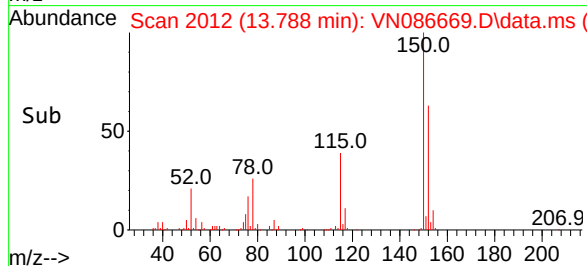
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



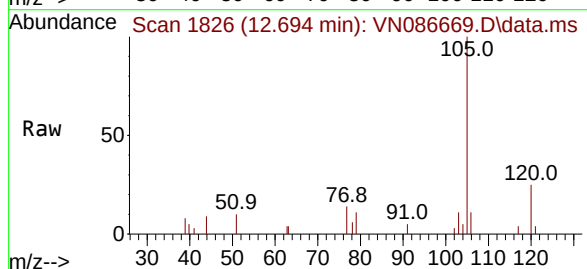
Tgt Ion:152 Resp: 120460
Ion Ratio Lower Upper
152 100
115 61.3 30.0 90.1
150 159.6 0.0 347.8

Manual Integrations
APPROVED

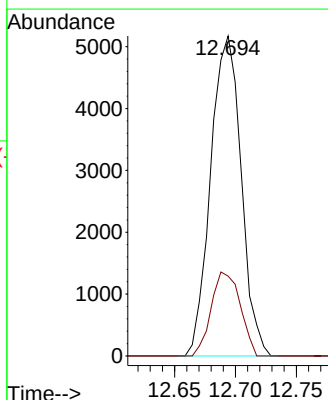
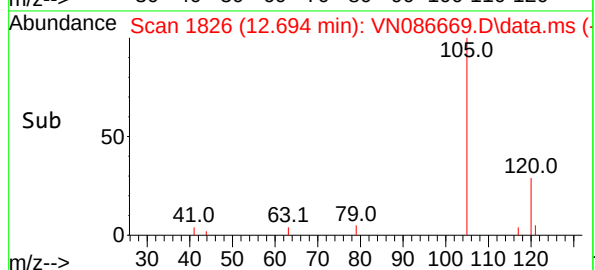
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

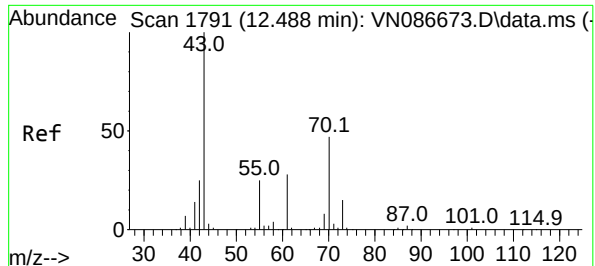


#73
Isopropylbenzene
Concen: 0.921 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31



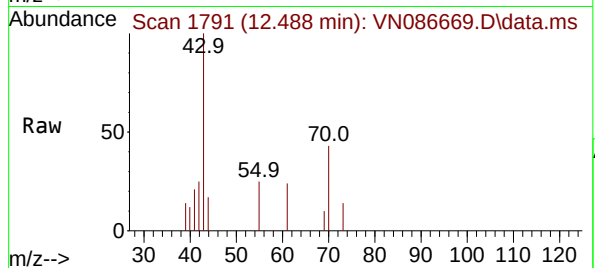
Tgt Ion:105 Resp: 9008
Ion Ratio Lower Upper
105 100
120 24.9 13.4 40.1





#74
N-amy1 acetate
Concen: 0.762 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

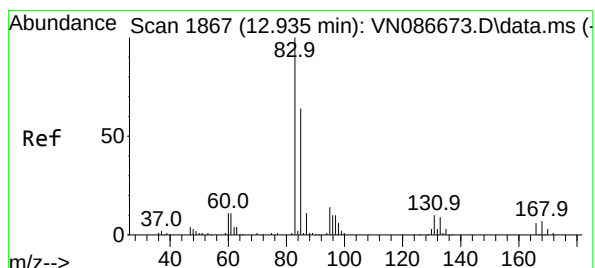
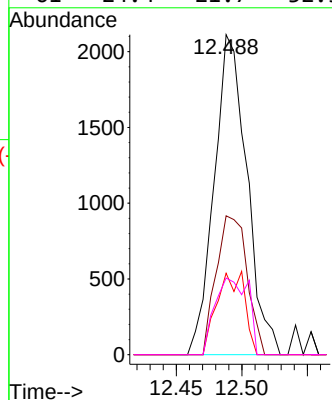
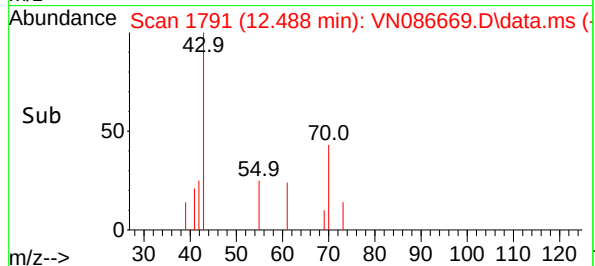
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



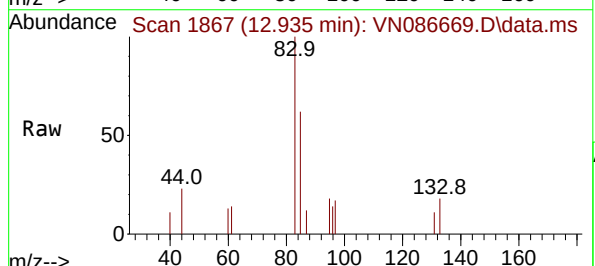
Tgt Ion: 43 Resp: 365
Ion Ratio Lower Upper
43 100
70 41.0 37.9 56.9
55 21.9 20.5 30.7
61 24.4 21.7 32.5

Manual Integrations
APPROVED

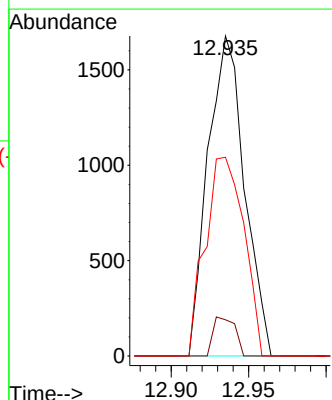
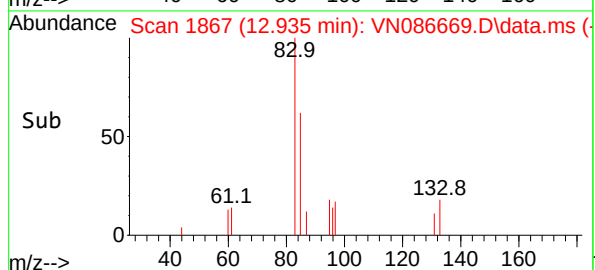
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

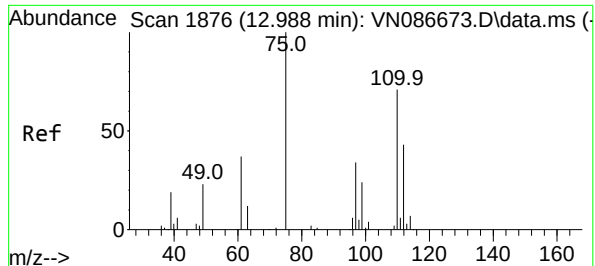


#75
1,1,2,2-Tetrachloroethane
Concen: 0.969 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31



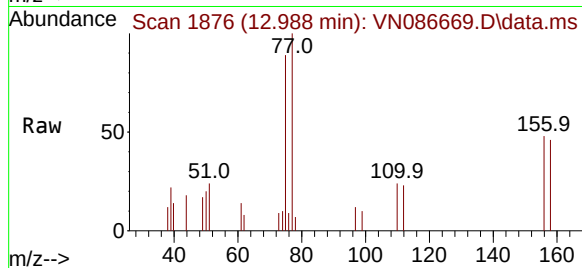
Tgt Ion: 83 Resp: 2752
Ion Ratio Lower Upper
83 100
131 7.2 5.0 15.0
85 65.6 32.4 97.2





#76
1,2,3-Trichloropropane
Concen: 0.972 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

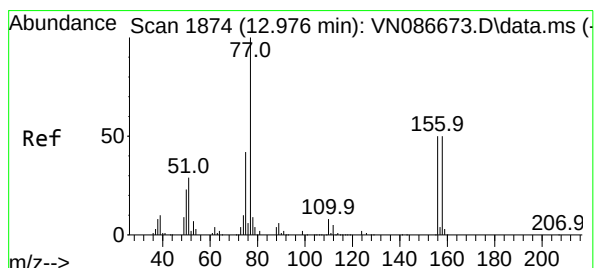
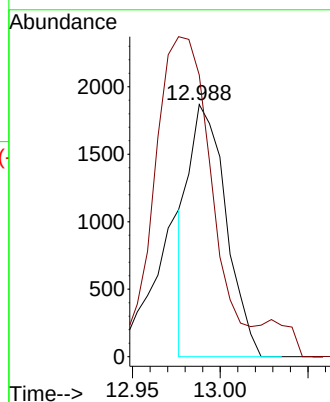
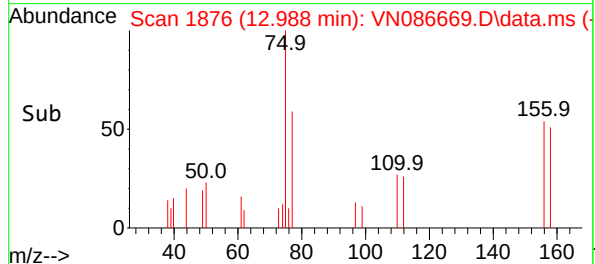
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



Tgt Ion: 75 Resp: 2750
Ion Ratio Lower Upper
75 100
77 193.4 96.0 288.1

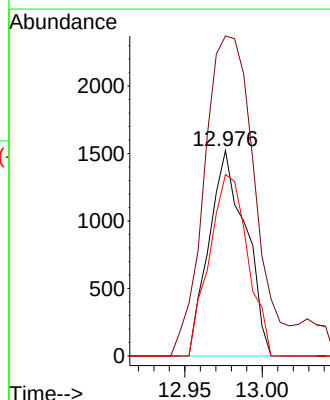
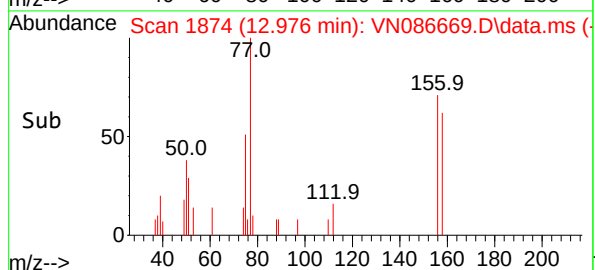
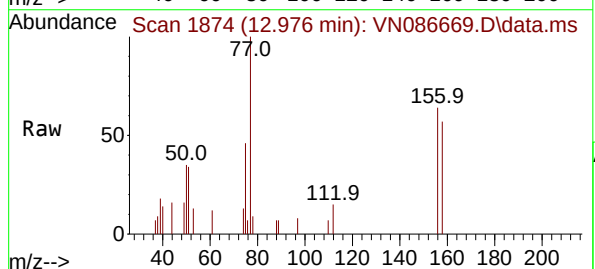
Manual Integrations
APPROVED

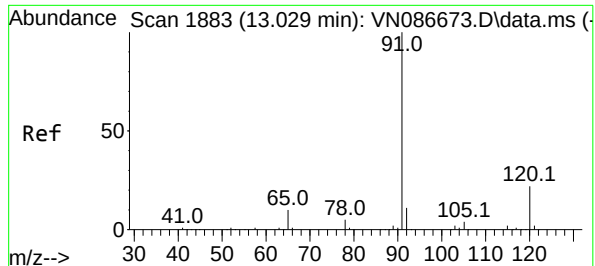
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#77
Bromobenzene
Concen: 1.142 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

Tgt Ion:156 Resp: 2503
Ion Ratio Lower Upper
156 100
77 212.9 113.1 339.2
158 92.2 48.6 145.9





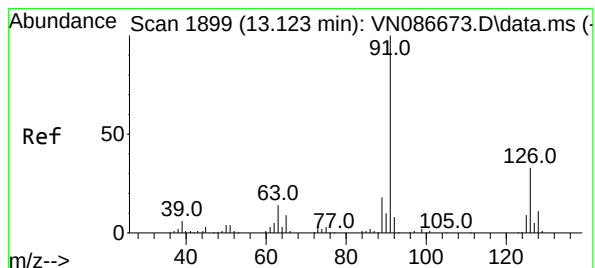
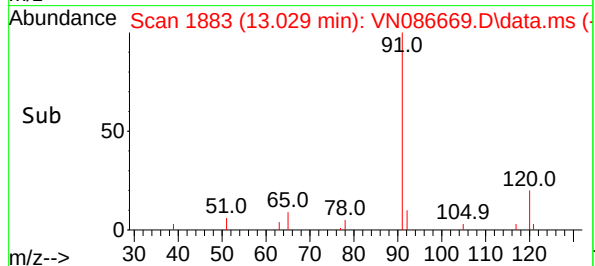
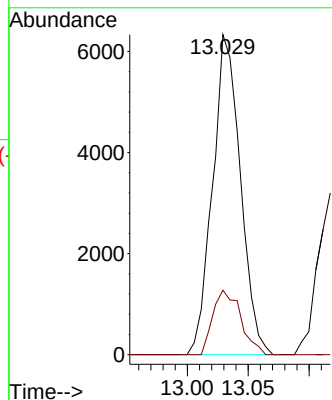
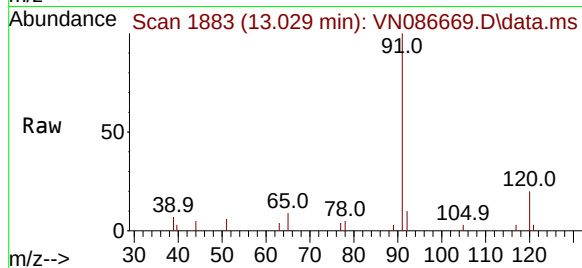
#78
n-propylbenzene
Concen: 0.875 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 1006
Ion Ratio Lower Upper
91 100
120 20.2 11.4 34.1

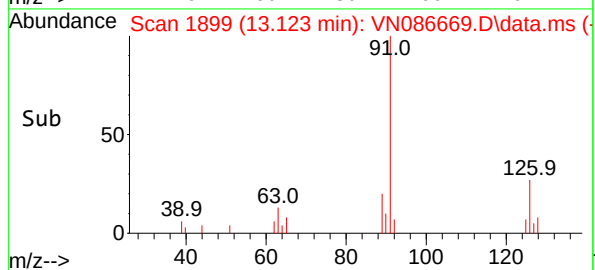
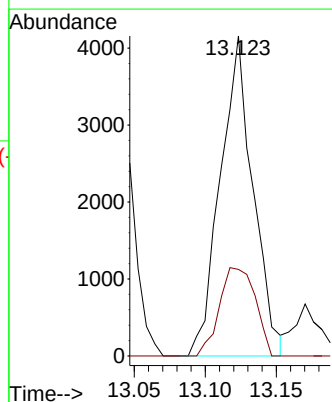
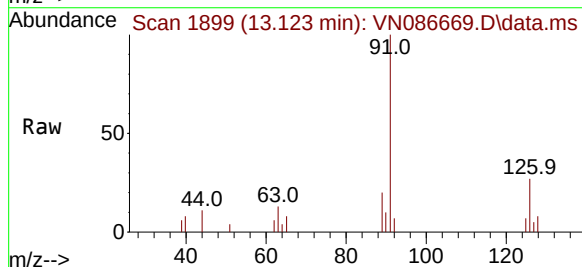
Manual Integrations
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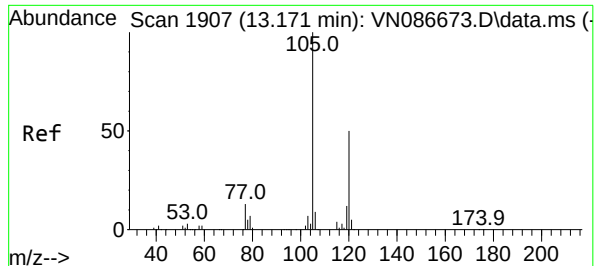
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#79
2-Chlorotoluene
Concen: 0.921 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

Tgt Ion: 91 Resp: 6658
Ion Ratio Lower Upper
91 100
126 30.3 16.6 49.7





#80

1,3,5-Trimethylbenzene

Concen: 0.851 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 681

Ion Ratio Lower Upper

105 100

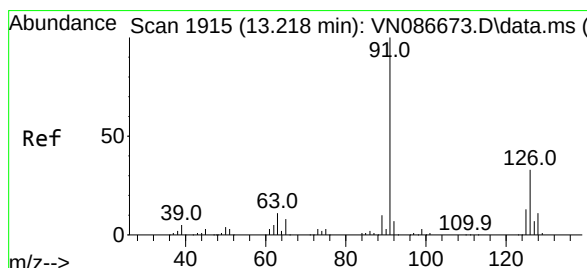
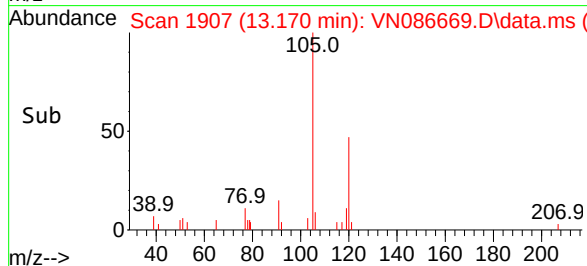
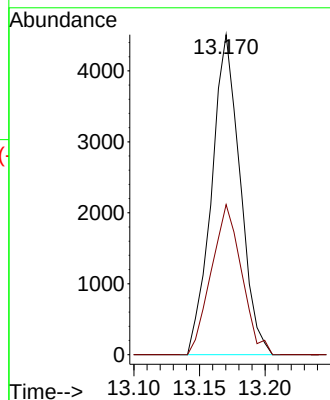
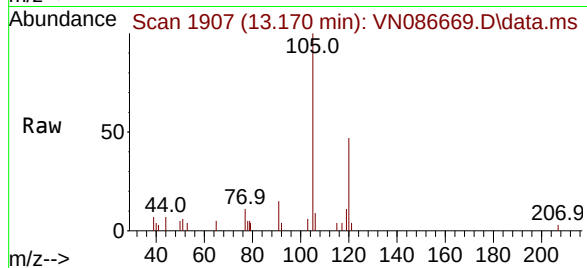
120 50.0 24.9 74.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#82

4-Chlorotoluene

Concen: 0.920 ug/l

RT: 13.217 min Scan# 1915

Delta R.T. -0.000 min

Lab File: VN086669.D

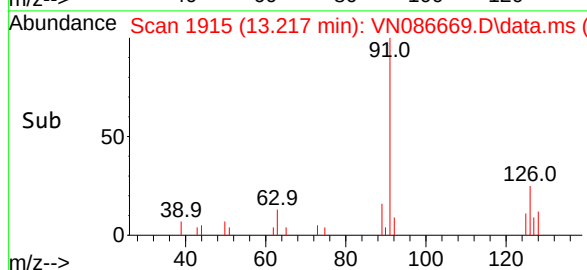
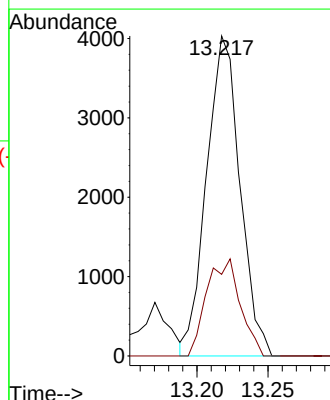
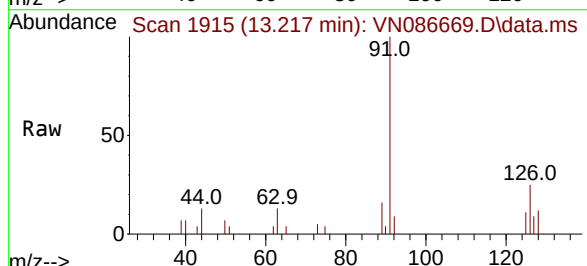
Acq: 16 May 2025 16:31

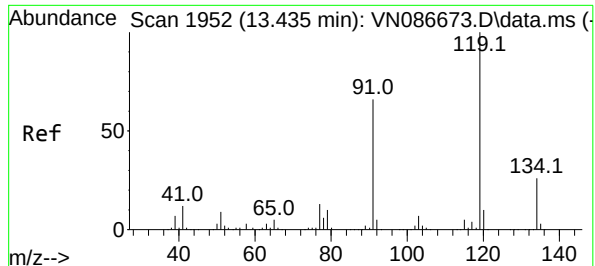
Tgt Ion: 91 Resp: 6587

Ion Ratio Lower Upper

91 100

126 30.5 17.0 50.9





#83

tert-Butylbenzene

Concen: 0.889 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

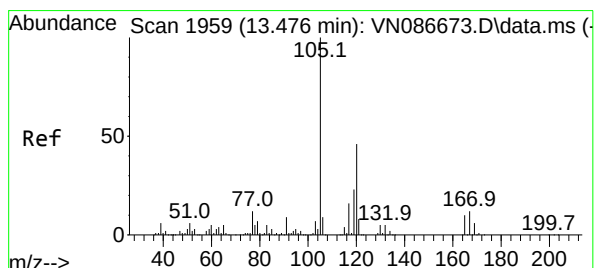
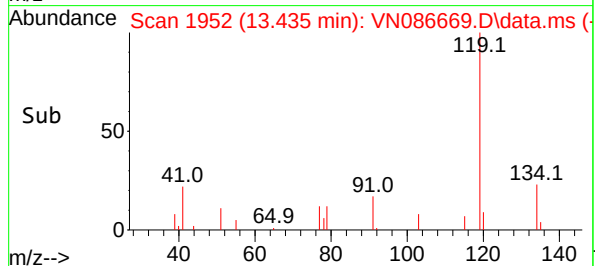
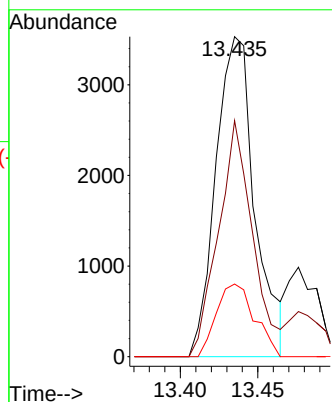
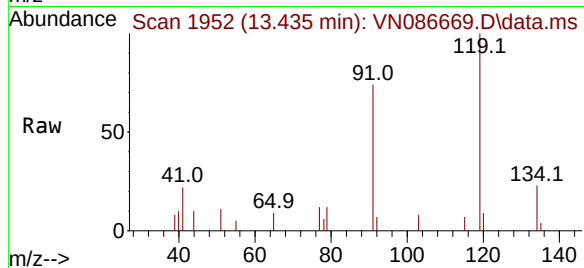
Tgt Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.9	98.7
134	22.3	13.4	40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#84

1,2,4-Trimethylbenzene

Concen: 0.807 ug/l

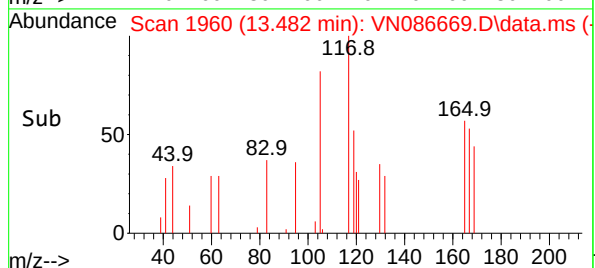
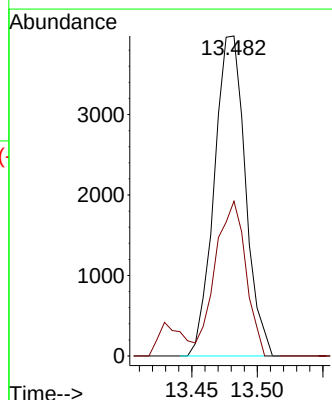
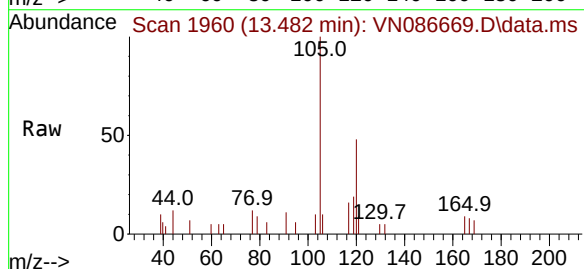
RT: 13.482 min Scan# 1960

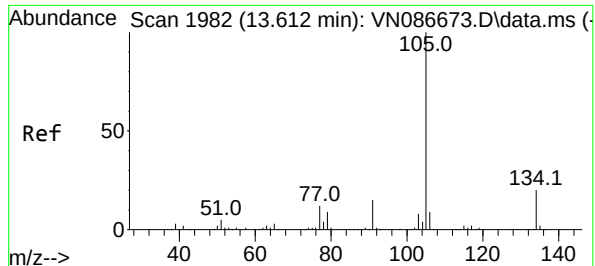
Delta R.T. 0.006 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

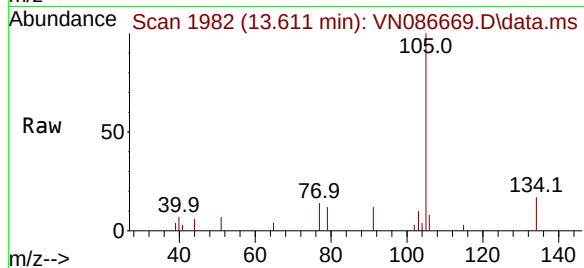
Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.2	69.6





#85
sec-Butylbenzene
Concen: 0.811 ug/l
RT: 13.611 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

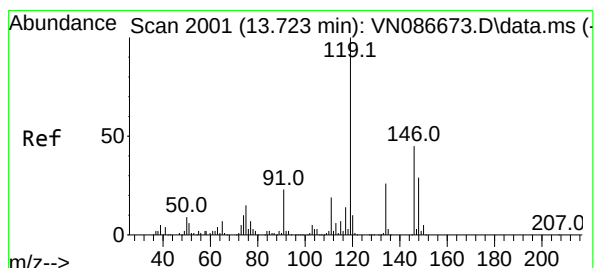
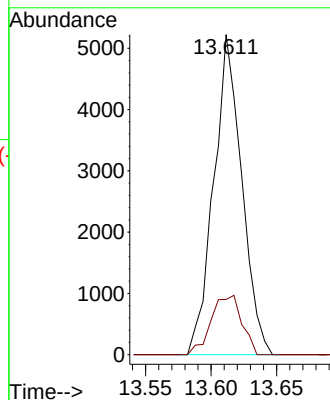
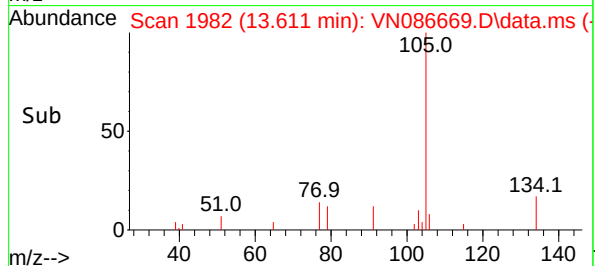
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



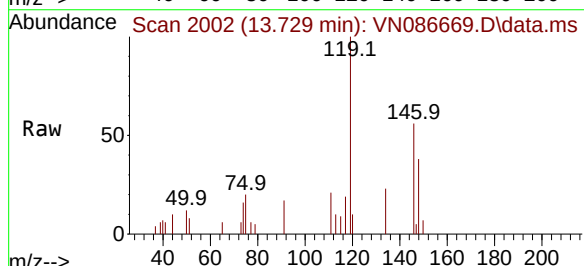
Tgt Ion:105 Resp: 7764
Ion Ratio Lower Upper
105 100
134 20.2 10.1 30.1

Manual Integrations
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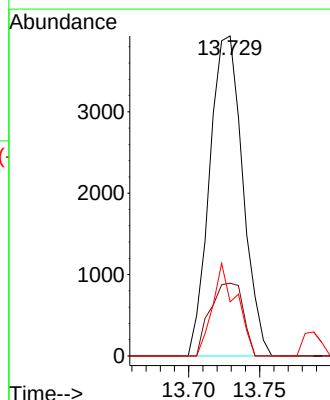
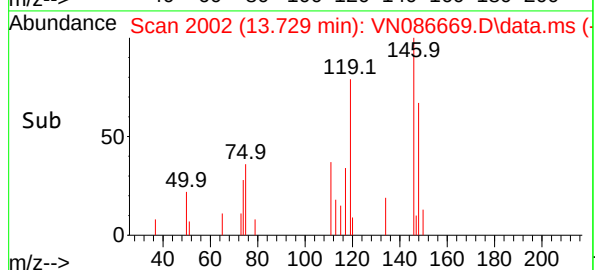
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

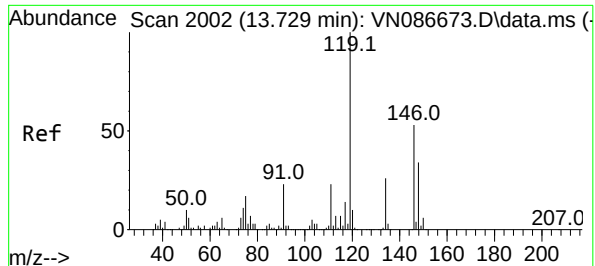


#86
p-Isopropyltoluene
Concen: 0.807 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31



Tgt Ion:119 Resp: 6368
Ion Ratio Lower Upper
119 100
134 22.6 13.1 39.1
91 20.9 11.5 34.5





#87

1,3-Dichlorobenzene

Concen: 0.951 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

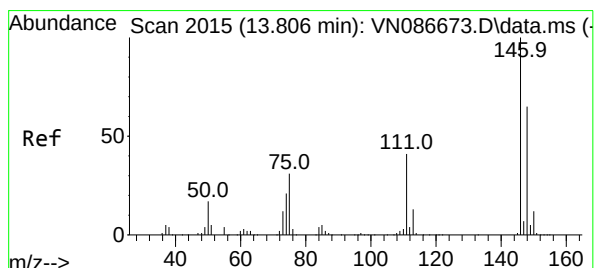
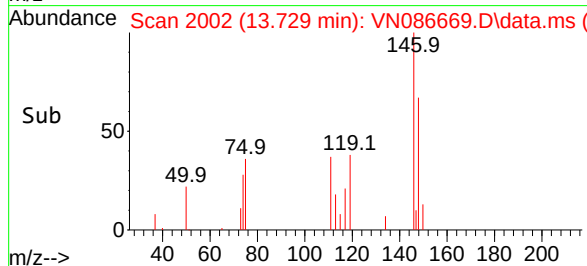
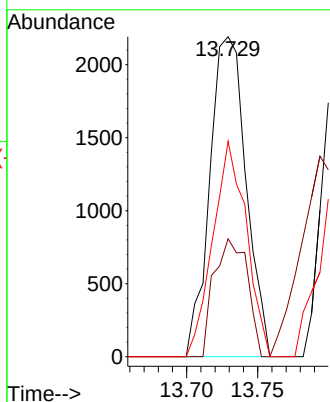
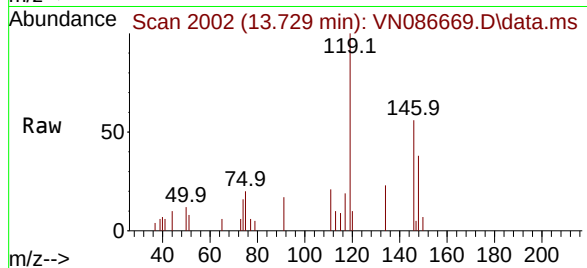
Tgt Ion:	146	Resp:	3900
Ion Ratio	Lower	Upper	
146	100		
111	33.6	20.9	62.7
148	62.0	31.8	95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#88

1,4-Dichlorobenzene

Concen: 0.928 ug/l m

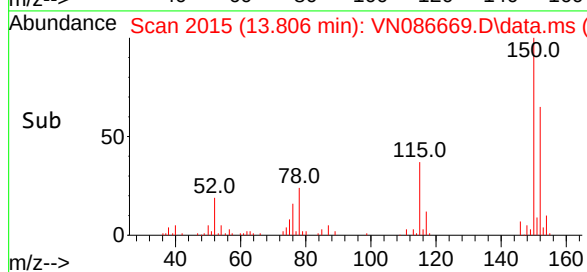
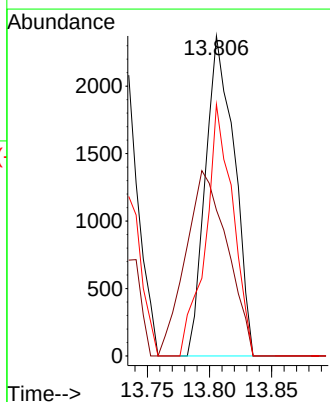
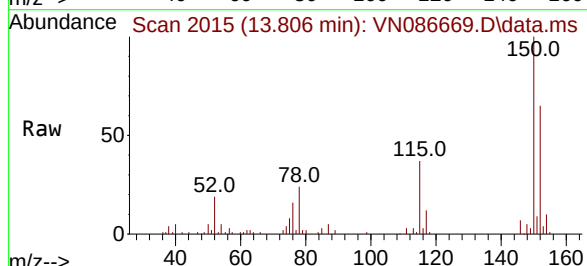
RT: 13.806 min Scan# 2015

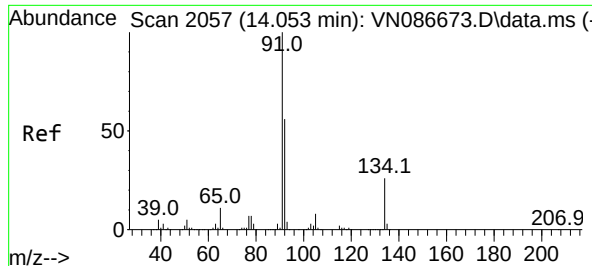
Delta R.T. -0.000 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Tgt Ion:	146	Resp:	3823
Ion Ratio	Lower	Upper	
146	100		
111	34.3	20.6	61.8
148	63.2	32.0	96.0





#89

n-Butylbenzene

Concen: 0.777 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

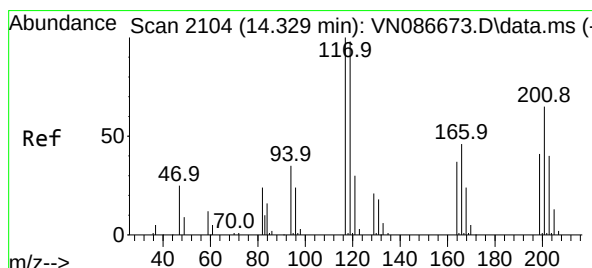
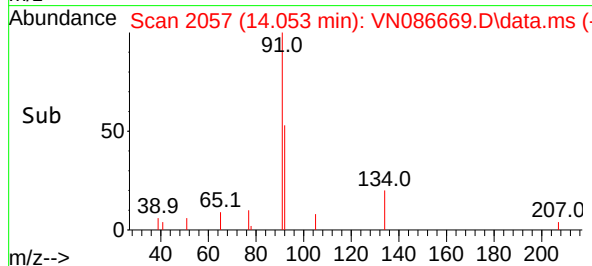
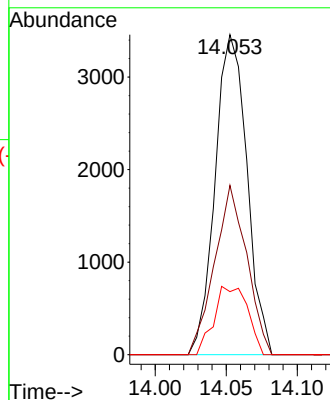
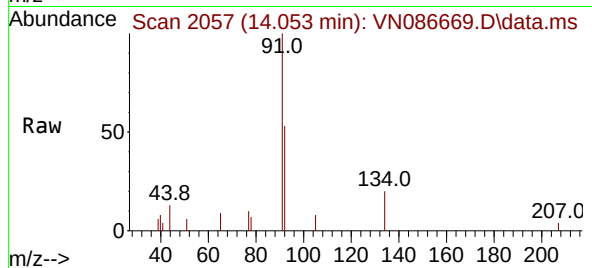
VSTDIC001

Tgt Ion:	91	Resp:	538
Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.4	82.0
134	22.6	12.8	38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#90

Hexachloroethane

Concen: 0.782 ug/l

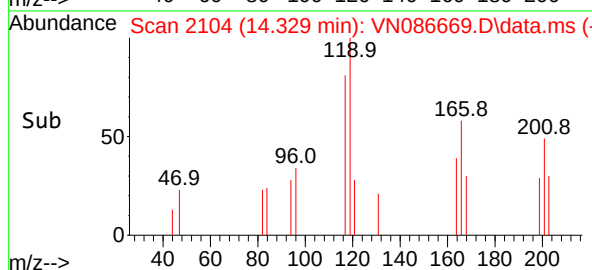
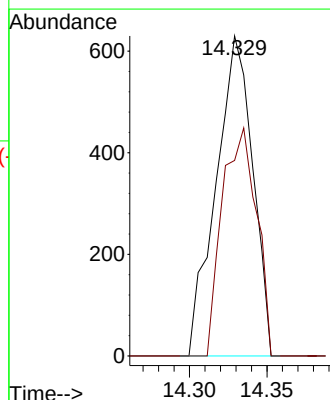
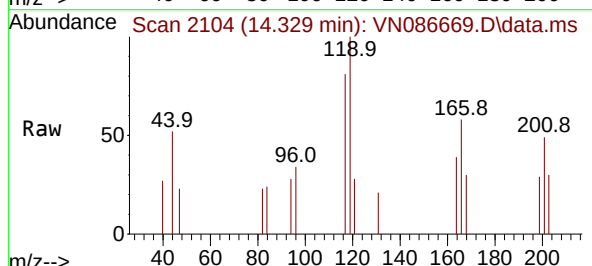
RT: 14.329 min Scan# 2104

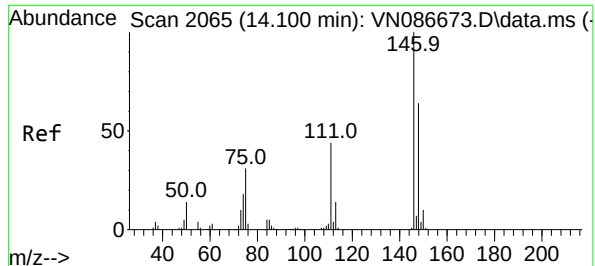
Delta R.T. -0.000 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

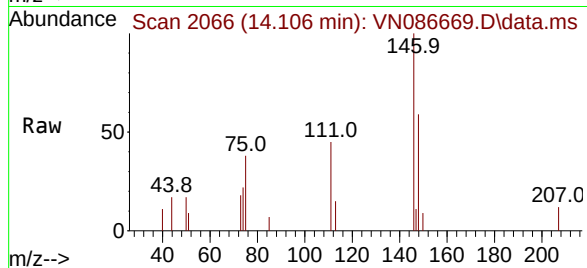
Tgt Ion:	117	Resp:	1038
Ion	Ratio	Lower	Upper
117	100		
201	66.6	32.0	96.0





#91
1,2-Dichlorobenzene
Concen: 0.954 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

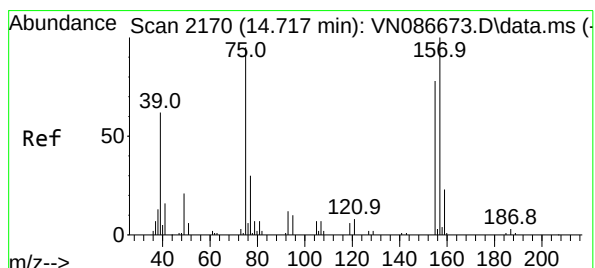
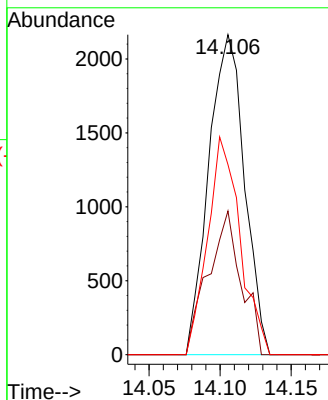
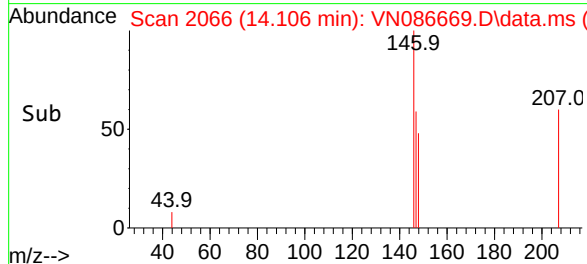
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion:146 Resp: 3792
Ion Ratio Lower Upper
146 100
111 41.7 21.6 65.0
148 61.8 31.7 95.1

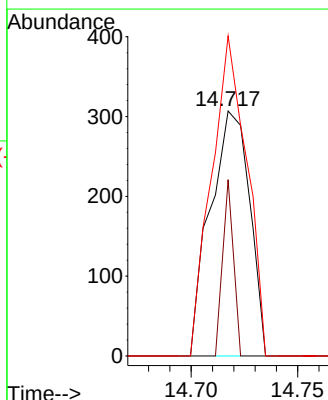
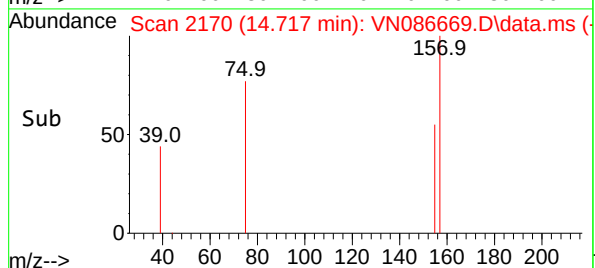
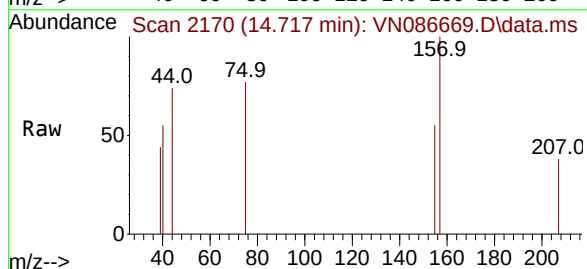
Manual Integrations
APPROVED

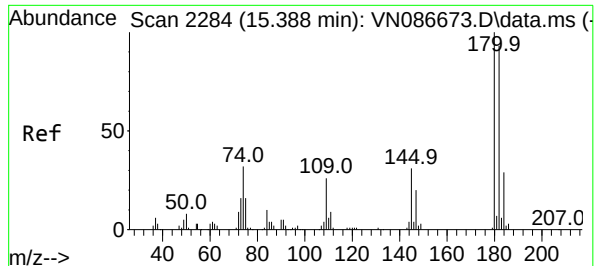
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.702 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086669.D
Acq: 16 May 2025 16:31

Tgt Ion: 75 Resp: 395
Ion Ratio Lower Upper
75 100
155 19.7 40.5 121.5#
157 116.7 53.6 160.8





#93

1,2,4-Trichlorobenzene

Concen: 0.741 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.006 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

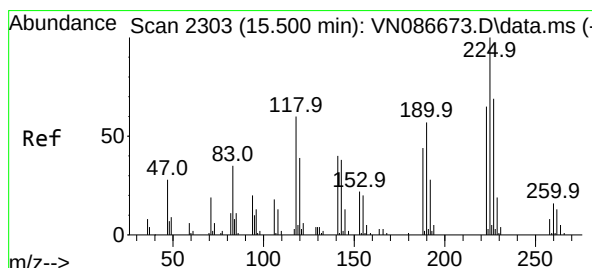
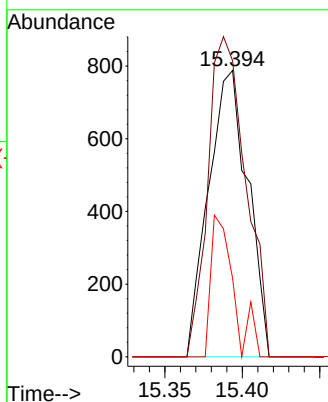
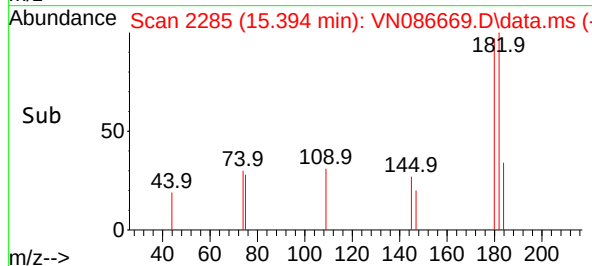
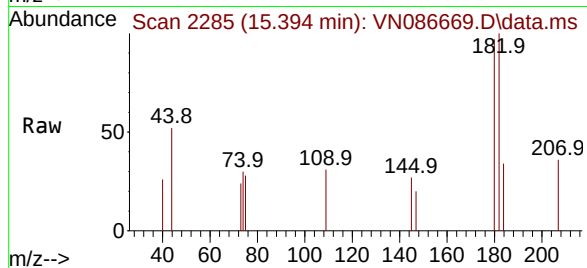
Tgt Ion:	180	Resp:	1389
Ion Ratio	Lower	Upper	
180	100		
182	107.8	47.1	141.3
145	28.1	15.6	46.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#94

Hexachlorobutadiene

Concen: 1.056 ug/l

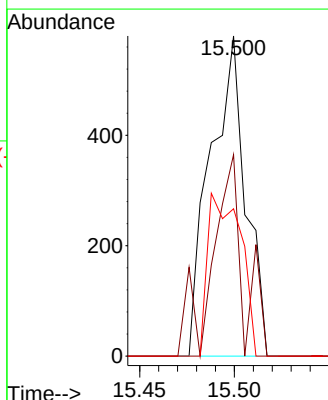
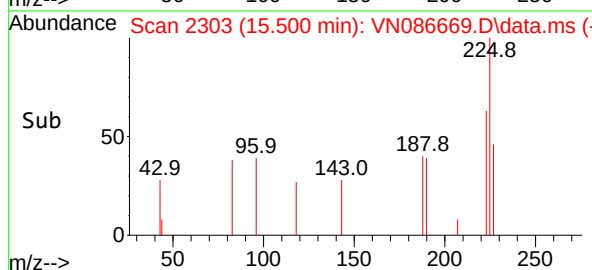
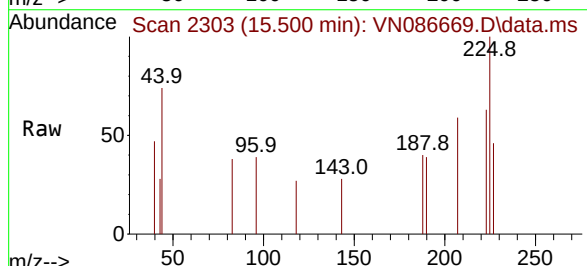
RT: 15.500 min Scan# 2303

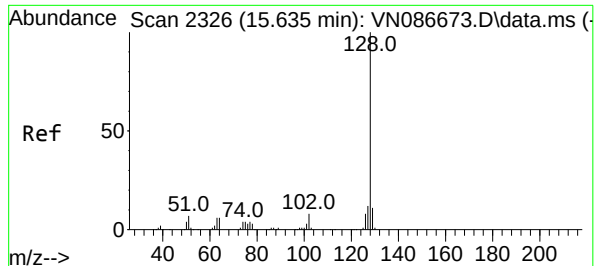
Delta R.T. -0.000 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Tgt Ion:	225	Resp:	752
Ion Ratio	Lower	Upper	
225	100		
223	54.9	32.9	98.6
227	47.5	32.4	97.2





#95

Naphthalene

Concen: 0.777 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.000 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

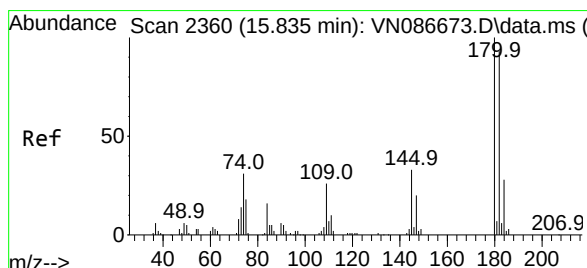
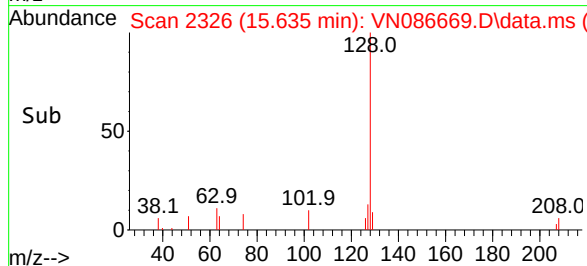
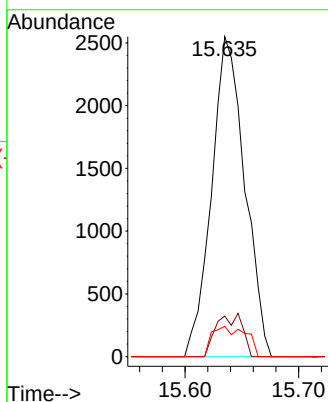
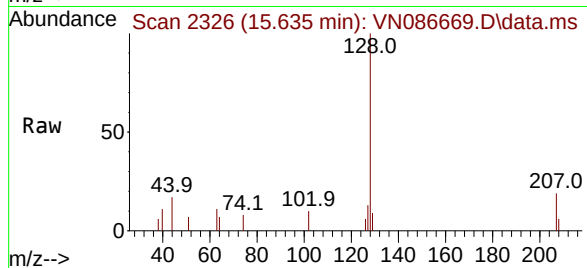
Tgt Ion:	128	Resp:	5170
Ion	Ratio	Lower	Upper
128	100		
127	10.5	10.1	15.1
129	9.6	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#96

1,2,3-Trichlorobenzene

Concen: 0.847 ug/l

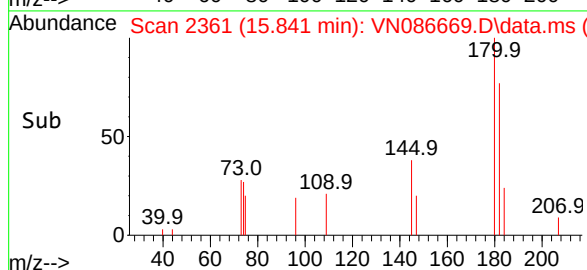
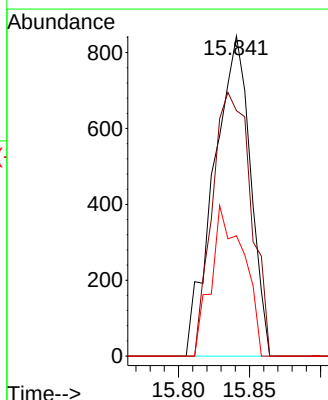
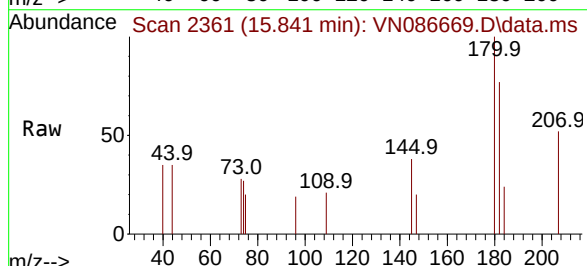
RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN086669.D

Acq: 16 May 2025 16:31

Tgt Ion:	180	Resp:	1509
Ion	Ratio	Lower	Upper
180	100		
182	87.2	47.0	141.2
145	42.1	16.7	50.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
 Data File : VN086670.D
 Acq On : 16 May 2025 16:55
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2025
 Supervised By : Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:12:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:09:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	199484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	363475	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	327745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	14329	4.989	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	9.980%#		
35) Dibromofluoromethane	8.159	113	10911	6.032	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	12.060%#		
50) Toluene-d8	10.565	98	43744	4.852	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.700%#		
62) 4-Bromofluorobenzene	12.847	95	14966	4.570	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.140%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	9487	4.002	ug/l	98
3) Chloromethane	2.359	50	15910	4.605	ug/l	93
4) Vinyl Chloride	2.512	62	14120	4.338	ug/l	91
5) Bromomethane	2.942	94	8815	5.827	ug/l	95
6) Chloroethane	3.118	64	9752	4.490	ug/l	94
7) Trichlorofluoromethane	3.494	101	17692	4.855	ug/l	94
8) Diethyl Ether	3.953	74	7321	4.643	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	10672	4.852	ug/l	98
10) Methyl Iodide	4.583	142	11863	4.827	ug/l	91
11) Tert butyl alcohol	5.524	59	12572	23.903	ug/l #	86
12) 1,1-Dichloroethene	4.341	96	11235	4.790	ug/l	93
13) Acrolein	4.177	56	14380	40.124	ug/l	97
14) Allyl chloride	5.024	41	16060	3.913	ug/l	98
15) Acrylonitrile	5.718	53	30877	23.738	ug/l	99
16) Acetone	4.424	43	25108	21.808	ug/l	94
17) Carbon Disulfide	4.712	76	29733	4.235	ug/l	99
18) Methyl Acetate	5.024	43	14135	4.165	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	37422	4.369	ug/l	96
20) Methylene Chloride	5.271	84	13630	5.082	ug/l	94
21) trans-1,2-Dichloroethene	5.788	96	11984	4.879	ug/l	90
22) Diisopropyl ether	6.665	45	38431	4.292	ug/l	97
23) Vinyl Acetate	6.600	43	136818m	21.613	ug/l	
24) 1,1-Dichloroethane	6.565	63	22481	4.714	ug/l	97
25) 2-Butanone	7.482	43	40273	22.565	ug/l	99
26) 2,2-Dichloropropane	7.488	77	18472	4.369	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	14376	4.720	ug/l	97
28) Bromochloromethane	7.812	49	10493	5.145	ug/l #	100
29) Tetrahydrofuran	7.841	42	25661	21.506	ug/l	100
30) Chloroform	7.959	83	22851	4.863	ug/l	98
31) Cyclohexane	8.253	56	22050	4.771	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	18669	4.640	ug/l	91
36) 1,1-Dichloropropene	8.365	75	15893	4.729	ug/l	99
37) Ethyl Acetate	7.559	43	16573m	4.689	ug/l	
38) Carbon Tetrachloride	8.359	117	15908	4.944	ug/l	90
39) Methylcyclohexane	9.600	83	16719	4.228	ug/l	91
40) Benzene	8.606	78	51932	4.814	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
 Data File : VN086670.D
 Acq On : 16 May 2025 16:55
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:12:55 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M

Quant Title : SW846 8260

QLast Update : Sat May 17 00:09:38 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	8791	4.338	ug/l	94
42) 1,2-Dichloroethane	8.665	62	16621	4.839	ug/l	99
43) Isopropyl Acetate	8.682	43	34745	4.117	ug/l #	91
44) Trichloroethene	9.353	130	12394	4.833	ug/l	92
45) 1,2-Dichloropropane	9.618	63	12252	4.665	ug/l	94
46) Dibromomethane	9.706	93	8214	4.876	ug/l	97
47) Bromodichloromethane	9.888	83	17028	4.689	ug/l	100
48) Methyl methacrylate	9.676	41	12296	4.016	ug/l	96
49) 1,4-Dioxane	9.688	88	5357	98.922	ug/l #	81
51) 4-Methyl-2-Pentanone	10.441	43	81358	22.646	ug/l	99
52) Toluene	10.629	92	32634	4.849	ug/l	97
53) t-1,3-Dichloropropene	10.829	75	17545	4.365	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	19516	4.414	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	12277	5.058	ug/l	94
56) Ethyl methacrylate	10.870	69	18350	4.144	ug/l	97
57) 1,3-Dichloropropane	11.159	76	21342	4.967	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	41611	20.009	ug/l	99
59) 2-Hexanone	11.194	43	57606	21.598	ug/l	98
60) Dibromochloromethane	11.359	129	12131	4.568	ug/l	100
61) 1,2-Dibromoethane	11.465	107	12079	4.917	ug/l	98
64) Tetrachloroethene	11.100	164	12989	5.155	ug/l	97
65) Chlorobenzene	11.888	112	36442	4.975	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	11341	4.696	ug/l	98
67) Ethyl Benzene	11.959	91	60213	4.582	ug/l	99
68) m/p-Xylenes	12.070	106	46152	9.352	ug/l	99
69) o-Xylene	12.394	106	22829	4.659	ug/l	100
70) Styrene	12.406	104	36686	4.513	ug/l	99
71) Bromoform	12.576	173	7950	4.376	ug/l #	98
73) Isopropylbenzene	12.694	105	53004	4.698	ug/l	99
74) N-amyl acetate	12.488	43	22422	4.051	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	17395	5.308	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	14523m	4.438	ug/l	
77) Bromobenzene	12.976	156	13253	5.241	ug/l	99
78) n-propylbenzene	13.029	91	59767	4.507	ug/l	99
79) 2-Chlorotoluene	13.123	91	40497	4.856	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	42383	4.589	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.729	75	5413	3.983	ug/l	92
82) 4-Chlorotoluene	13.217	91	38730	4.691	ug/l	99
83) tert-Butylbenzene	13.435	119	36669	4.577	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	41716	4.445	ug/l	98
85) sec-Butylbenzene	13.611	105	48868	4.426	ug/l	99
86) p-Isopropyltoluene	13.723	119	39399	4.330	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	23834	5.037	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	23246	4.889	ug/l	93
89) n-Butylbenzene	14.053	91	31605	3.957	ug/l	98
90) Hexachloroethane	14.329	117	6569	4.292	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	22033	4.803	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.711	75	2855	4.399	ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	8745	4.045	ug/l	98
94) Hexachlorobutadiene	15.494	225	3892	4.737	ug/l	94
95) Naphthalene	15.641	128	29507	3.845	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	8499	4.134	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086670.D
Acq On : 16 May 2025 16:55
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:12:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration

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

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

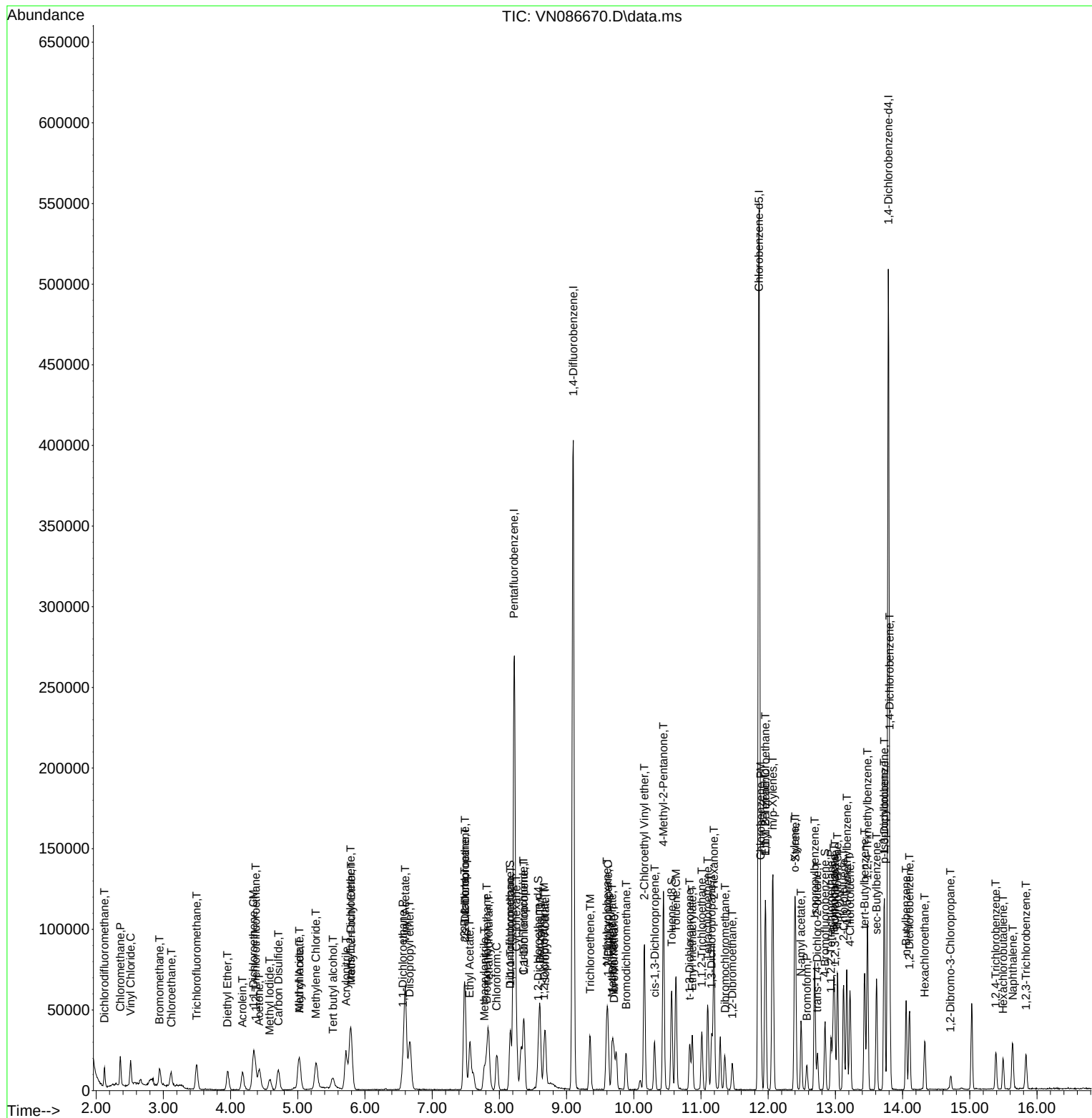
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\  
Data File : VN086670.D  
Acq On    : 16 May 2025  16:55  
Operator  : JC\MD  
Sample    : VSTDIC005  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 12   Sample Multiplier: 1
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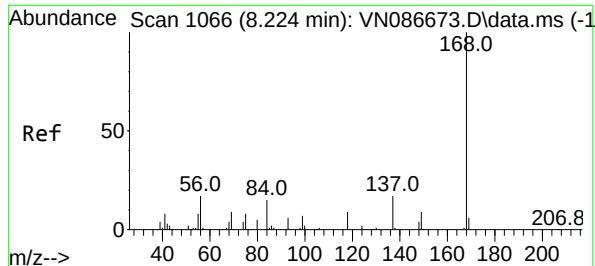
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

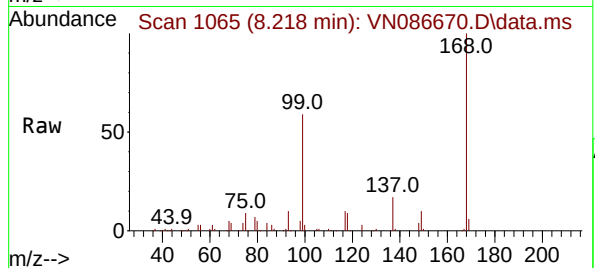
Quant Time: May 17 00:12:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

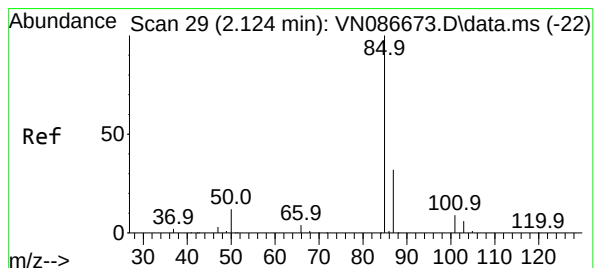
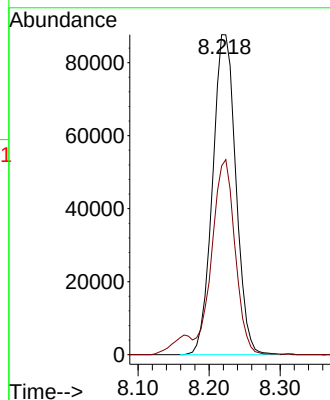
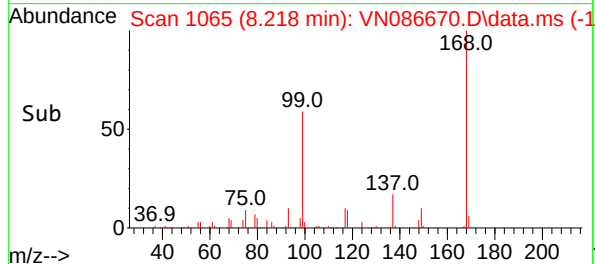
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:168 Resp: 199484
Ion Ratio Lower Upper
168 100
99 58.8 47.0 70.4

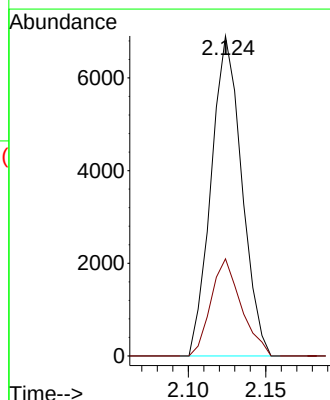
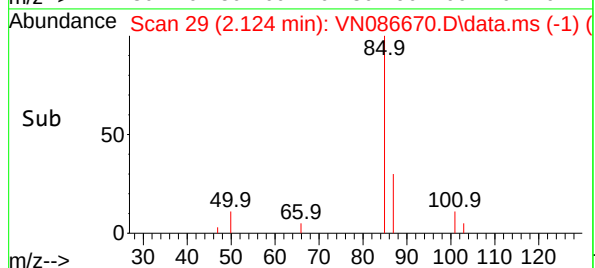
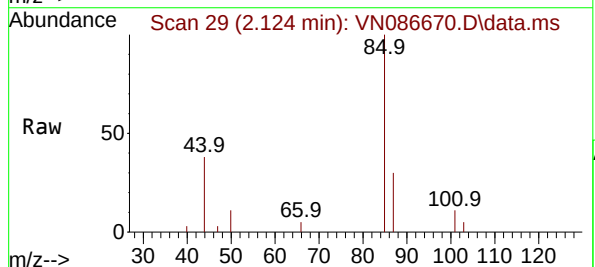
Manual Integrations
APPROVED

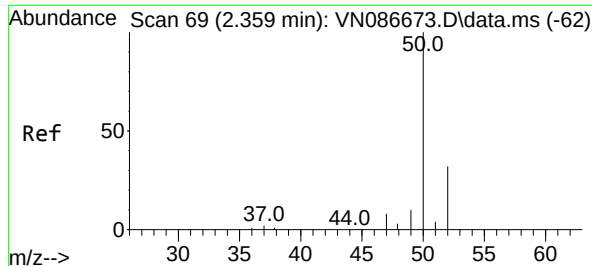
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#2
Dichlorodifluoromethane
Concen: 4.002 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Tgt Ion: 85 Resp: 9487
Ion Ratio Lower Upper
85 100
87 30.3 15.9 47.6





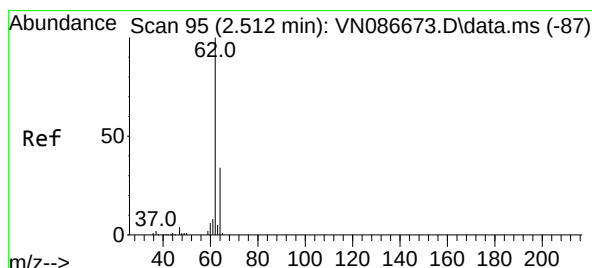
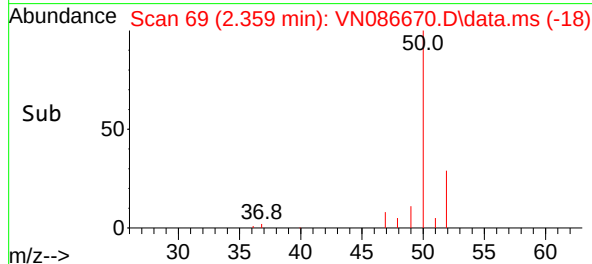
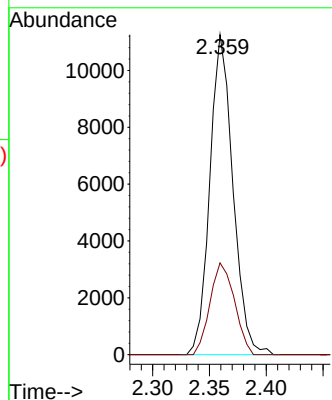
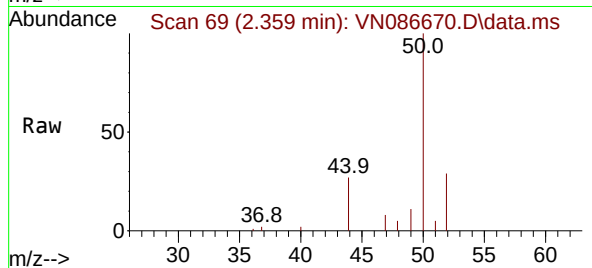
#3
Chloromethane
Concen: 4.605 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 15910
Ion Ratio Lower Upper
50 100
52 28.7 25.9 38.9

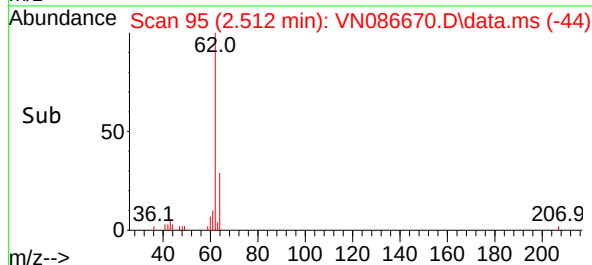
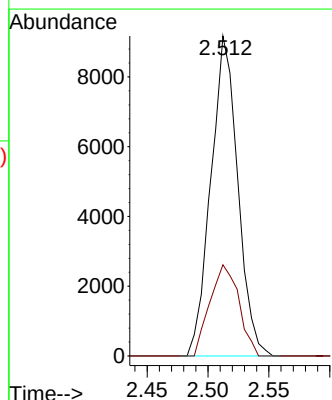
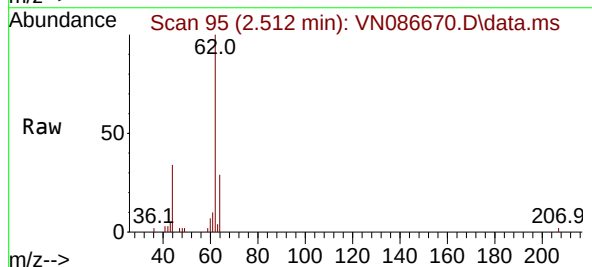
Manual Integrations
APPROVED

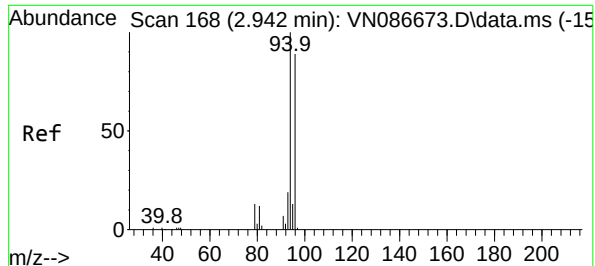
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#4
Vinyl Chloride
Concen: 4.338 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

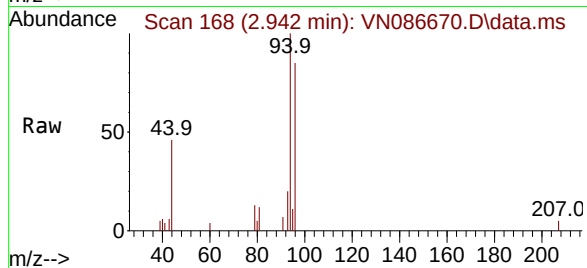
Tgt Ion: 62 Resp: 14120
Ion Ratio Lower Upper
62 100
64 28.5 26.9 40.3





#5
Bromomethane
Concen: 5.827 ug/l
RT: 2.942 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

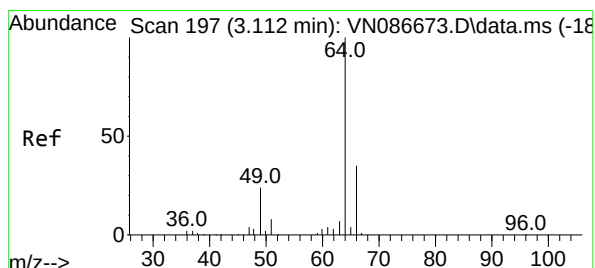
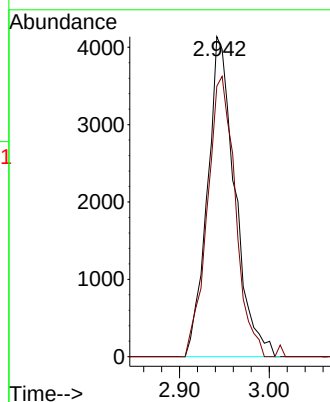
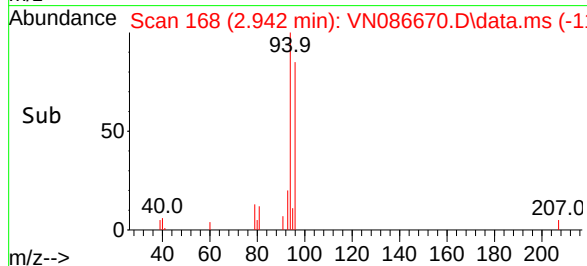
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 94 Resp: 881
Ion Ratio Lower Upper
94 100
96 84.6 71.2 106.8

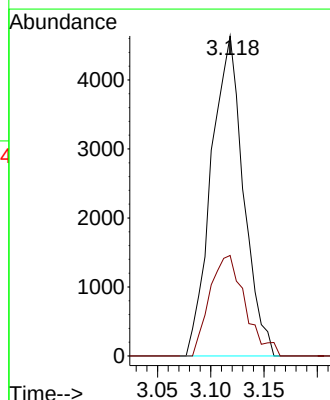
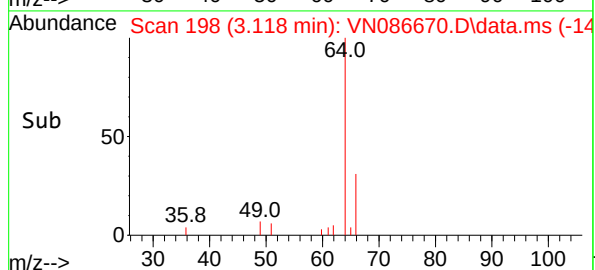
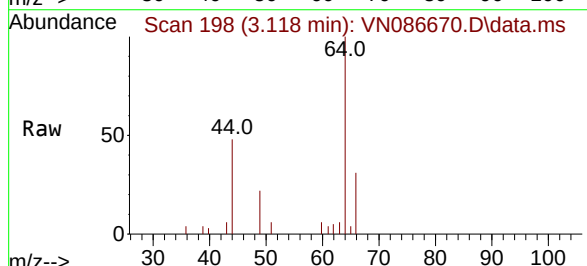
Manual Integrations
APPROVED

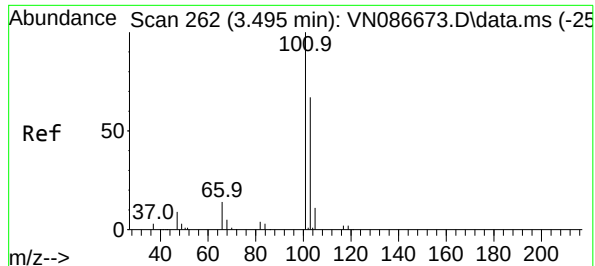
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#6
Chloroethane
Concen: 4.490 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Tgt Ion: 64 Resp: 9752
Ion Ratio Lower Upper
64 100
66 31.4 27.7 41.5





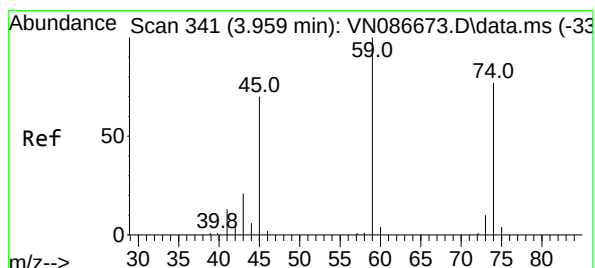
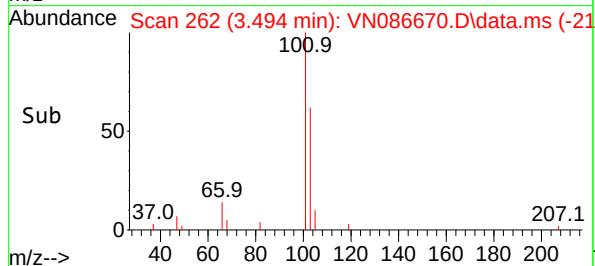
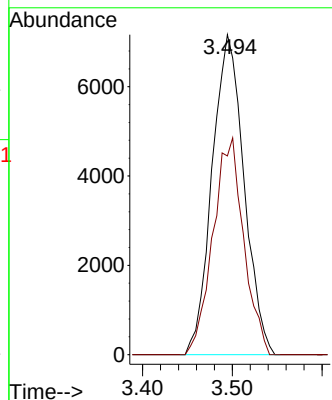
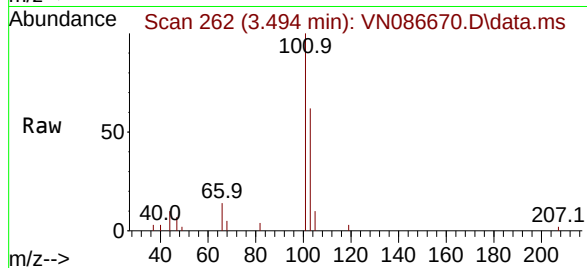
#7
Trichlorofluoromethane
Concen: 4.855 ug/l
RT: 3.494 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:101 Resp: 17692
Ion Ratio Lower Upper
101 100
103 62.1 53.4 80.0

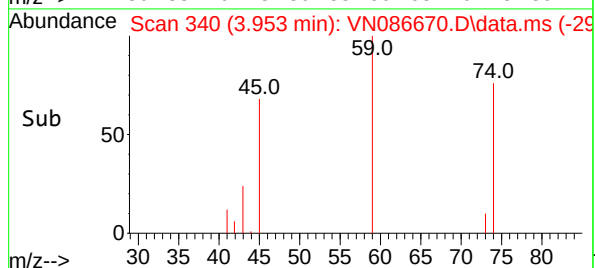
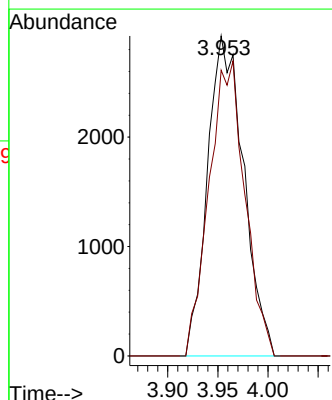
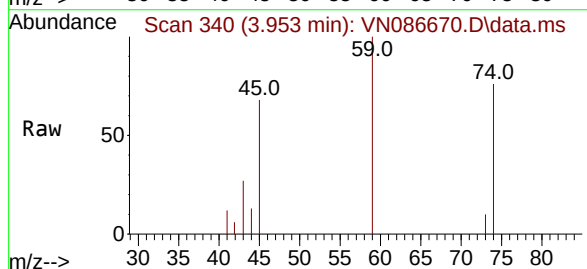
Manual Integrations
APPROVED

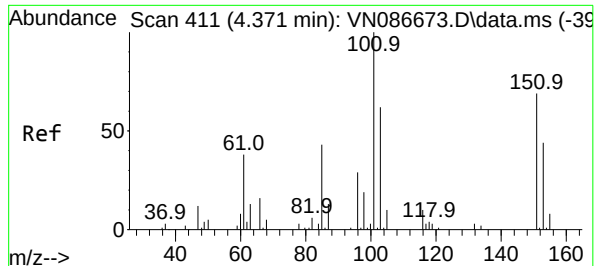
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#8
Diethyl Ether
Concen: 4.643 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Tgt Ion: 74 Resp: 7321
Ion Ratio Lower Upper
74 100
45 91.5 45.0 135.0





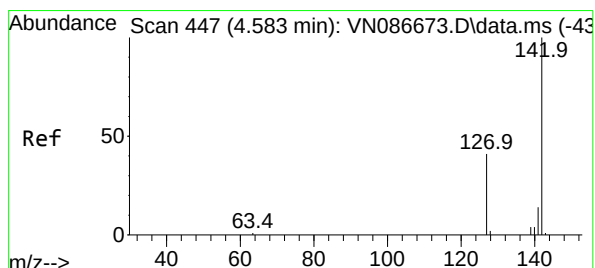
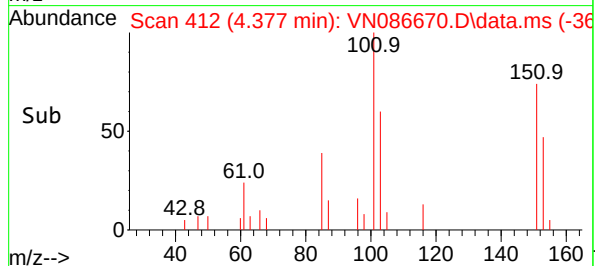
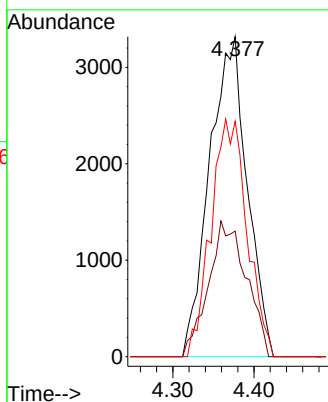
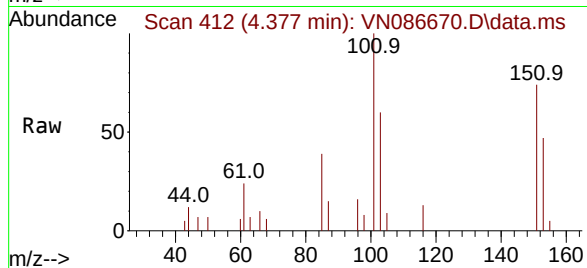
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.852 ug/l
RT: 4.377 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:101 Resp: 10672
Ion Ratio Lower Upper
101 100
85 42.6 35.0 52.6
151 71.2 58.1 87.1

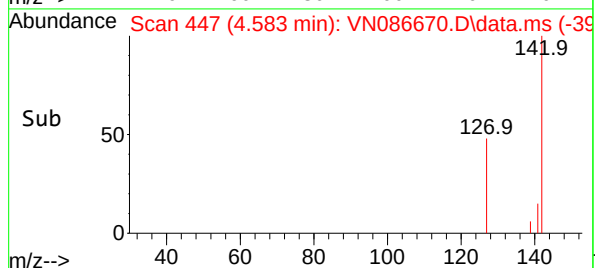
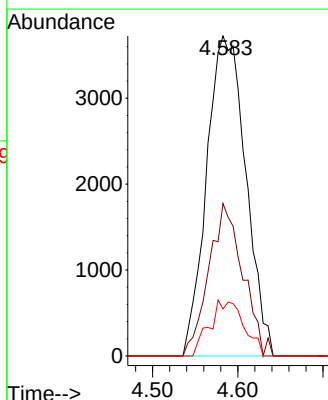
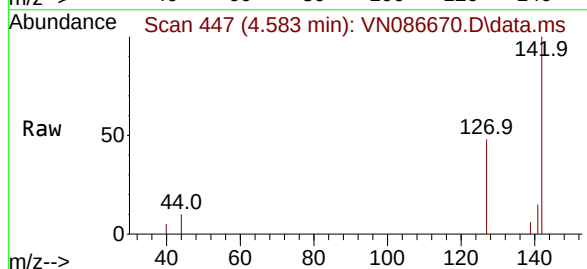
Manual Integrations
APPROVED

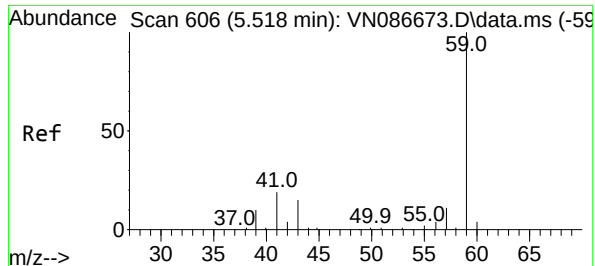
Reviewed By :John Carbone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#10
Methyl Iodide
Concen: 4.827 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Tgt Ion:142 Resp: 11863
Ion Ratio Lower Upper
142 100
127 47.6 32.4 48.6
141 14.7 11.4 17.2





#11

Tert butyl alcohol

Concen: 23.903 ug/l

RT: 5.524 min Scan# 606

Delta R.T. 0.006 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 1257

Ion Ratio Lower Upper

59 100

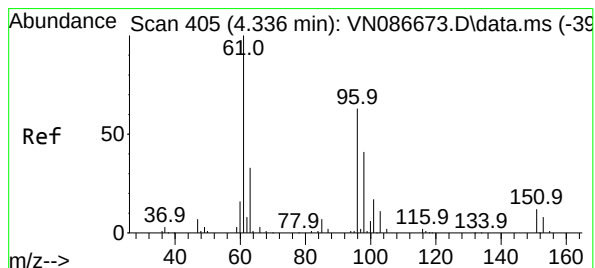
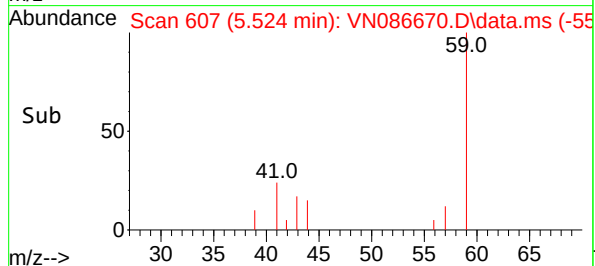
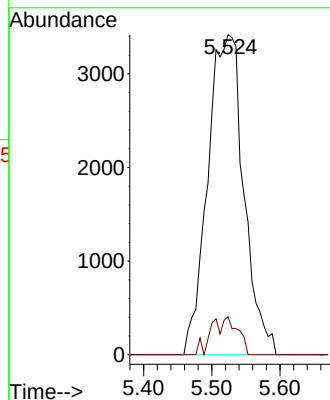
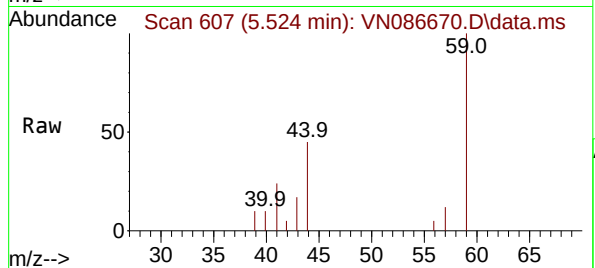
57 5.0 8.2 12.2

Manual Integrations

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Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#12

1,1-Dichloroethene

Concen: 4.790 ug/l

RT: 4.341 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

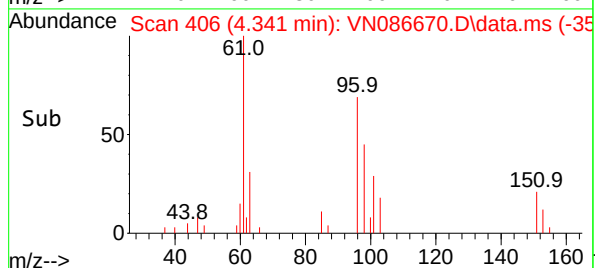
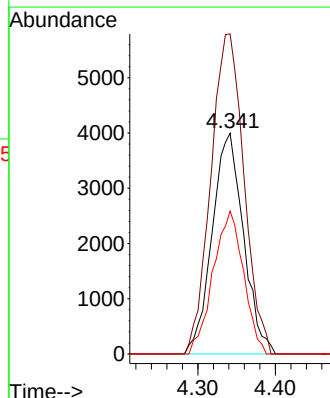
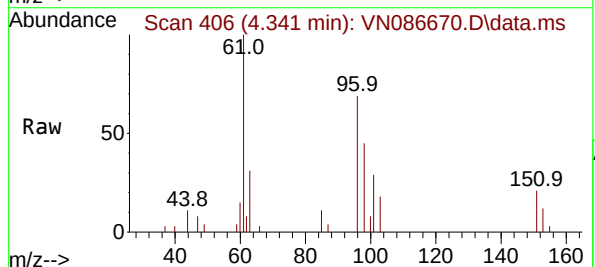
Tgt Ion: 96 Resp: 11235

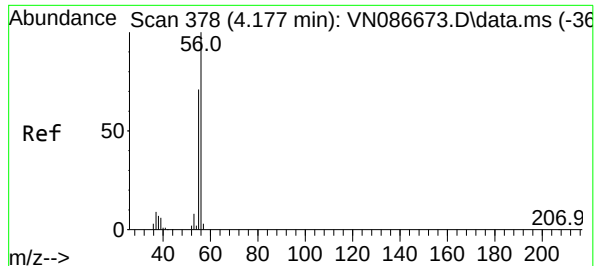
Ion Ratio Lower Upper

96 100

61 144.9 126.2 189.2

98 64.7 51.5 77.3





#13

Acrolein

Concen: 40.124 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 14380

Ion Ratio Lower Upper

56 100

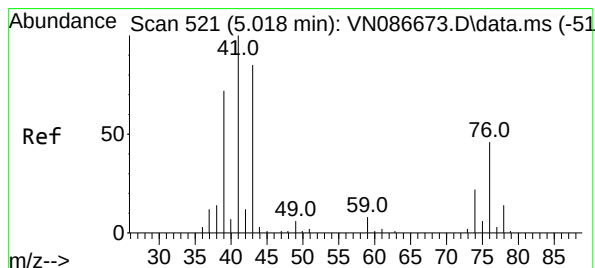
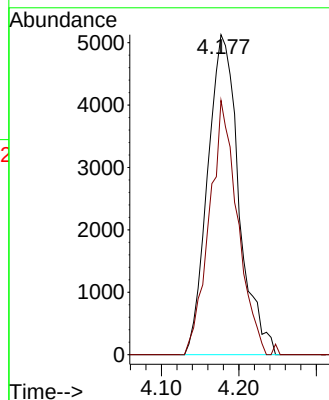
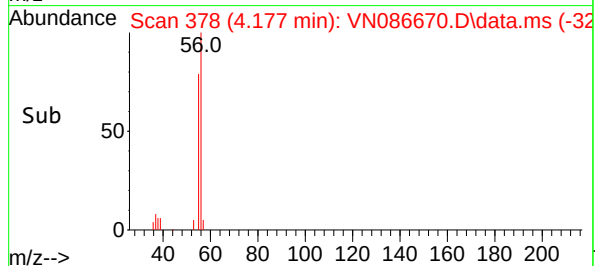
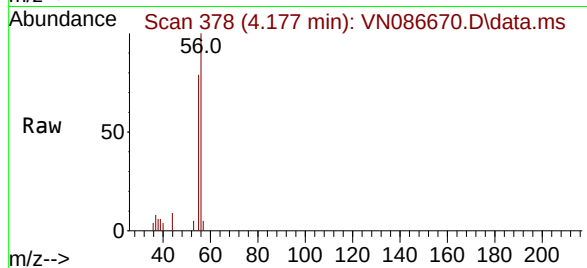
55 71.9 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#14

Allyl chloride

Concen: 3.913 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

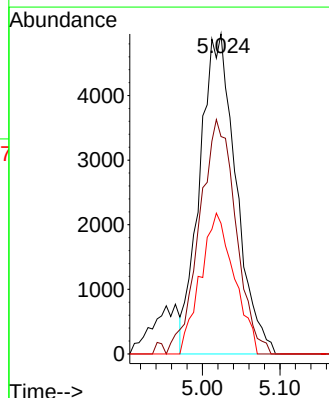
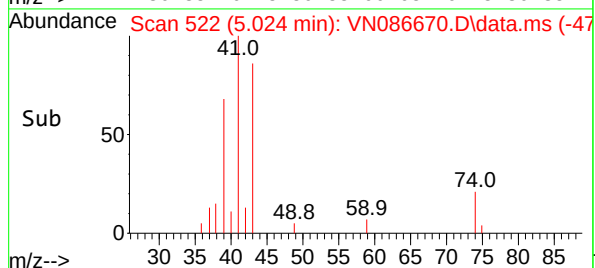
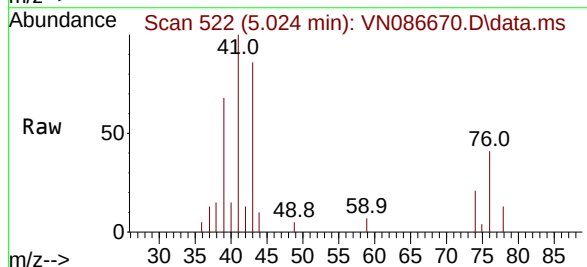
Tgt Ion: 41 Resp: 16060

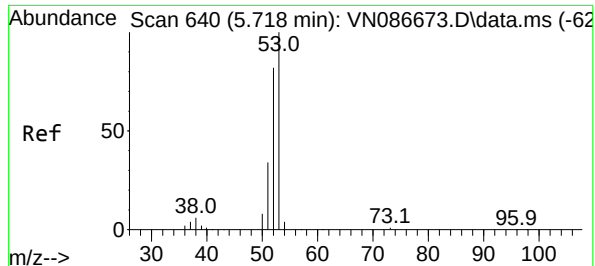
Ion Ratio Lower Upper

41 100

39 74.2 57.4 86.0

76 41.0 33.2 49.8





#15

Acrylonitrile

Concen: 23.738 ug/l

RT: 5.718 min Scan# 640

Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

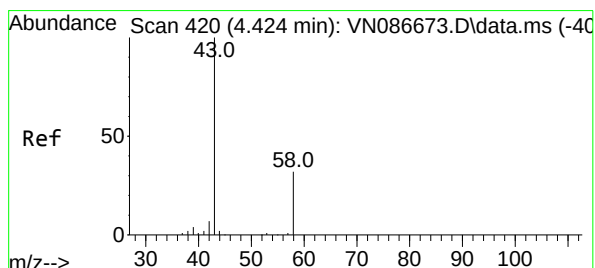
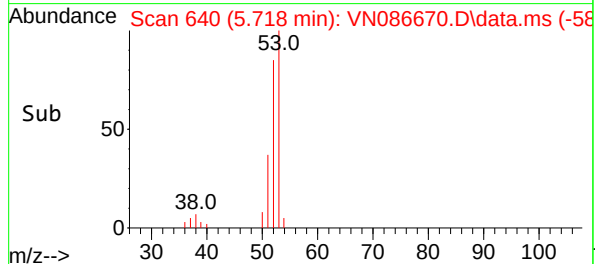
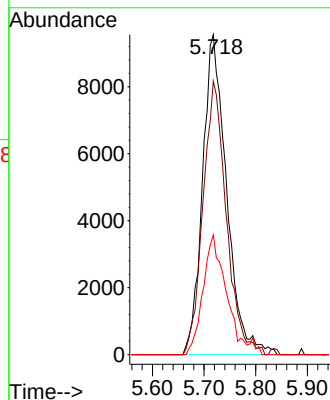
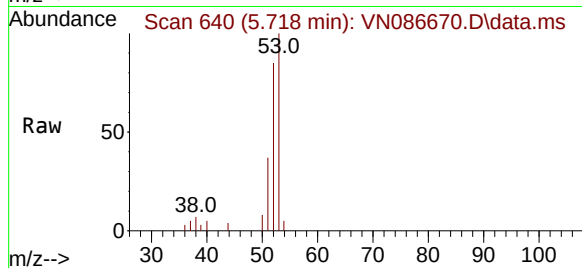
Tgt Ion: 53	Resp: 3087
Ion Ratio	Lower Upper
53 100	
52 82.9	65.4 98.2
51 35.6	27.9 41.9

Manual Integrations

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Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#16

Acetone

Concen: 21.808 ug/l

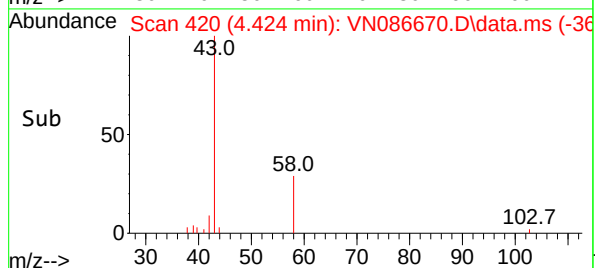
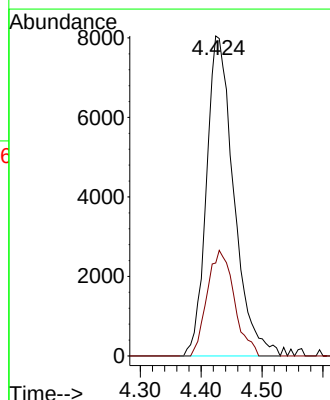
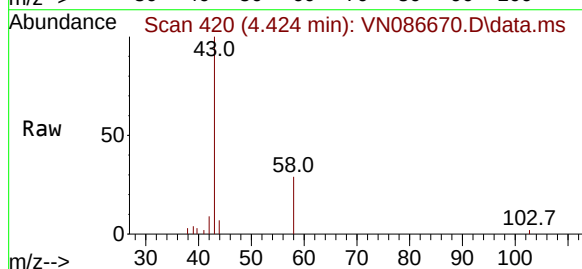
RT: 4.424 min Scan# 420

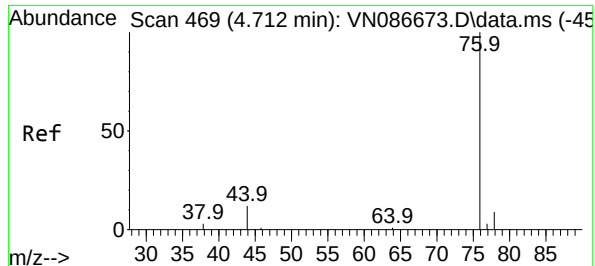
Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Tgt Ion: 43	Resp: 25108
Ion Ratio	Lower Upper
43 100	
58 29.0	25.8 38.6





#17

Carbon Disulfide

Concen: 4.235 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 76 Resp: 2973

Ion Ratio Lower Upper

76 100

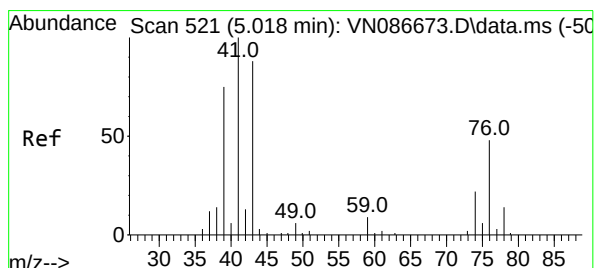
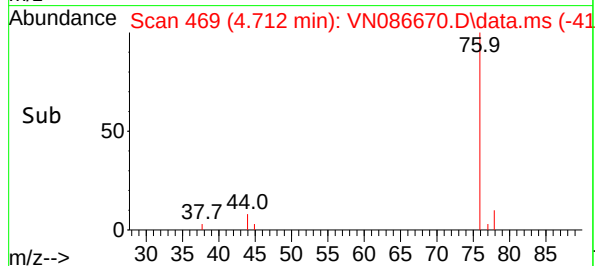
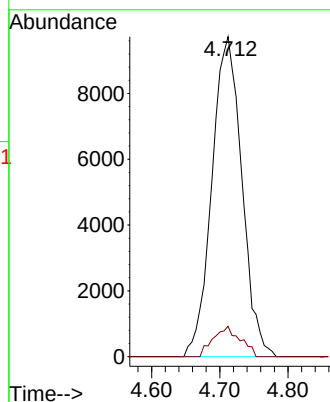
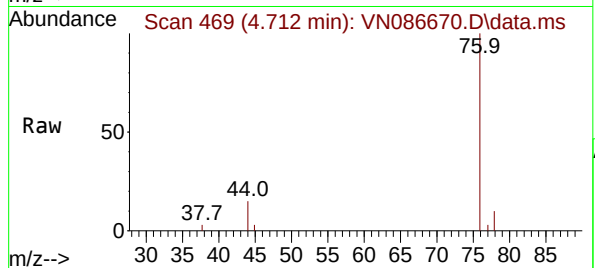
78 9.5 7.3 10.9

Manual Integrations

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Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#18

Methyl Acetate

Concen: 4.165 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN086670.D

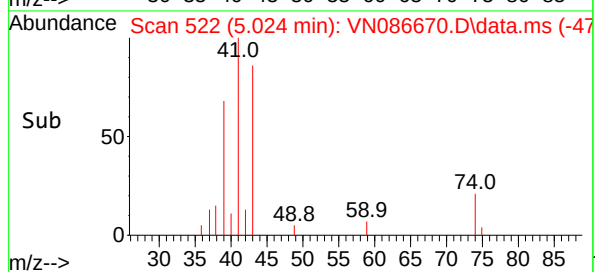
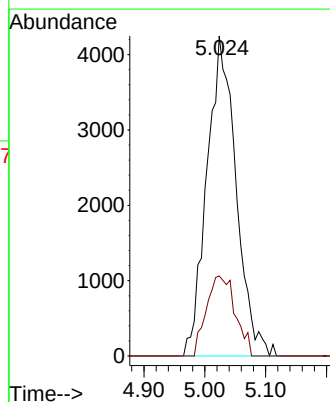
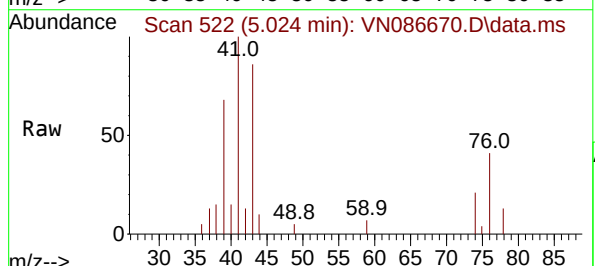
Acq: 16 May 2025 16:55

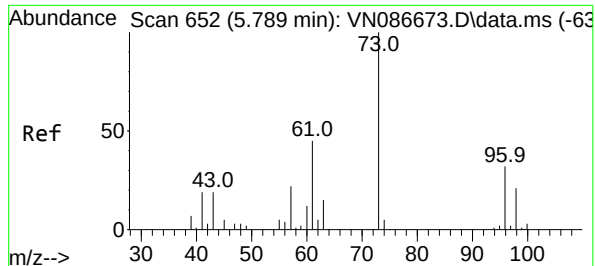
Tgt Ion: 43 Resp: 14135

Ion Ratio Lower Upper

43 100

74 24.8 20.5 30.7





#19

Methyl tert-butyl Ether

Concen: 4.369 ug/l

RT: 5.794 min Scan# 61

Delta R.T. 0.006 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 73 Resp: 3742

Ion Ratio Lower Upper

73 100

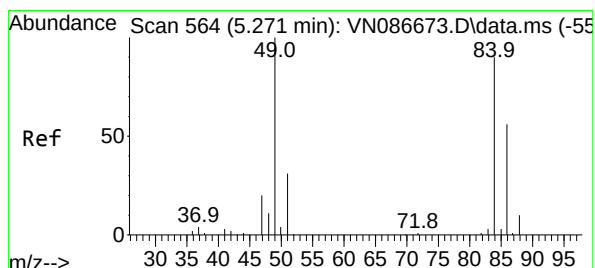
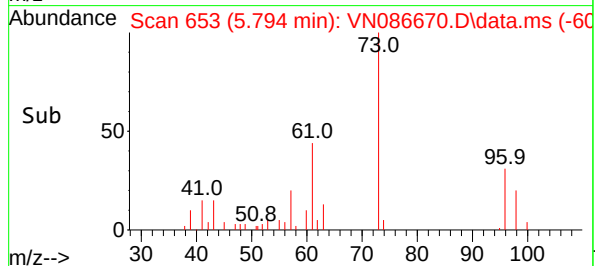
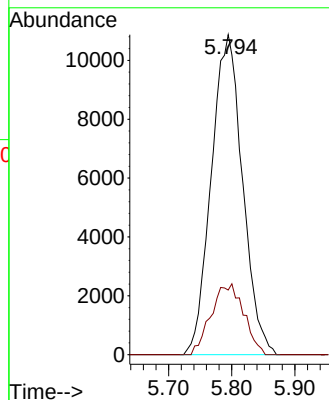
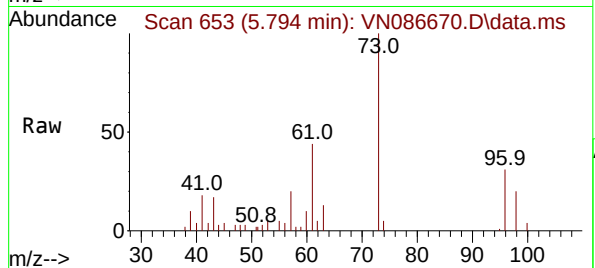
57 20.2 17.7 26.5

Manual Integrations

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Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#20

Methylene Chloride

Concen: 5.082 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Tgt Ion: 84 Resp: 13630

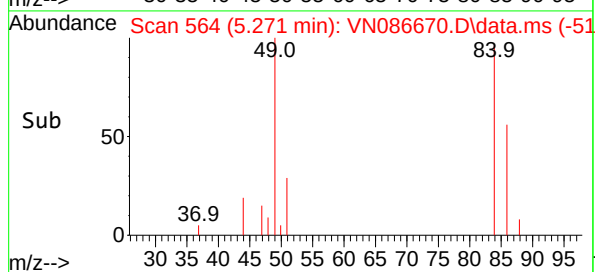
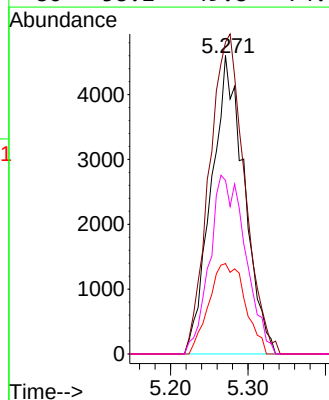
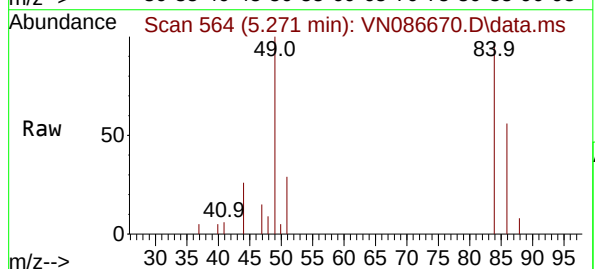
Ion Ratio Lower Upper

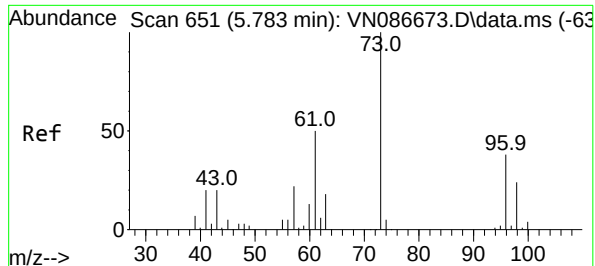
84 100

49 104.5 88.8 133.2

51 30.3 27.8 41.6

86 58.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 4.879 ug/l

RT: 5.788 min Scan# 61

Delta R.T. 0.006 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 11984

Ion Ratio Lower Upper

96 100

61 114.5 105.7 158.5

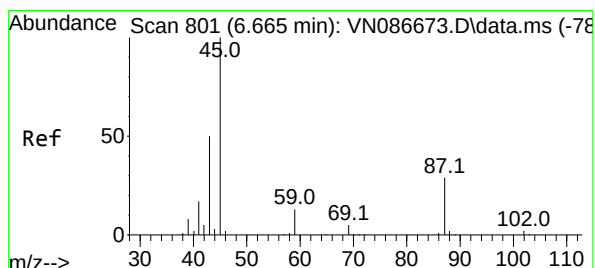
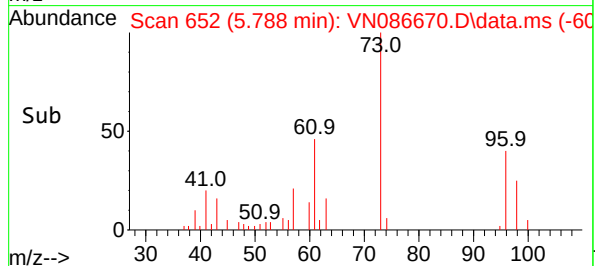
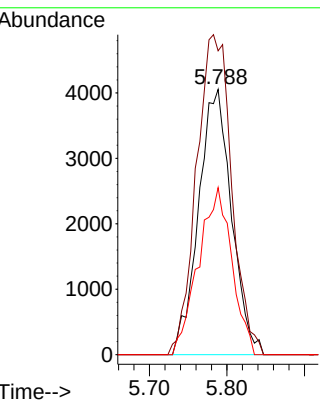
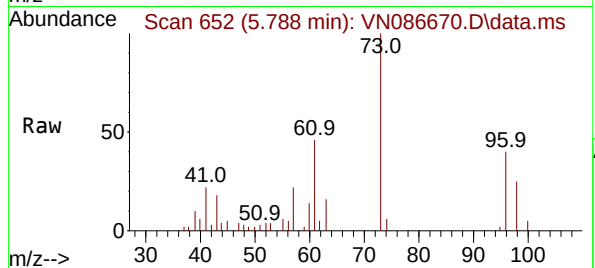
98 63.0 51.0 76.6

Manual Integrations

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Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#22

Diisopropyl ether

Concen: 4.292 ug/l

RT: 6.665 min Scan# 801

Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Tgt Ion: 45 Resp: 38431

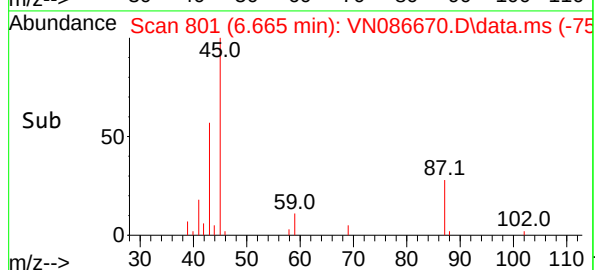
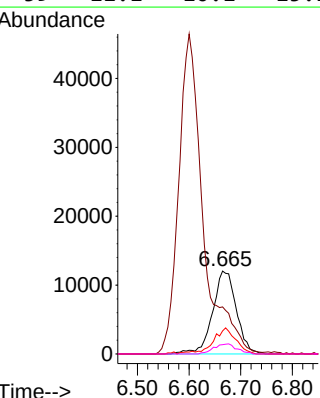
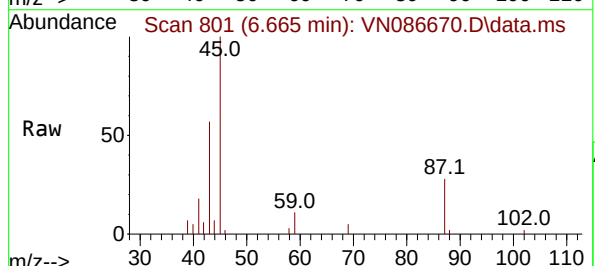
Ion Ratio Lower Upper

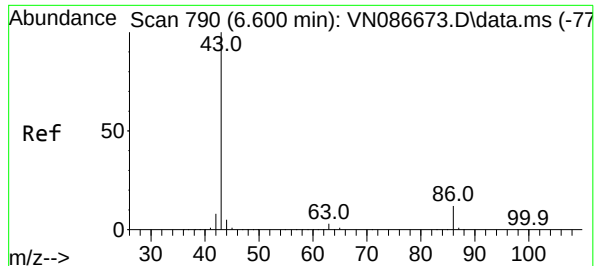
45 100

43 54.3 41.4 62.2

87 27.9 22.9 34.3

59 11.1 10.1 15.1





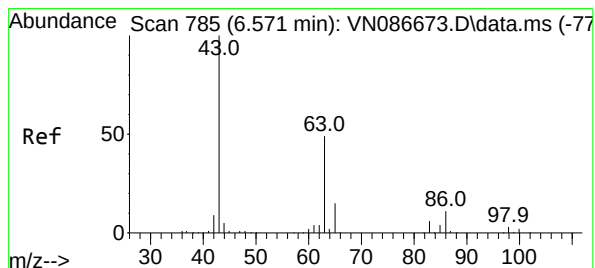
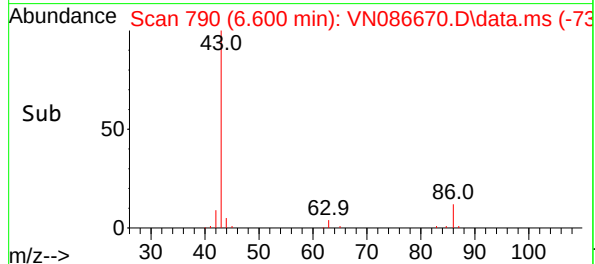
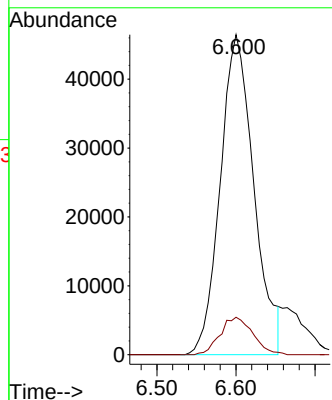
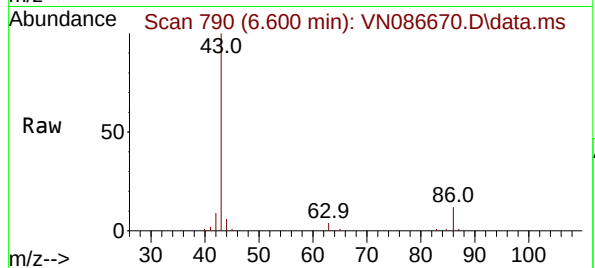
#23
Vinyl Acetate
Concen: 21.613 ug/l m
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 136818
Ion Ratio Lower Upper
43 100
86 11.7 9.5 14.3

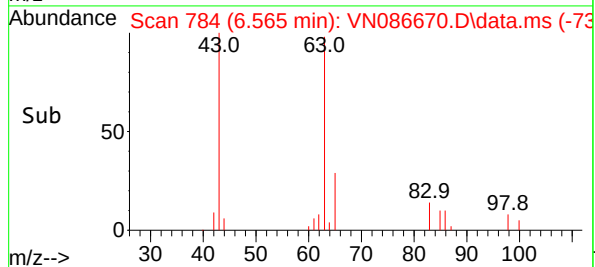
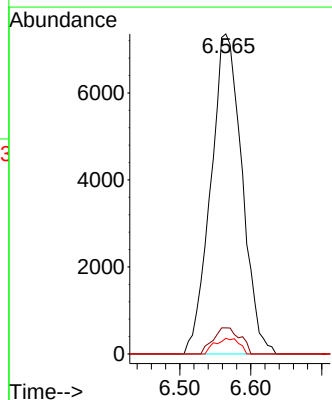
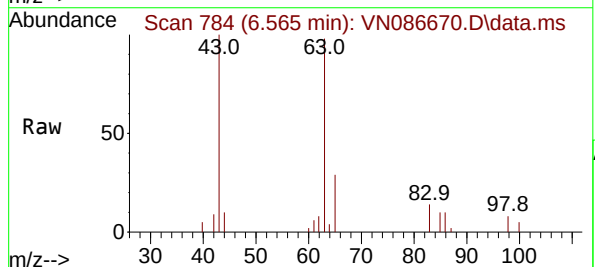
Manual Integrations
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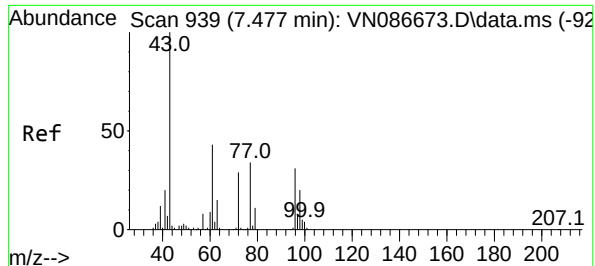
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#24
1,1-Dichloroethane
Concen: 4.714 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Tgt Ion: 63 Resp: 22481
Ion Ratio Lower Upper
63 100
98 8.2 3.4 10.2
100 4.9 2.4 7.1





#25

2-Butanone

Concen: 22.565 ug/l

RT: 7.482 min Scan# 940

Delta R.T. 0.006 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 4027

Ion Ratio Lower Upper

43 100

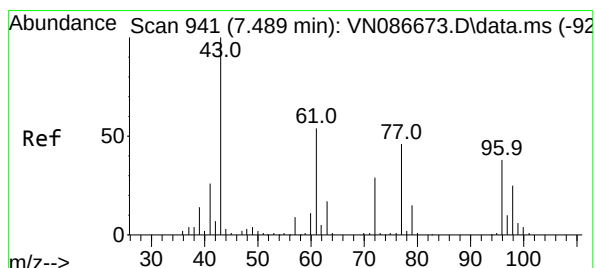
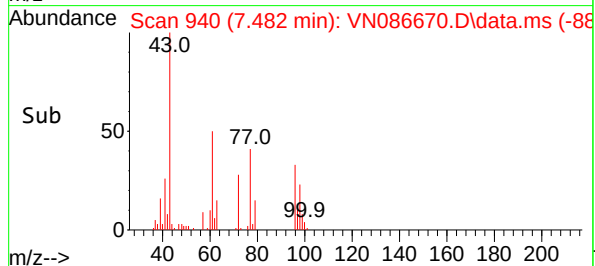
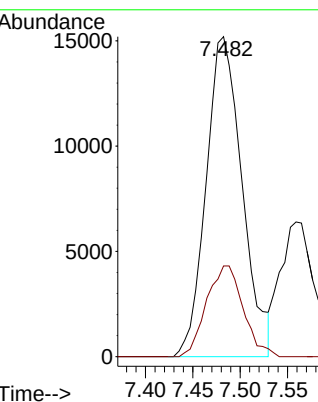
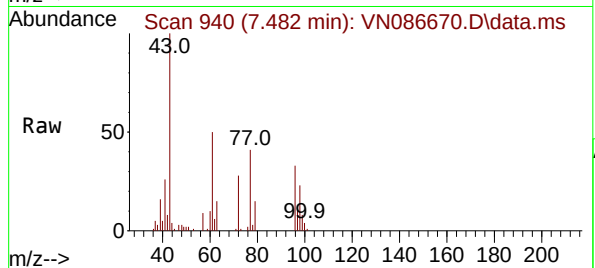
72 28.4 23.1 34.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#26

2,2-Dichloropropane

Concen: 4.369 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.000 min

Lab File: VN086670.D

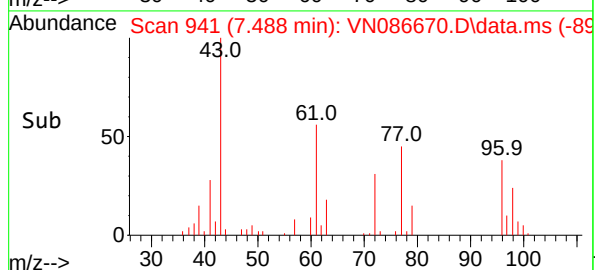
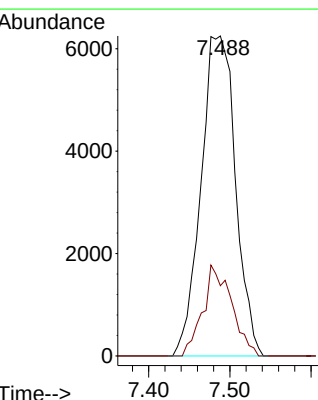
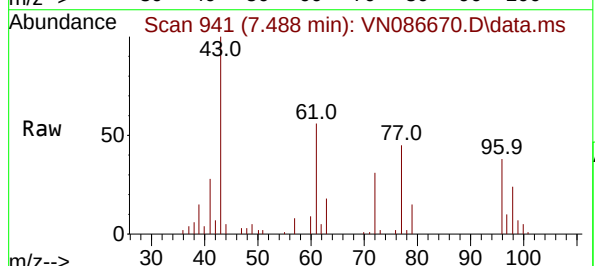
Acq: 16 May 2025 16:55

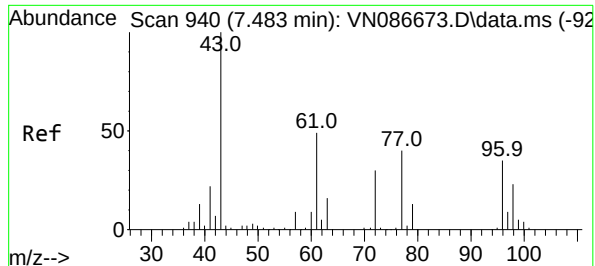
Tgt Ion: 77 Resp: 18472

Ion Ratio Lower Upper

77 100

97 23.6 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 4.720 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 14370

Ion Ratio Lower Upper

96 100

61 143.1 0.0 277.4

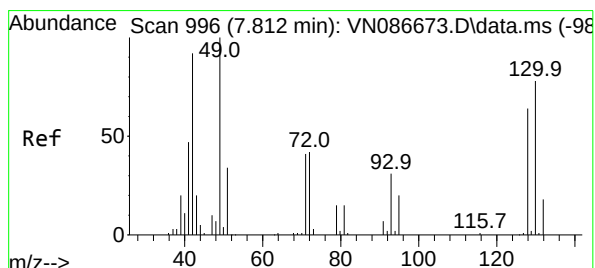
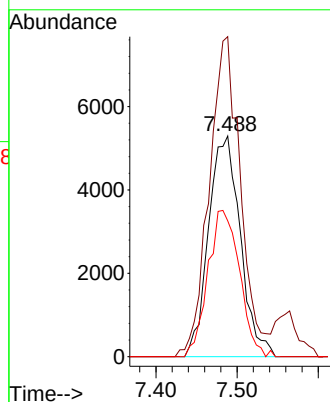
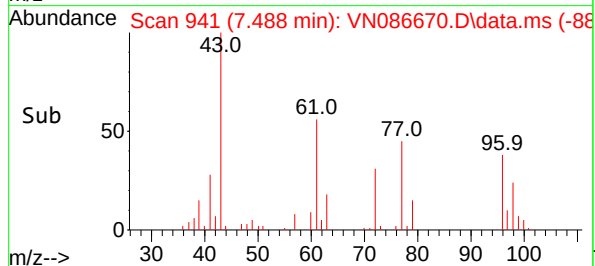
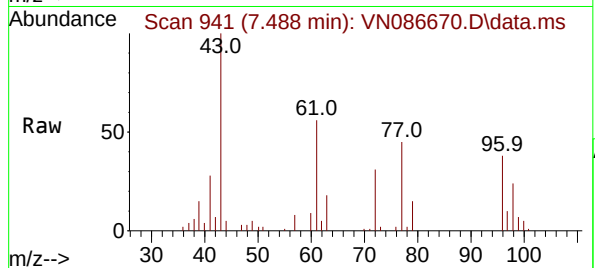
98 66.3 0.0 129.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#28

Bromochloromethane

Concen: 5.145 ug/l

RT: 7.812 min Scan# 996

Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

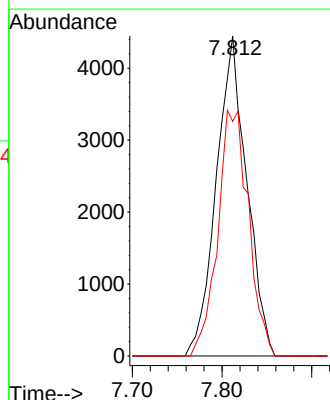
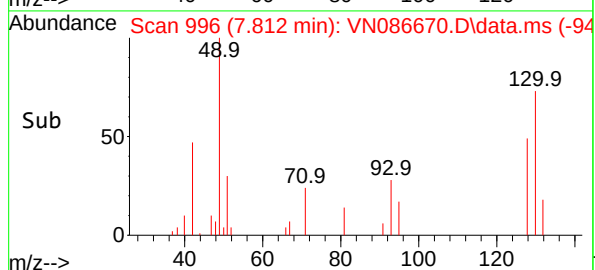
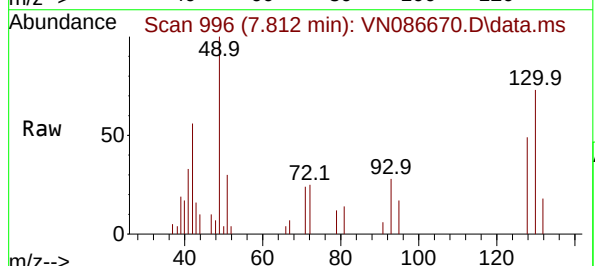
Tgt Ion: 49 Resp: 10493

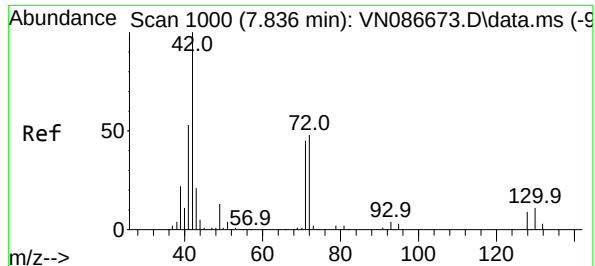
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 77.5 62.2 93.4





#29

Tetrahydrofuran

Concen: 21.506 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 42 Resp: 2566

Ion Ratio Lower Upper

42 100

72 48.1 38.7 58.1

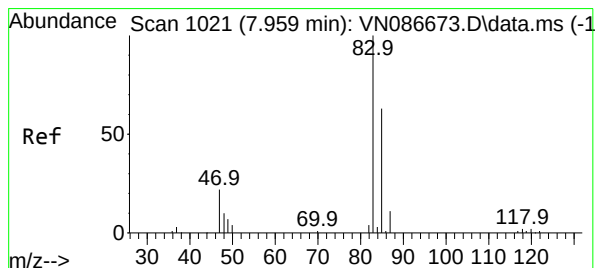
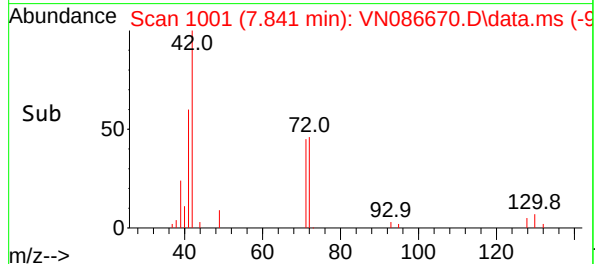
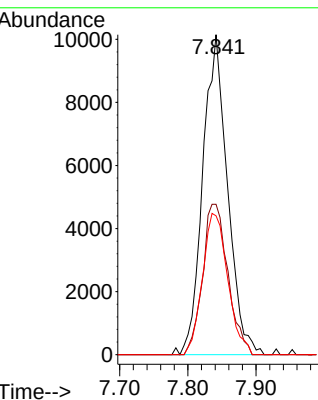
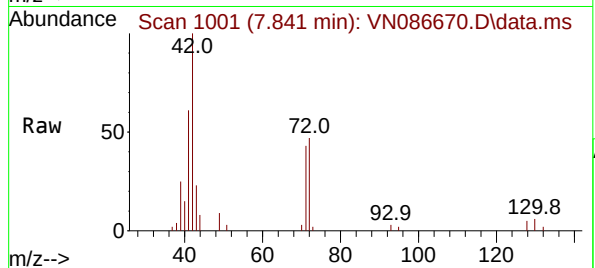
71 45.0 36.2 54.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#30

Chloroform

Concen: 4.863 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VN086670.D

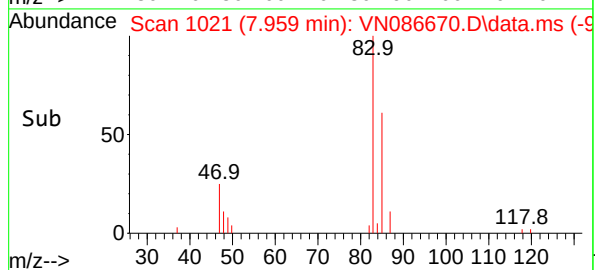
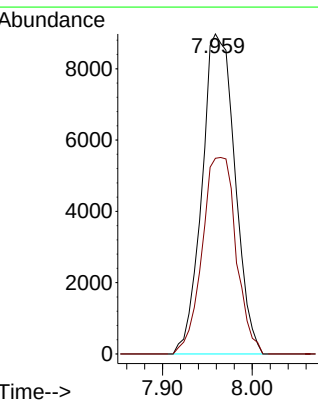
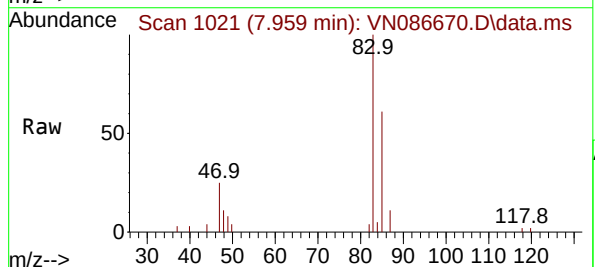
Acq: 16 May 2025 16:55

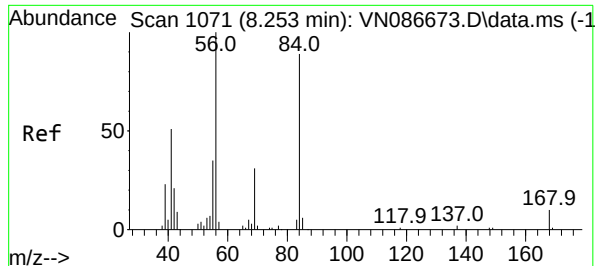
Tgt Ion: 83 Resp: 22851

Ion Ratio Lower Upper

83 100

85 61.2 50.2 75.4





#31

Cyclohexane

Concen: 4.771 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 22050

Ion Ratio Lower Upper

56 100

69 33.6 25.0 37.6

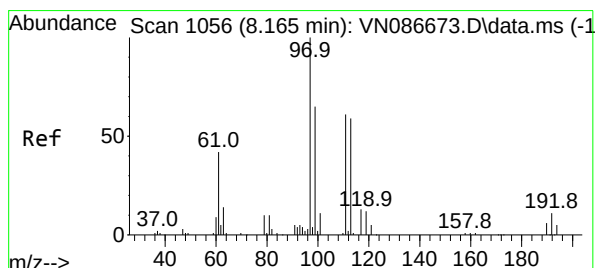
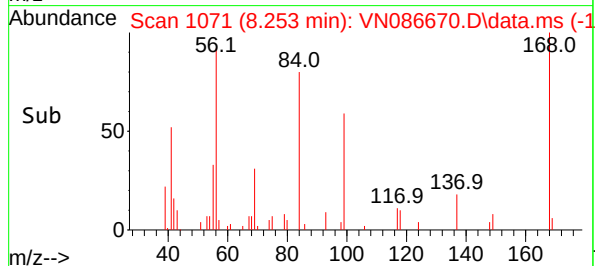
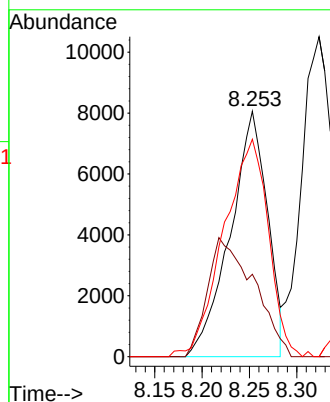
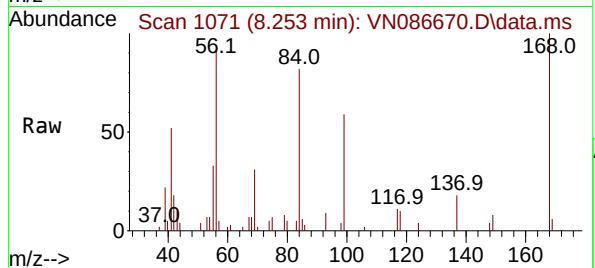
84 86.1 71.0 106.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#32

1,1,1-Trichloroethane

Concen: 4.640 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

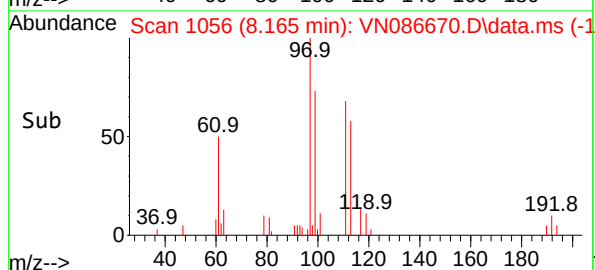
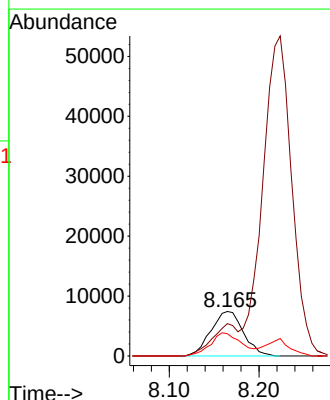
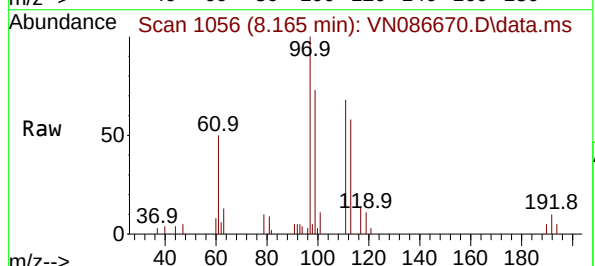
Tgt Ion: 97 Resp: 18669

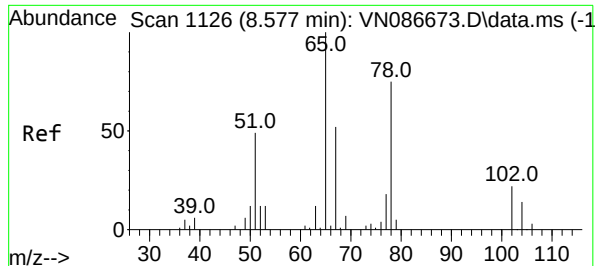
Ion Ratio Lower Upper

97 100

99 55.8 52.6 79.0

61 49.1 37.7 56.5





#33

1,2-Dichloroethane-d4

Concen: 4.989 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 14329

Ion Ratio Lower Upper

65 100

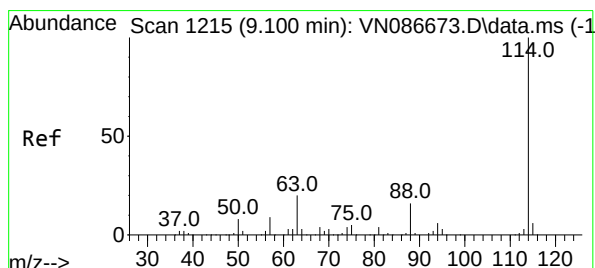
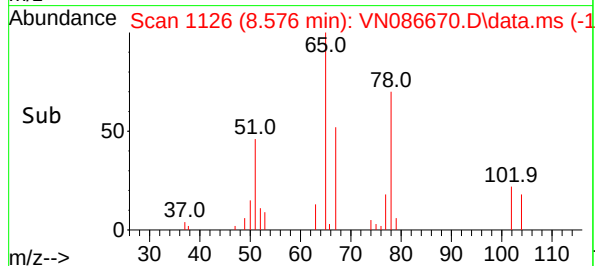
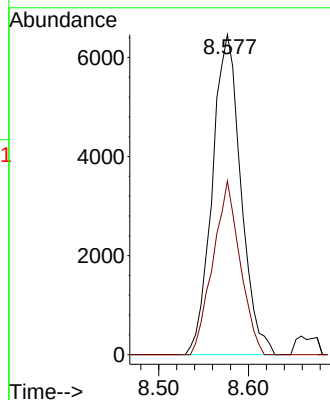
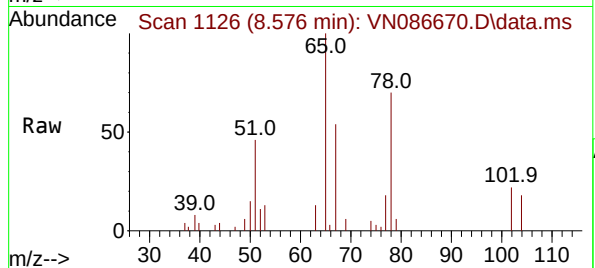
67 51.3 0.0 106.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

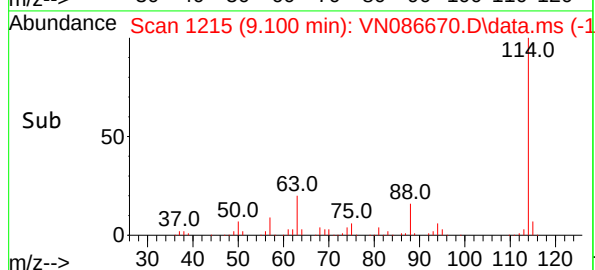
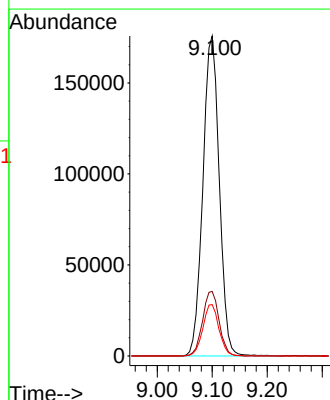
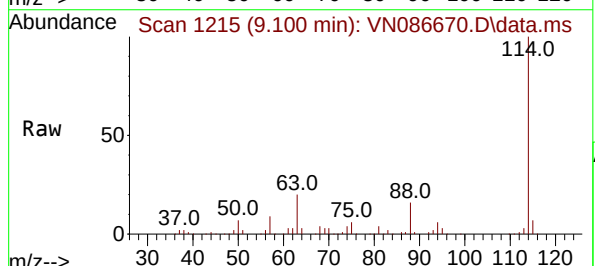
Tgt Ion:114 Resp: 363475

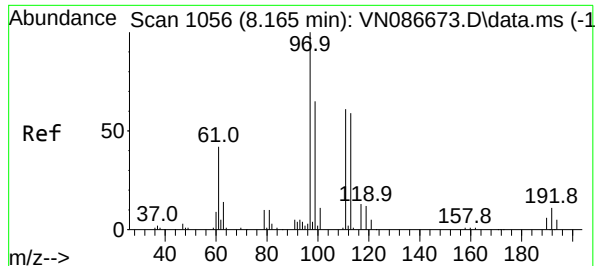
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 16.0 0.0 31.2





#35

Dibromofluoromethane

Concen: 6.032 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

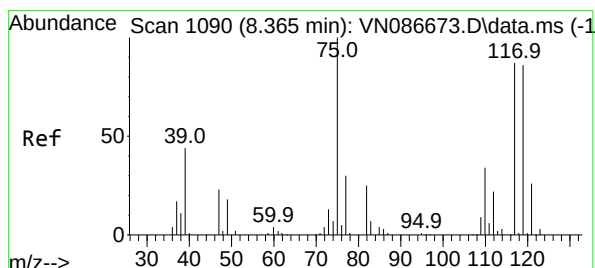
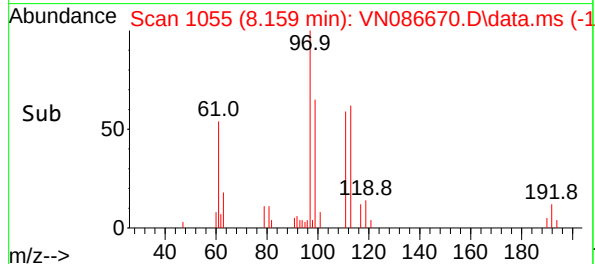
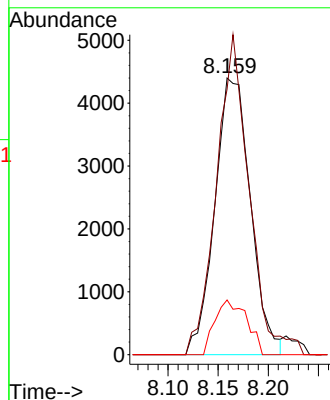
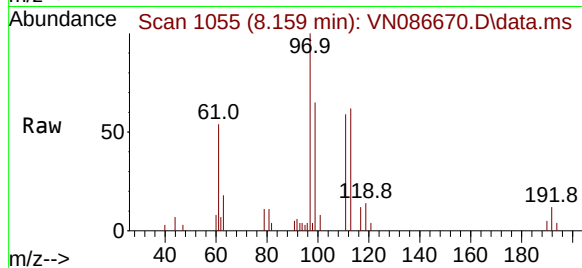
Tgt Ion:	113	Resp:	1091
Ion	Ratio	Lower	Upper
113	100		
111	105.8	82.2	123.2
192	17.5	13.8	20.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#36

1,1-Dichloropropene

Concen: 4.729 ug/l

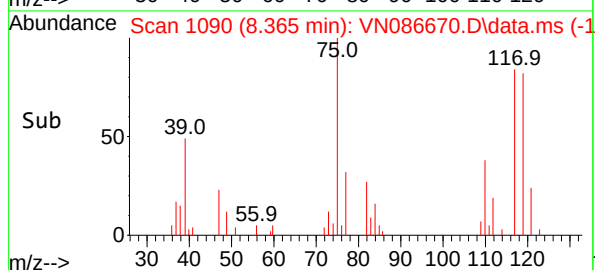
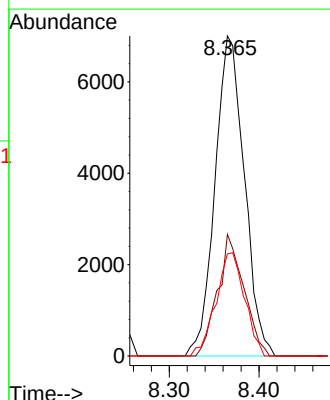
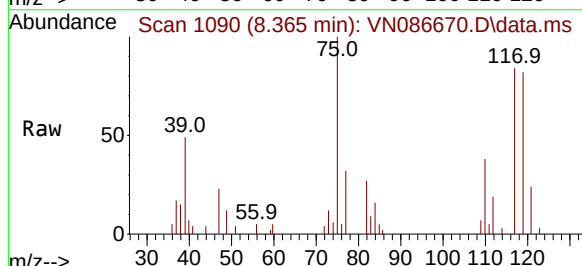
RT: 8.365 min Scan# 1090

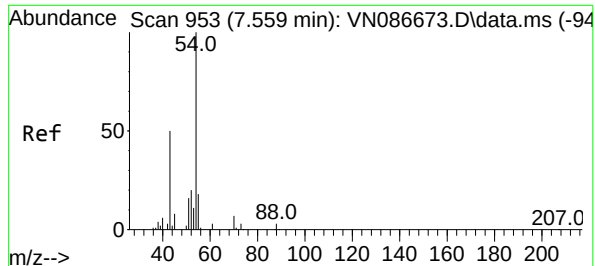
Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Tgt Ion:	75	Resp:	15893
Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.5	52.5
77	31.6	25.1	37.7





#37

Ethyl Acetate

Concen: 4.689 ug/l m

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

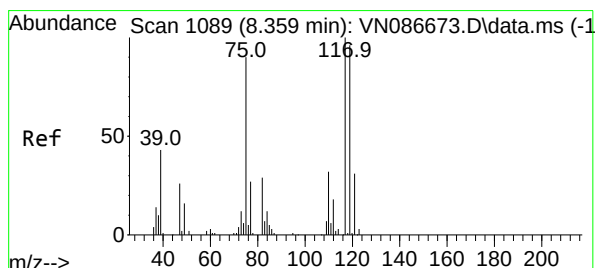
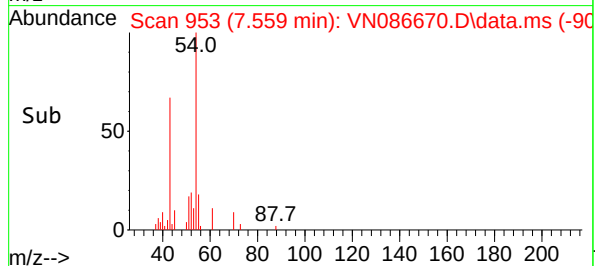
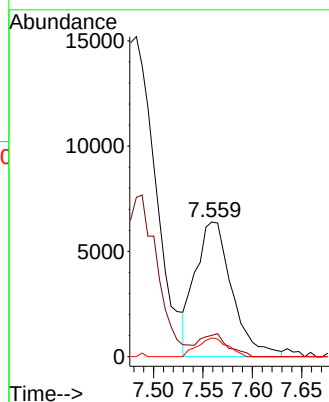
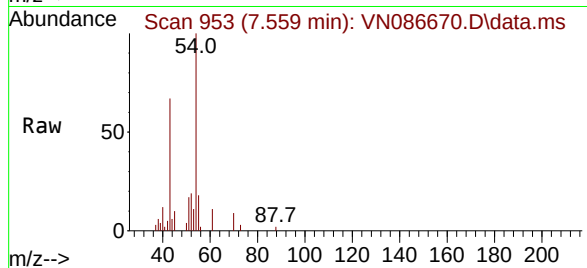
Tgt Ion:	43	Resp:	1657
Ion	Ratio	Lower	Upper
43	100		
61	12.3	11.6	17.4
70	11.3	9.4	14.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#38

Carbon Tetrachloride

Concen: 4.944 ug/l

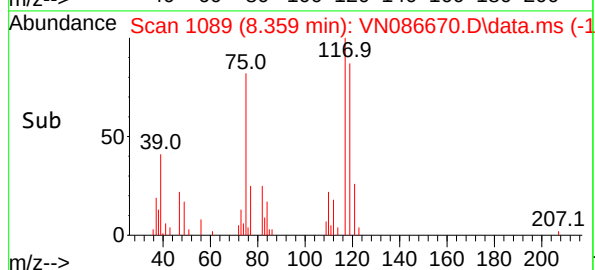
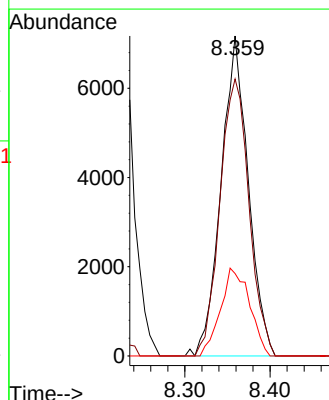
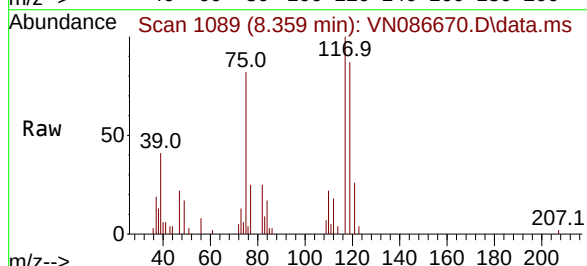
RT: 8.359 min Scan# 1089

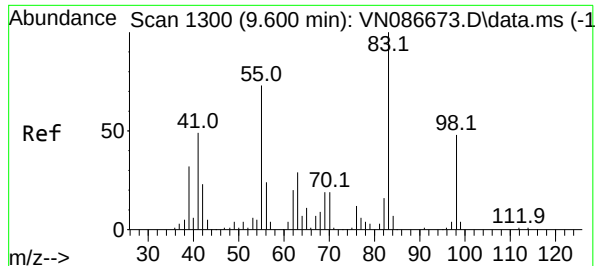
Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Tgt Ion:	117	Resp:	15908
Ion	Ratio	Lower	Upper
117	100		
119	86.6	77.0	115.6
121	25.8	25.0	37.6





#39

Methylcyclohexane

Concen: 4.228 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

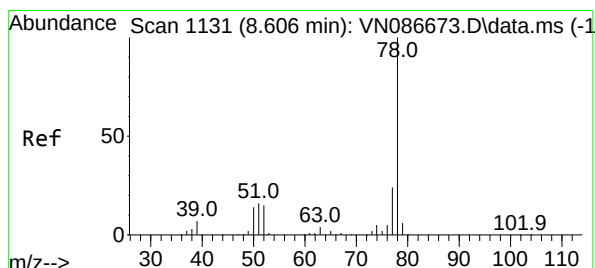
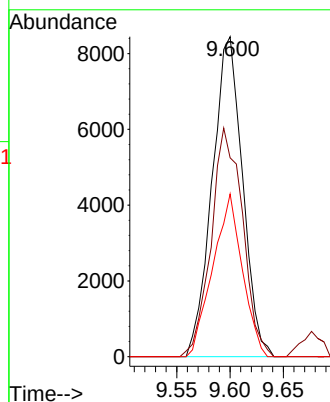
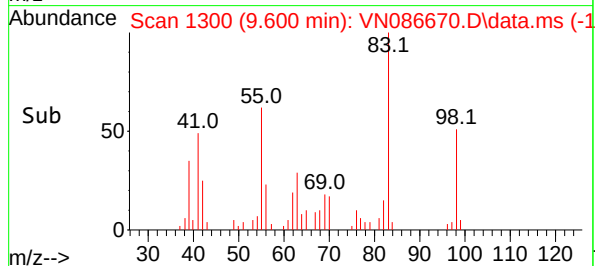
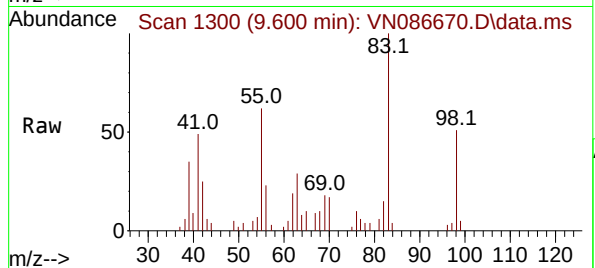
Tgt Ion:	83	Resp:	16719
Ion	Ratio	Lower	Upper
83	100		
55	62.1	58.2	87.4
98	50.9	38.4	57.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#40

Benzene

Concen: 4.814 ug/l

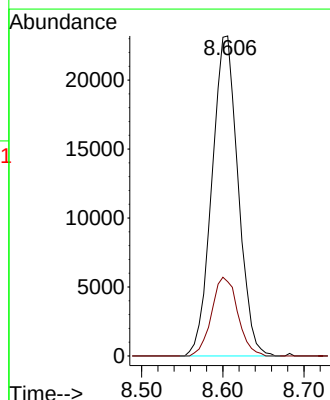
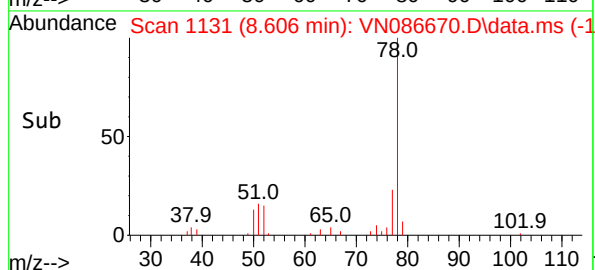
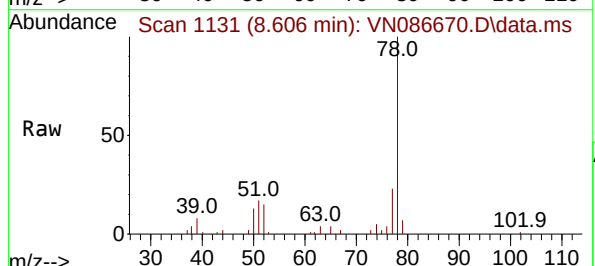
RT: 8.606 min Scan# 1131

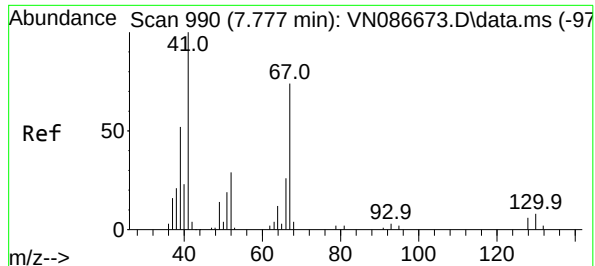
Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Tgt Ion:	78	Resp:	51932
Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7





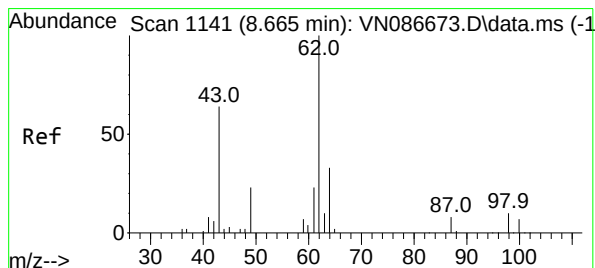
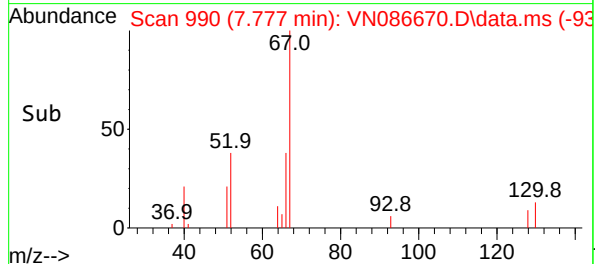
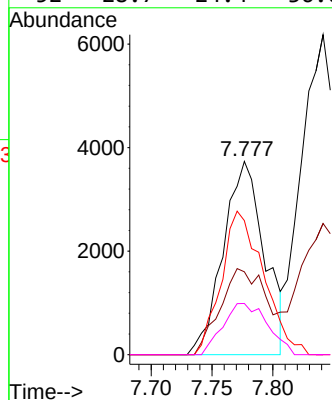
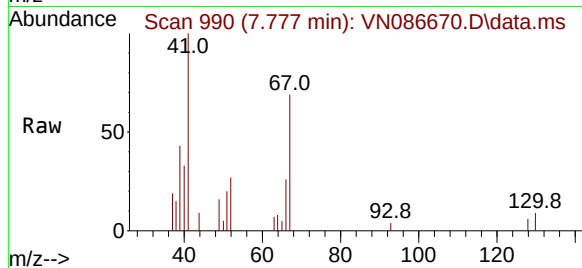
#41
Methacrylonitrile
Concen: 4.338 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Instrument :
MSVOA_N
Client Sample Id :
VSTDIC005

Tgt Ion:	41	Resp:	879
Ion	Ratio	Lower	Upper
41	100		
39	47.8	44.9	67.3
67	76.1	63.4	95.0
52	28.7	24.4	36.6

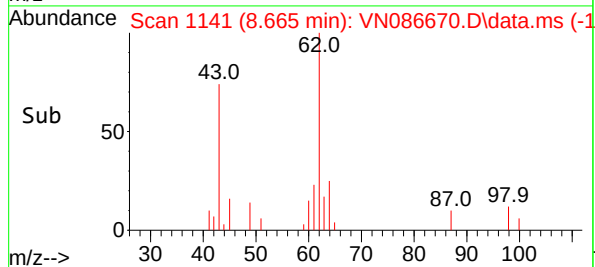
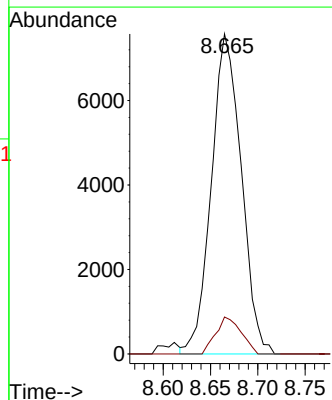
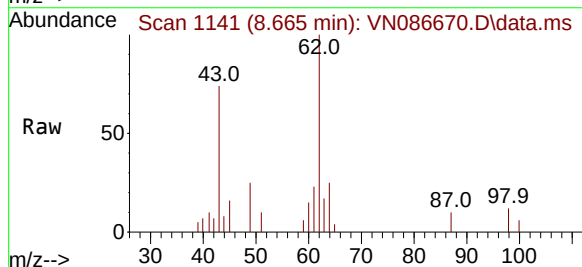
Manual Integrations
APPROVED

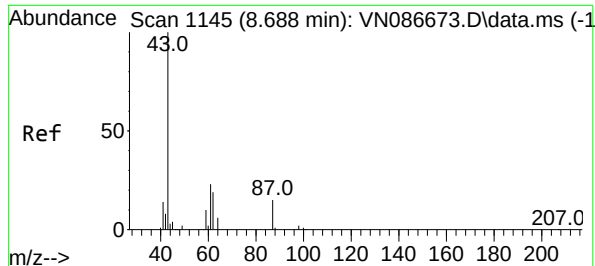
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#42
1,2-Dichloroethane
Concen: 4.839 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Tgt Ion:	62	Resp:	16621
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.2





#43

Isopropyl Acetate

Concen: 4.117 ug/l

RT: 8.682 min Scan# 1145

Delta R.T. -0.006 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

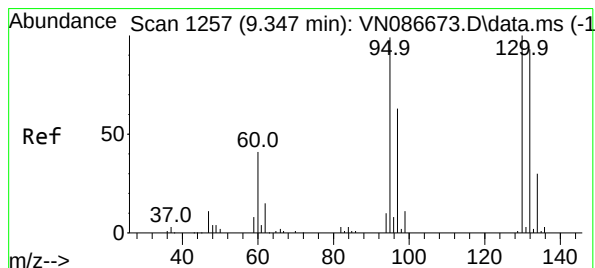
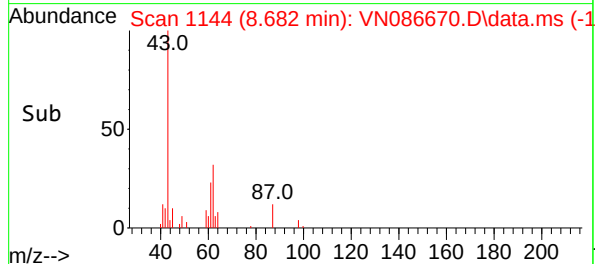
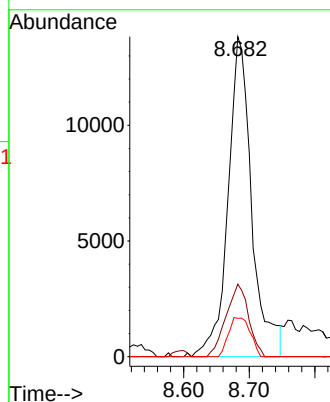
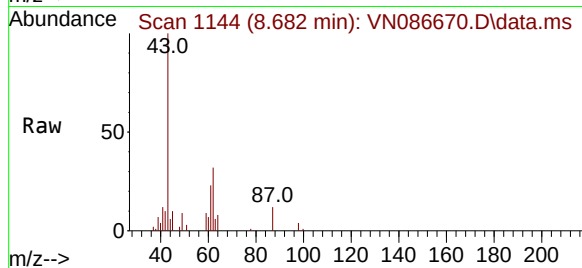
Tgt Ion: 43	Resp: 3474
Ion Ratio	Lower Upper
43 100	
61 21.5	21.4 32.2
87 11.1	11.1 16.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#44

Trichloroethene

Concen: 4.833 ug/l

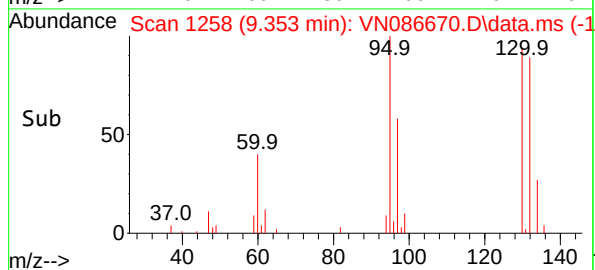
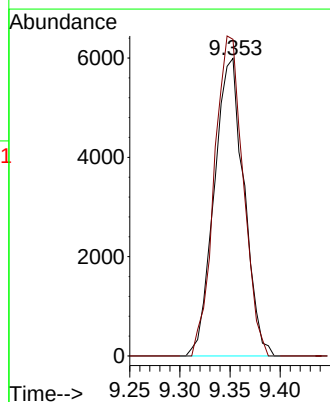
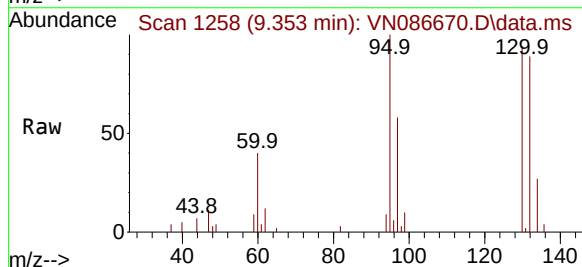
RT: 9.353 min Scan# 1258

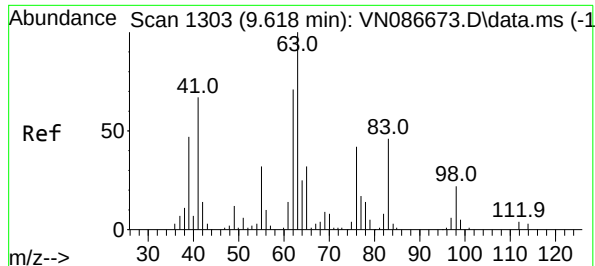
Delta R.T. 0.006 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Tgt Ion:130	Resp: 12394
Ion Ratio	Lower Upper
130 100	
95 106.4	0.0 197.0





#45

1,2-Dichloropropane

Concen: 4.665 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 1225

Ion Ratio Lower Upper

63 100

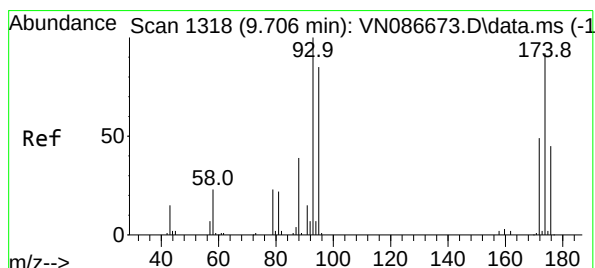
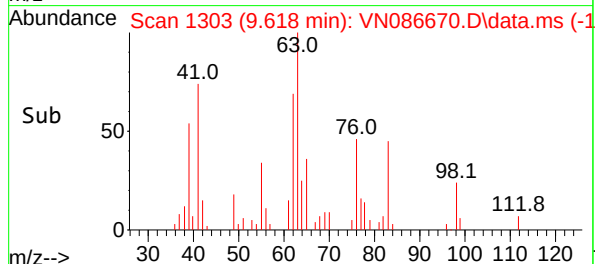
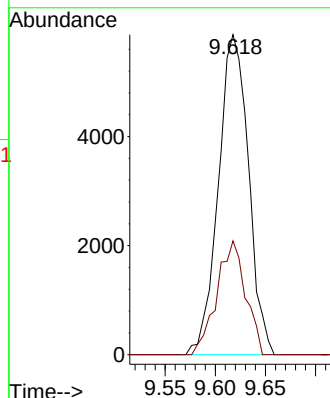
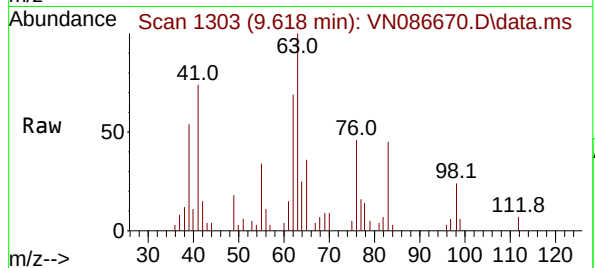
65 35.5 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#46

Dibromomethane

Concen: 4.876 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

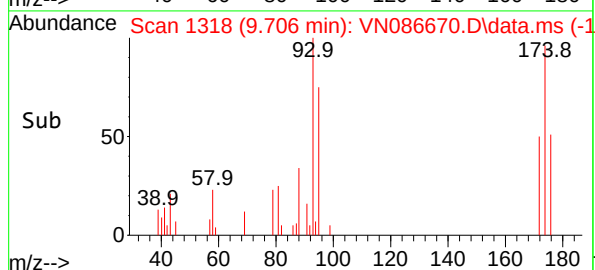
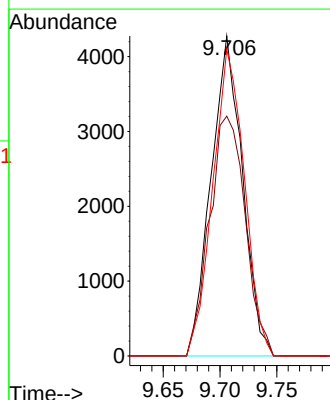
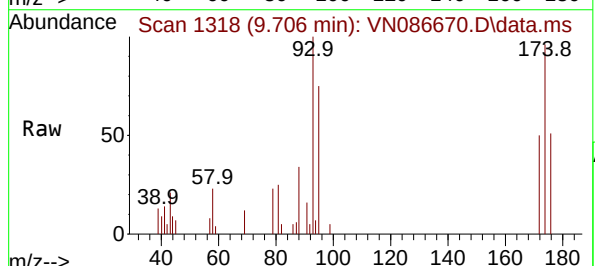
Tgt Ion: 93 Resp: 8214

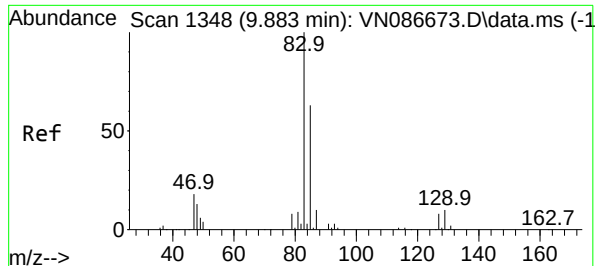
Ion Ratio Lower Upper

93 100

95 85.5 67.1 100.7

174 96.8 73.8 110.6





#47

Bromodichloromethane

Concen: 4.689 ug/l

RT: 9.888 min Scan# 1348

Delta R.T. 0.006 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

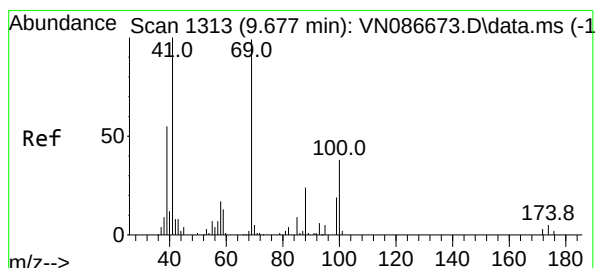
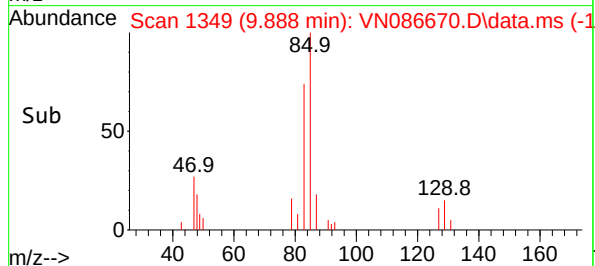
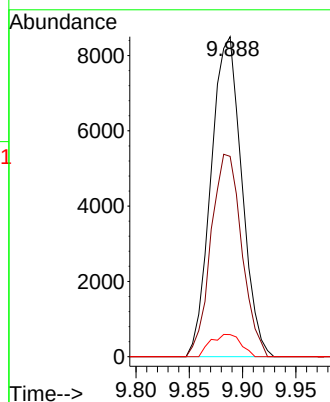
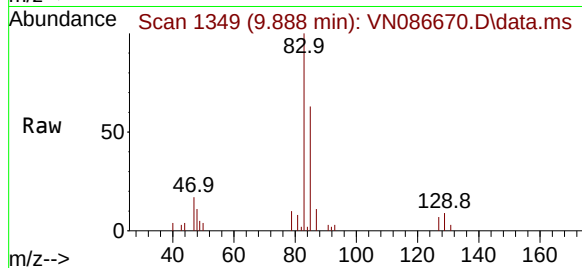
Tgt Ion:	83	Resp:	17028
Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.1	75.1
127	6.9	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#48

Methyl methacrylate

Concen: 4.016 ug/l

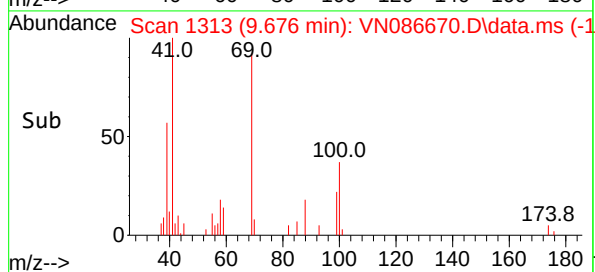
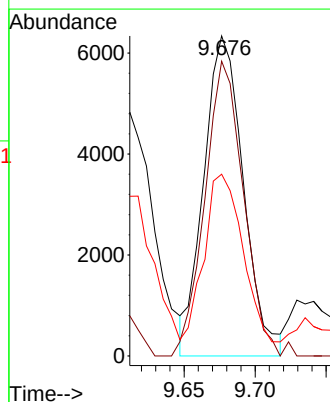
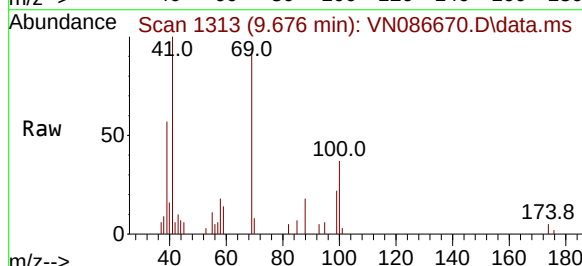
RT: 9.676 min Scan# 1313

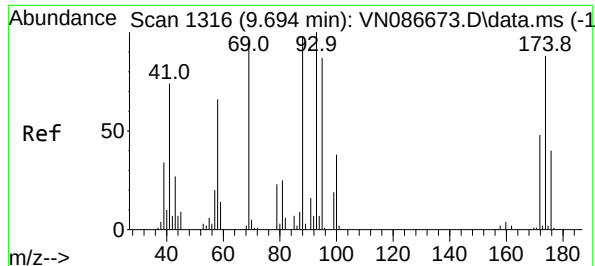
Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Tgt Ion:	41	Resp:	12296
Ion	Ratio	Lower	Upper
41	100		
69	90.2	74.1	111.1
39	59.6	44.1	66.1





#49

1,4-Dioxane

Concen: 98.922 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.006 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 88 Resp: 535

Ion Ratio Lower Upper

88 100

43 0.0 23.6 35.4

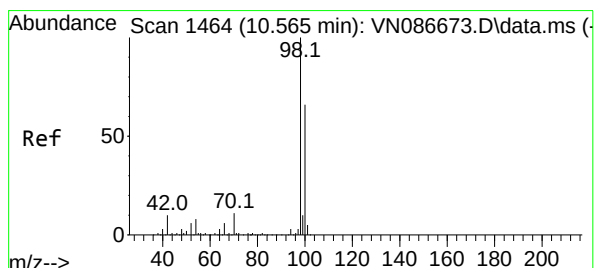
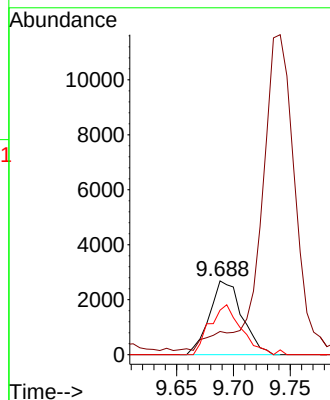
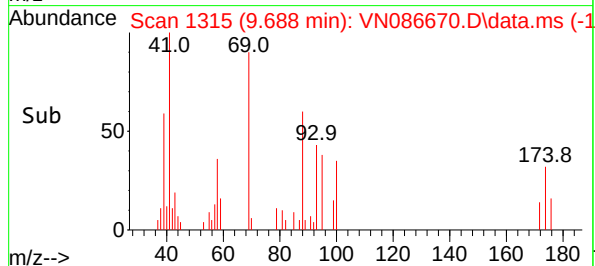
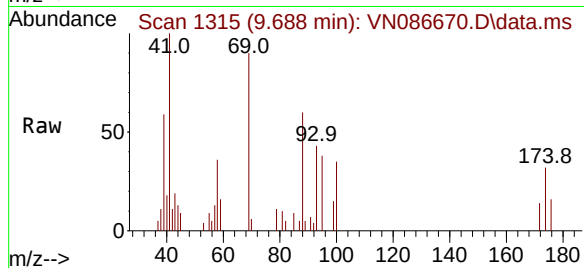
58 66.5 55.3 82.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#50

Toluene-d8

Concen: 4.852 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086670.D

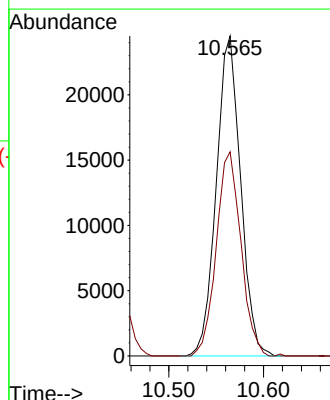
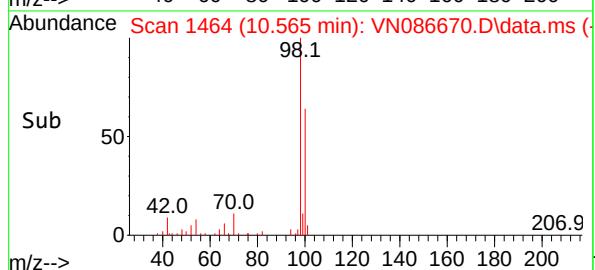
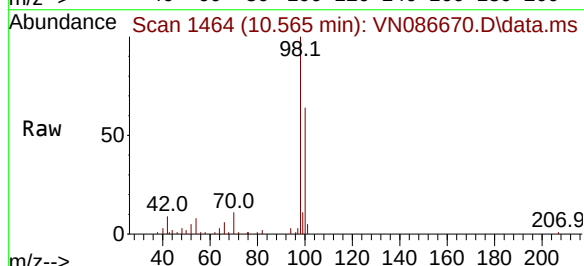
Acq: 16 May 2025 16:55

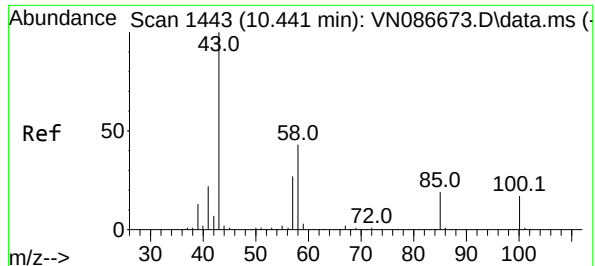
Tgt Ion: 98 Resp: 43744

Ion Ratio Lower Upper

98 100

100 64.6 52.9 79.3





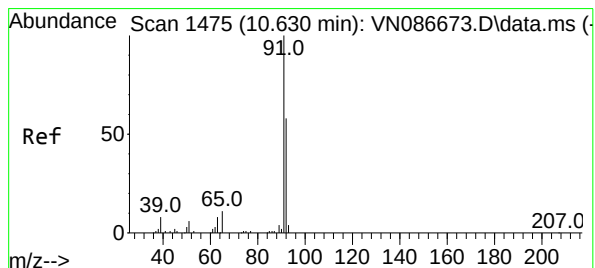
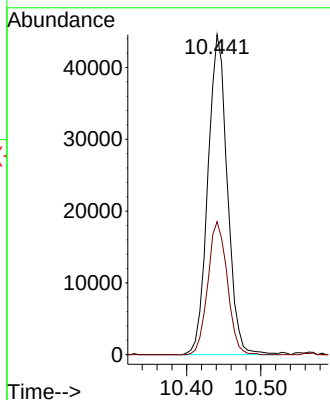
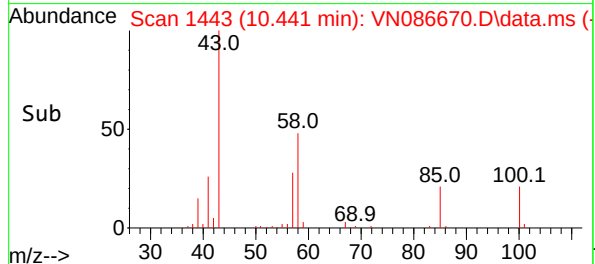
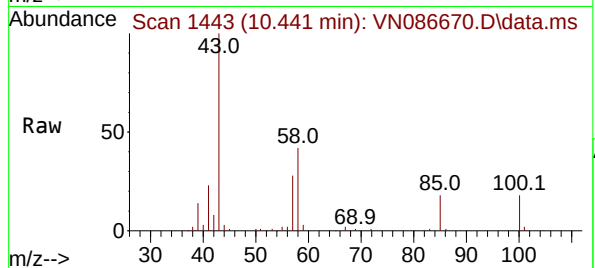
#51
4-Methyl-2-Pentanone
Concen: 22.646 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 81358
Ion Ratio Lower Upper
43 100
58 41.5 33.9 50.9

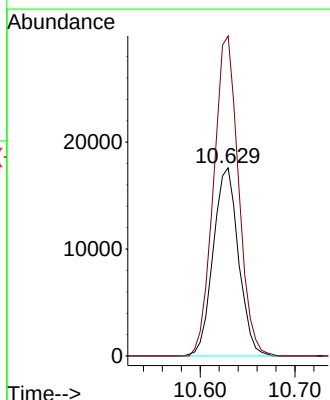
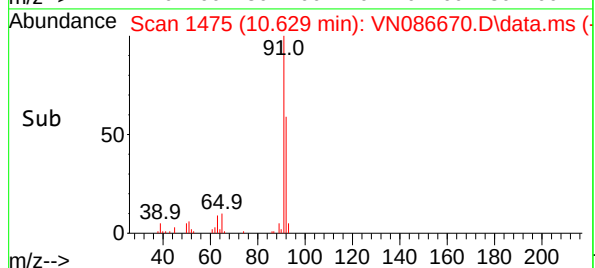
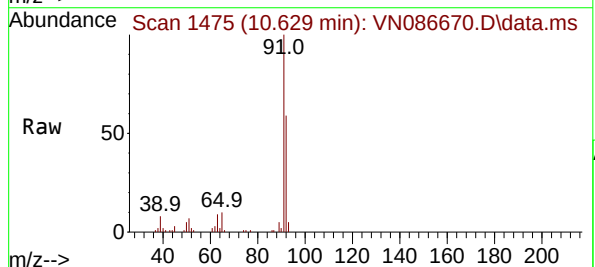
Manual Integrations
APPROVED

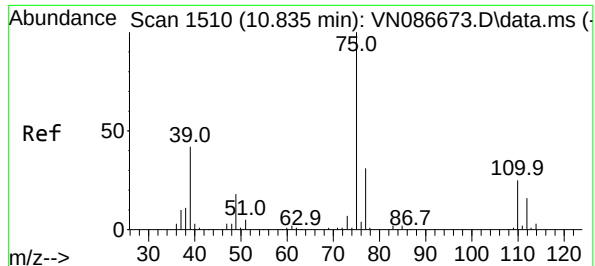
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#52
Toluene
Concen: 4.849 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Tgt Ion: 92 Resp: 32634
Ion Ratio Lower Upper
92 100
91 168.0 137.8 206.8





#53
t-1,3-Dichloropropene
Concen: 4.365 ug/l
RT: 10.829 min Scan# 1509
Delta R.T. -0.006 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

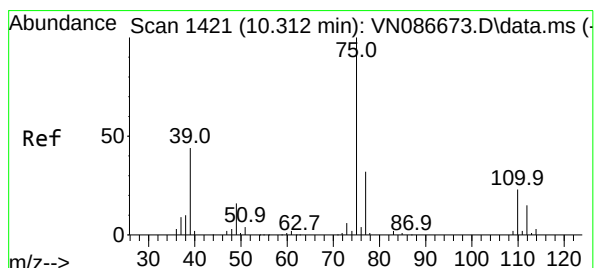
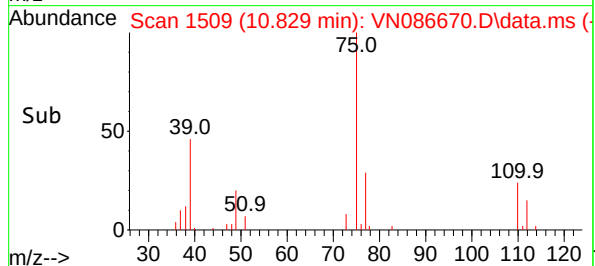
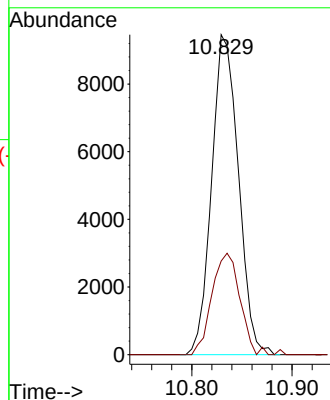
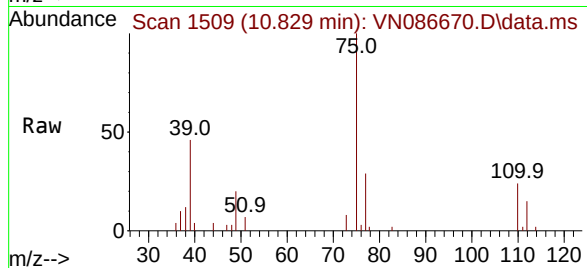
VSTDIC005

Tgt Ion: 75 Resp: 1754
Ion Ratio Lower Upper
75 100
77 29.3 25.2 37.8

Manual Integrations

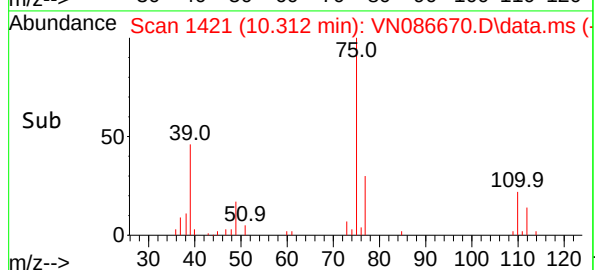
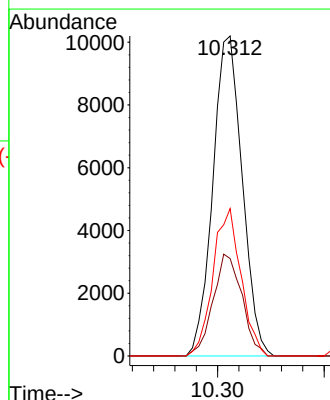
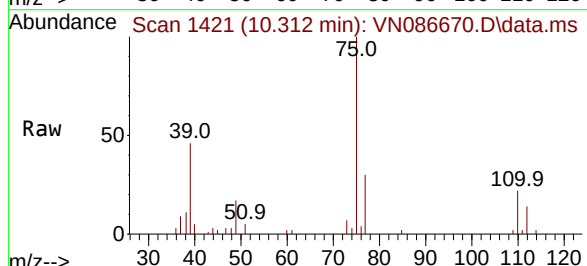
APPROVED

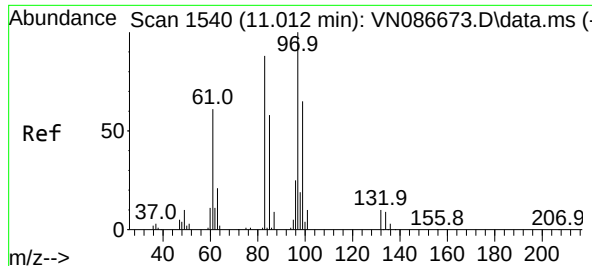
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#54
cis-1,3-Dichloropropene
Concen: 4.414 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Tgt Ion: 75 Resp: 19516
Ion Ratio Lower Upper
75 100
77 30.5 25.3 37.9
39 46.1 35.2 52.8





#55

1,1,2-Trichloroethane

Concen: 5.058 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 1227

Ion Ratio Lower Upper

97 100

83 81.3 70.4 105.6

85 54.5 46.1 69.1

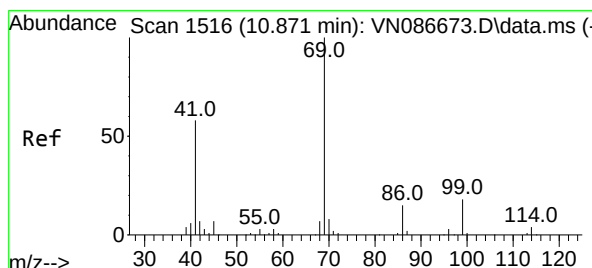
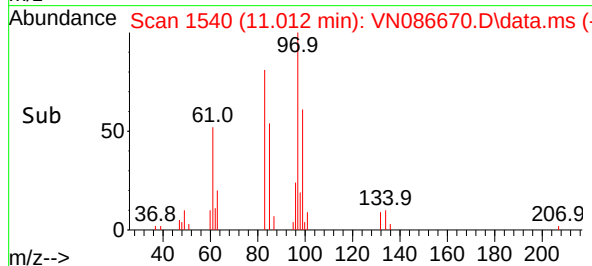
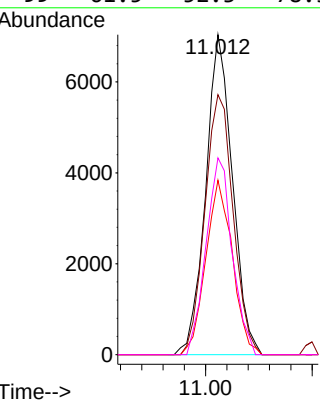
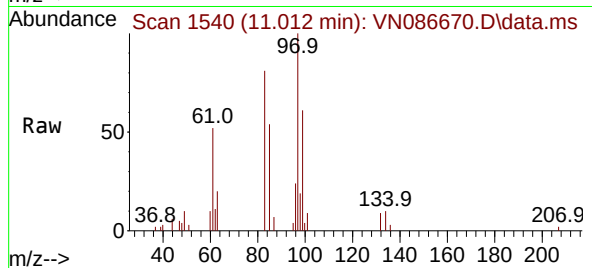
99 61.5 52.3 78.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#56

Ethyl methacrylate

Concen: 4.144 ug/l

RT: 10.870 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

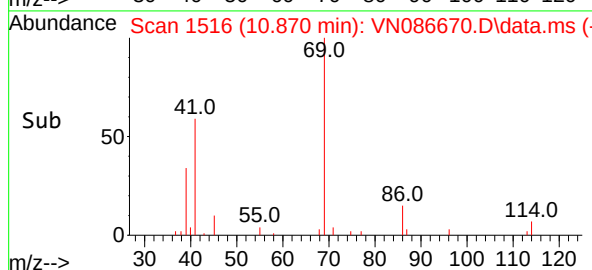
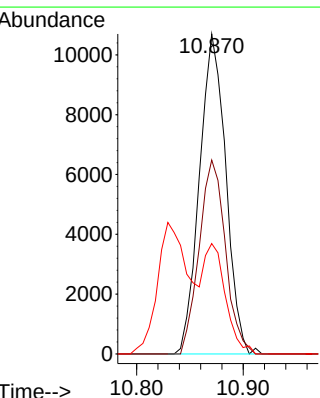
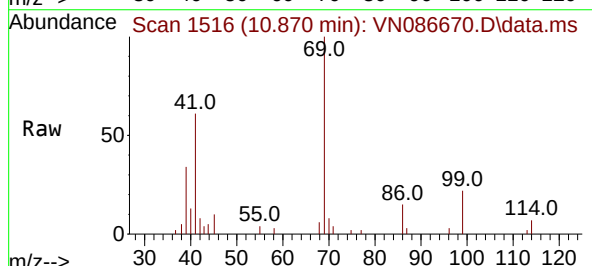
Tgt Ion: 69 Resp: 18350

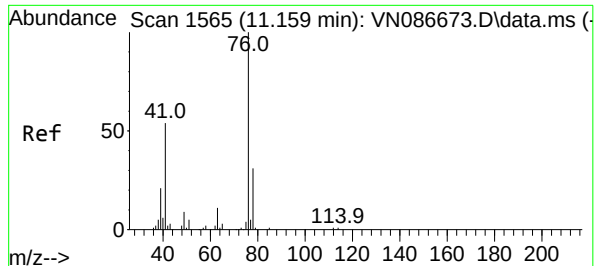
Ion Ratio Lower Upper

69 100

41 60.7 47.4 71.0

39 28.1 24.0 36.0





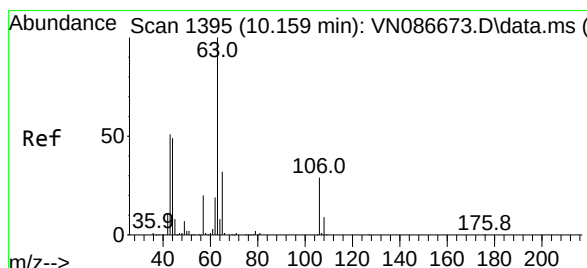
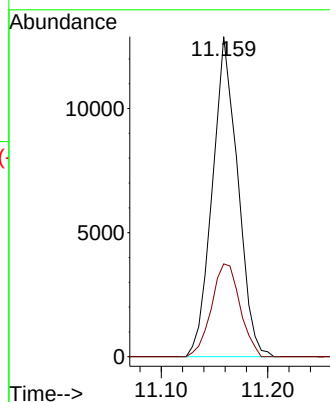
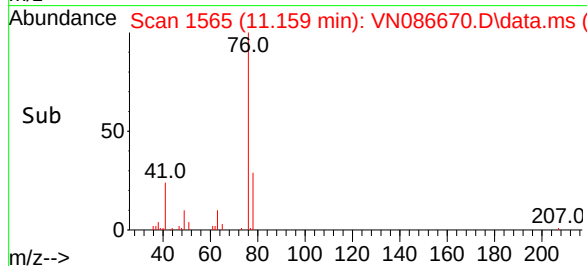
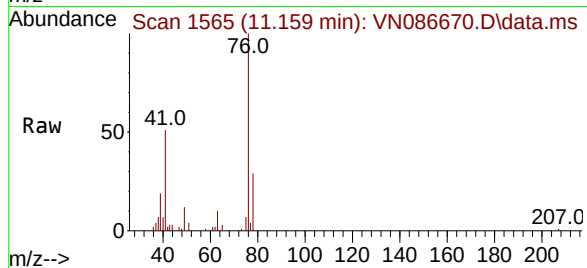
#57
1,3-Dichloropropane
Concen: 4.967 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 2134
Ion Ratio Lower Upper
76 100
78 32.5 25.8 38.8

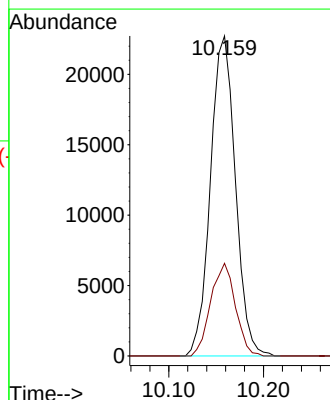
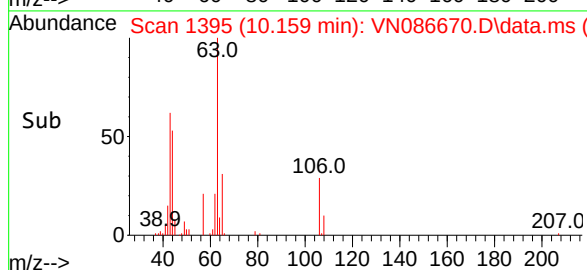
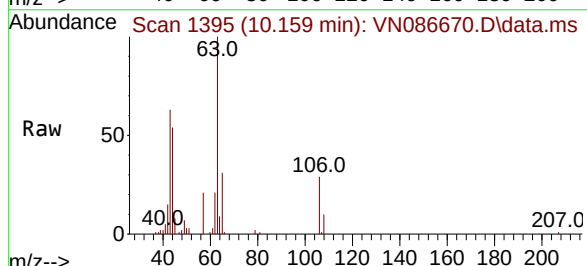
Manual Integrations
APPROVED

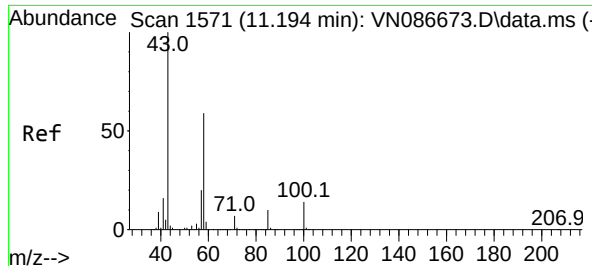
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#58
2-Chloroethyl Vinyl ether
Concen: 20.009 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Tgt Ion: 63 Resp: 41611
Ion Ratio Lower Upper
63 100
106 28.6 23.1 34.7





#59

2-Hexanone

Concen: 21.598 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 57600

Ion Ratio Lower Upper

43 100

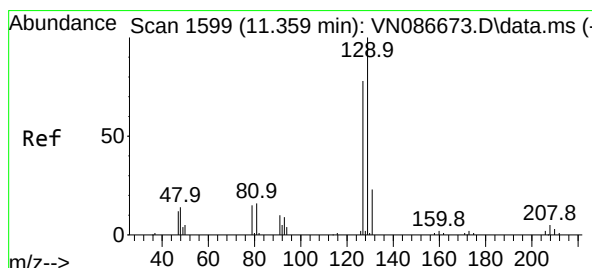
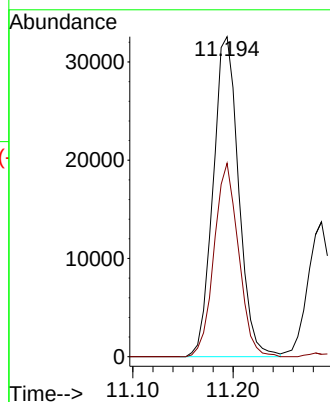
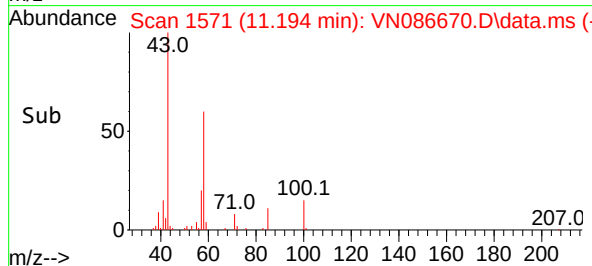
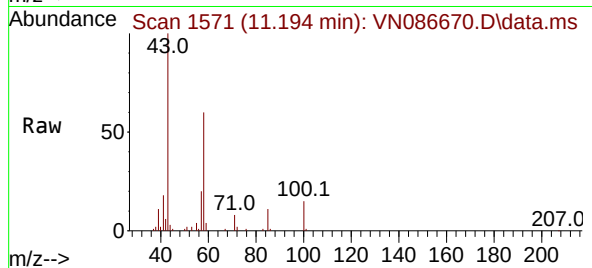
58 57.9 29.8 89.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#60

Dibromochloromethane

Concen: 4.568 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. -0.000 min

Lab File: VN086670.D

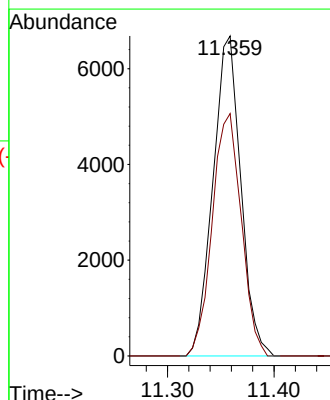
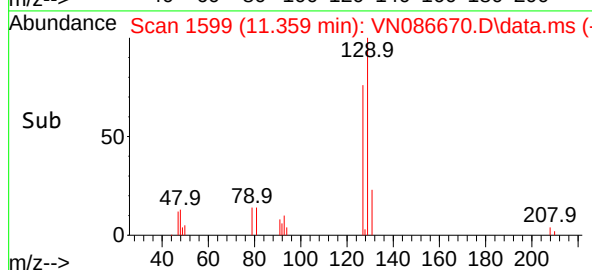
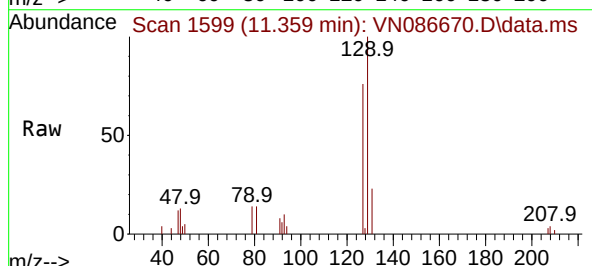
Acq: 16 May 2025 16:55

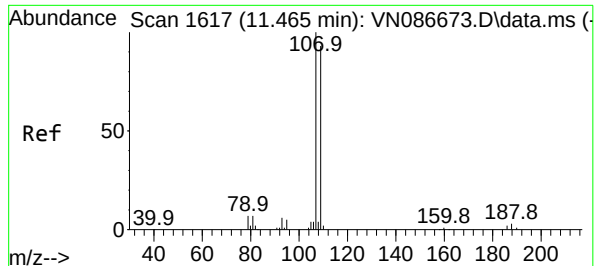
Tgt Ion:129 Resp: 12131

Ion Ratio Lower Upper

129 100

127 78.9 39.5 118.3





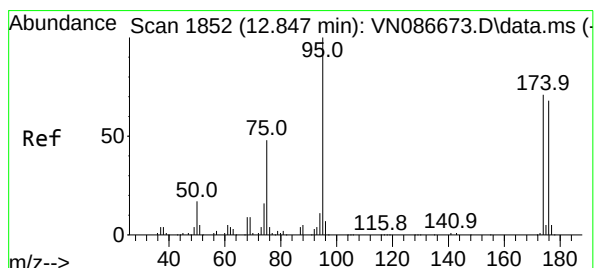
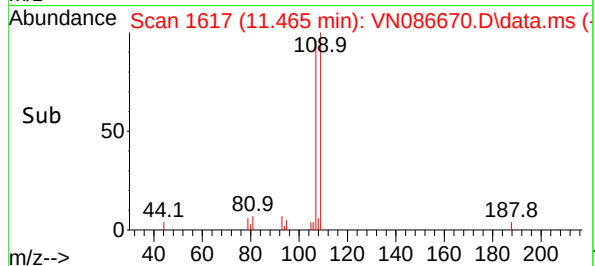
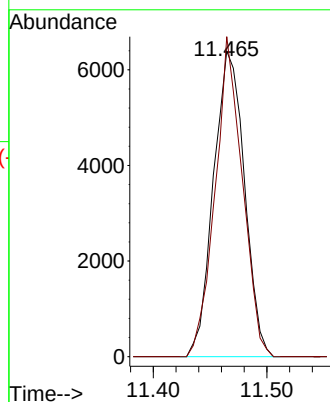
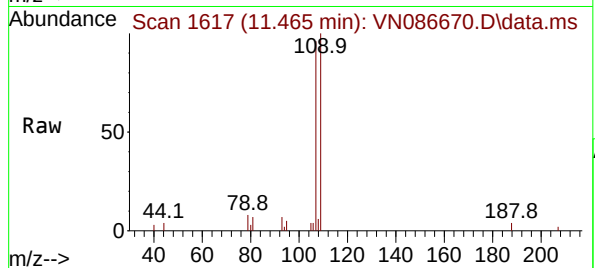
#61
1,2-Dibromoethane
Concen: 4.917 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:107 Resp: 12079
Ion Ratio Lower Upper
107 100
109 92.0 75.0 112.4

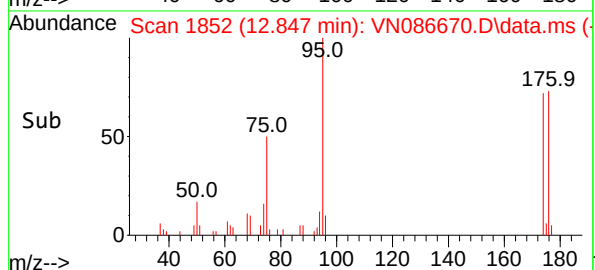
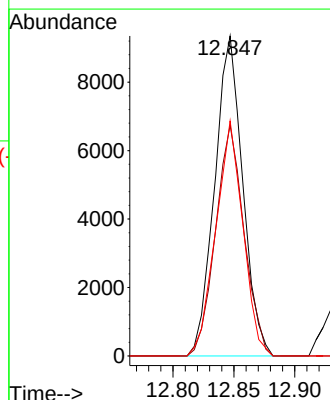
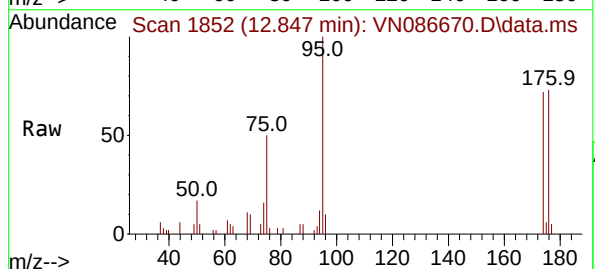
Manual Integrations
APPROVED

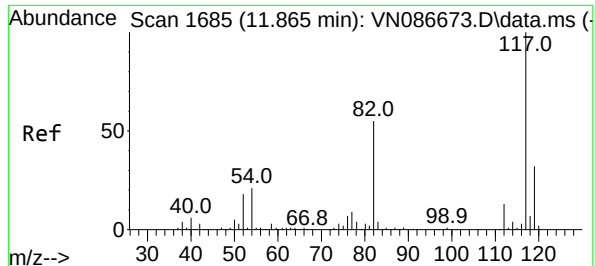
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#62
4-Bromofluorobenzene
Concen: 4.570 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Tgt Ion: 95 Resp: 14966
Ion Ratio Lower Upper
95 100
174 73.3 0.0 145.4
176 71.0 0.0 137.8





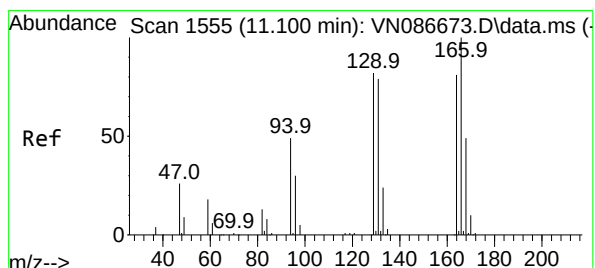
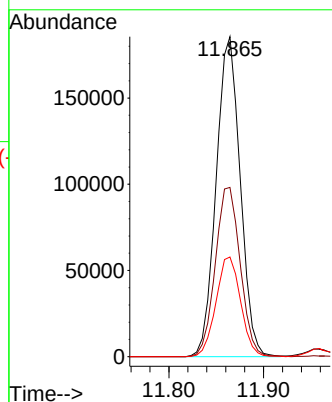
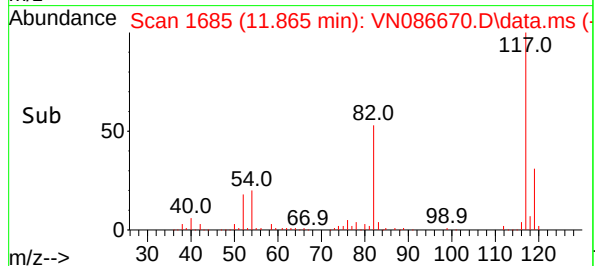
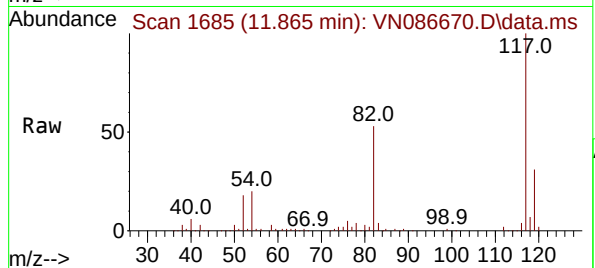
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 32774
Ion Ratio Lower Upper
117 100
82 52.9 44.2 66.2
119 31.1 25.4 38.2

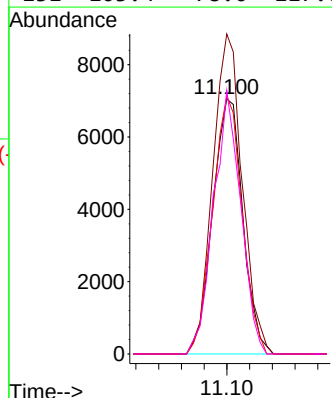
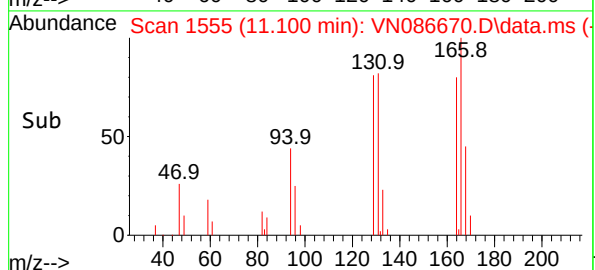
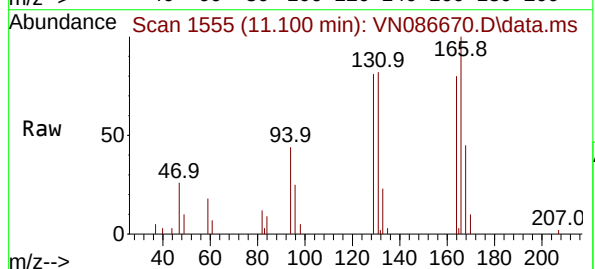
Manual Integrations
APPROVED

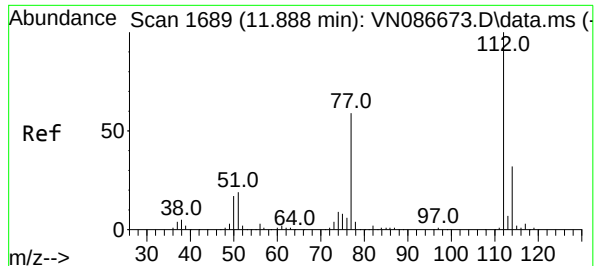
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#64
Tetrachloroethene
Concen: 5.155 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Tgt Ion:164 Resp: 12989
Ion Ratio Lower Upper
164 100
166 125.5 98.2 147.4
129 101.3 81.0 121.4
131 103.4 78.0 117.0





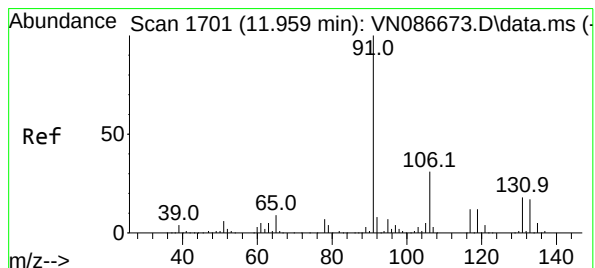
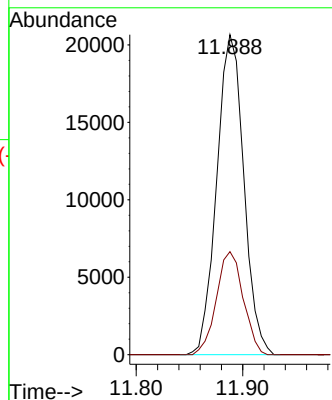
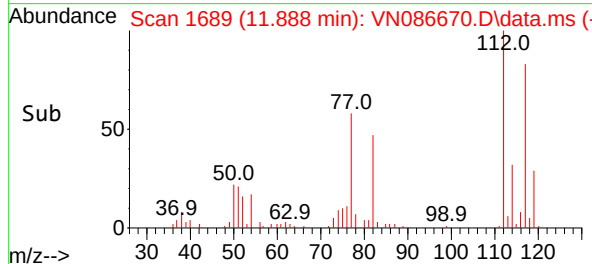
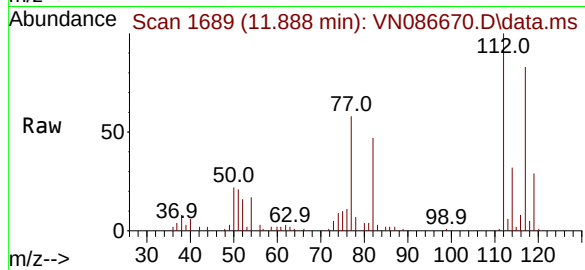
#65
Chlorobenzene
Concen: 4.975 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:112 Resp: 3644
Ion Ratio Lower Upper
112 100
114 32.2 25.9 38.9

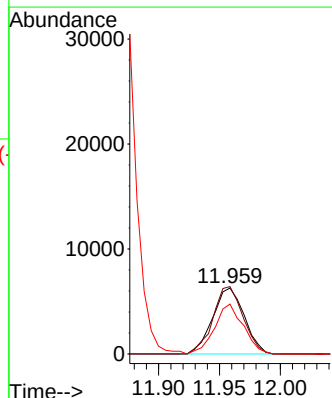
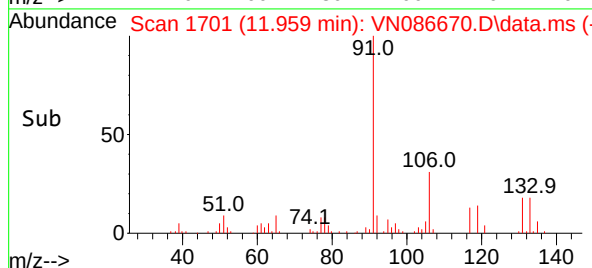
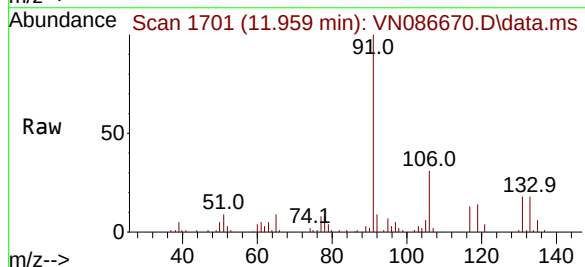
Manual Integrations
APPROVED

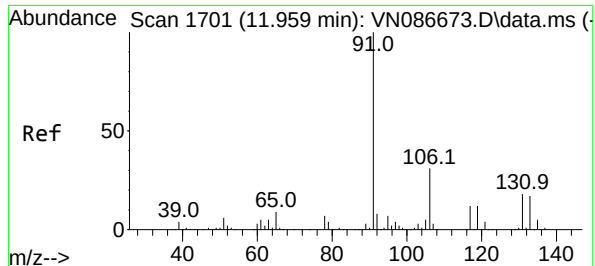
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 4.696 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

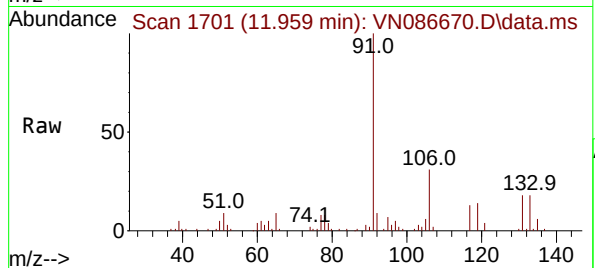
Tgt Ion:131 Resp: 11341
Ion Ratio Lower Upper
131 100
133 97.6 47.9 143.7
119 68.8 33.6 100.8





#67
Ethyl Benzene
Concen: 4.582 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

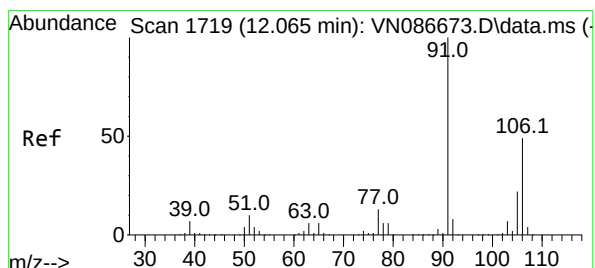
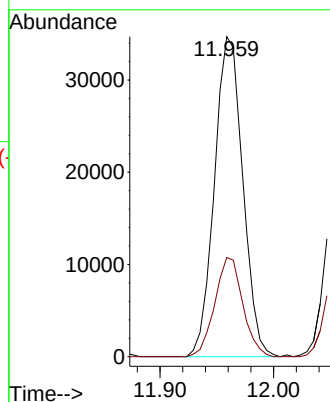
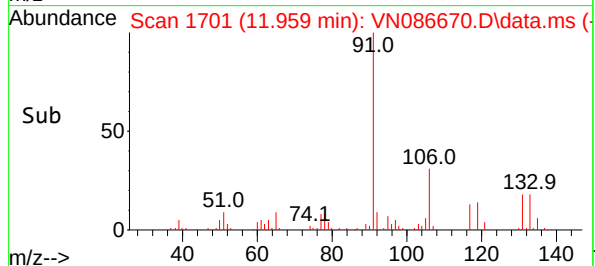
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



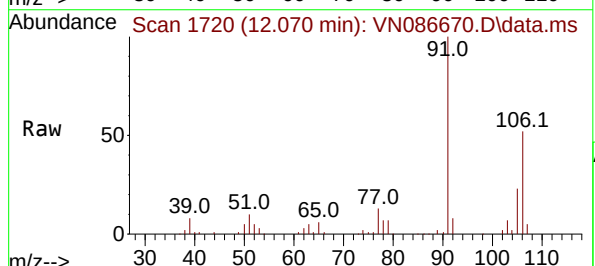
Tgt Ion: 91 Resp: 6021
Ion Ratio Lower Upper
91 100
106 31.0 24.6 36.8

Manual Integrations
APPROVED

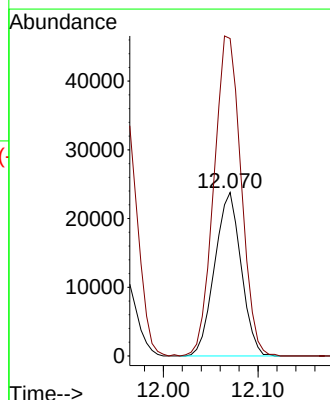
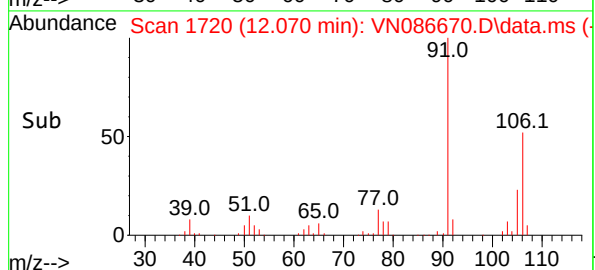
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

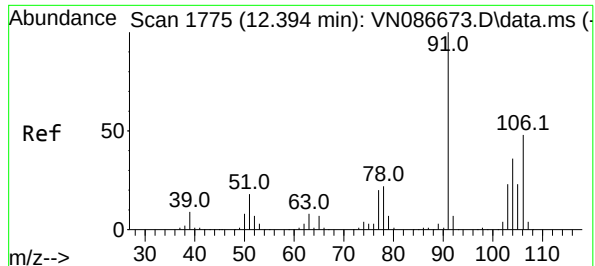


#68
m/p-Xylenes
Concen: 9.352 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55



Tgt Ion:106 Resp: 46152
Ion Ratio Lower Upper
106 100
91 201.0 162.4 243.6





#69

o-Xylene

Concen: 4.659 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 22829

Ion Ratio Lower Upper

106 100

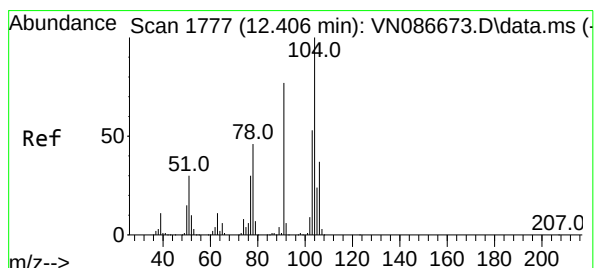
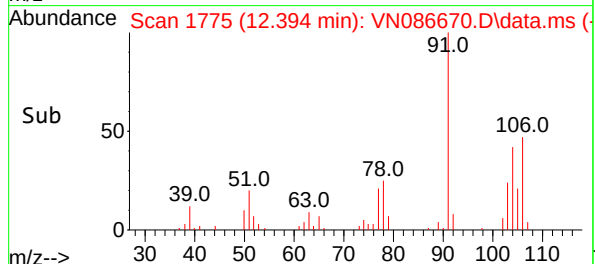
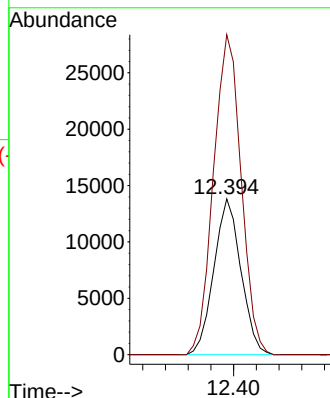
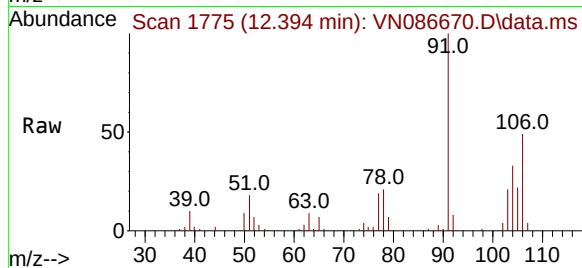
91 210.1 105.1 315.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#70

Styrene

Concen: 4.513 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

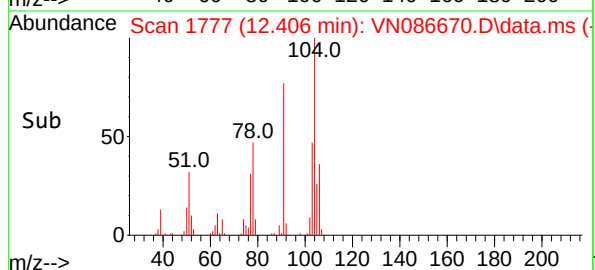
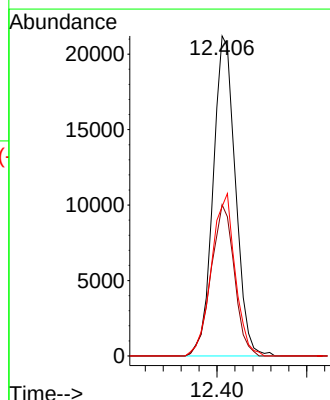
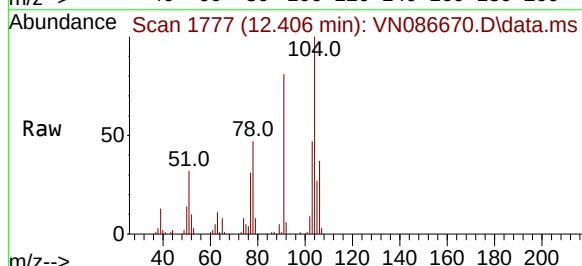
Tgt Ion:104 Resp: 36686

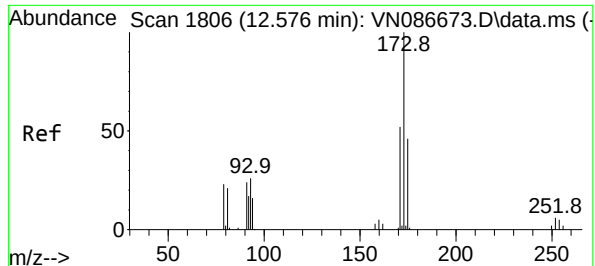
Ion Ratio Lower Upper

104 100

78 49.1 39.0 58.6

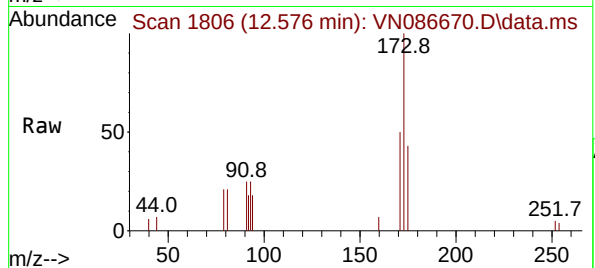
103 53.8 43.8 65.8





#71
Bromoform
Concen: 4.376 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

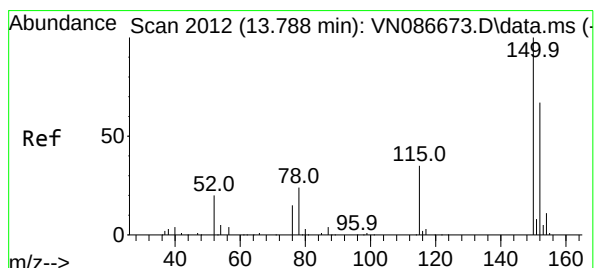
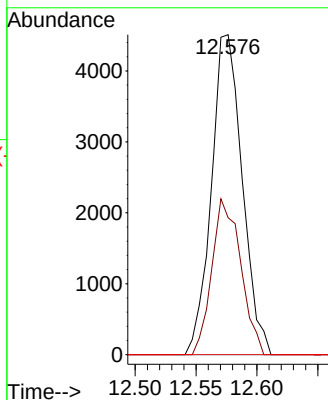
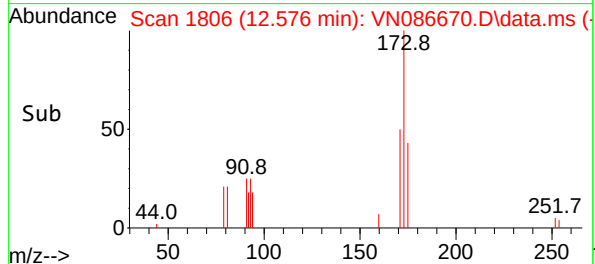
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



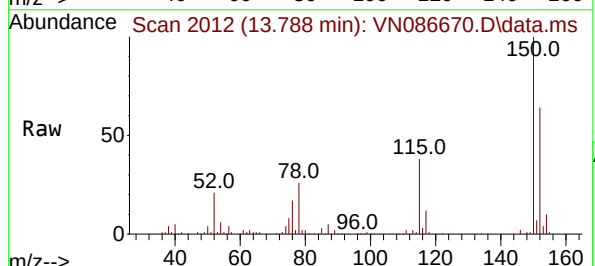
Tgt Ion:173 Resp: 7950
Ion Ratio Lower Upper
173 100
175 45.4 23.4 70.2
254 0.0 0.0 0.0

Manual Integrations
APPROVED

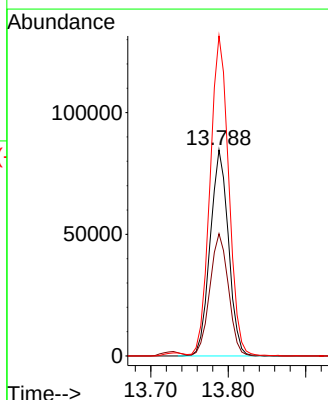
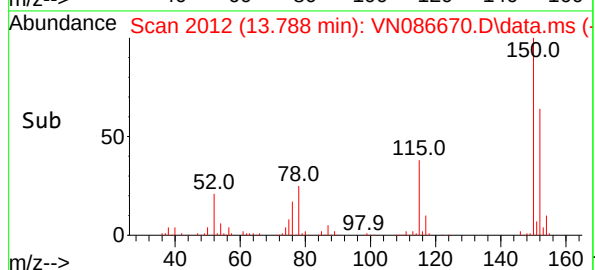
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

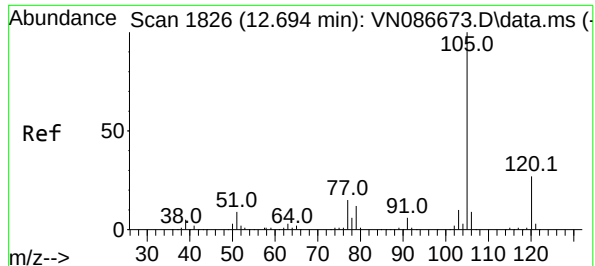


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55



Tgt Ion:152 Resp: 138972
Ion Ratio Lower Upper
152 100
115 60.2 30.0 90.1
150 158.8 0.0 347.8





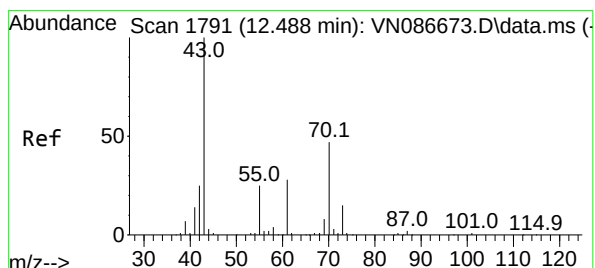
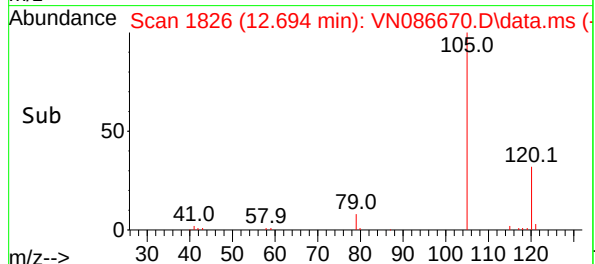
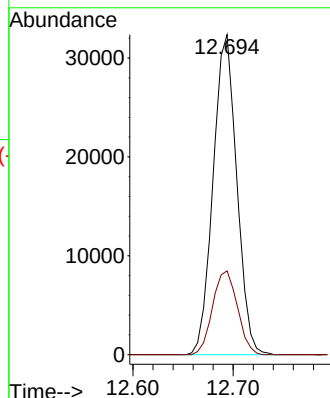
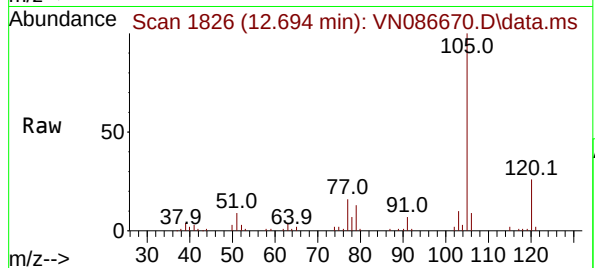
#73
Isopropylbenzene
Concen: 4.698 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 105 Resp: 53004
Ion Ratio Lower Upper
105 100
120 27.5 13.4 40.1

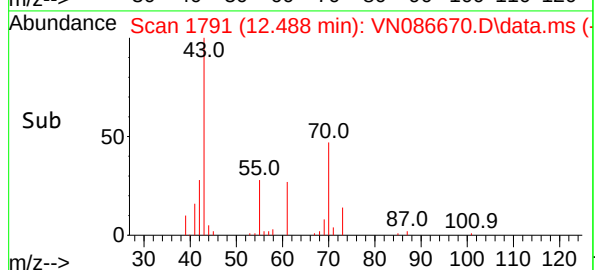
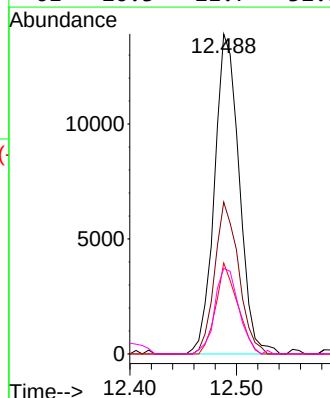
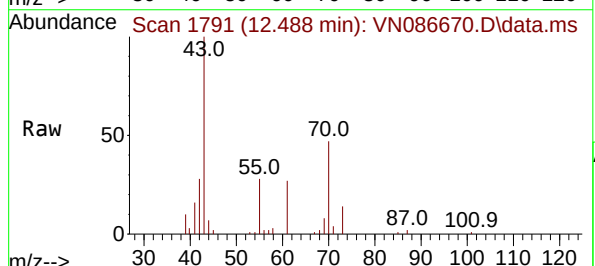
Manual Integrations
APPROVED

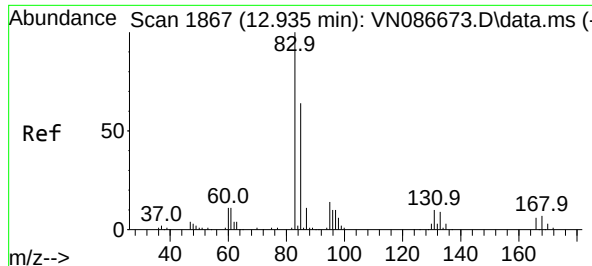
Reviewed By : John Carlone 05/19/2025
Supervised By : Mahesh Dadoda 05/19/2025



#74
N-ethyl acetate
Concen: 4.051 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

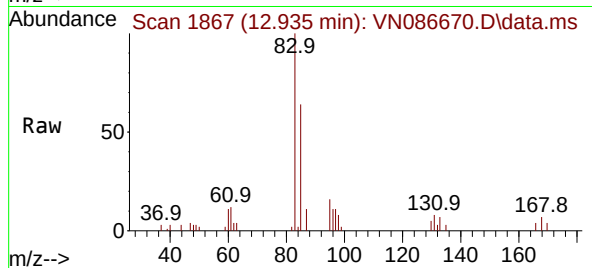
Tgt Ion: 43 Resp: 22422
Ion Ratio Lower Upper
43 100
70 46.0 37.9 56.9
55 24.9 20.5 30.7
61 26.3 21.7 32.5





#75
1,1,2,2-Tetrachloroethane
Concen: 5.308 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

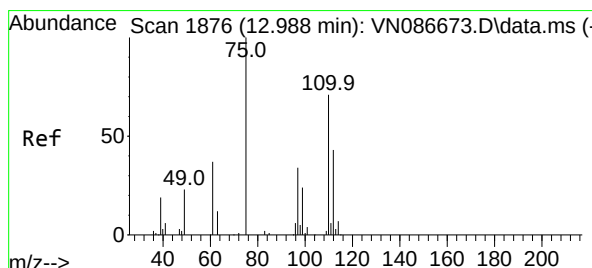
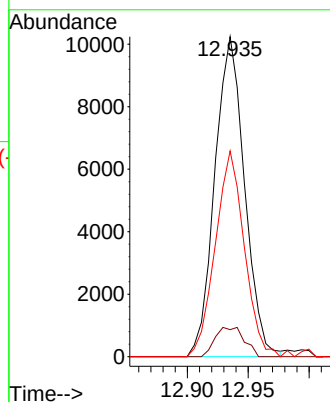
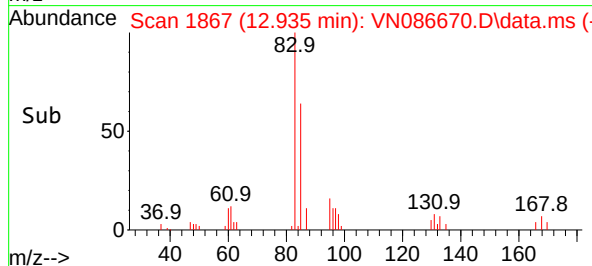
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 83 Resp: 1739
Ion Ratio Lower Upper
83 100
131 9.0 5.0 15.0
85 62.6 32.4 97.2

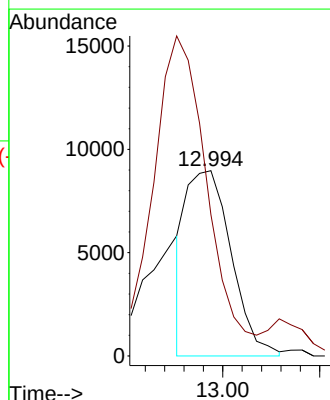
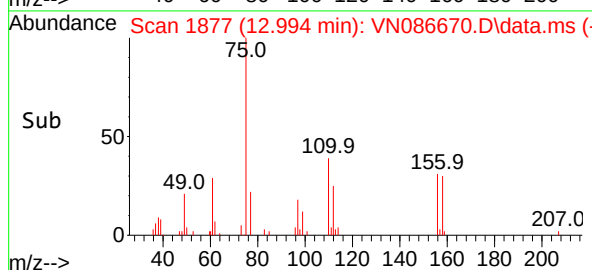
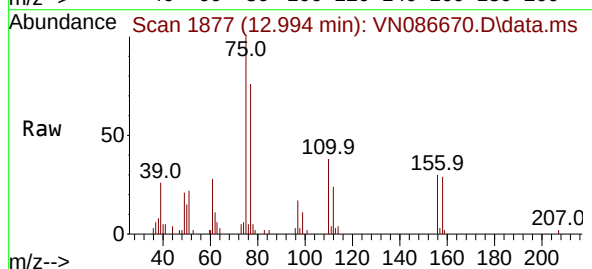
Manual Integrations
APPROVED

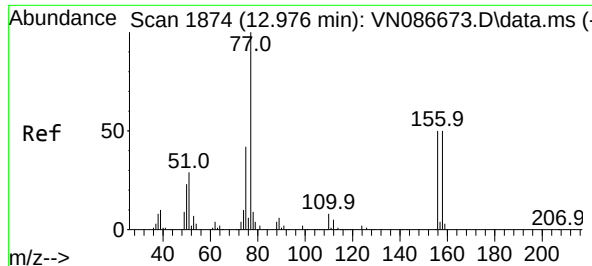
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#76
1,2,3-Trichloropropane
Concen: 4.438 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Tgt Ion: 75 Resp: 14523
Ion Ratio Lower Upper
75 100
77 208.0 96.0 288.1





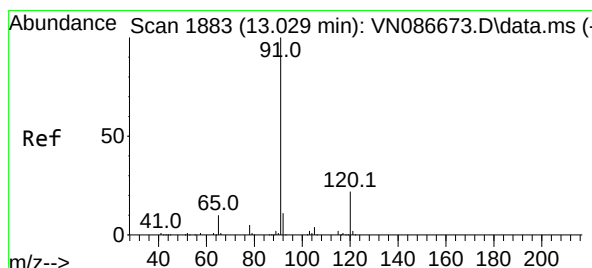
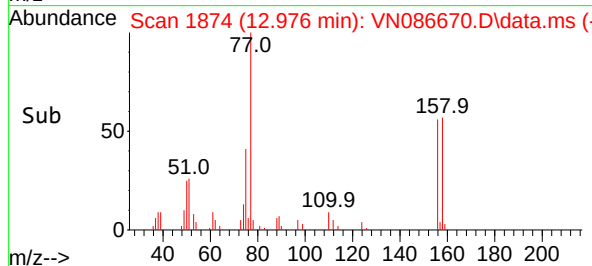
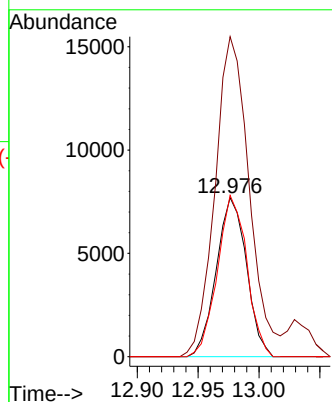
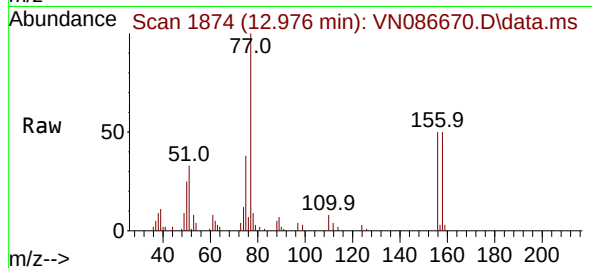
#77
Bromobenzene
Concen: 5.241 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:156 Resp: 1325
Ion Ratio Lower Upper
156 100
77 228.0 113.1 339.2
158 99.0 48.6 145.9

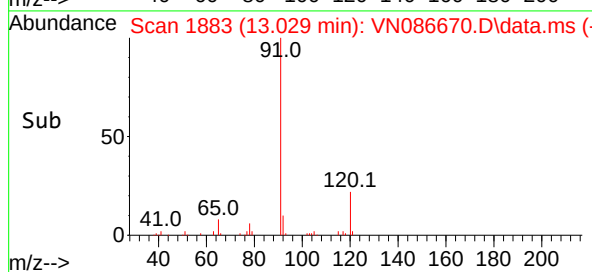
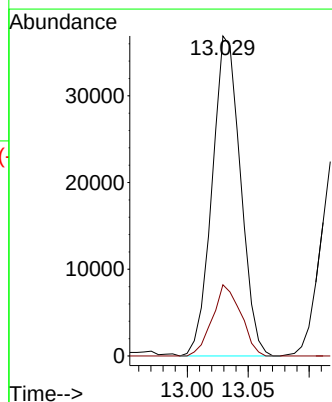
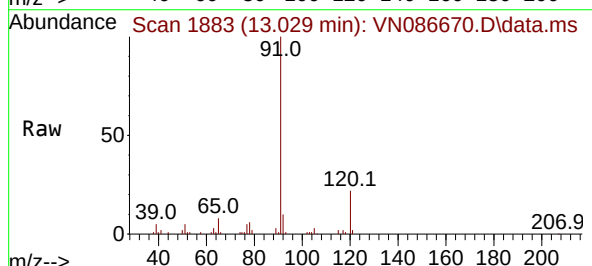
Manual Integrations
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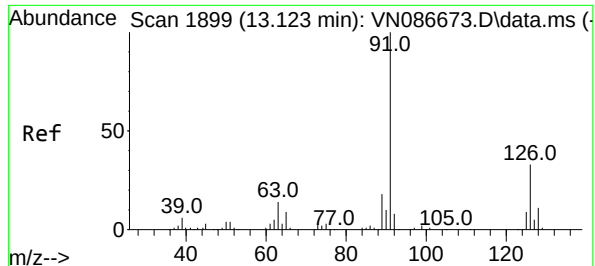
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#78
n-propylbenzene
Concen: 4.507 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Tgt Ion: 91 Resp: 59767
Ion Ratio Lower Upper
91 100
120 22.3 11.4 34.1





#79

2-Chlorotoluene

Concen: 4.856 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 4049

Ion Ratio Lower Upper

91 100

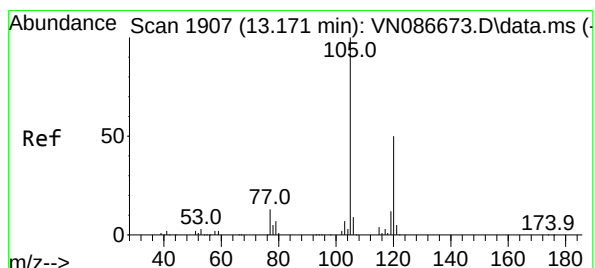
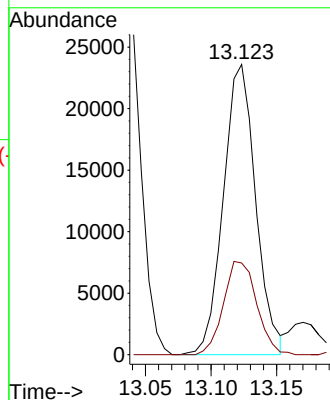
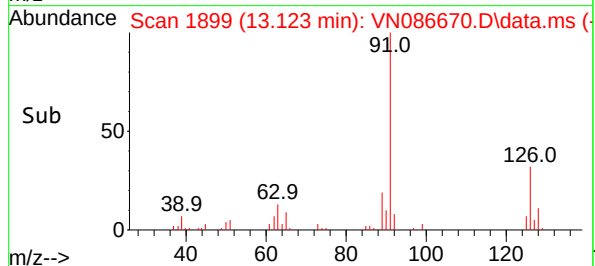
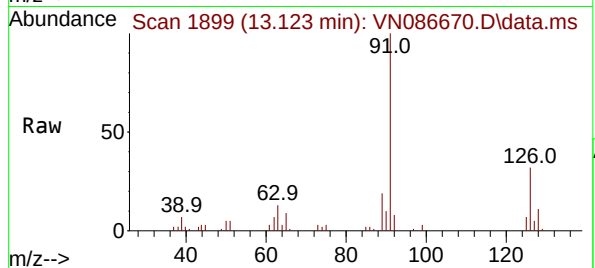
126 33.0 16.6 49.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#80

1,3,5-Trimethylbenzene

Concen: 4.589 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN086670.D

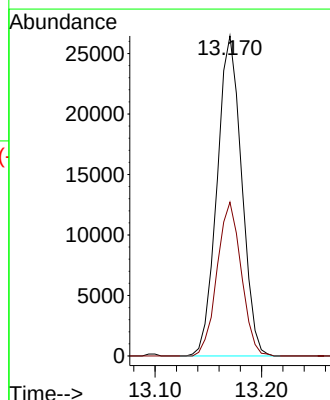
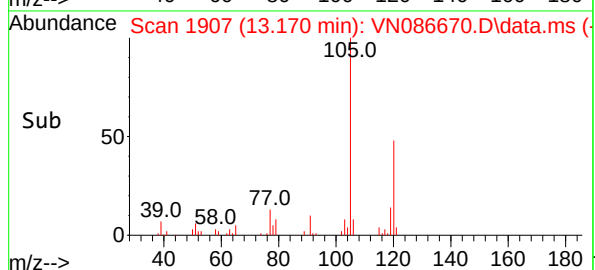
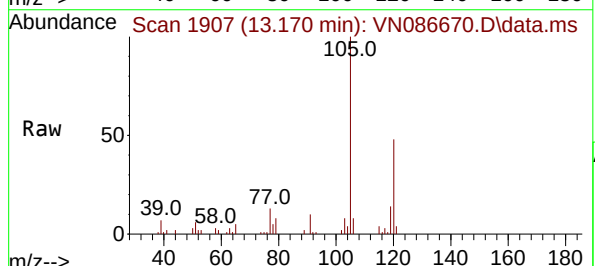
Acq: 16 May 2025 16:55

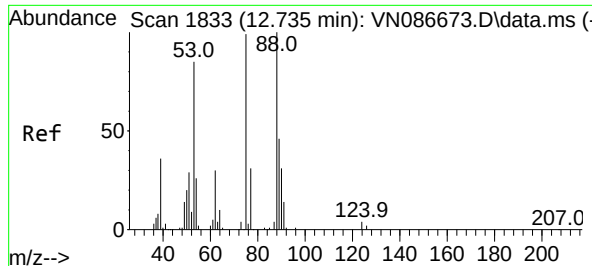
Tgt Ion:105 Resp: 42383

Ion Ratio Lower Upper

105 100

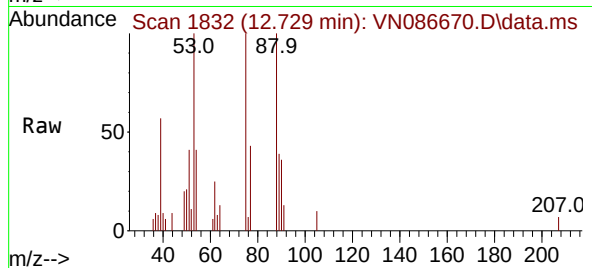
120 47.2 24.9 74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 3.983 ug/l
RT: 12.729 min Scan# 1832
Delta R.T. -0.006 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

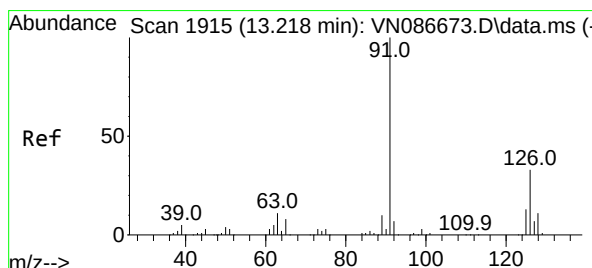
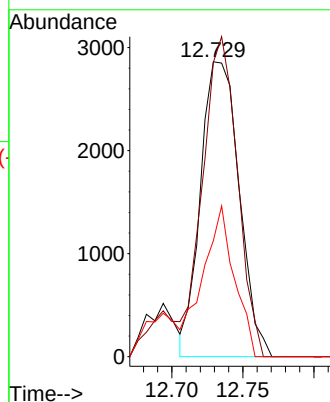
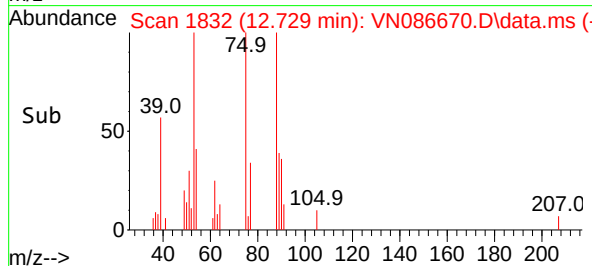
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 541
Ion Ratio Lower Upper
75 100
53 97.6 70.4 105.6
89 41.8 32.4 48.6

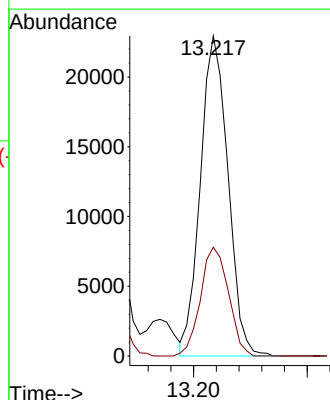
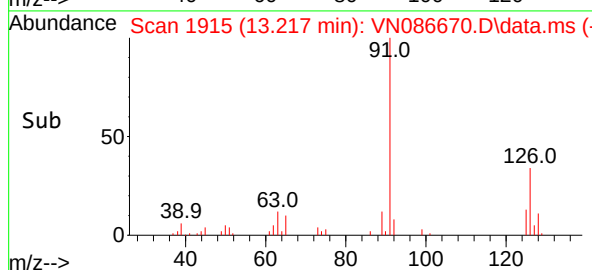
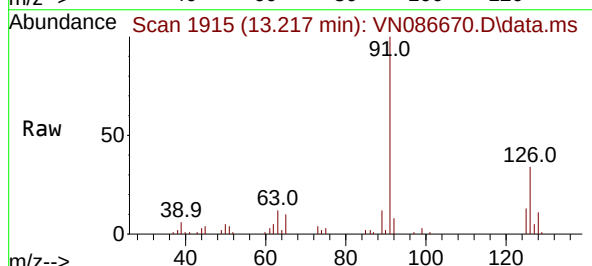
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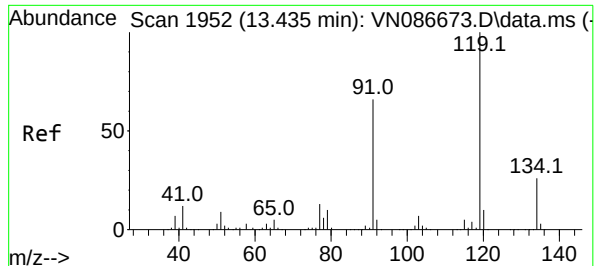
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#82
4-Chlorotoluene
Concen: 4.691 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Tgt Ion: 91 Resp: 38730
Ion Ratio Lower Upper
91 100
126 34.4 17.0 50.9





#83

tert-Butylbenzene

Concen: 4.577 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:119 Resp: 3666

Ion Ratio Lower Upper

119 100

91 66.3 32.9 98.7

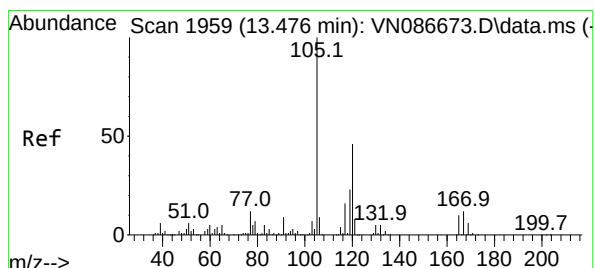
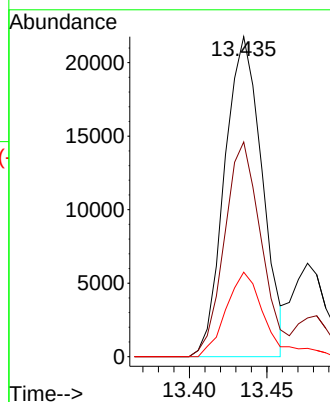
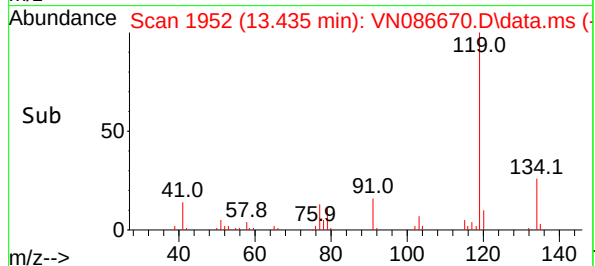
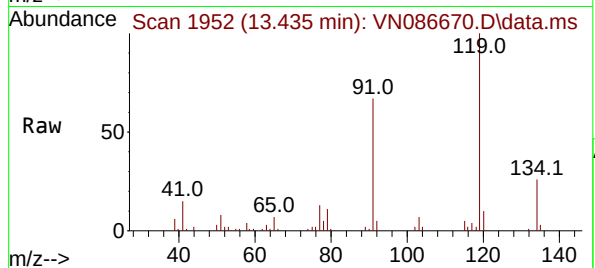
134 27.5 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#84

1,2,4-Trimethylbenzene

Concen: 4.445 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.000 min

Lab File: VN086670.D

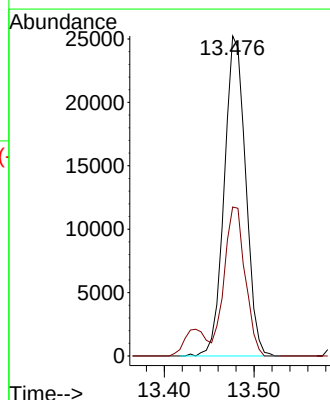
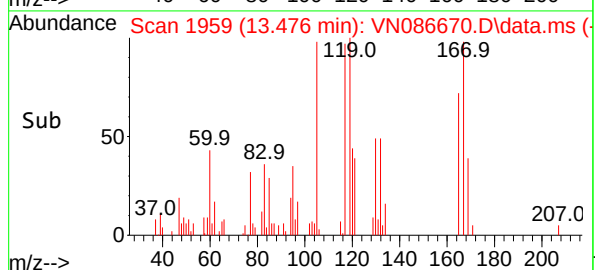
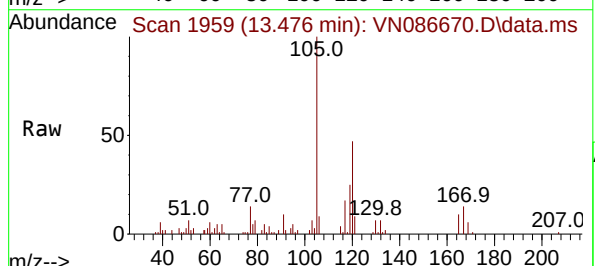
Acq: 16 May 2025 16:55

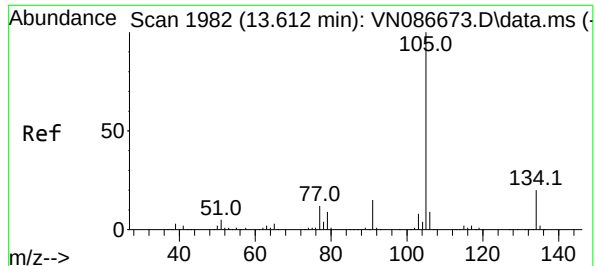
Tgt Ion:105 Resp: 41716

Ion Ratio Lower Upper

105 100

120 45.4 23.2 69.6





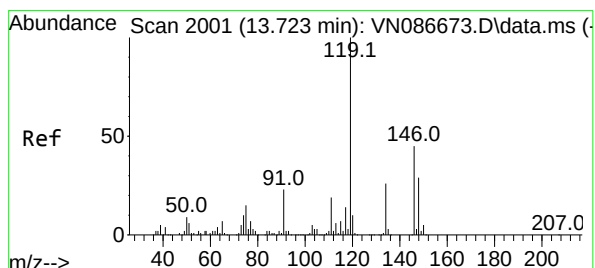
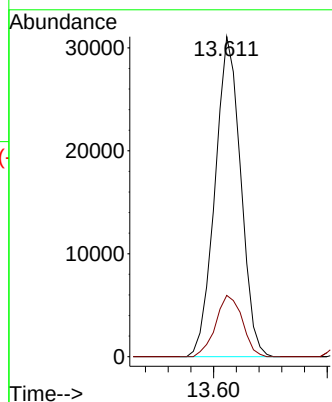
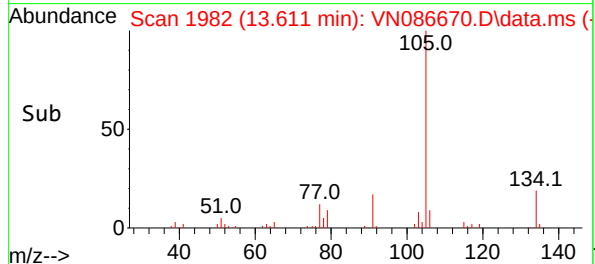
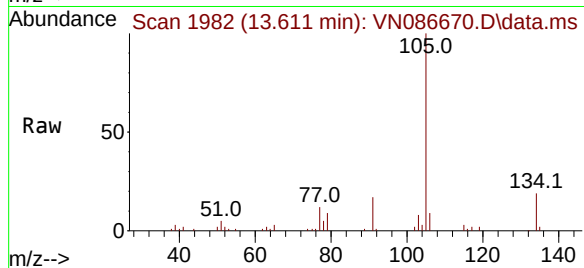
#85
sec-Butylbenzene
Concen: 4.426 ug/l
RT: 13.611 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 4886
Ion Ratio Lower Upper
105 100
134 19.8 10.1 30.1

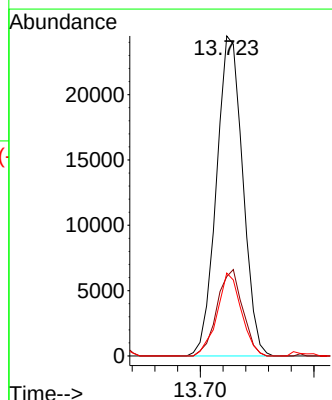
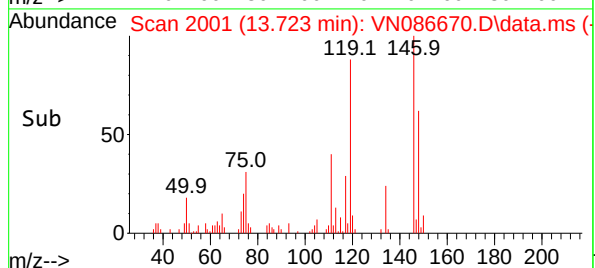
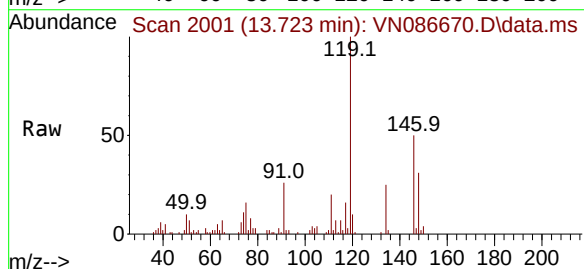
Manual Integrations
APPROVED

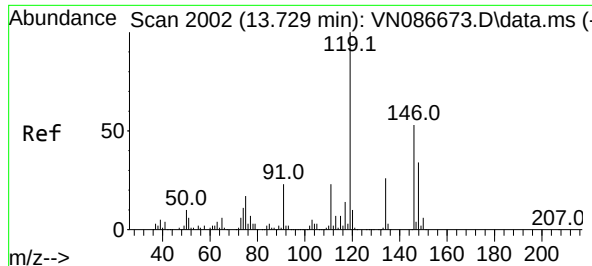
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#86
p-Isopropyltoluene
Concen: 4.330 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Tgt Ion:119 Resp: 39399
Ion Ratio Lower Upper
119 100
134 26.3 13.1 39.1
91 23.9 11.5 34.5





#87

1,3-Dichlorobenzene

Concen: 5.037 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

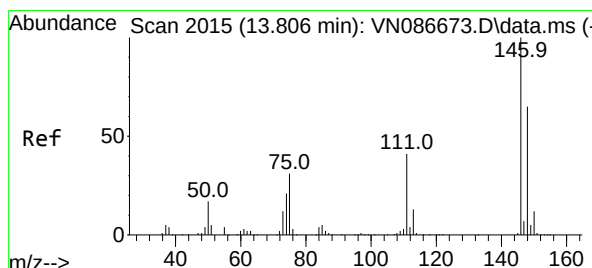
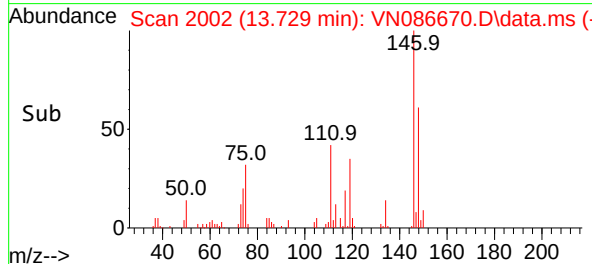
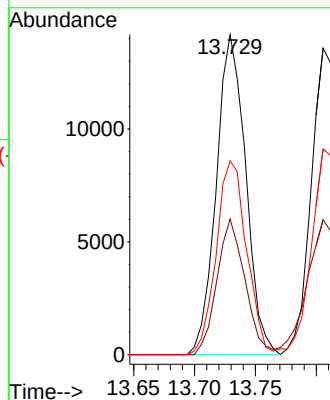
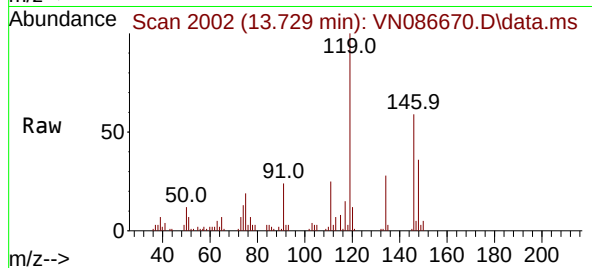
Tgt Ion:	146	Resp:	23834
Ion Ratio	Lower	Upper	
146	100		
111	40.4	20.9	62.7
148	62.5	31.8	95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#88

1,4-Dichlorobenzene

Concen: 4.889 ug/l

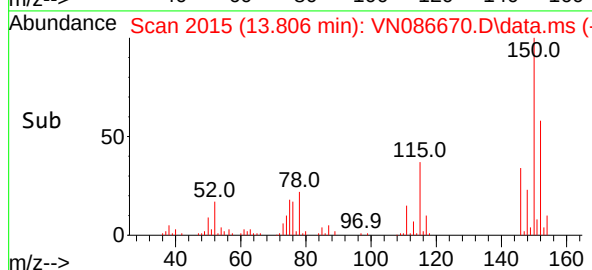
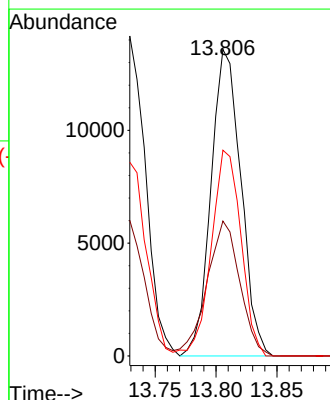
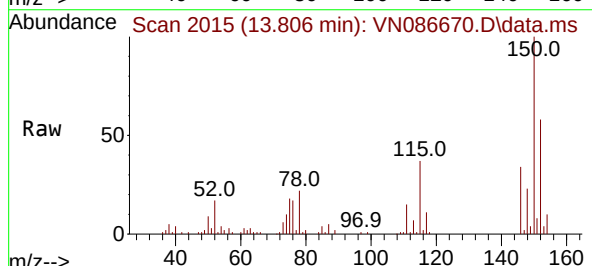
RT: 13.806 min Scan# 2015

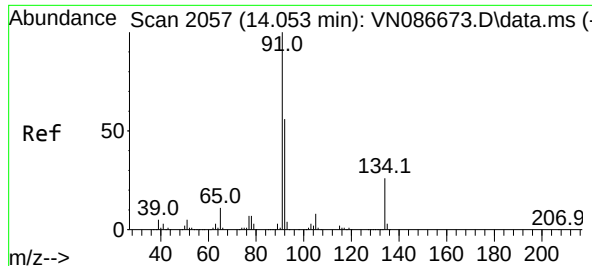
Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Tgt Ion:	146	Resp:	23246
Ion Ratio	Lower	Upper	
146	100		
111	48.5	20.6	61.8
148	66.7	32.0	96.0





#89

n-Butylbenzene

Concen: 3.957 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

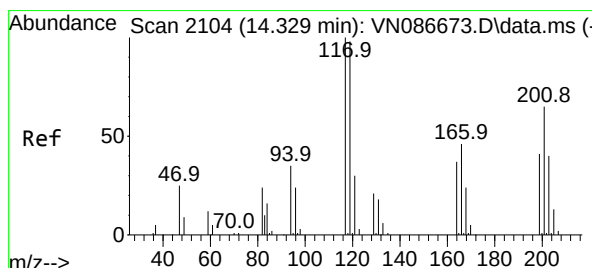
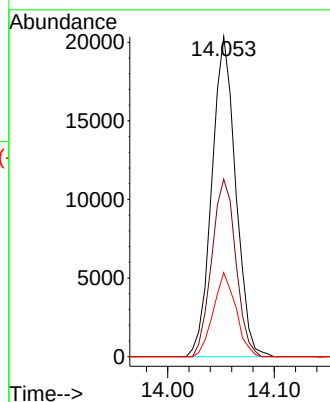
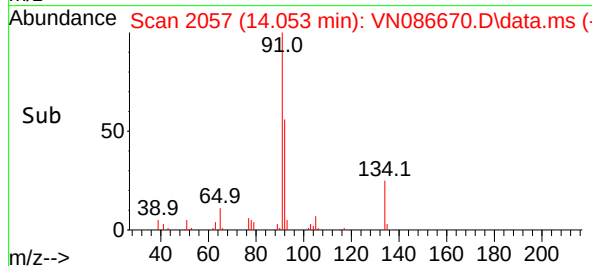
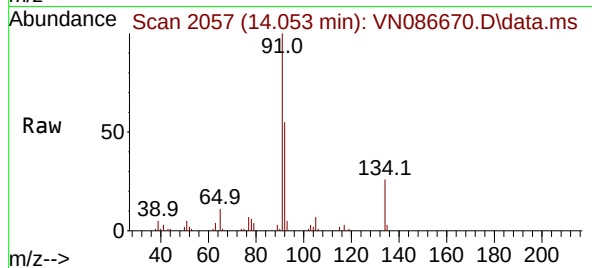
Tgt Ion:	91	Resp:	3160
Ion	Ratio	Lower	Upper
91	100		
92	56.0	27.4	82.0
134	24.9	12.8	38.4

Manual Integrations

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Reviewed By :John Carbone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#90

Hexachloroethane

Concen: 4.292 ug/l

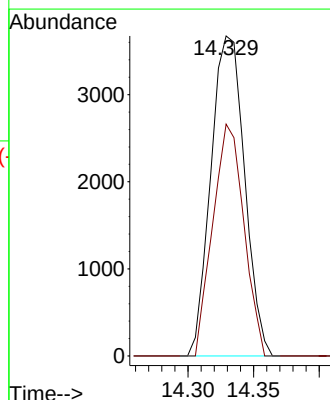
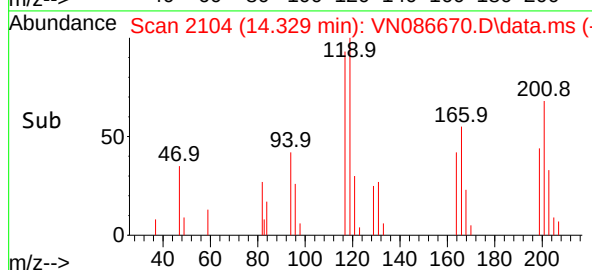
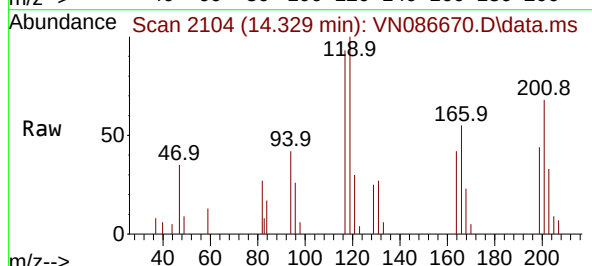
RT: 14.329 min Scan# 2104

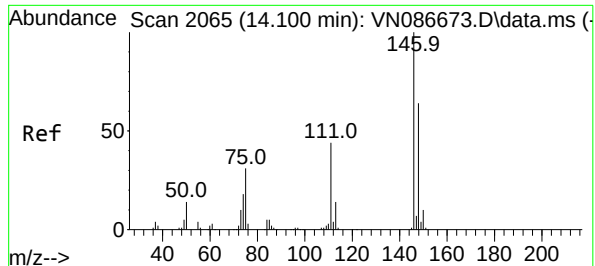
Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Tgt Ion:	117	Resp:	6569
Ion	Ratio	Lower	Upper
117	100		
201	66.7	32.0	96.0





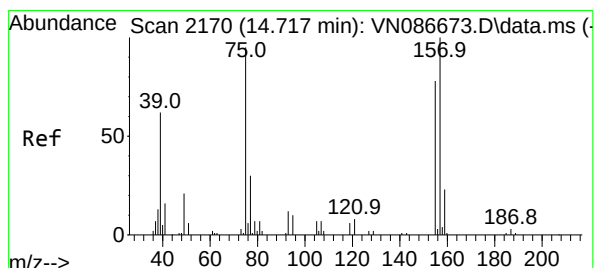
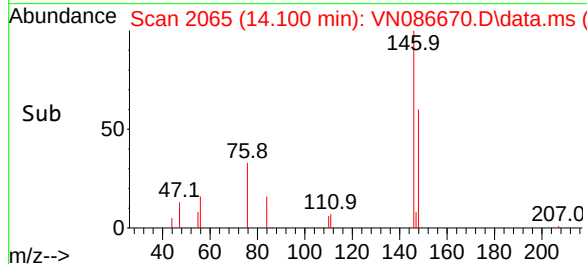
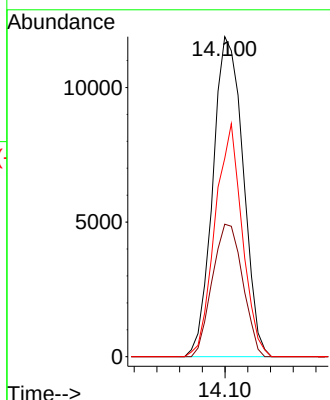
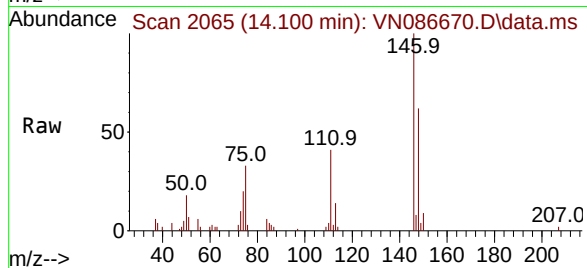
#91
1,2-Dichlorobenzene
Concen: 4.803 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 2203
Ion Ratio Lower Upper
146 100
111 41.5 21.6 65.0
148 65.5 31.7 95.1

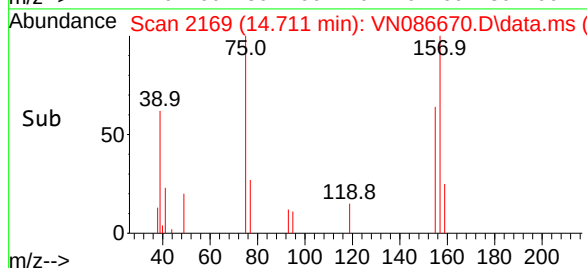
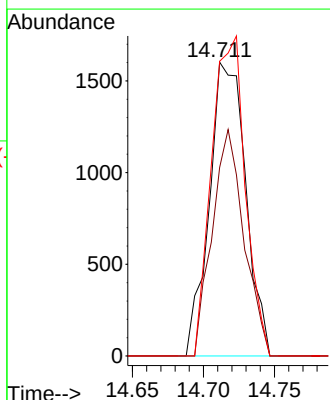
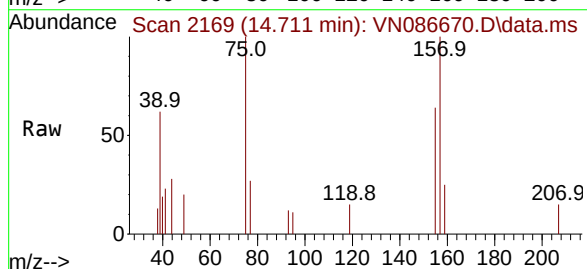
Manual Integrations
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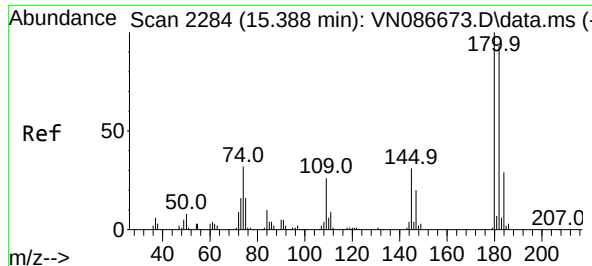
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.399 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Tgt Ion: 75 Resp: 2855
Ion Ratio Lower Upper
75 100
155 67.3 40.5 121.5
157 100.6 53.6 160.8





#93

1,2,4-Trichlorobenzene

Concen: 4.045 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

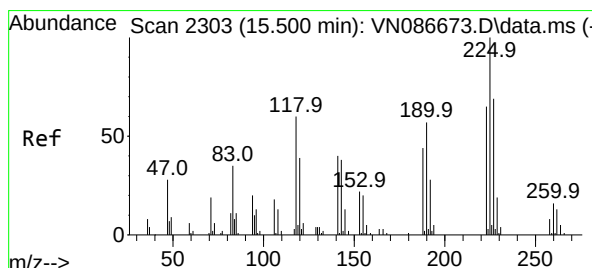
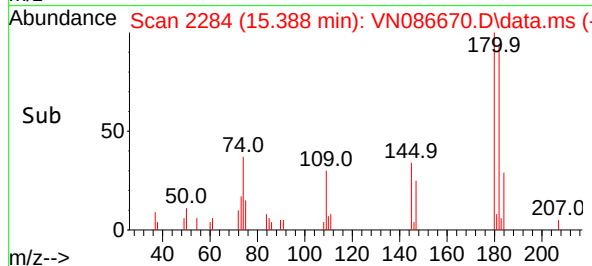
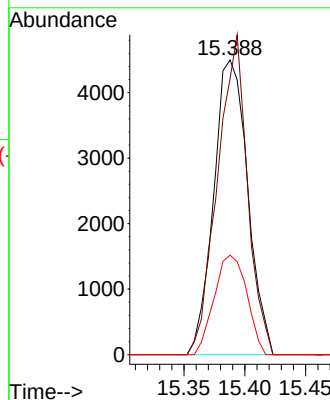
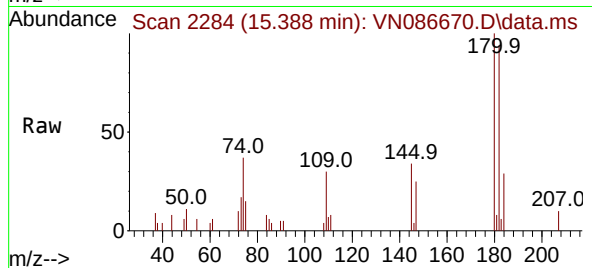
Tgt Ion:	180	Resp:	874
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.1	141.3
145	32.3	15.6	46.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#94

Hexachlorobutadiene

Concen: 4.737 ug/l

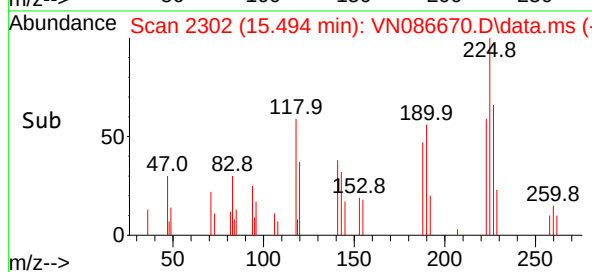
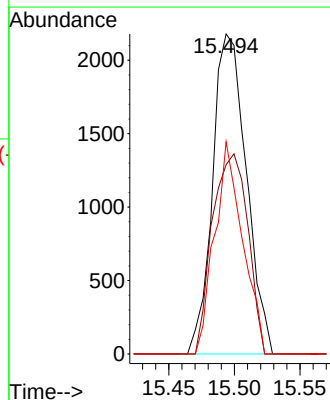
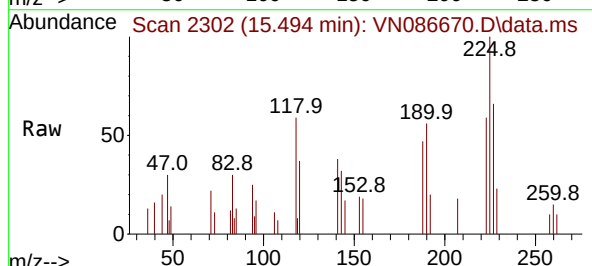
RT: 15.494 min Scan# 2302

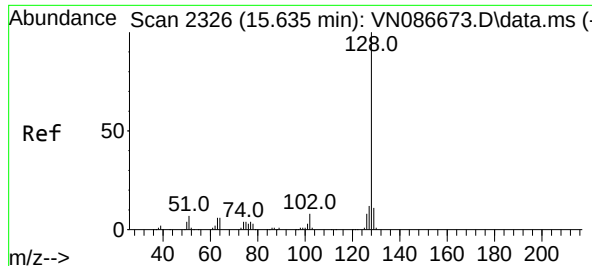
Delta R.T. -0.006 min

Lab File: VN086670.D

Acq: 16 May 2025 16:55

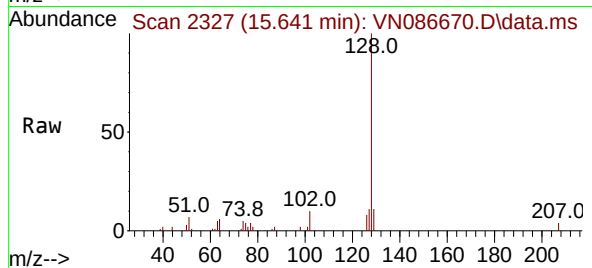
Tgt Ion:	225	Resp:	3892
Ion Ratio	Lower	Upper	
225	100		
223	65.8	32.9	98.6
227	55.1	32.4	97.2





#95
Naphthalene
Concen: 3.845 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

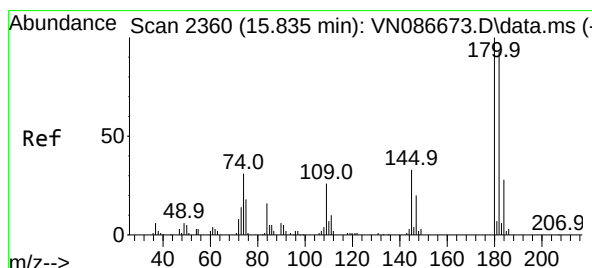
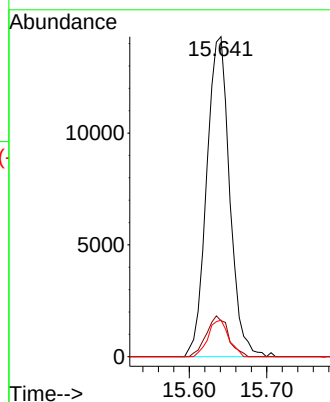
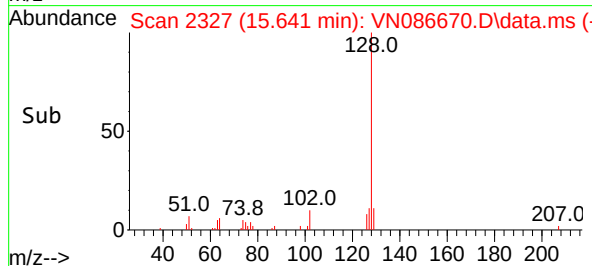
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion:128 Resp: 2950
Ion Ratio Lower Upper
128 100
127 12.2 10.1 15.1
129 10.2 8.6 13.0

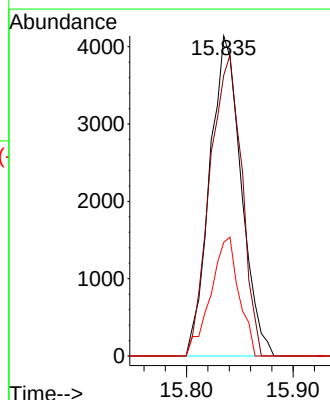
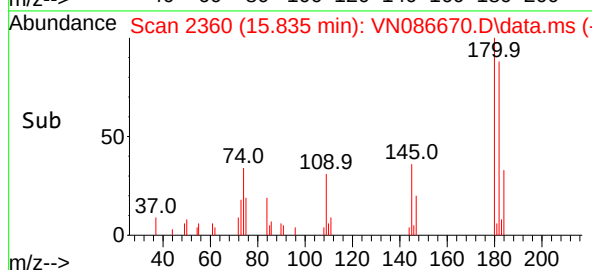
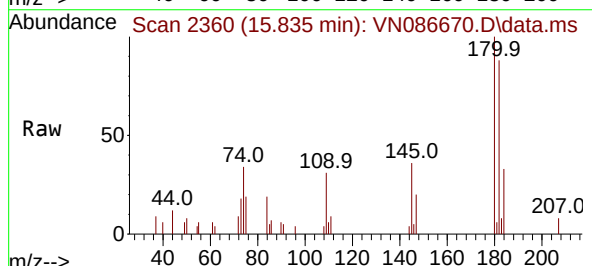
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.134 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086670.D
Acq: 16 May 2025 16:55

Tgt Ion:180 Resp: 8499
Ion Ratio Lower Upper
180 100
182 94.6 47.0 141.2
145 33.3 16.7 50.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
 Data File : VN086671.D
 Acq On : 16 May 2025 17:19
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Quant Time: May 17 00:13:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:09:38 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/19/2025
 Supervised By : Mahesh Dadoda 05/19/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	190888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	347826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	310401	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	25122	9.141	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	18.280%#		
35) Dibromofluoromethane	8.159	113	20087	11.605	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	23.220%#		
50) Toluene-d8	10.565	98	80603	9.343	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	18.680%#		
62) 4-Bromofluorobenzene	12.847	95	28023	8.941	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	17.880%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	24398	10.757	ug/l	99
3) Chloromethane	2.359	50	32457	9.817	ug/l	97
4) Vinyl Chloride	2.512	62	29779	9.561	ug/l	99
5) Bromomethane	2.965	94	16825	11.623	ug/l	98
6) Chloroethane	3.118	64	19426	9.346	ug/l	92
7) Trichlorofluoromethane	3.500	101	34059	9.768	ug/l	92
8) Diethyl Ether	3.965	74	13912	9.221	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	20760	9.864	ug/l	97
10) Methyl Iodide	4.583	142	25084	10.666	ug/l	98
11) Tert butyl alcohol	5.524	59	24828	49.332	ug/l	96
12) 1,1-Dichloroethene	4.342	96	21501	9.579	ug/l	98
13) Acrolein	4.177	56	25323	73.840	ug/l	98
14) Allyl chloride	5.024	41	34751	8.848	ug/l	94
15) Acrylonitrile	5.724	53	60987	48.997	ug/l	98
16) Acetone	4.430	43	49424	44.862	ug/l	97
17) Carbon Disulfide	4.706	76	58965	8.778	ug/l	99
18) Methyl Acetate	5.018	43	26047	8.021	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	73019	8.908	ug/l	98
20) Methylene Chloride	5.283	84	25575	9.965	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	22422	9.539	ug/l	93
22) Diisopropyl ether	6.671	45	73555	8.584	ug/l	97
23) Vinyl Acetate	6.600	43	273527m	45.155	ug/l	
24) 1,1-Dichloroethane	6.565	63	42997	9.421	ug/l	98
25) 2-Butanone	7.482	43	75976	44.487	ug/l	100
26) 2,2-Dichloropropane	7.488	77	35543	8.785	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	27508	9.439	ug/l	100
28) Bromochloromethane	7.812	49	19798	10.145	ug/l	99
29) Tetrahydrofuran	7.841	42	50074	43.856	ug/l	100
30) Chloroform	7.959	83	42323	9.413	ug/l	96
31) Cyclohexane	8.259	56	40462	9.148	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	36234	9.412	ug/l	94
36) 1,1-Dichloropropene	8.371	75	30748	9.561	ug/l	99
37) Ethyl Acetate	7.559	43	30656	9.064	ug/l	99
38) Carbon Tetrachloride	8.359	117	29903	9.712	ug/l	98
39) Methylcyclohexane	9.600	83	32439	8.573	ug/l	98
40) Benzene	8.606	78	100693	9.755	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
 Data File : VN086671.D
 Acq On : 16 May 2025 17:19
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2025
 Supervised By : Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:13:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:09:38 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	17107	8.821	ug/l	95
42) 1,2-Dichloroethane	8.665	62	31399	9.553	ug/l	100
43) Isopropyl Acetate	8.688	43	58427	7.234	ug/l	96
44) Trichloroethene	9.353	130	24877	10.137	ug/l	93
45) 1,2-Dichloropropane	9.618	63	23844	9.487	ug/l	94
46) Dibromomethane	9.706	93	16556	10.271	ug/l	98
47) Bromodichloromethane	9.888	83	32635	9.391	ug/l	98
48) Methyl methacrylate	9.676	41	23538	8.034	ug/l	96
49) 1,4-Dioxane	9.694	88	10578	204.120	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	157047	45.680	ug/l	100
52) Toluene	10.629	92	61995	9.627	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	34038	8.850	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	38382	9.072	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	22750	9.795	ug/l	97
56) Ethyl methacrylate	10.871	69	36596	8.636	ug/l	97
57) 1,3-Dichloropropane	11.159	76	39702	9.655	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	83758	42.087	ug/l	99
59) 2-Hexanone	11.194	43	115102	45.097	ug/l	98
60) Dibromochloromethane	11.359	129	24137	9.497	ug/l	98
61) 1,2-Dibromoethane	11.465	107	23669	10.068	ug/l	100
64) Tetrachloroethene	11.100	164	24331	10.197	ug/l	97
65) Chlorobenzene	11.888	112	68845	9.924	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	22204	9.708	ug/l	99
67) Ethyl Benzene	11.959	91	116022	9.322	ug/l	98
68) m/p-Xylenes	12.070	106	89159	19.076	ug/l	98
69) o-Xylene	12.394	106	43625	9.401	ug/l	96
70) Styrene	12.406	104	70053	9.099	ug/l	98
71) Bromoform	12.576	173	15340	8.916	ug/l #	96
73) Isopropylbenzene	12.694	105	103176	9.616	ug/l	100
74) N-amyl acetate	12.488	43	43684	8.299	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	33161	10.640	ug/l	96
76) 1,2,3-Trichloropropane	12.988	75	31781m	10.213	ug/l	
77) Bromobenzene	12.976	156	25936	10.785	ug/l	99
78) n-propylbenzene	13.035	91	115866	9.188	ug/l	99
79) 2-Chlorotoluene	13.123	91	77792	9.808	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	83733	9.534	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.729	75	11161	8.635	ug/l	96
82) 4-Chlorotoluene	13.217	91	77247	9.839	ug/l	98
83) tert-Butylbenzene	13.435	119	73503	9.647	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	83086	9.310	ug/l	98
85) sec-Butylbenzene	13.611	105	99120	9.441	ug/l	97
86) p-Isopropyltoluene	13.723	119	78078	9.023	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	45121	10.027	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	44799	9.907	ug/l	98
89) n-Butylbenzene	14.053	91	63385	8.345	ug/l	99
90) Hexachloroethane	14.329	117	13004	8.934	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	43237	9.912	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5136	8.321	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	17399	8.463	ug/l	99
94) Hexachlorobutadiene	15.494	225	6916	8.850	ug/l	97
95) Naphthalene	15.641	128	58965	8.080	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	17539	8.970	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086671.D
Acq On : 16 May 2025 17:19
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:13:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration

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

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

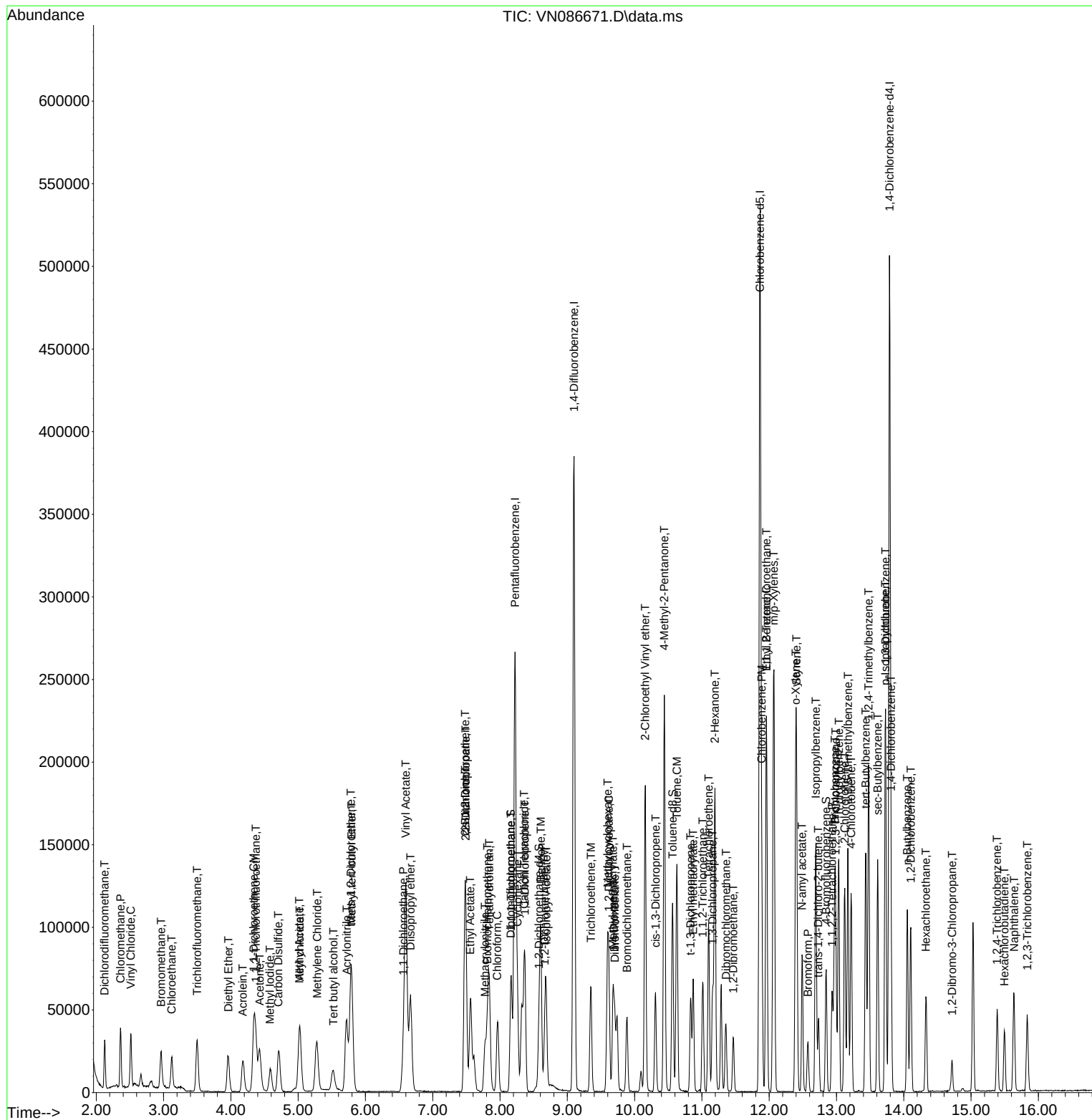
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Acq On    : 16 May 2025  17:19  
Operator  : JC\MD  
Sample    : VSTDIC010  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 13   Sample Multiplier: 1
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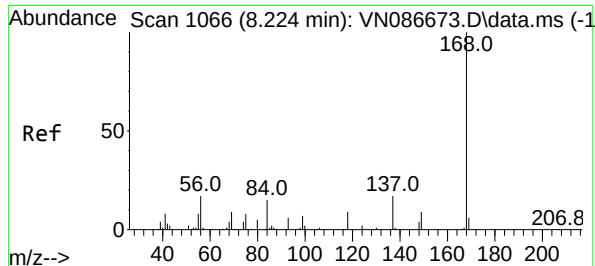
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

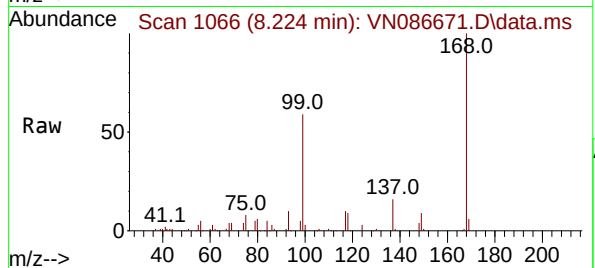
Quant Time: May 17 00:13:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

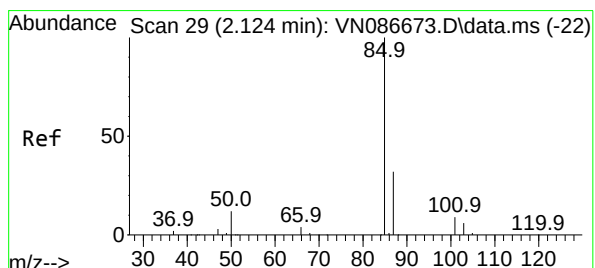
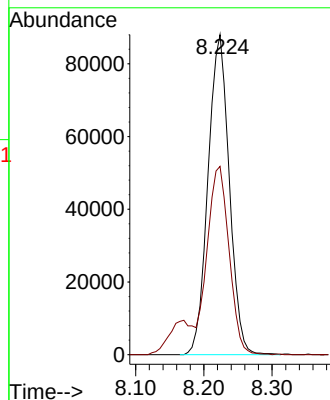
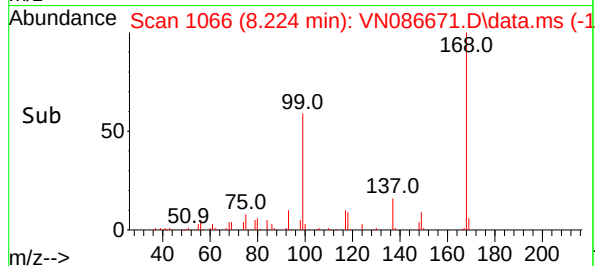
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion:168 Resp: 19088
Ion Ratio Lower Upper
168 100
99 58.6 47.0 70.4

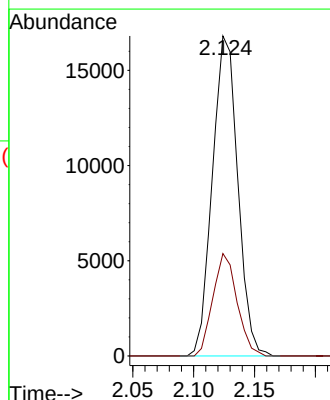
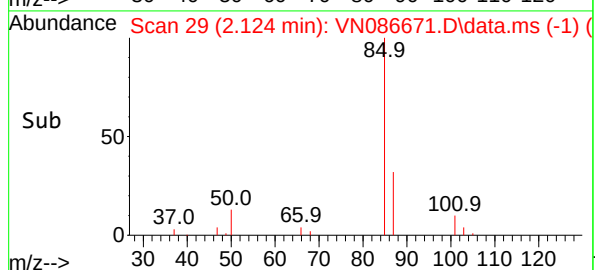
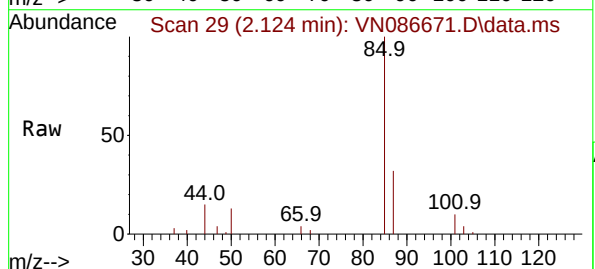
Manual Integrations
APPROVED

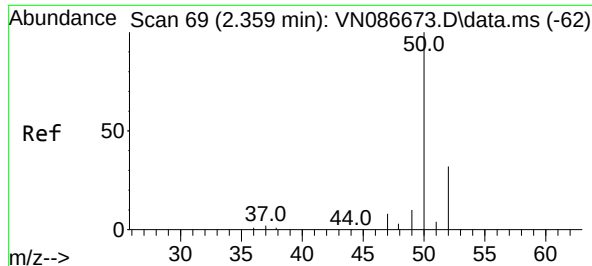
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#2
Dichlorodifluoromethane
Concen: 10.757 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Tgt Ion: 85 Resp: 24398
Ion Ratio Lower Upper
85 100
87 32.0 15.9 47.6





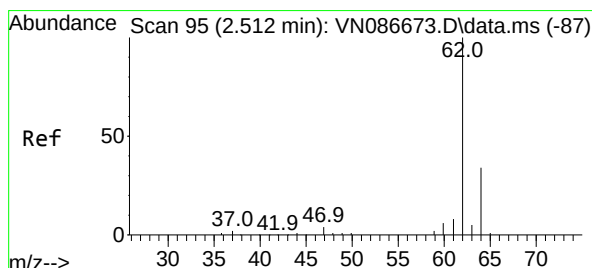
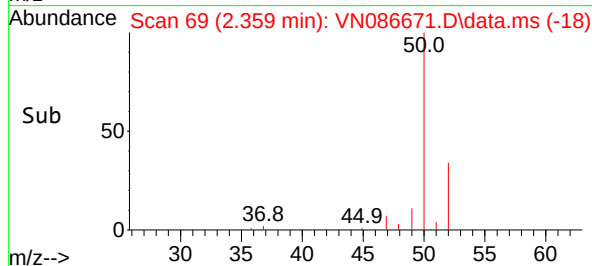
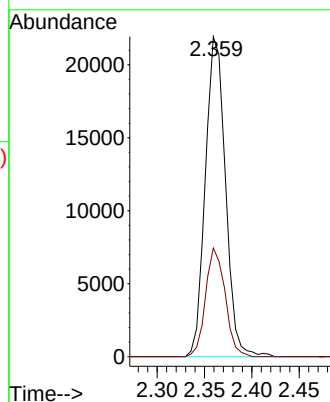
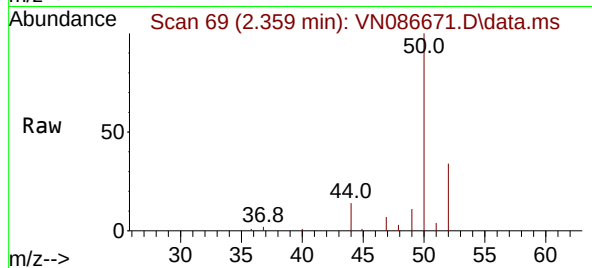
#3
Chloromethane
Concen: 9.817 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 3245
Ion Ratio Lower Upper
50 100
52 34.0 25.9 38.9

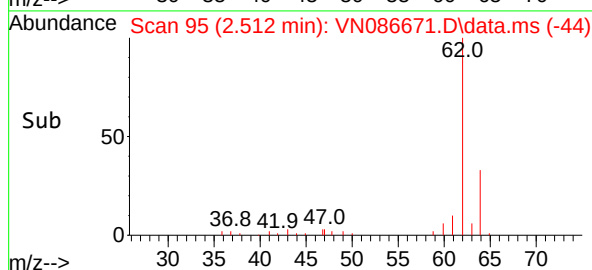
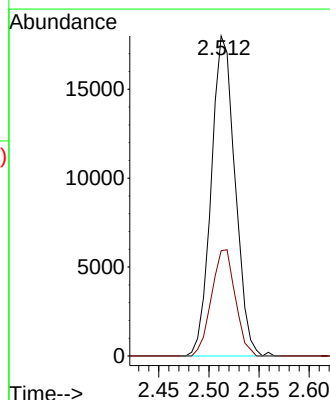
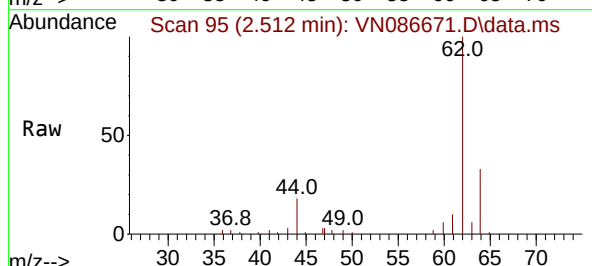
Manual Integrations
APPROVED

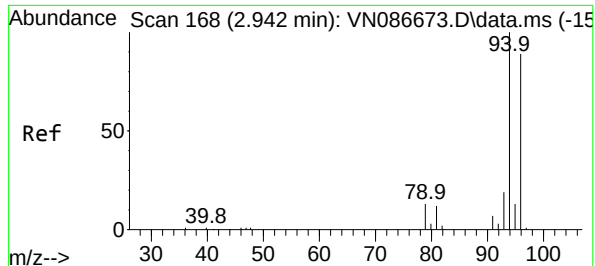
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#4
Vinyl Chloride
Concen: 9.561 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

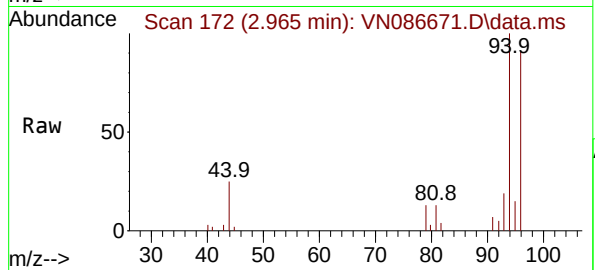
Tgt Ion: 62 Resp: 29779
Ion Ratio Lower Upper
62 100
64 32.9 26.9 40.3





#5
Bromomethane
Concen: 11.623 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

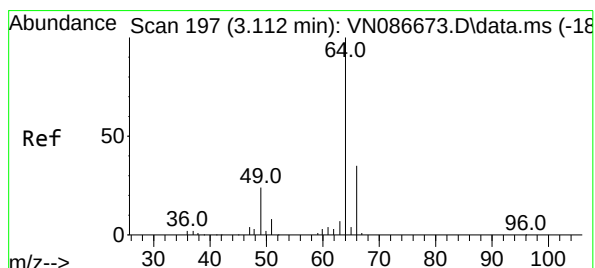
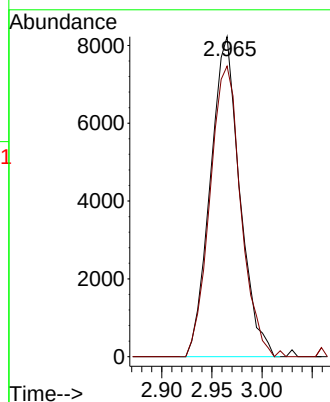
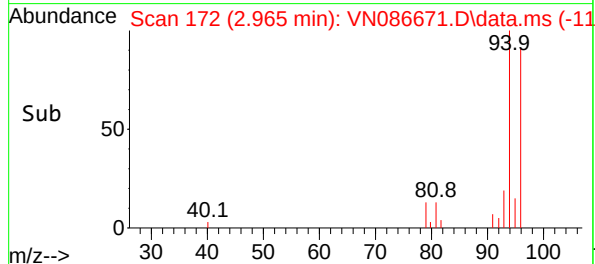
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion: 94 Resp: 1682
Ion Ratio Lower Upper
94 100
96 90.8 71.2 106.8

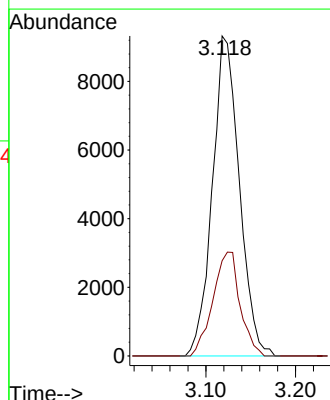
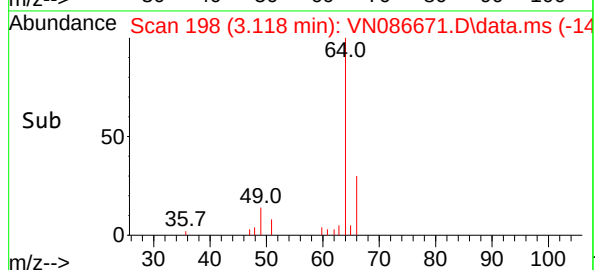
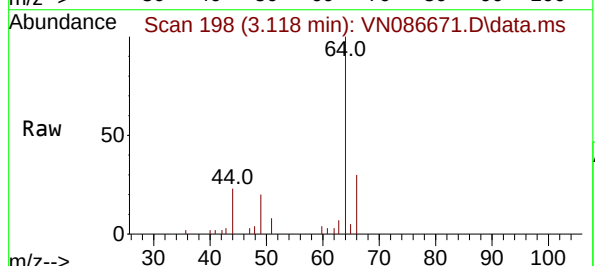
Manual Integrations
APPROVED

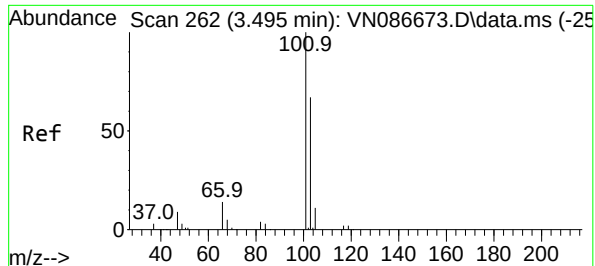
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#6
Chloroethane
Concen: 9.346 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Tgt Ion: 64 Resp: 19426
Ion Ratio Lower Upper
64 100
66 29.7 27.7 41.5





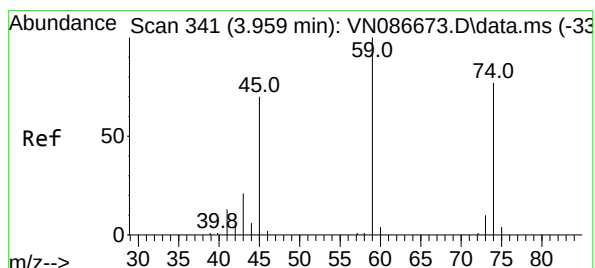
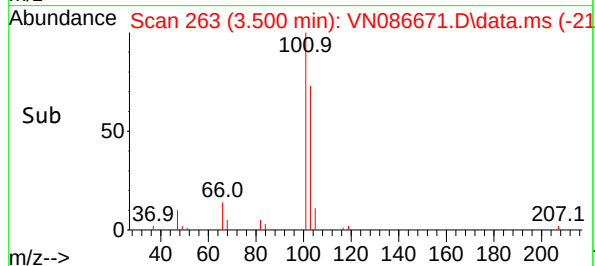
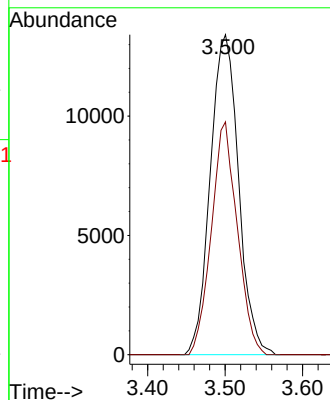
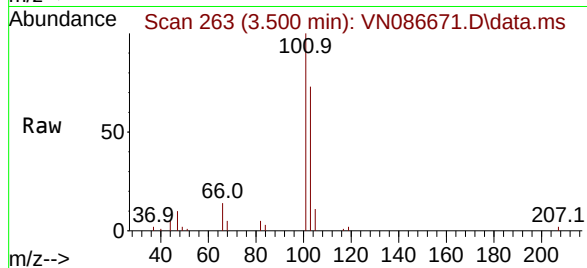
#7
Trichlorofluoromethane
Concen: 9.768 ug/l
RT: 3.500 min Scan# 263
Delta R.T. 0.006 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion: 101 Resp: 3405
Ion Ratio Lower Upper
101 100
103 72.8 53.4 80.0

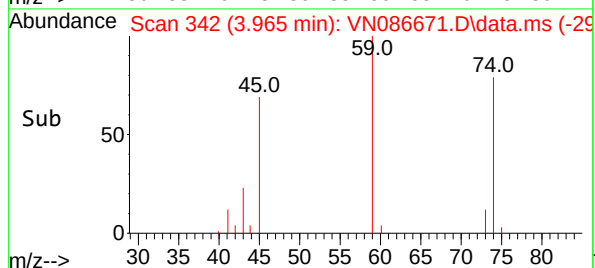
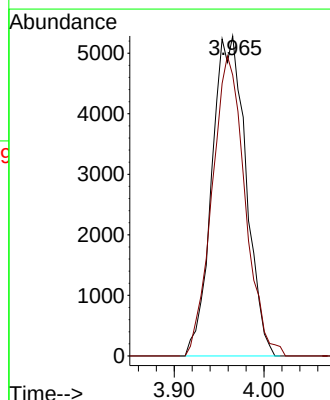
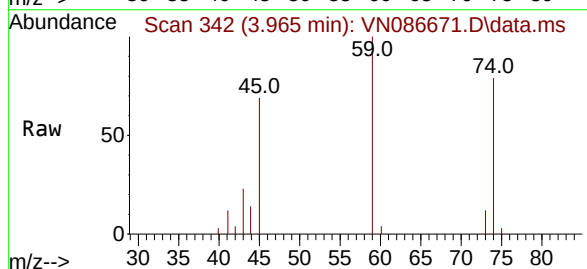
Manual Integrations
APPROVED

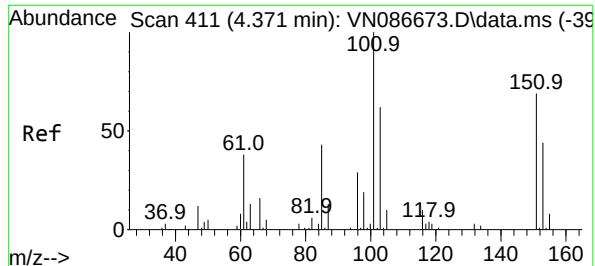
Reviewed By : John Carlone 05/19/2025
Supervised By : Mahesh Dadoda 05/19/2025



#8
Diethyl Ether
Concen: 9.221 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Tgt Ion: 74 Resp: 13912
Ion Ratio Lower Upper
74 100
45 90.8 45.0 135.0





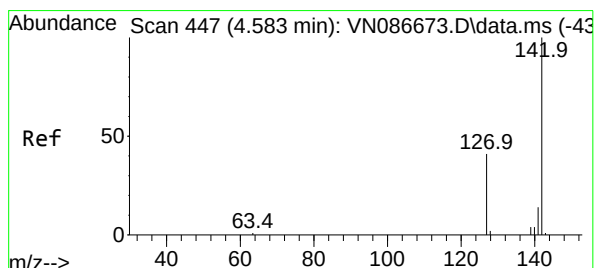
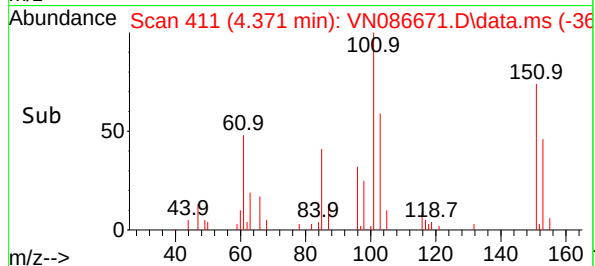
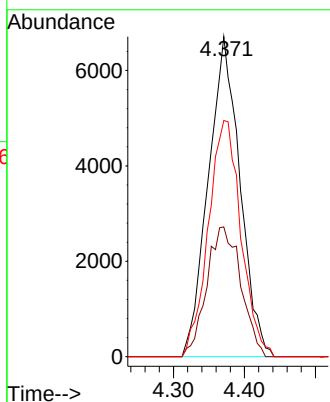
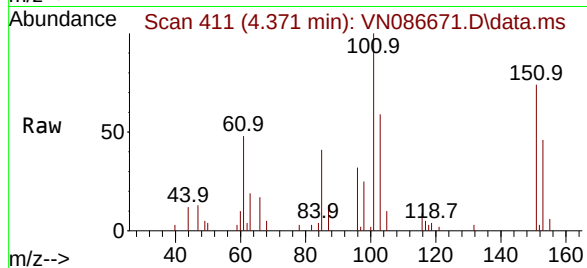
#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.864 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion:101 Resp: 20760
Ion Ratio Lower Upper
101 100
85 43.7 35.0 52.6
151 75.9 58.1 87.1

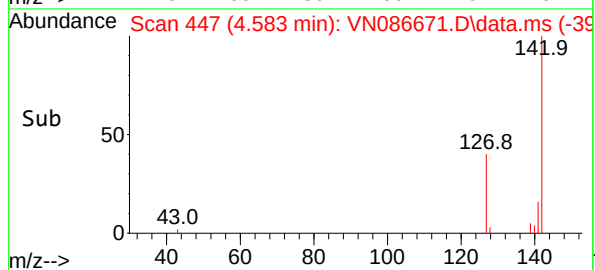
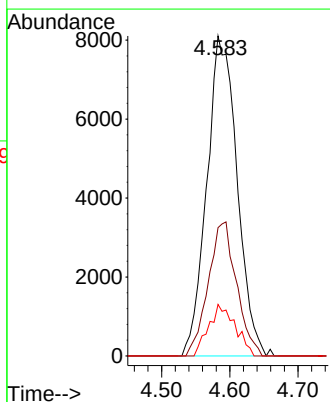
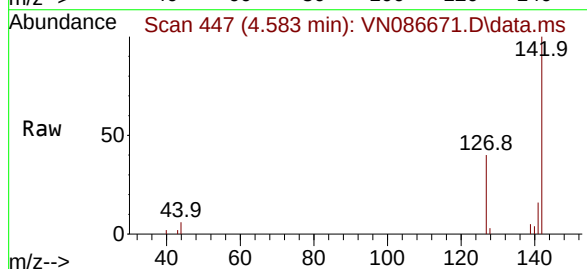
Manual Integrations
APPROVED

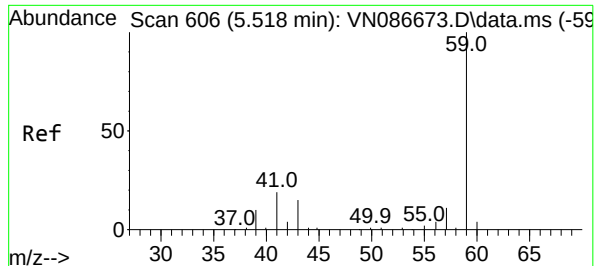
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#10
Methyl Iodide
Concen: 10.666 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Tgt Ion:142 Resp: 25084
Ion Ratio Lower Upper
142 100
127 40.1 32.4 48.6
141 16.1 11.4 17.2





#11

Tert butyl alcohol

Concen: 49.332 ug/l

RT: 5.524 min Scan# 606

Delta R.T. 0.006 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 59 Resp: 2482

Ion Ratio Lower Upper

59 100

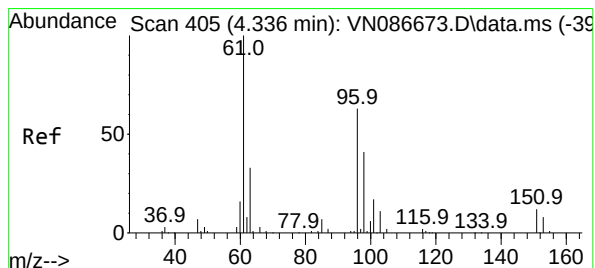
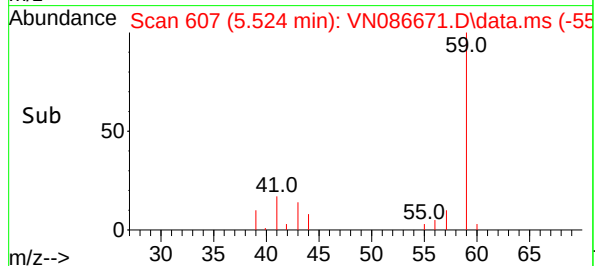
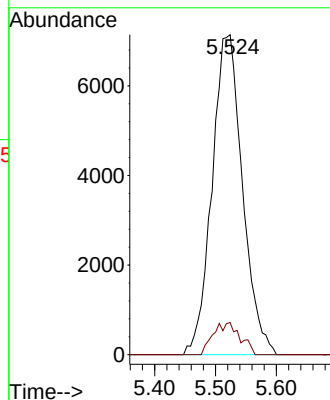
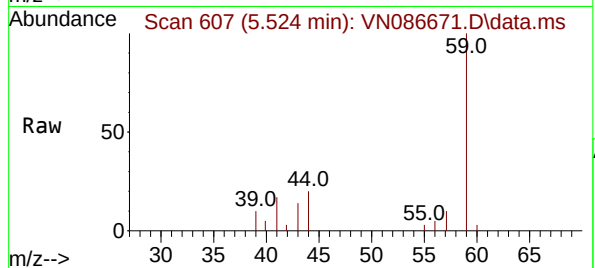
57 8.9 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#12

1,1-Dichloroethene

Concen: 9.579 ug/l

RT: 4.342 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

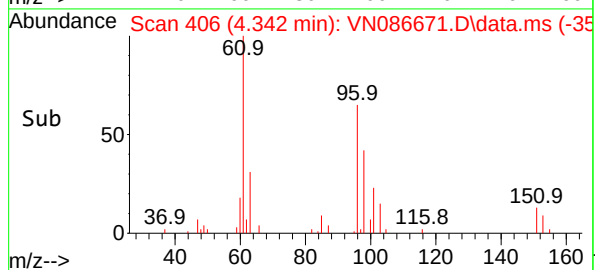
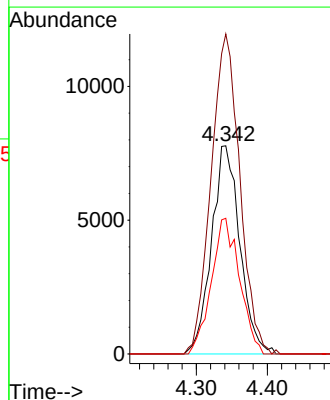
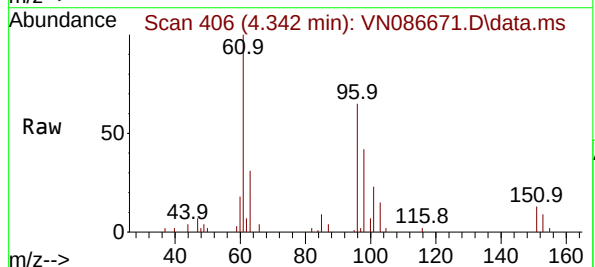
Tgt Ion: 96 Resp: 21501

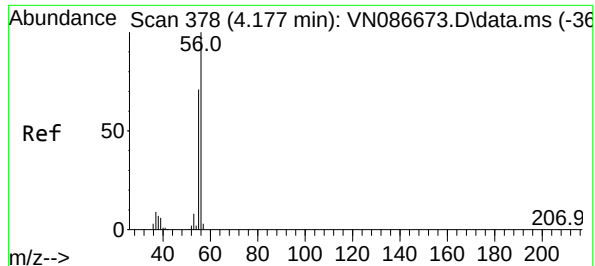
Ion Ratio Lower Upper

96 100

61 153.7 126.2 189.2

98 65.2 51.5 77.3





#13

Acrolein

Concen: 73.840 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 56 Resp: 2532

Ion Ratio Lower Upper

56 100

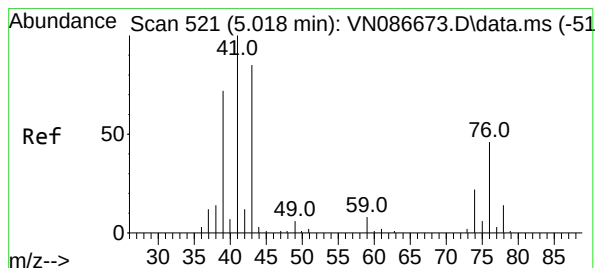
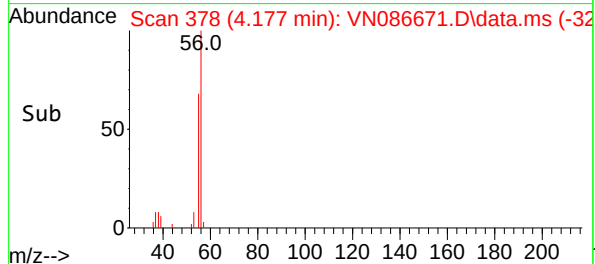
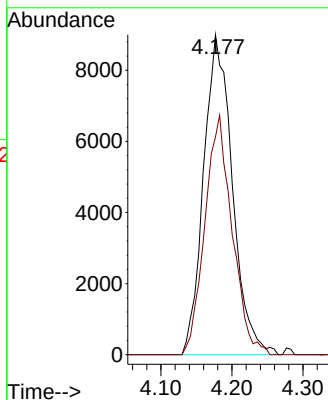
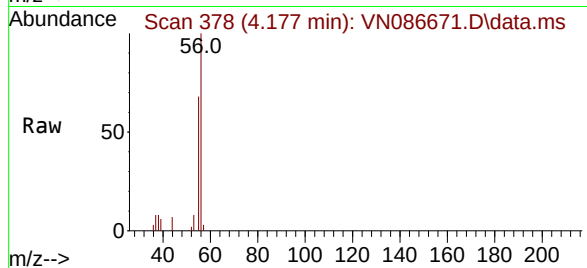
55 71.0 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#14

Allyl chloride

Concen: 8.848 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

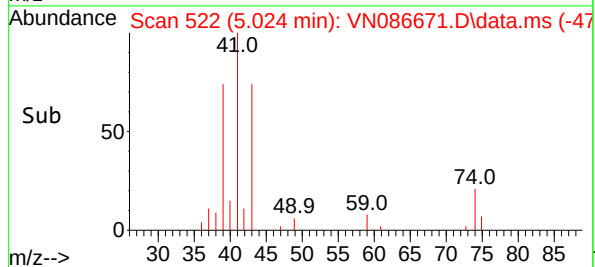
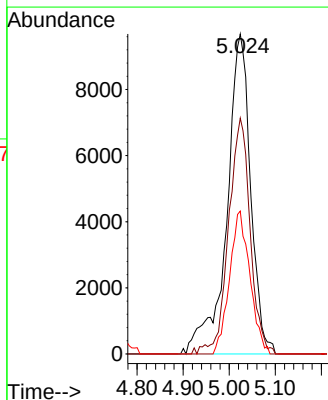
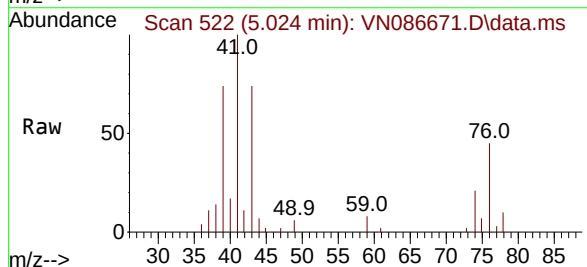
Tgt Ion: 41 Resp: 34751

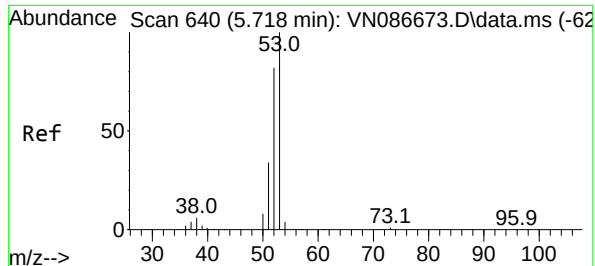
Ion Ratio Lower Upper

41 100

39 66.8 57.4 86.0

76 38.1 33.2 49.8





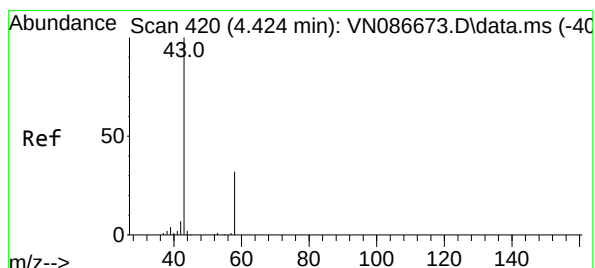
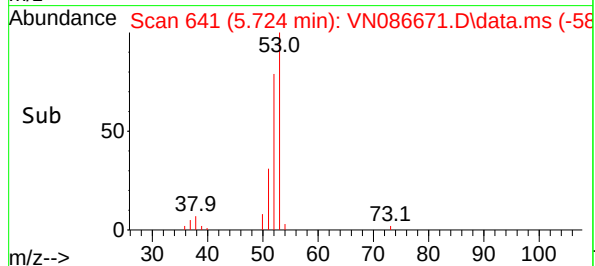
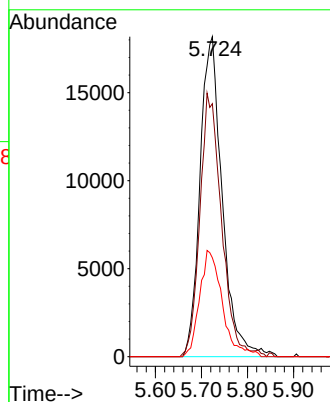
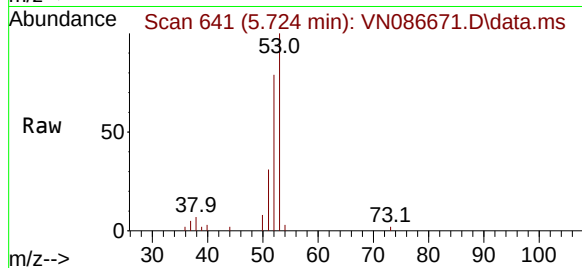
#15
Acrylonitrile
Concen: 48.997 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.006 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
53	100		
52	80.4	65.4	98.2
51	33.9	27.9	41.9

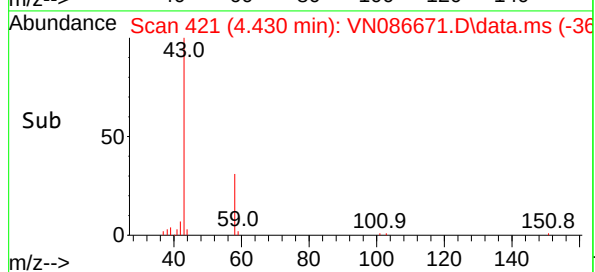
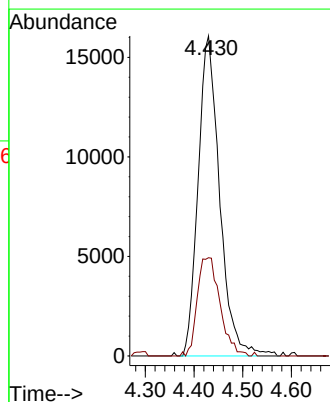
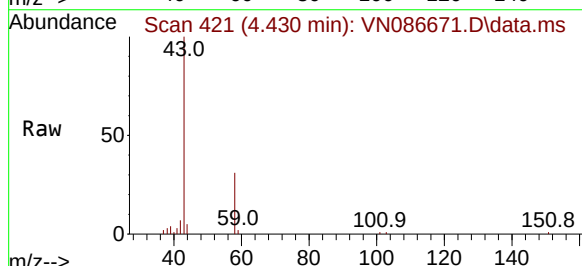
Manual Integrations
APPROVED

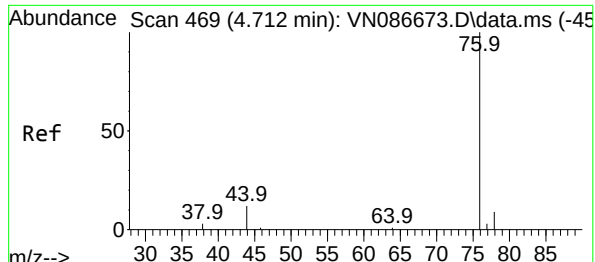
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#16
Acetone
Concen: 44.862 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.7	25.8	38.6





#17

Carbon Disulfide

Concen: 8.778 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.006 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 76 Resp: 5896

Ion Ratio Lower Upper

76 100

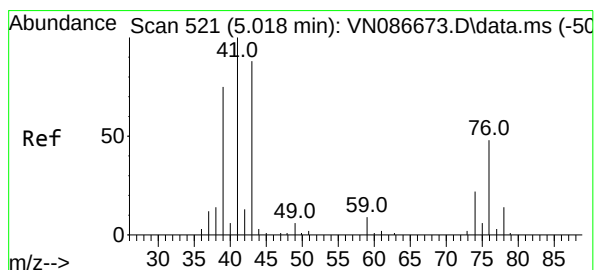
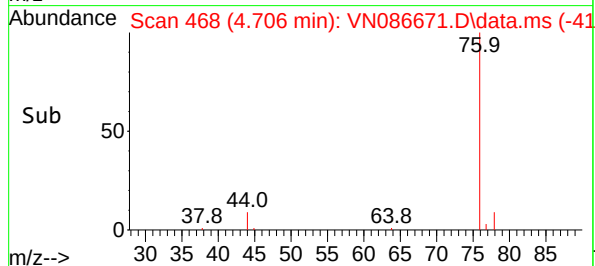
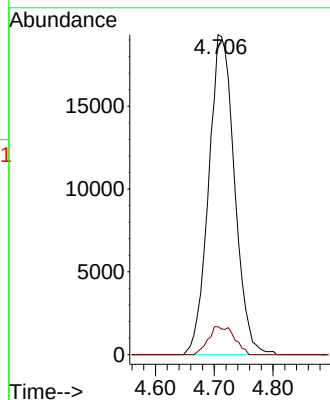
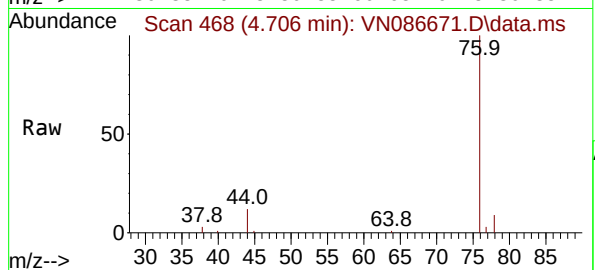
78 8.7 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#18

Methyl Acetate

Concen: 8.021 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN086671.D

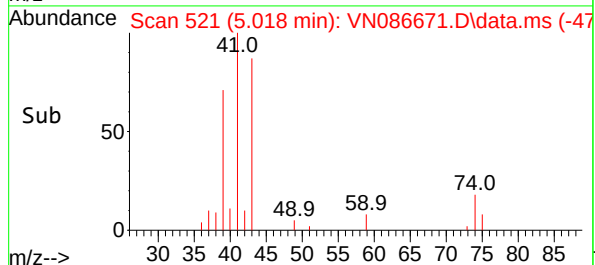
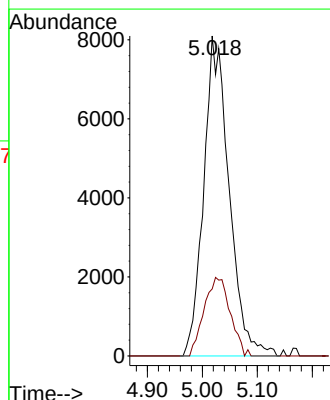
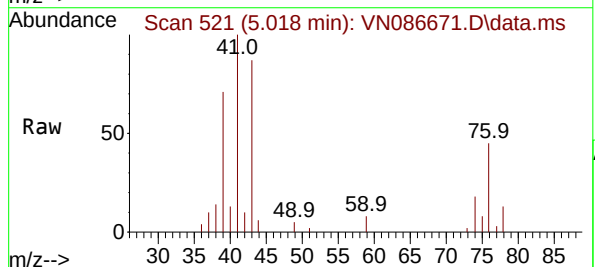
Acq: 16 May 2025 17:19

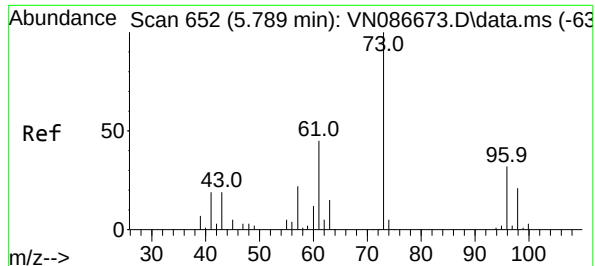
Tgt Ion: 43 Resp: 26047

Ion Ratio Lower Upper

43 100

74 25.1 20.5 30.7





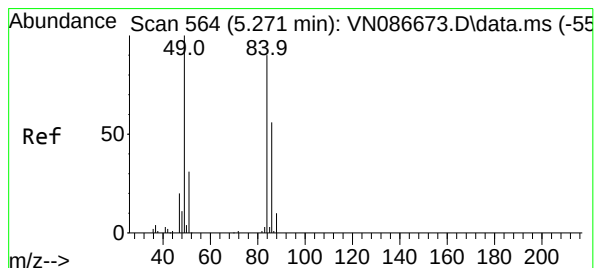
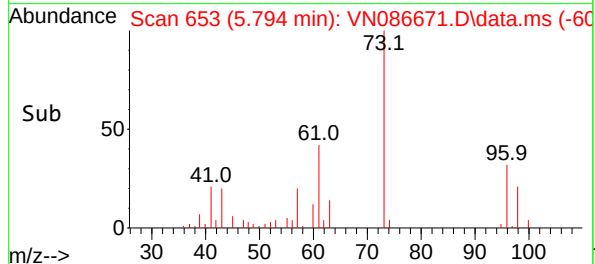
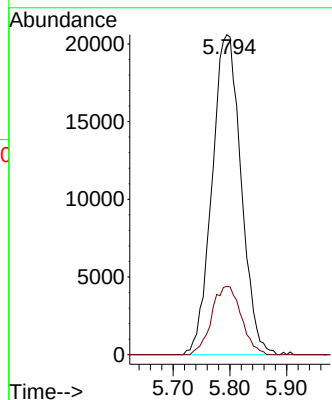
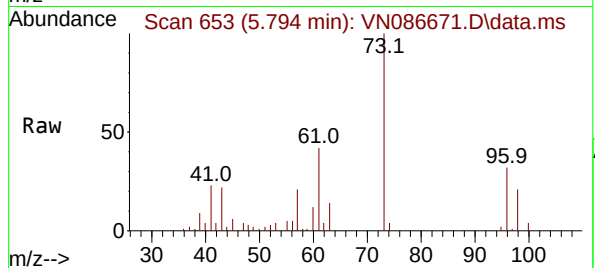
#19
Methyl tert-butyl Ether
Concen: 8.908 ug/l
RT: 5.794 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 73019
Ion Ratio Lower Upper
73 100
57 21.4 17.7 26.5

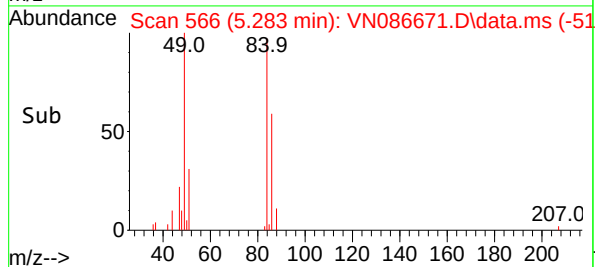
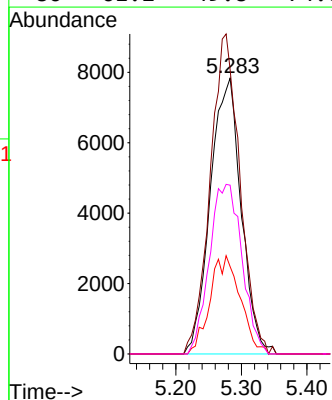
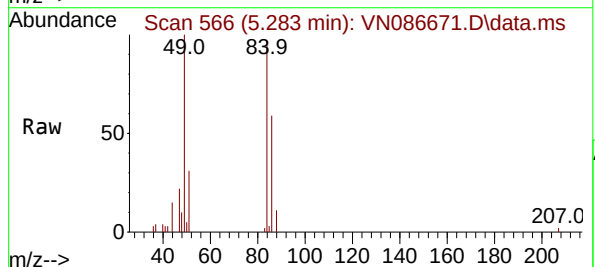
Manual Integrations
APPROVED

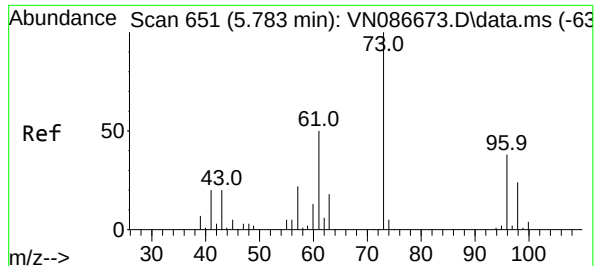
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#20
Methylene Chloride
Concen: 9.965 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

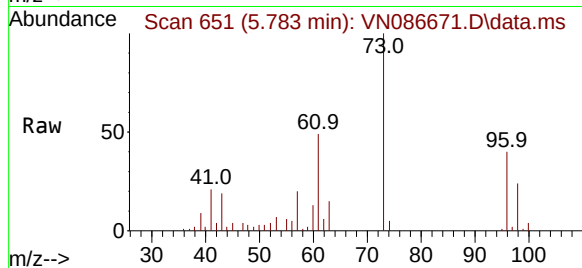
Tgt Ion: 84 Resp: 25575
Ion Ratio Lower Upper
84 100
49 103.1 88.8 133.2
51 31.7 27.8 41.6
86 61.2 49.8 74.6





#21
trans-1,2-Dichloroethene
Concen: 9.539 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

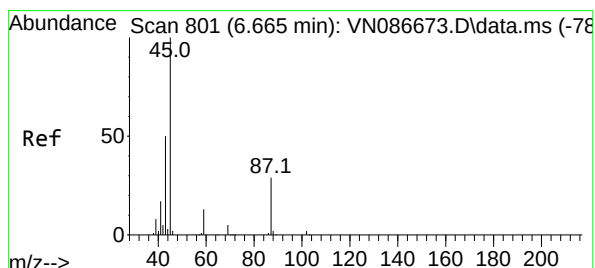
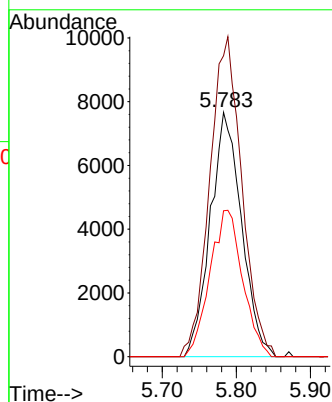
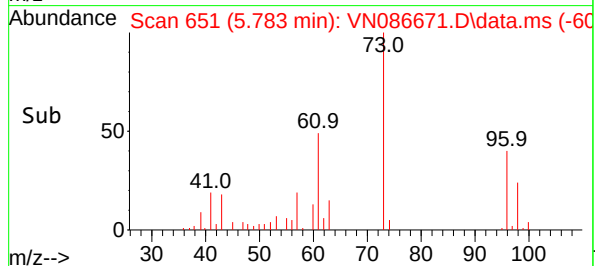
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion: 96 Resp: 2242
Ion Ratio Lower Upper
96 100
61 123.2 105.7 158.5
98 59.7 51.0 76.6

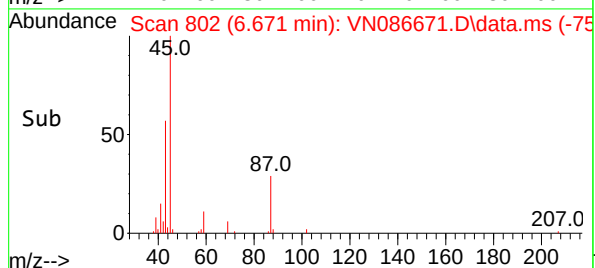
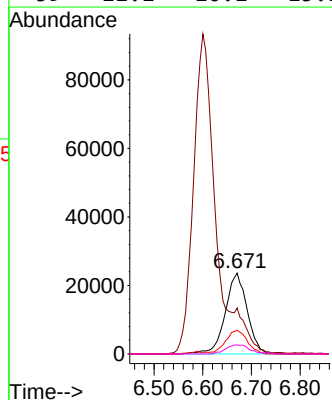
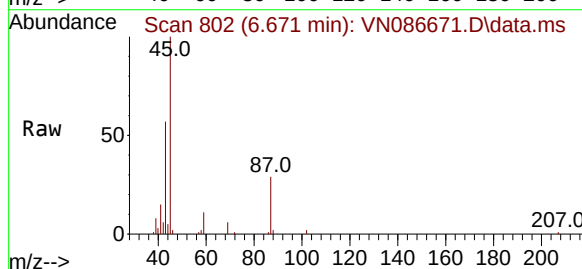
Manual Integrations
APPROVED

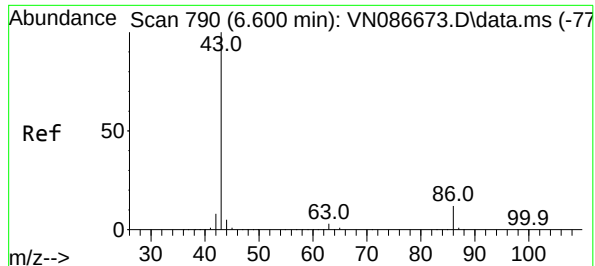
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#22
Diisopropyl ether
Concen: 8.584 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Tgt Ion: 45 Resp: 73555
Ion Ratio Lower Upper
45 100
43 55.1 41.4 62.2
87 29.2 22.9 34.3
59 11.1 10.1 15.1





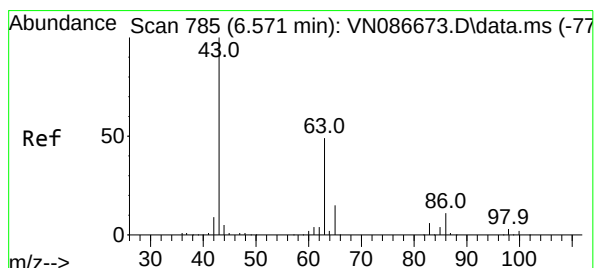
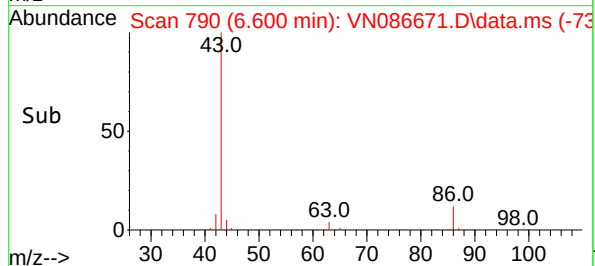
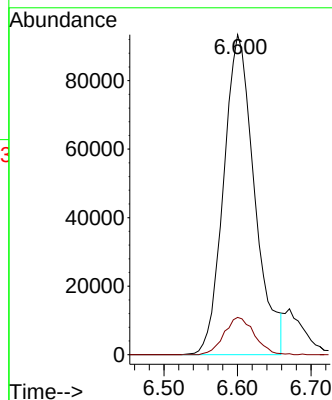
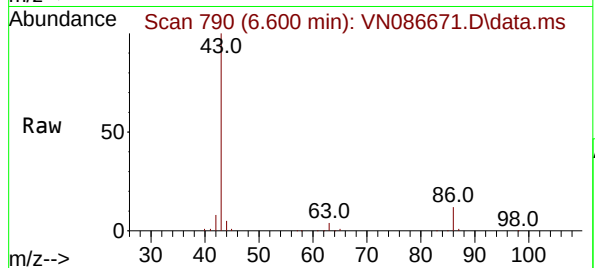
#23
Vinyl Acetate
Concen: 45.155 ug/l m
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 27352
Ion Ratio Lower Upper
43 100
86 11.6 9.5 14.3

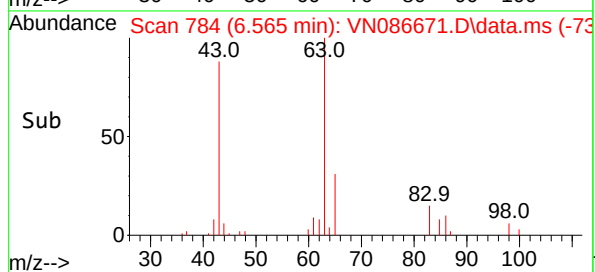
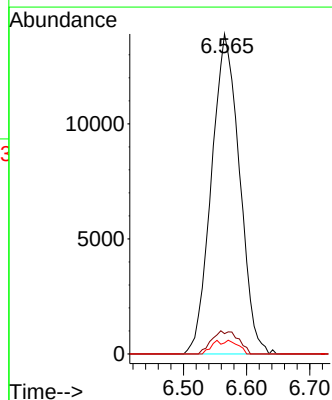
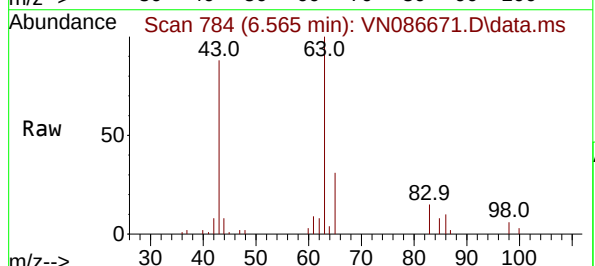
Manual Integrations
APPROVED

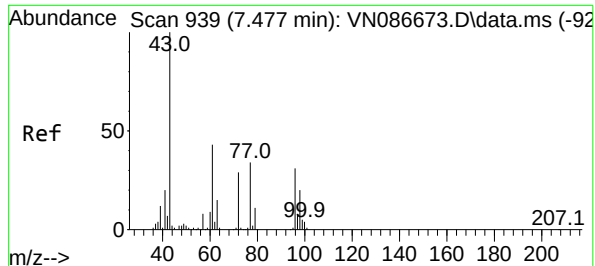
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#24
1,1-Dichloroethane
Concen: 9.421 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Tgt Ion: 63 Resp: 42997
Ion Ratio Lower Upper
63 100
98 6.4 3.4 10.2
100 3.5 2.4 7.1





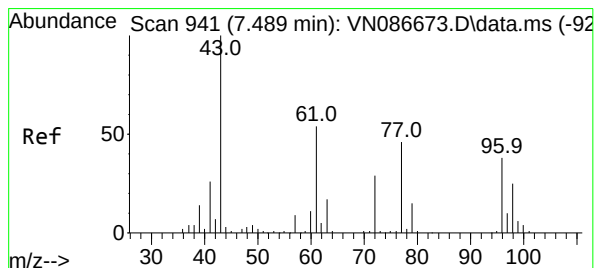
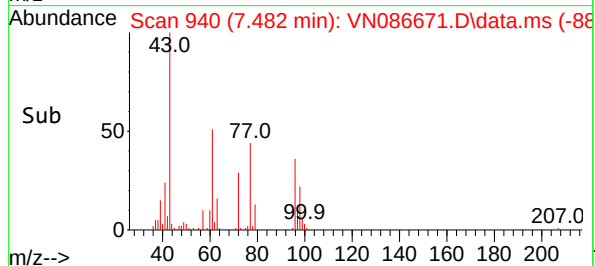
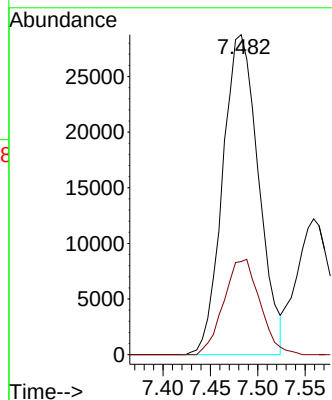
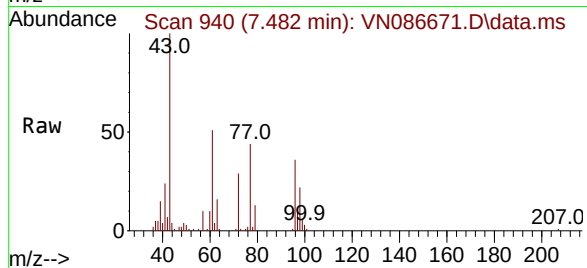
#25
2-Butanone
Concen: 44.487 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 75970
Ion Ratio Lower Upper
43 100
72 29.1 23.1 34.7

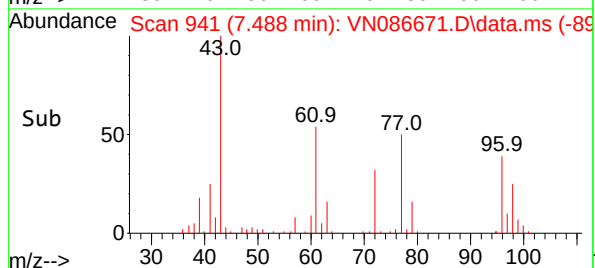
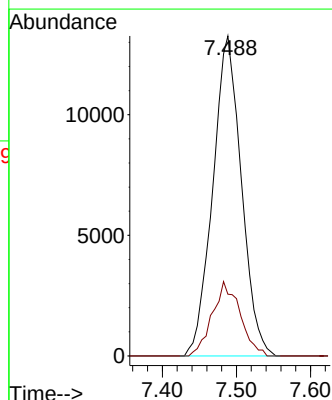
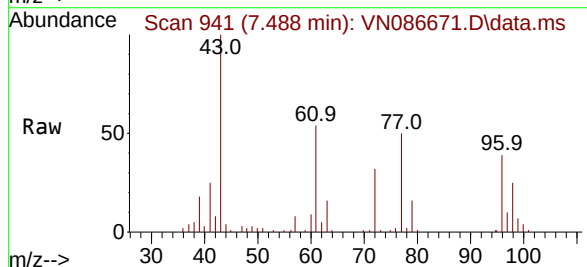
Manual Integrations
APPROVED

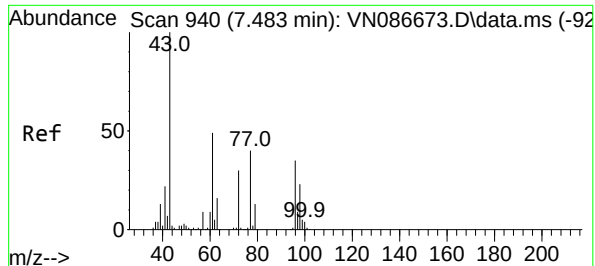
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#26
2,2-Dichloropropane
Concen: 8.785 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Tgt Ion: 77 Resp: 35543
Ion Ratio Lower Upper
77 100
97 22.6 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 9.439 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 96 Resp: 27508

Ion Ratio Lower Upper

96 100

61 138.7 0.0 277.4

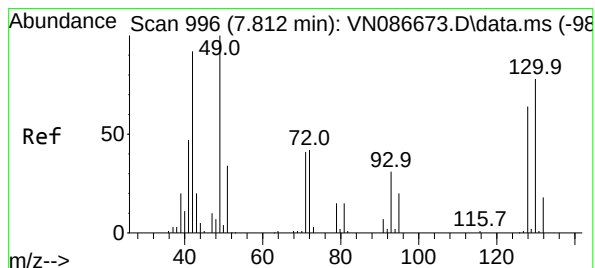
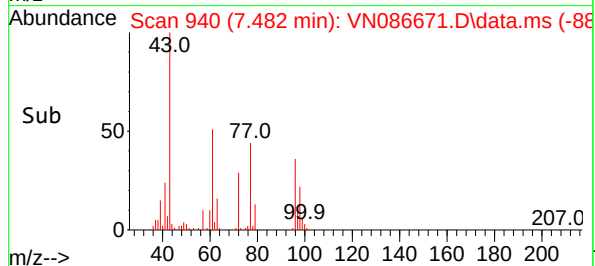
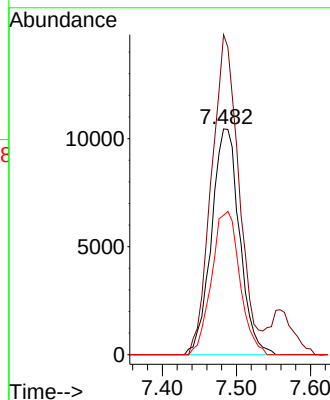
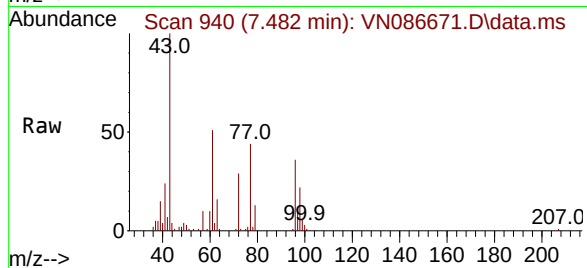
98 63.7 0.0 129.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#28

Bromochloromethane

Concen: 10.145 ug/l

RT: 7.812 min Scan# 996

Delta R.T. -0.000 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

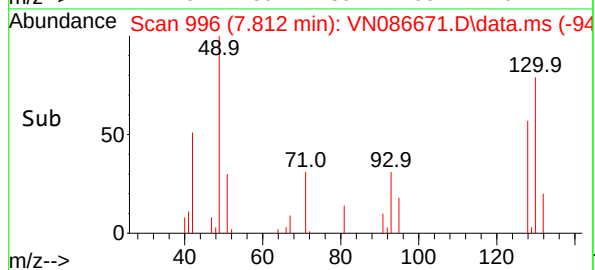
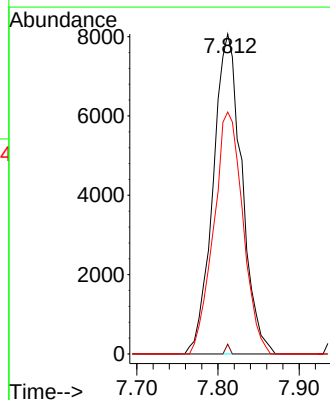
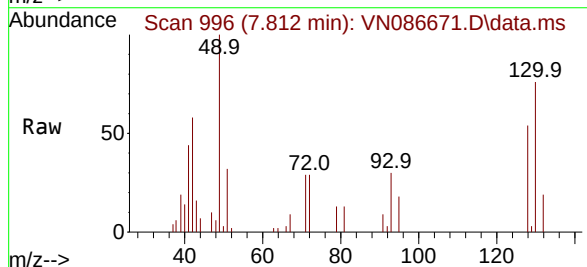
Tgt Ion: 49 Resp: 19798

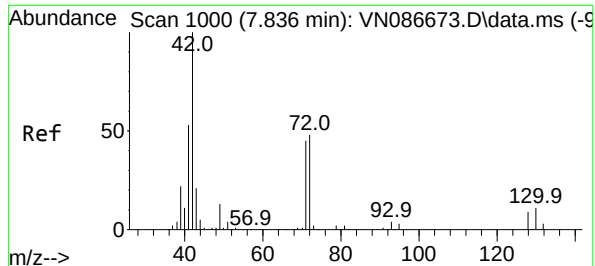
Ion Ratio Lower Upper

49 100

129 0.4 0.0 3.8

130 77.0 62.2 93.4





#29

Tetrahydrofuran

Concen: 43.856 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

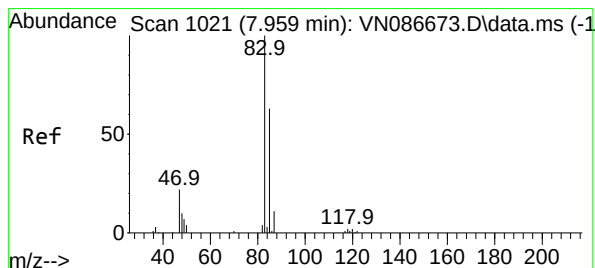
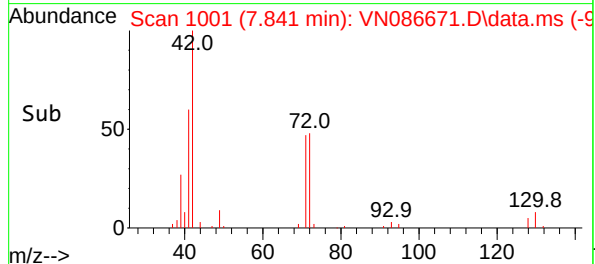
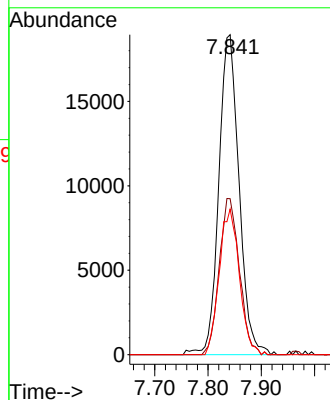
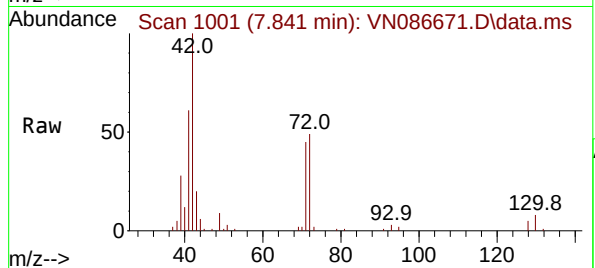
Tgt Ion:	42	Resp:	50074
Ion	Ratio	Lower	Upper
42	100		
72	48.6	38.7	58.1
71	45.3	36.2	54.4

Manual Integrations

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Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#30

Chloroform

Concen: 9.413 ug/l

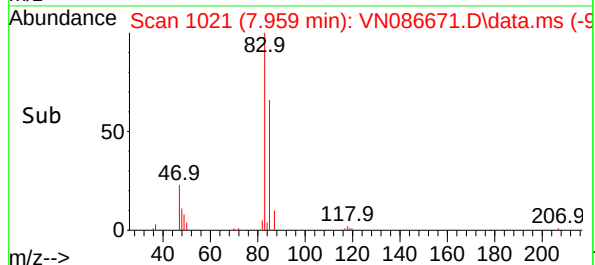
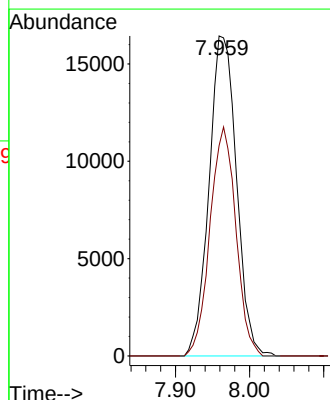
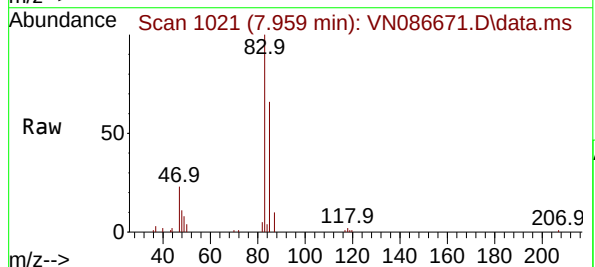
RT: 7.959 min Scan# 1021

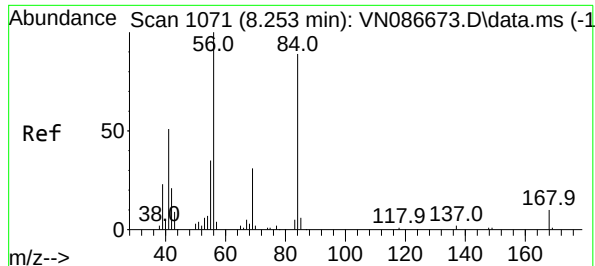
Delta R.T. -0.000 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

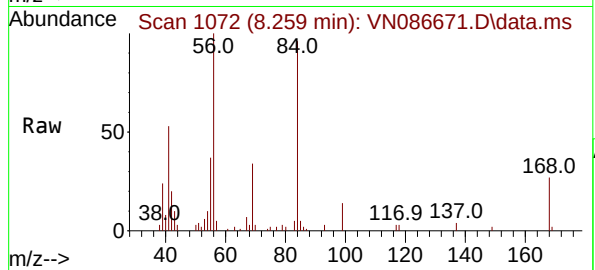
Tgt Ion:	83	Resp:	42323
Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.2	75.4





#31
Cyclohexane
Concen: 9.148 ug/l
RT: 8.259 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

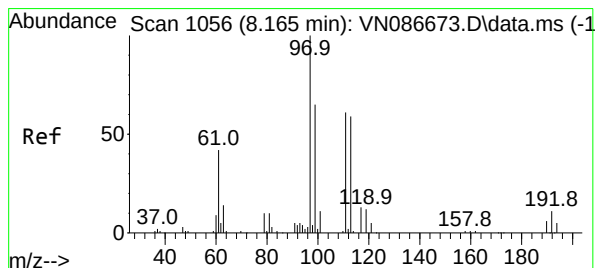
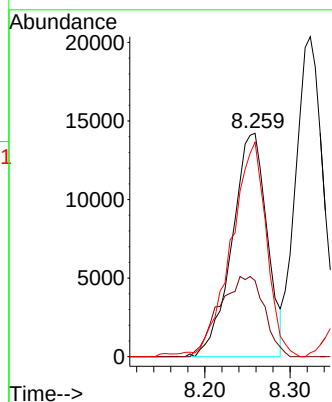
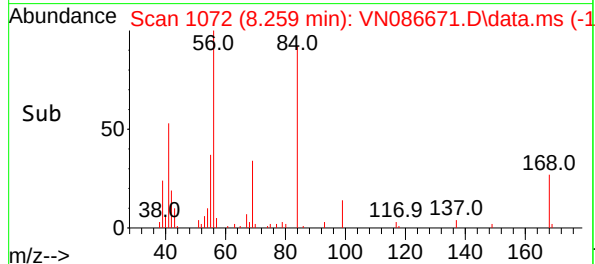
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion: 56 Resp: 40462
Ion Ratio Lower Upper
56 100
69 34.0 25.0 37.6
84 94.7 71.0 106.4

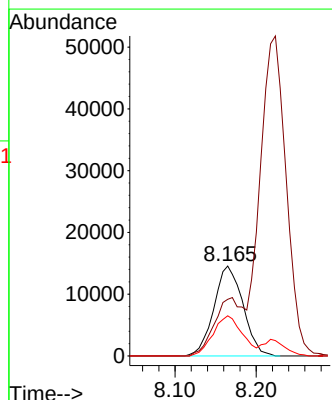
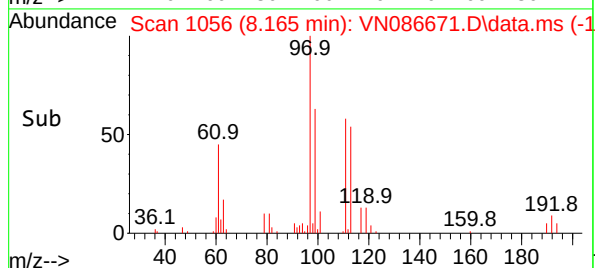
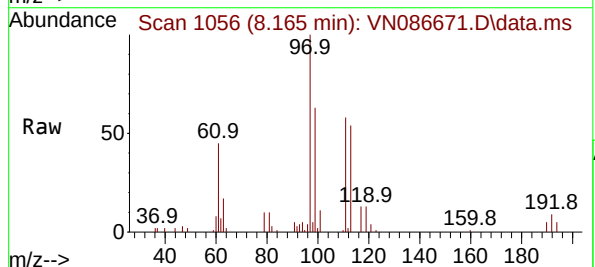
Manual Integrations
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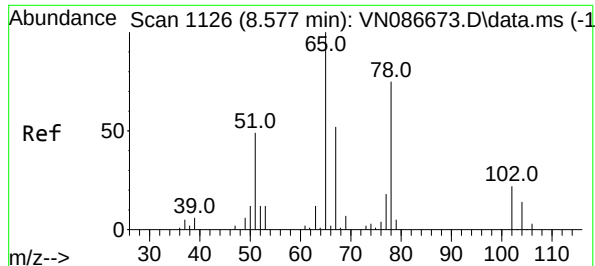
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#32
1,1,1-Trichloroethane
Concen: 9.412 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Tgt Ion: 97 Resp: 36234
Ion Ratio Lower Upper
97 100
99 59.2 52.6 79.0
61 45.0 37.7 56.5





#33

1,2-Dichloroethane-d4

Concen: 9.141 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 65 Resp: 2512

Ion Ratio Lower Upper

65 100

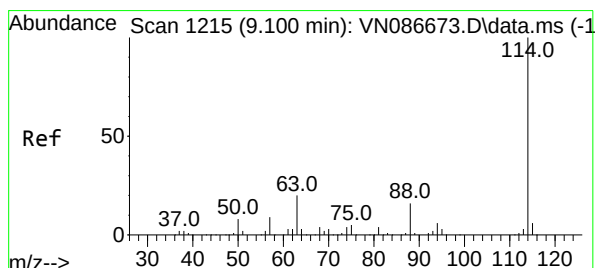
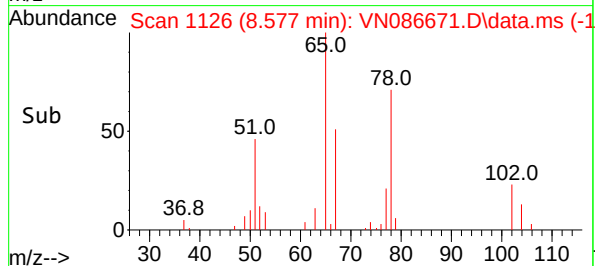
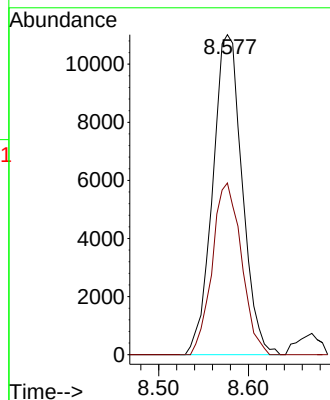
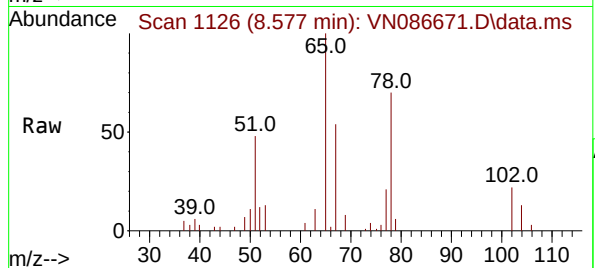
67 53.1 0.0 106.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

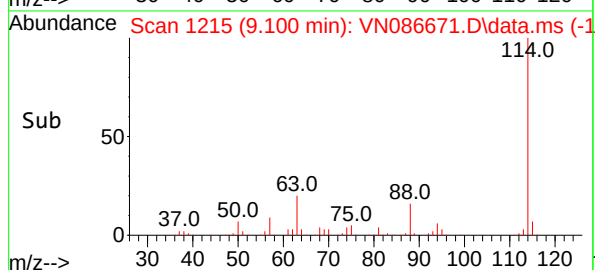
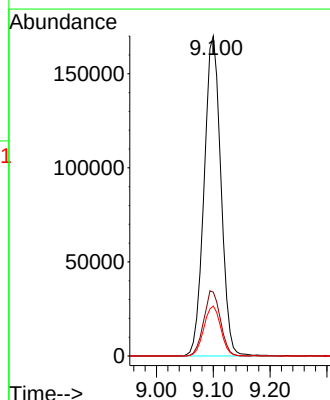
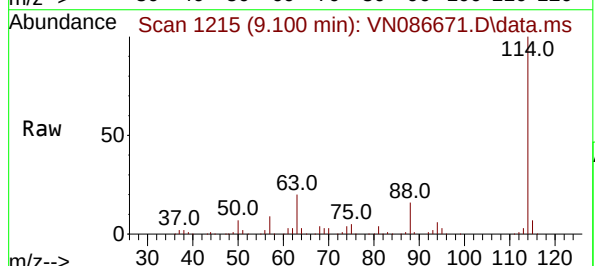
Tgt Ion:114 Resp: 347826

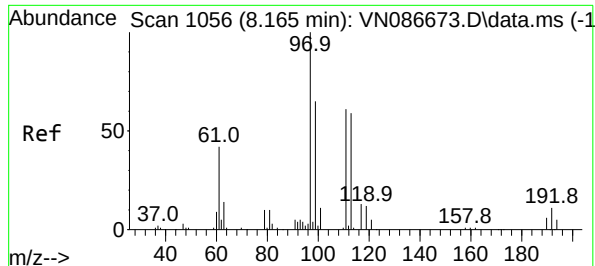
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.2

88 15.6 0.0 31.2





#35

Dibromofluoromethane

Concen: 11.605 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

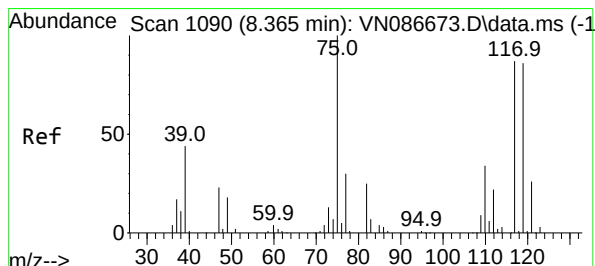
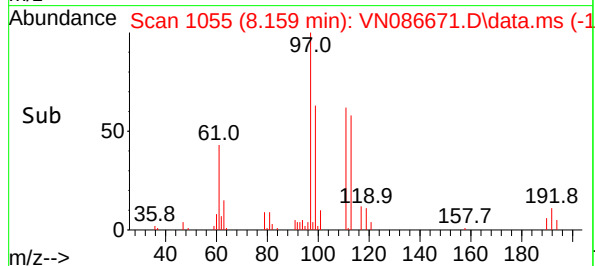
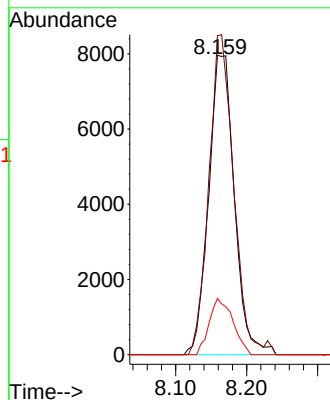
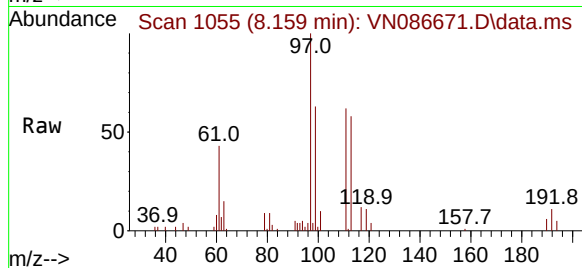
Tgt Ion:	113	Resp:	2008
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.2	123.2
192	17.3	13.8	20.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#36

1,1-Dichloropropene

Concen: 9.561 ug/l

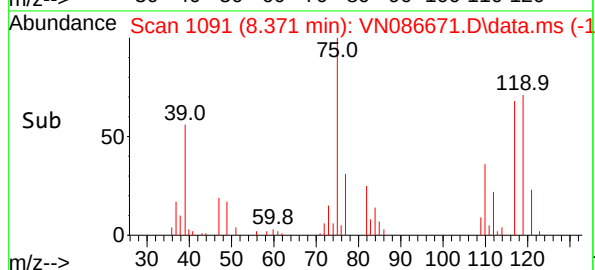
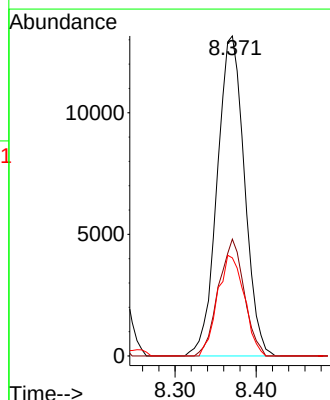
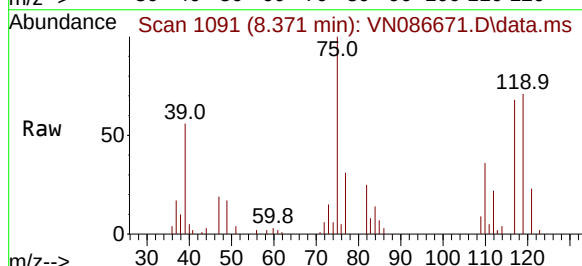
RT: 8.371 min Scan# 1091

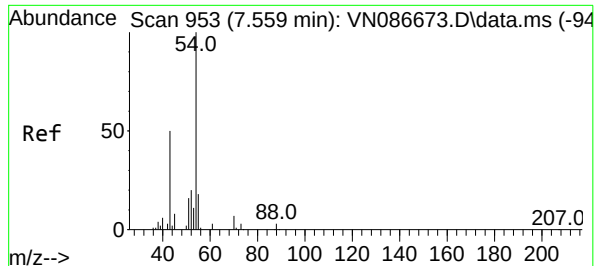
Delta R.T. 0.006 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Tgt Ion:	75	Resp:	30748
Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.5	52.5
77	30.8	25.1	37.7





#37

Ethyl Acetate

Concen: 9.064 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 3065

Ion Ratio Lower Upper

43 100

61 14.9 11.6 17.4

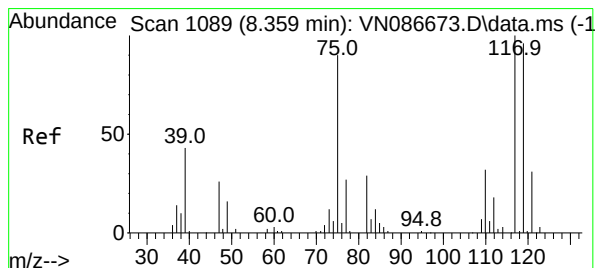
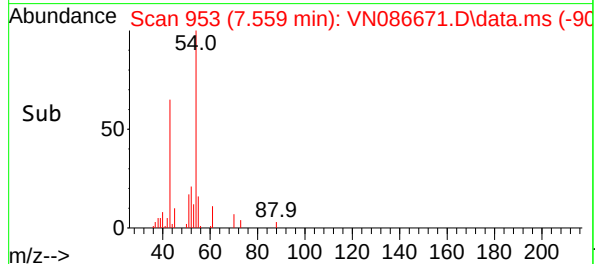
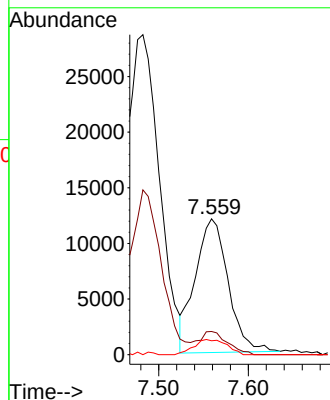
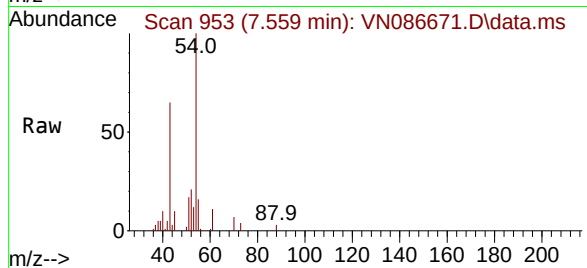
70 11.2 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#38

Carbon Tetrachloride

Concen: 9.712 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

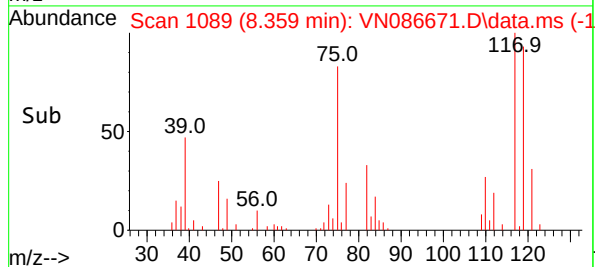
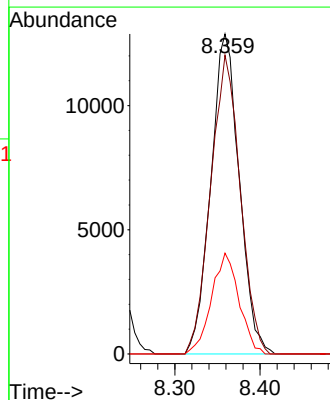
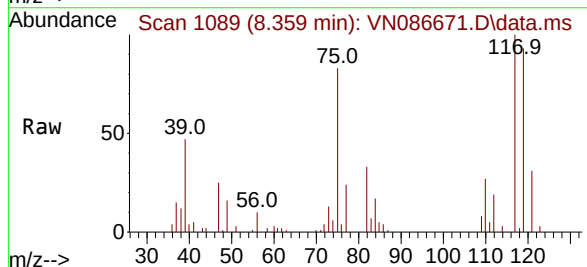
Tgt Ion:117 Resp: 29903

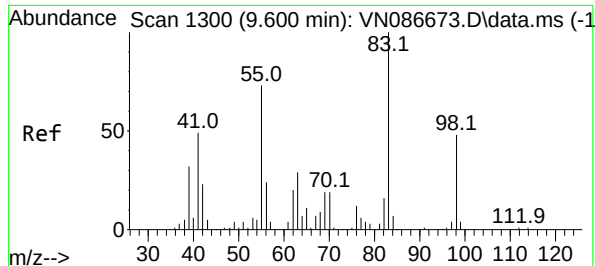
Ion Ratio Lower Upper

117 100

119 93.3 77.0 115.6

121 31.5 25.0 37.6





#39

Methylcyclohexane

Concen: 8.573 ug/l

RT: 9.600 min Scan# 11300

Delta R.T. -0.000 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

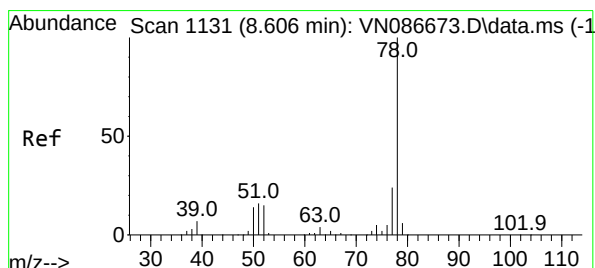
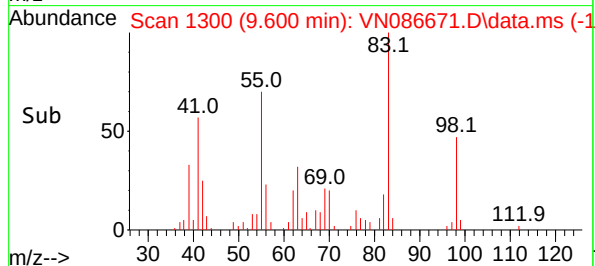
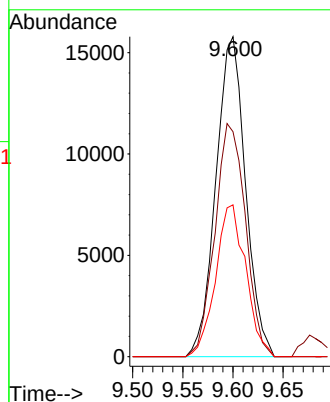
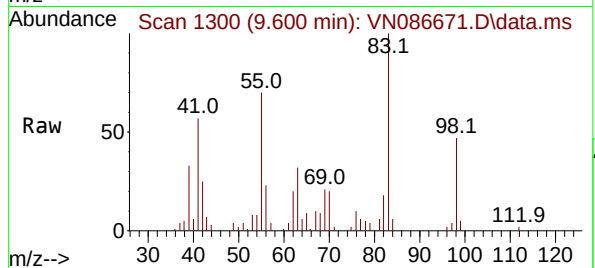
Tgt Ion:	83	Resp:	32439
Ion Ratio	Lower	Upper	
83	100		
55	70.3	58.2	87.4
98	47.5	38.4	57.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#40

Benzene

Concen: 9.755 ug/l

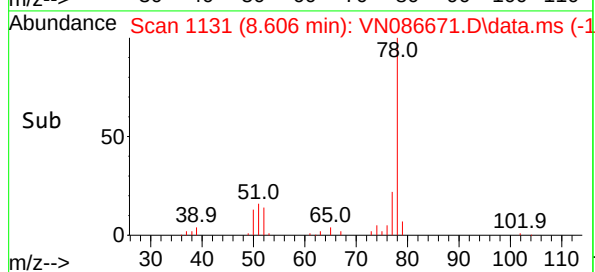
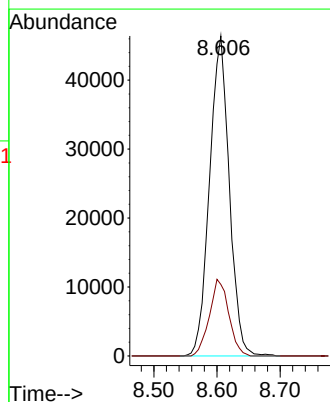
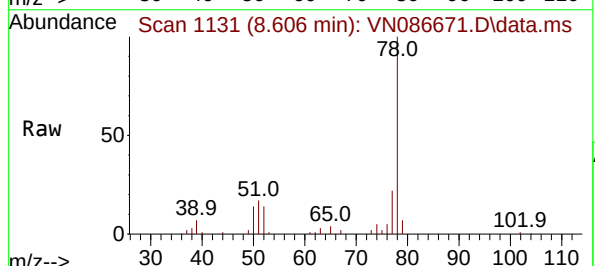
RT: 8.606 min Scan# 1131

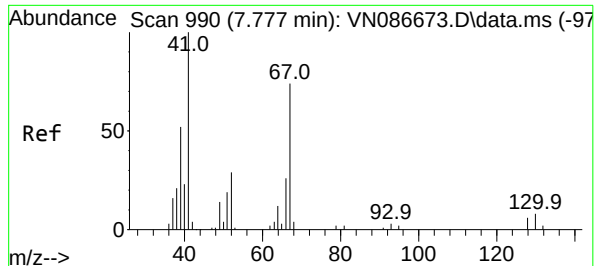
Delta R.T. -0.000 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Tgt Ion:	78	Resp:	100693
Ion Ratio	Lower	Upper	
78	100		
77	22.3	19.1	28.7





#41

Methacrylonitrile

Concen: 8.821 ug/l

RT: 7.777 min Scan# 990

Delta R.T. -0.000 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 41 Resp: 1710

Ion Ratio Lower Upper

41 100

39 49.6 44.9 67.3

67 75.4 63.4 95.0

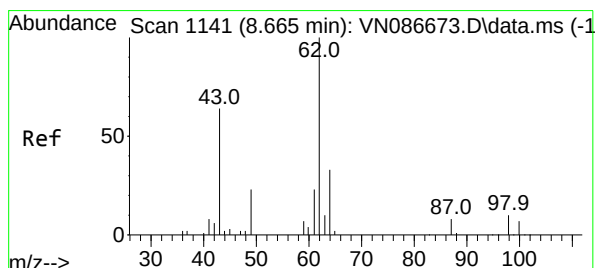
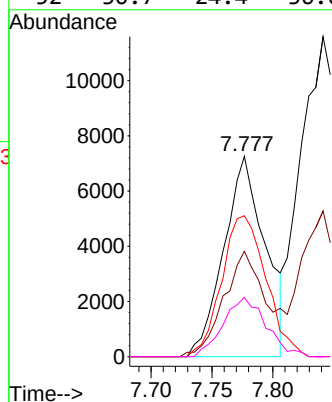
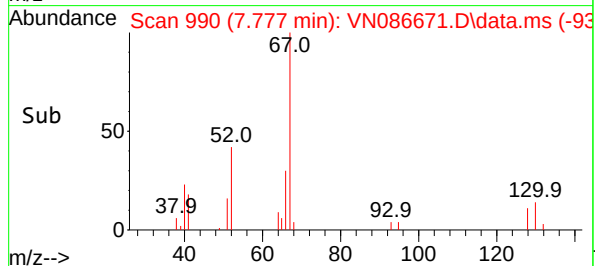
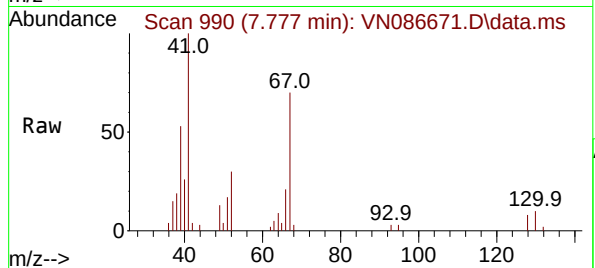
52 30.7 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#42

1,2-Dichloroethane

Concen: 9.553 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.000 min

Lab File: VN086671.D

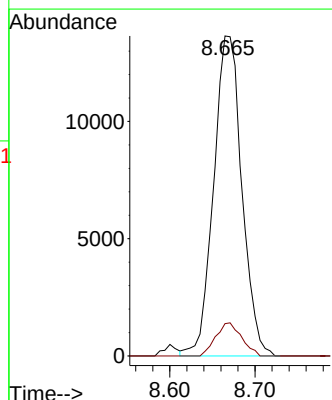
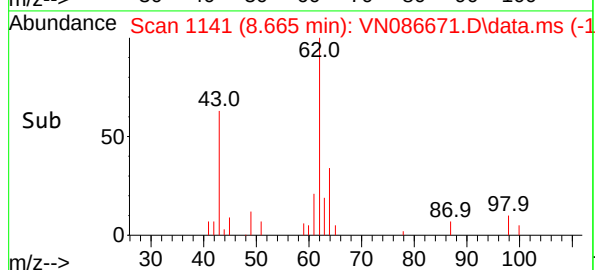
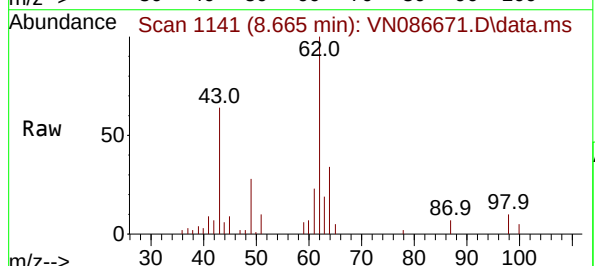
Acq: 16 May 2025 17:19

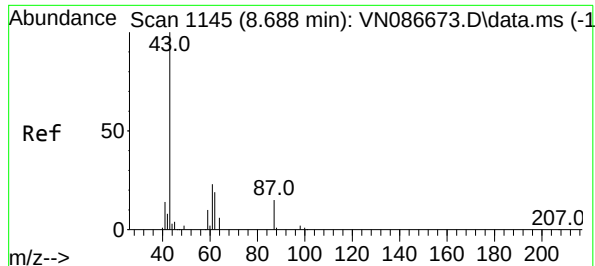
Tgt Ion: 62 Resp: 31399

Ion Ratio Lower Upper

62 100

98 9.4 0.0 19.2





#43

Isopropyl Acetate

Concen: 7.234 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Instrument :

MSVOA_N

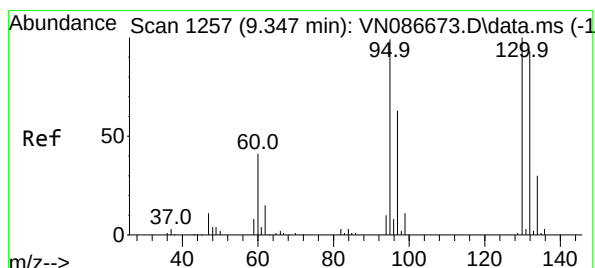
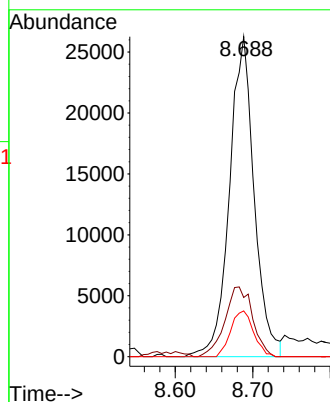
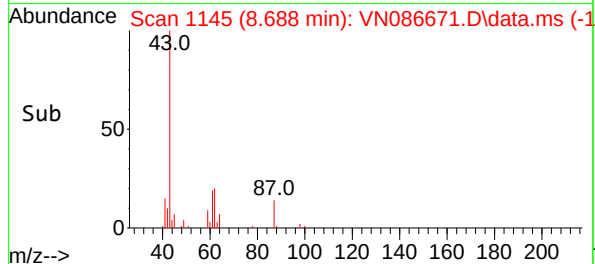
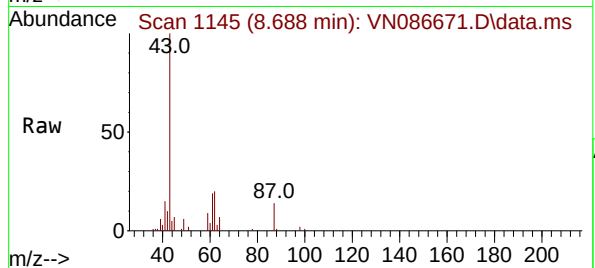
ClientSampleId :

VSTDIC010

Tgt Ion: 43	Resp: 5842
Ion Ratio	Lower Upper
43 100	
61 24.4	21.4 32.2
87 13.2	11.1 16.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#44

Trichloroethene

Concen: 10.137 ug/l

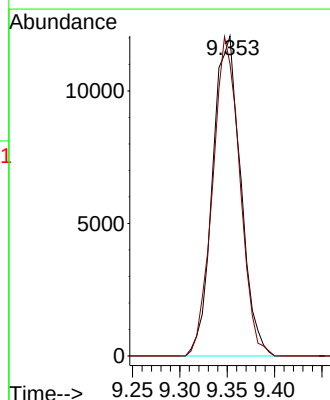
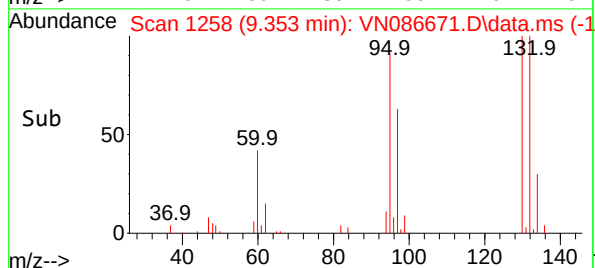
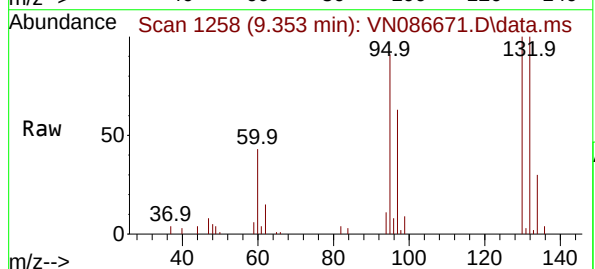
RT: 9.353 min Scan# 1258

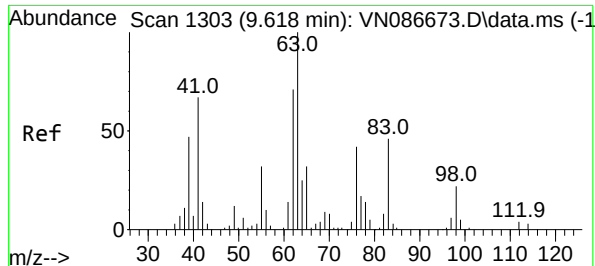
Delta R.T. 0.006 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Tgt Ion:130	Resp: 24877
Ion Ratio	Lower Upper
130 100	
95 91.4	0.0 197.0





#45

1,2-Dichloropropane

Concen: 9.487 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 63 Resp: 2384

Ion Ratio Lower Upper

63 100

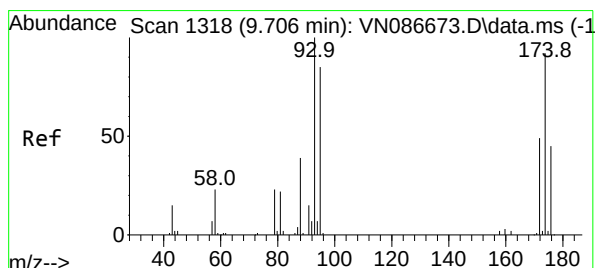
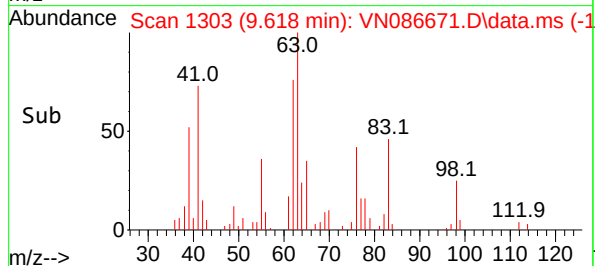
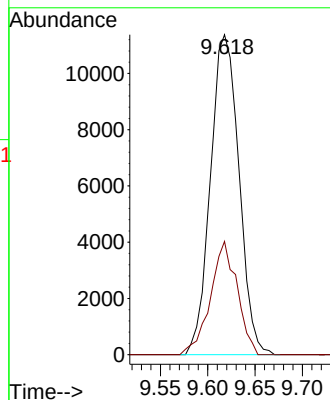
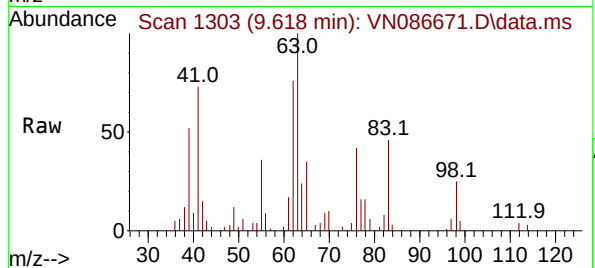
65 35.4 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#46

Dibromomethane

Concen: 10.271 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

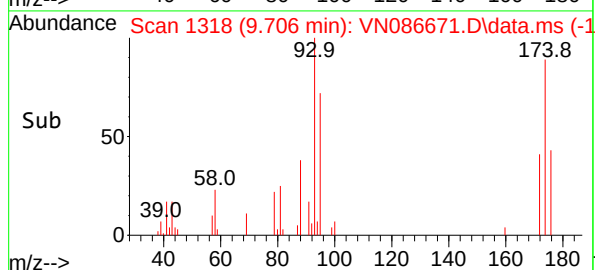
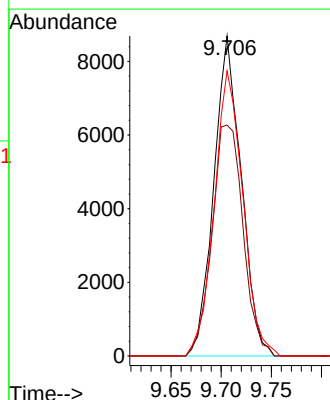
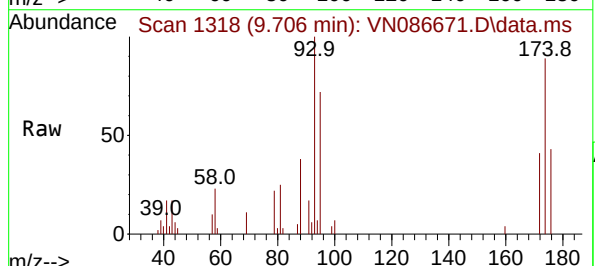
Tgt Ion: 93 Resp: 16556

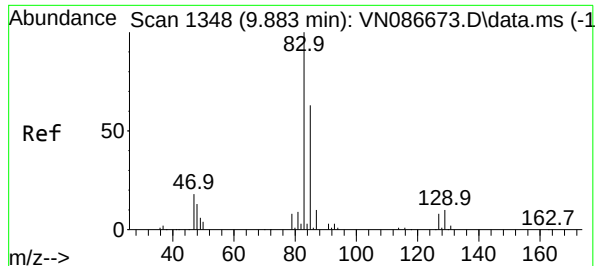
Ion Ratio Lower Upper

93 100

95 81.5 67.1 100.7

174 93.0 73.8 110.6





#47

Bromodichloromethane

Concen: 9.391 ug/l

RT: 9.888 min Scan# 1348

Delta R.T. 0.006 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

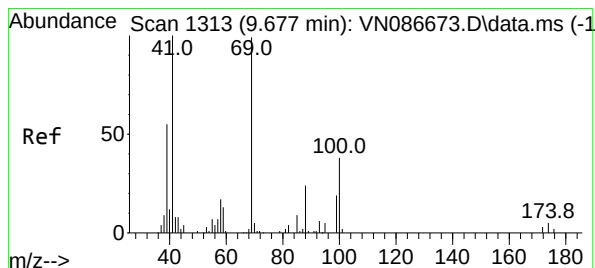
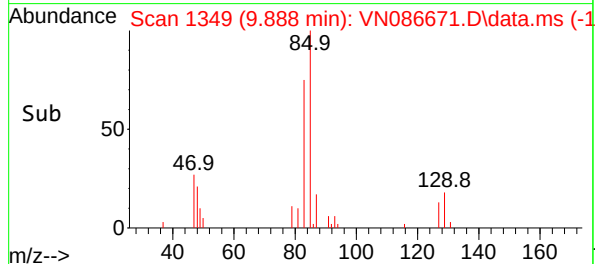
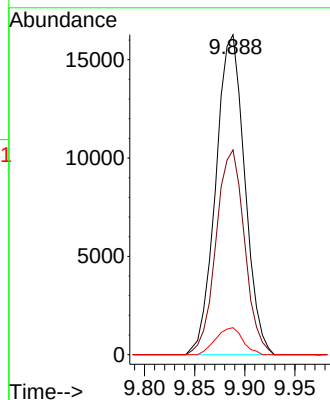
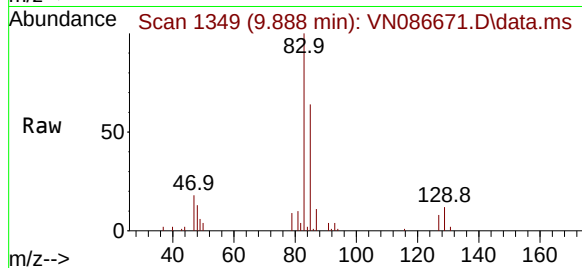
Tgt Ion:	83	Resp:	3263
Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.1	75.1
127	8.4	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#48

Methyl methacrylate

Concen: 8.034 ug/l

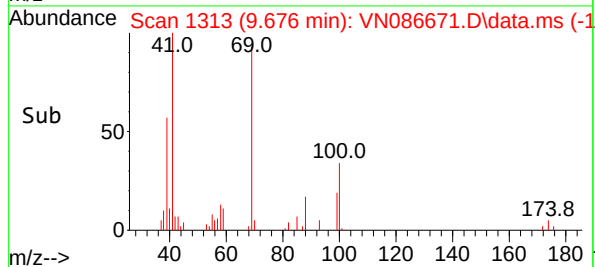
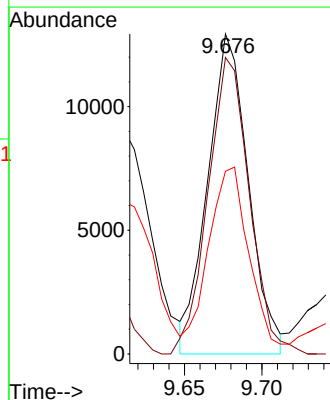
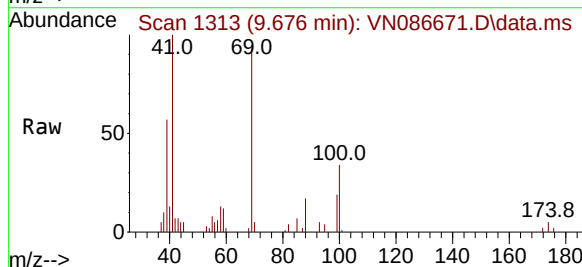
RT: 9.676 min Scan# 1313

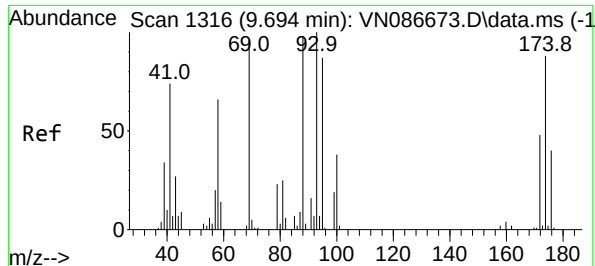
Delta R.T. -0.000 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Tgt Ion:	41	Resp:	23538
Ion	Ratio	Lower	Upper
41	100		
69	94.5	74.1	111.1
39	59.5	44.1	66.1





#49

1,4-Dioxane

Concen: 204.120 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 88 Resp: 10578

Ion Ratio Lower Upper

88 100

43 24.2 23.6 35.4

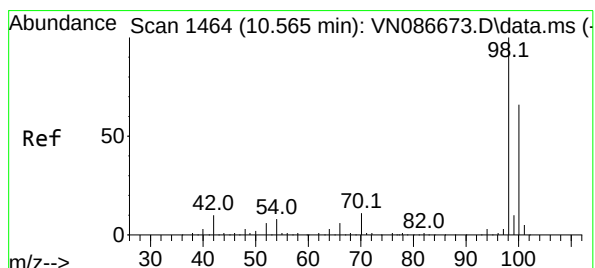
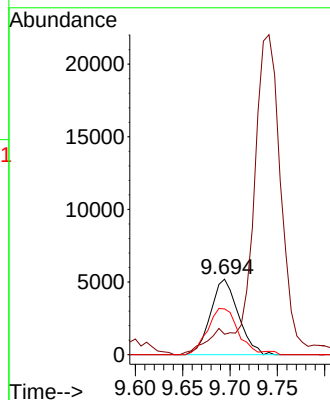
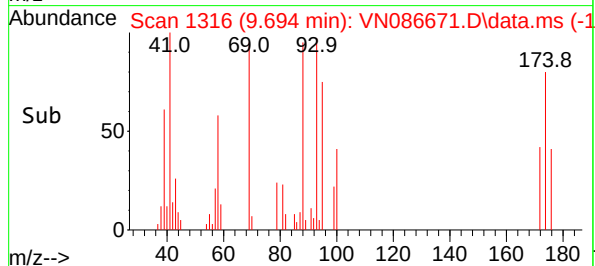
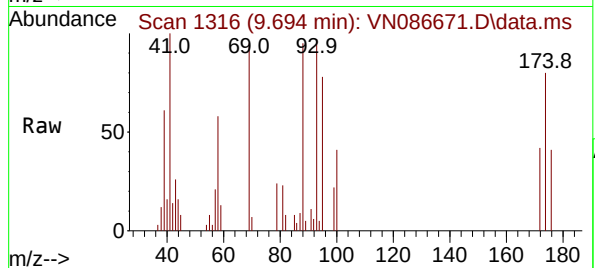
58 68.6 55.3 82.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#50

Toluene-d8

Concen: 9.343 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086671.D

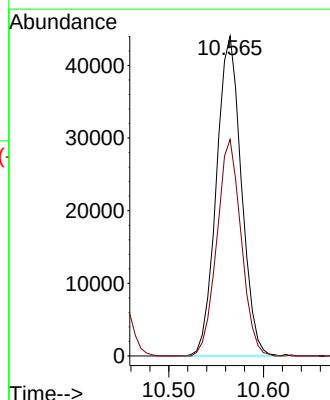
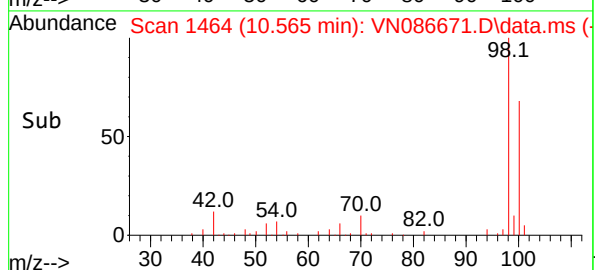
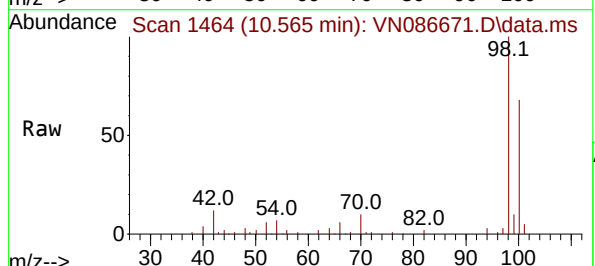
Acq: 16 May 2025 17:19

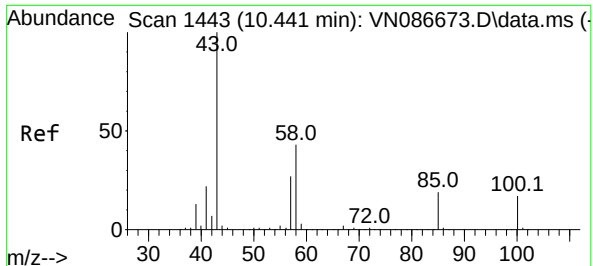
Tgt Ion: 98 Resp: 80603

Ion Ratio Lower Upper

98 100

100 66.0 52.9 79.3





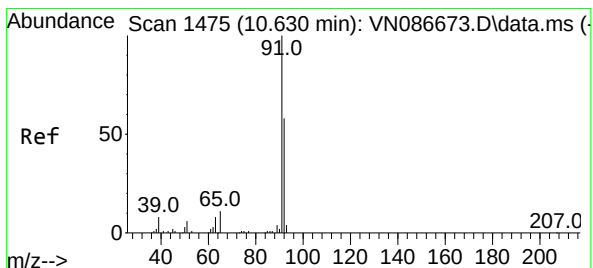
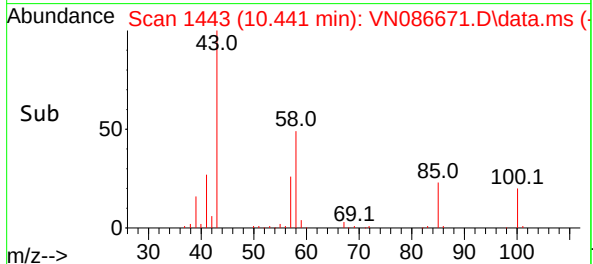
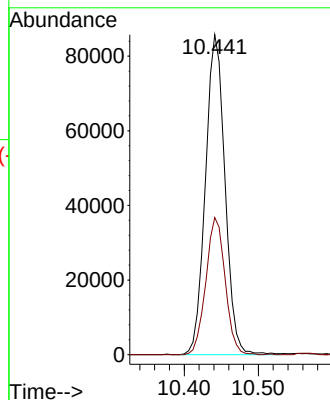
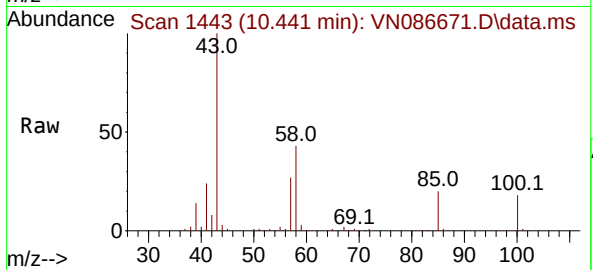
#51
4-Methyl-2-Pentanone
Concen: 45.680 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 15704
Ion Ratio Lower Upper
43 100
58 42.3 33.9 50.9

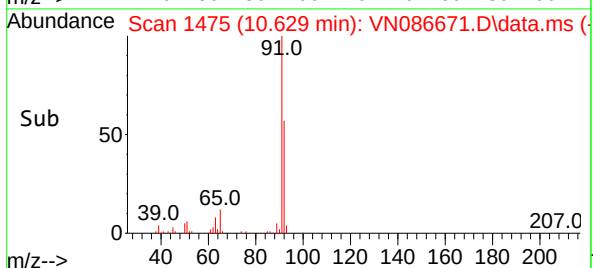
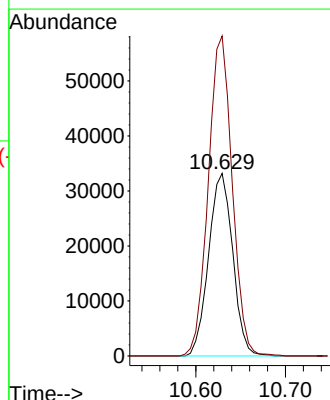
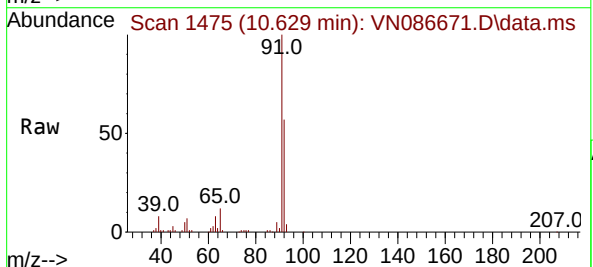
Manual Integrations
APPROVED

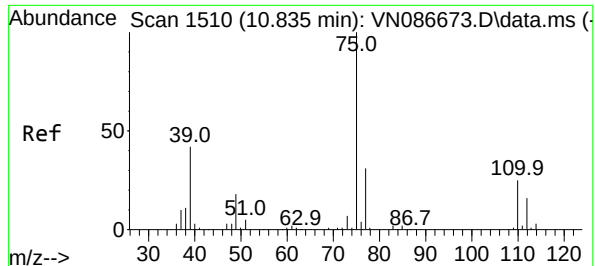
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#52
Toluene
Concen: 9.627 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Tgt Ion: 92 Resp: 61995
Ion Ratio Lower Upper
92 100
91 173.6 137.8 206.8





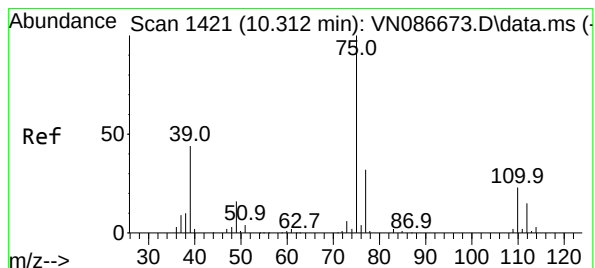
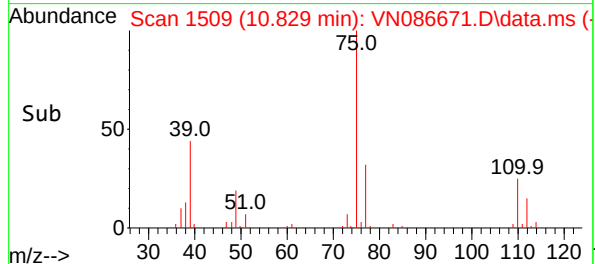
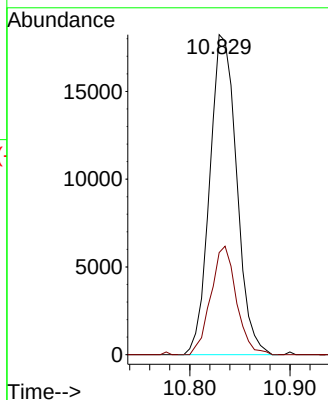
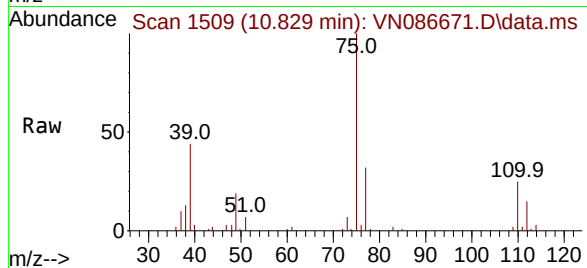
#53
t-1,3-Dichloropropene
Concen: 8.850 ug/l
RT: 10.829 min Scan# 1509
Delta R.T. -0.006 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 34038
Ion Ratio Lower Upper
75 100
77 31.9 25.2 37.8

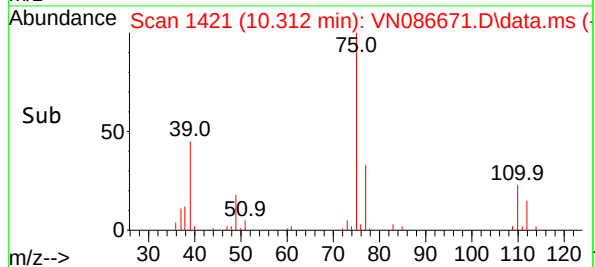
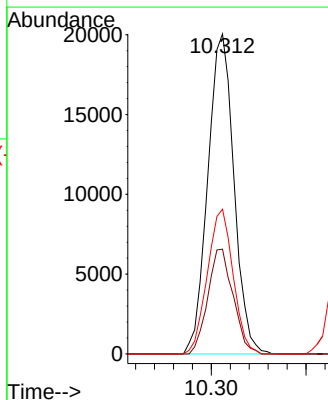
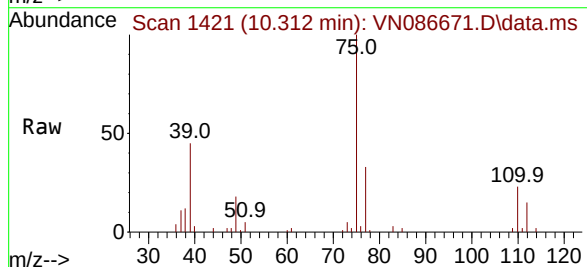
Manual Integrations
APPROVED

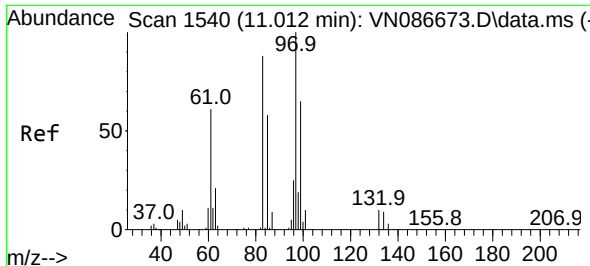
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#54
cis-1,3-Dichloropropene
Concen: 9.072 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

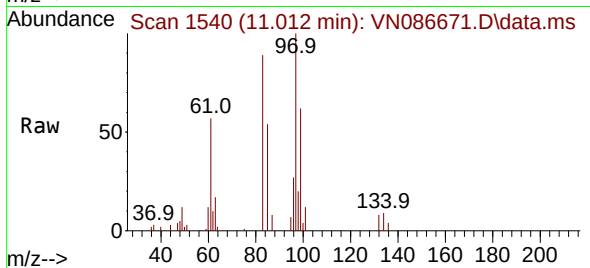
Tgt Ion: 75 Resp: 38382
Ion Ratio Lower Upper
75 100
77 32.8 25.3 37.9
39 45.3 35.2 52.8





#55
1,1,2-Trichloroethane
Concen: 9.795 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

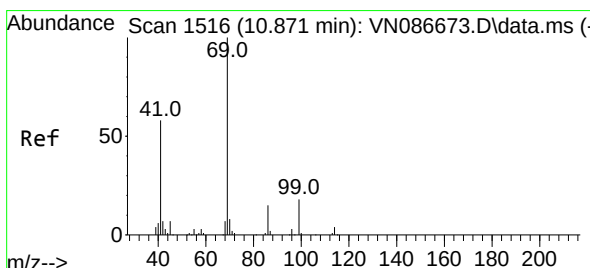
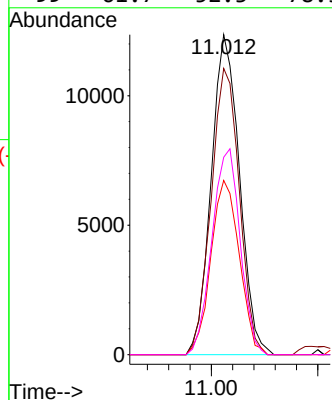
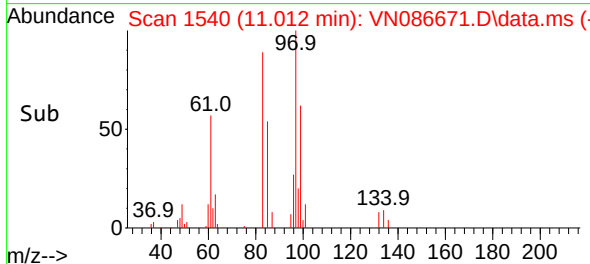
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion:	97	Resp:	22750
Ion	Ratio	Lower	Upper
97	100		
83	89.4	70.4	105.6
85	54.4	46.1	69.1
99	61.7	52.3	78.5

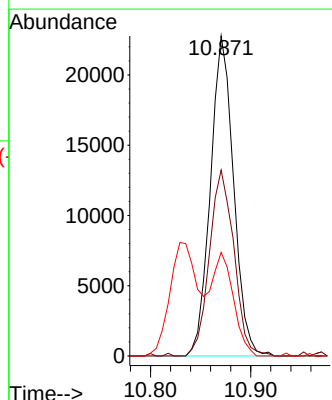
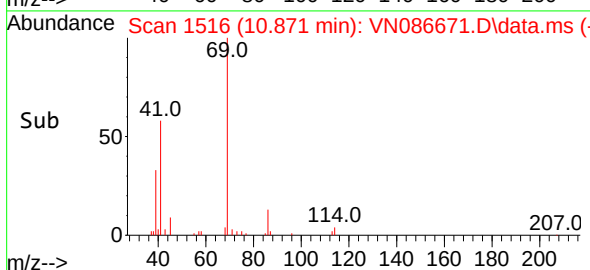
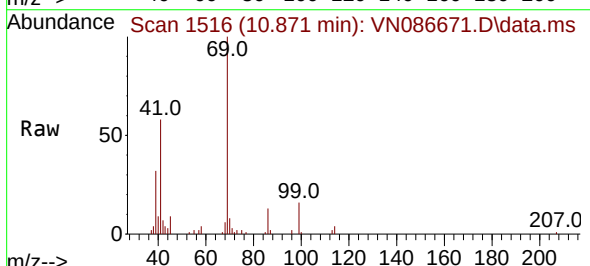
Manual Integrations
APPROVED

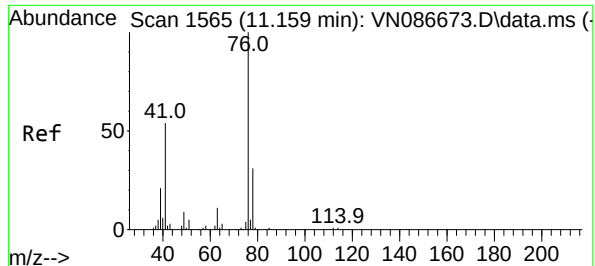
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#56
Ethyl methacrylate
Concen: 8.636 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Tgt Ion:	69	Resp:	36596
Ion	Ratio	Lower	Upper
69	100		
41	61.4	47.4	71.0
39	31.1	24.0	36.0





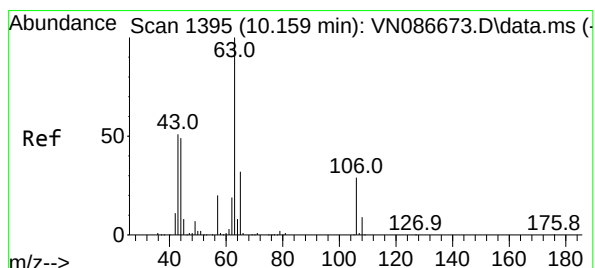
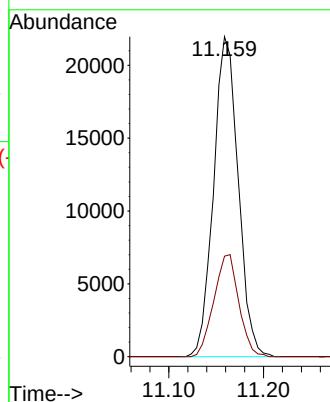
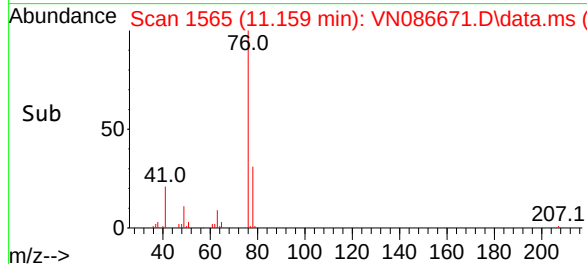
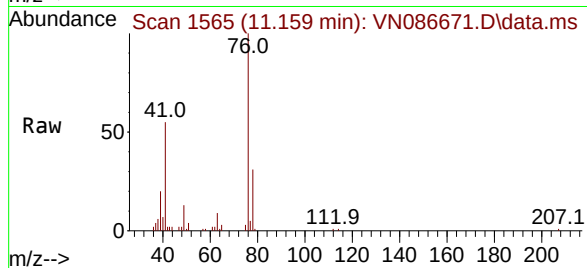
#57
1,3-Dichloropropane
Concen: 9.655 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 39702
Ion Ratio Lower Upper
76 100
78 32.3 25.8 38.8

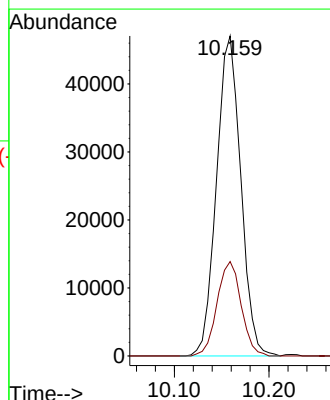
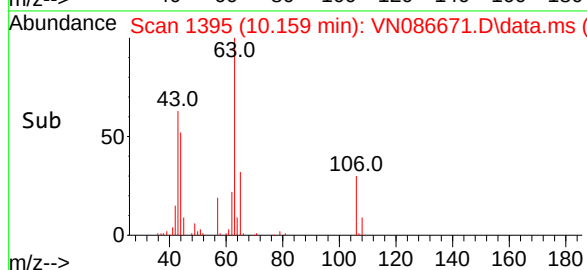
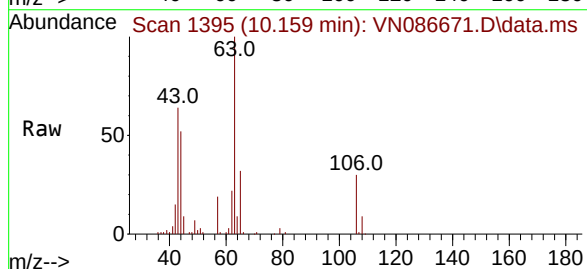
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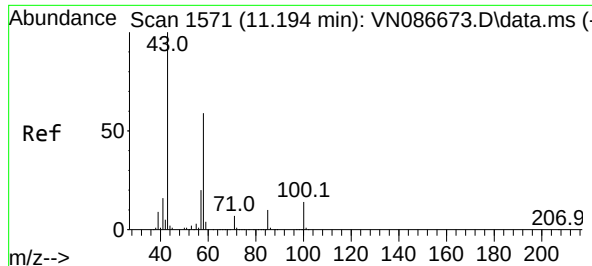
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#58
2-Chloroethyl Vinyl ether
Concen: 42.087 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Tgt Ion: 63 Resp: 83758
Ion Ratio Lower Upper
63 100
106 29.3 23.1 34.7





#59

2-Hexanone

Concen: 45.097 ug/l

RT: 11.194 min Scan# 11510

Delta R.T. -0.000 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 11510

Ion Ratio Lower Upper

43 100

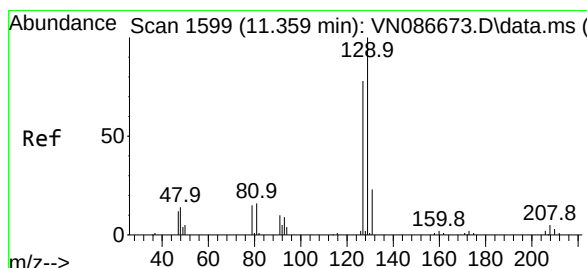
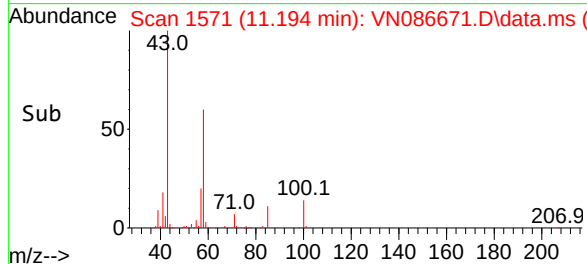
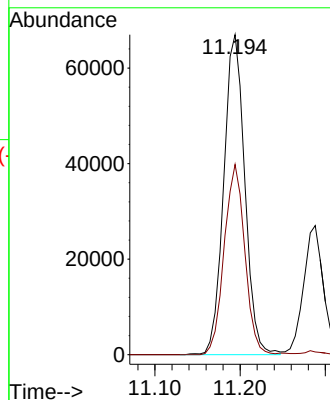
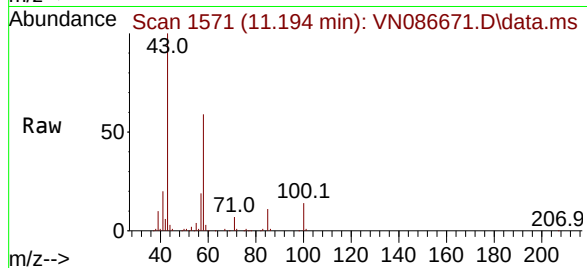
58 58.1 29.8 89.5

Manual Integrations

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Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#60

Dibromochloromethane

Concen: 9.497 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. -0.000 min

Lab File: VN086671.D

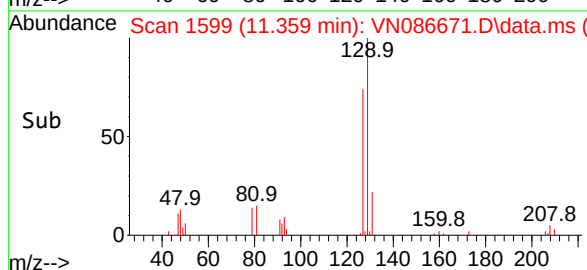
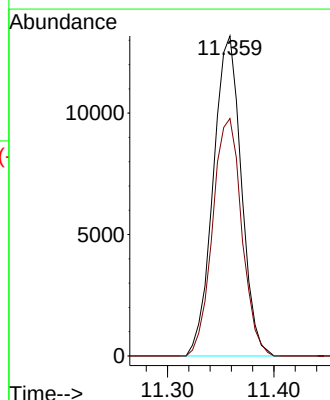
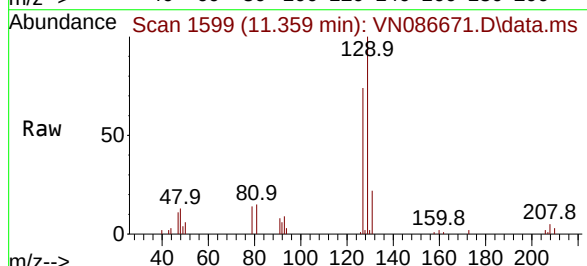
Acq: 16 May 2025 17:19

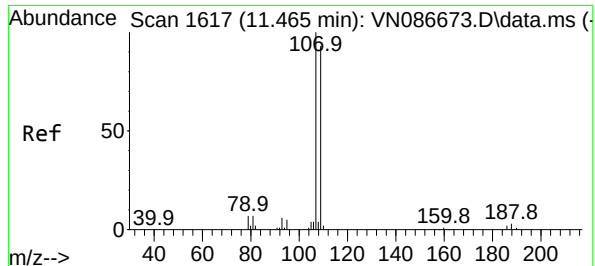
Tgt Ion:129 Resp: 24137

Ion Ratio Lower Upper

129 100

127 76.9 39.5 118.3





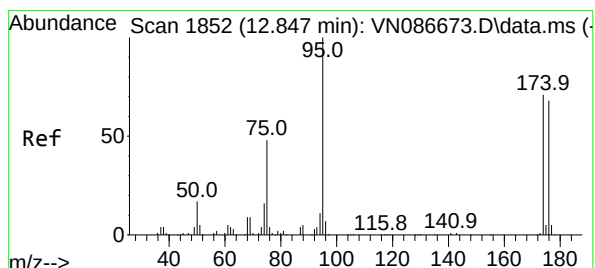
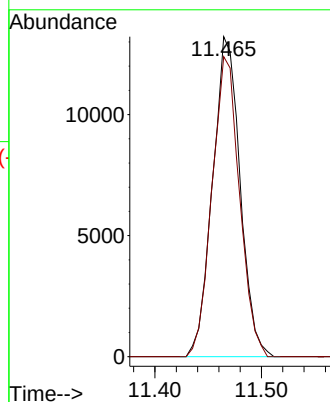
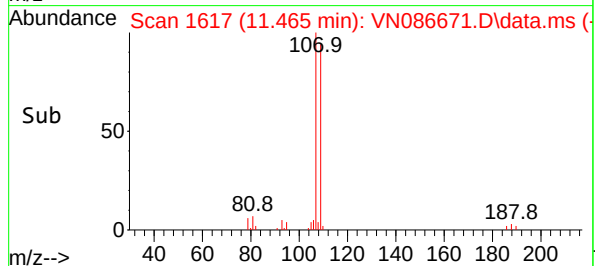
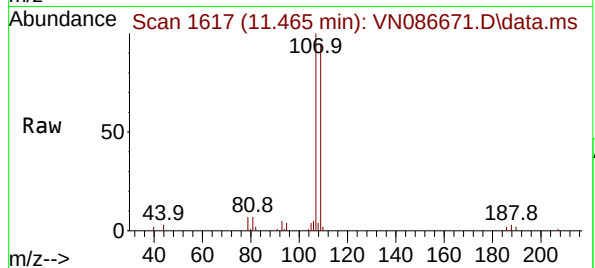
#61
1,2-Dibromoethane
Concen: 10.068 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion:107 Resp: 23669
Ion Ratio Lower Upper
107 100
109 93.8 75.0 112.4

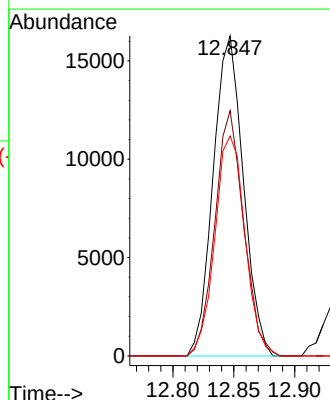
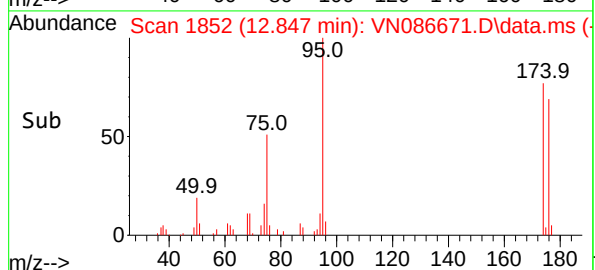
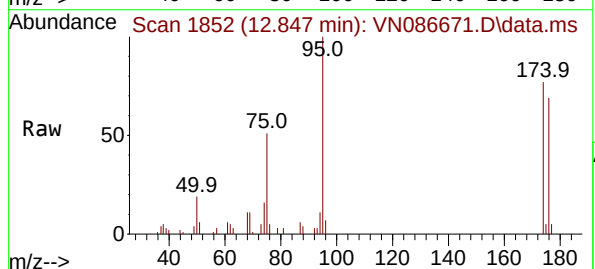
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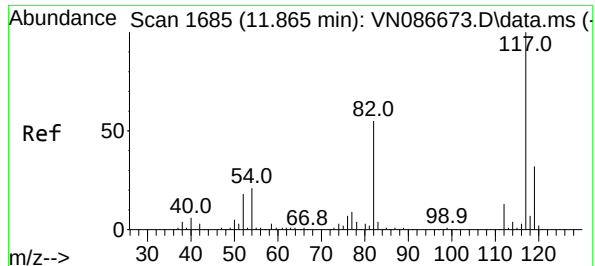
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#62
4-Bromofluorobenzene
Concen: 8.941 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Tgt Ion: 95 Resp: 28023
Ion Ratio Lower Upper
95 100
174 73.0 0.0 145.4
176 68.7 0.0 137.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion:117 Resp: 31040

Ion Ratio Lower Upper

117 100

82 56.0 44.2 66.2

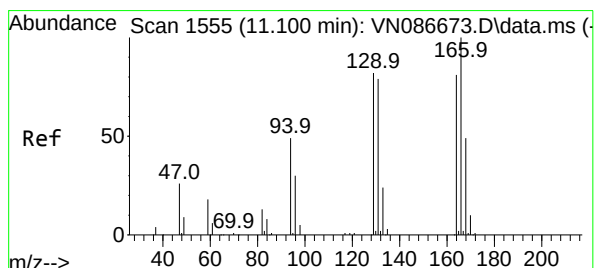
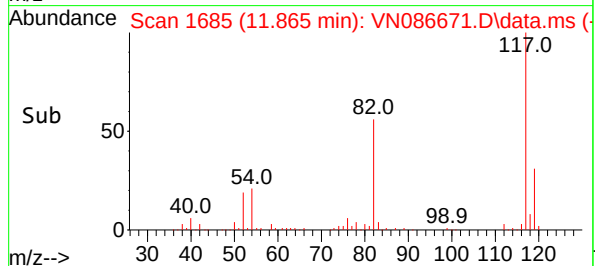
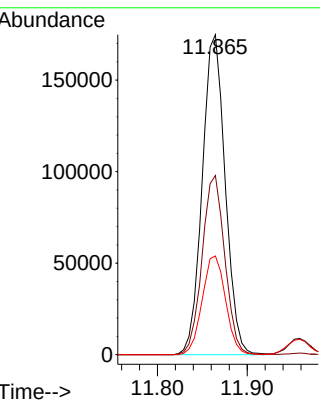
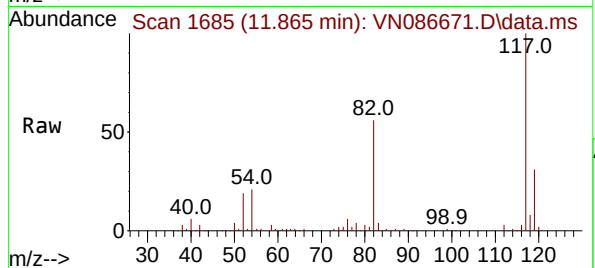
119 30.8 25.4 38.2

Manual Integrations

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Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#64

Tetrachloroethene

Concen: 10.197 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Tgt Ion:164 Resp: 24331

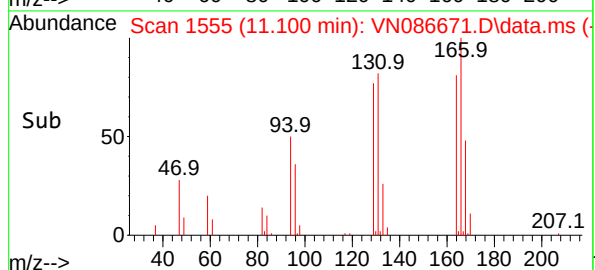
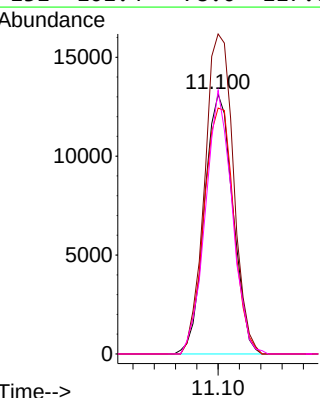
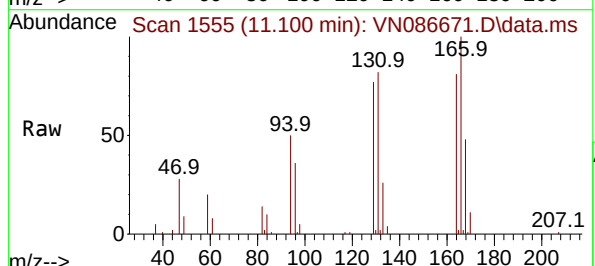
Ion Ratio Lower Upper

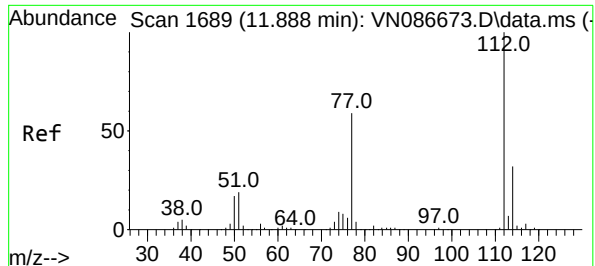
164 100

166 123.2 98.2 147.4

129 94.7 81.0 121.4

131 101.4 78.0 117.0





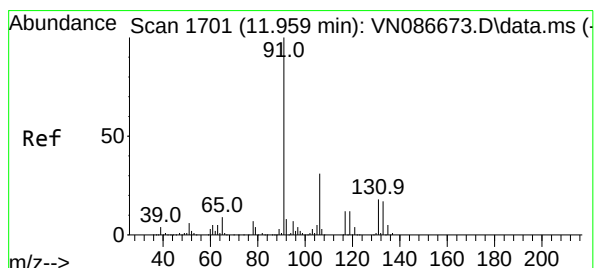
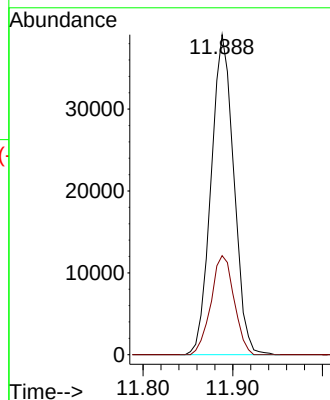
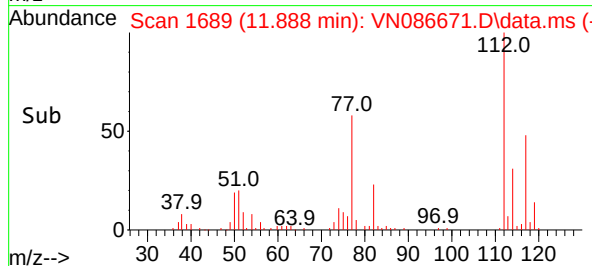
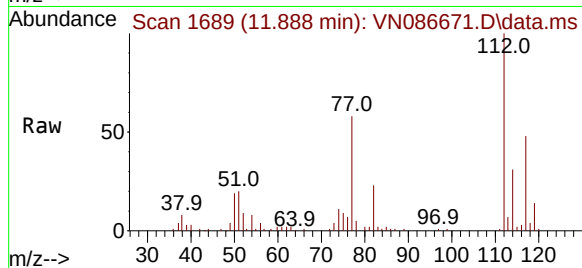
#65
Chlorobenzene
Concen: 9.924 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion:112 Resp: 6884
Ion Ratio Lower Upper
112 100
114 30.9 25.9 38.9

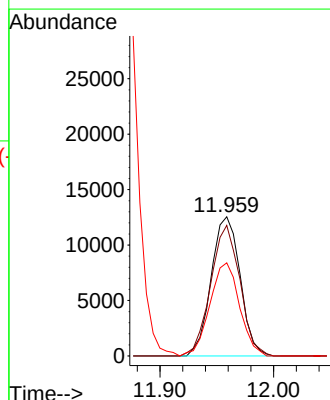
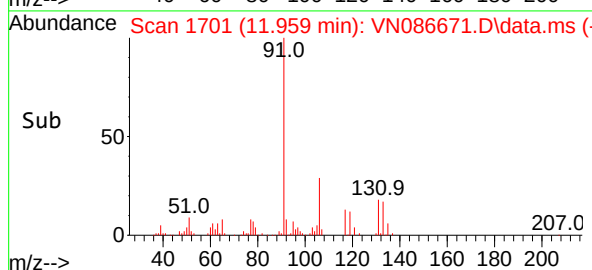
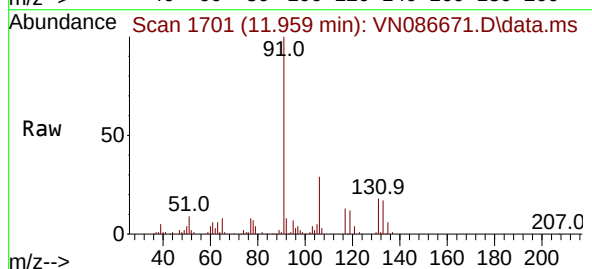
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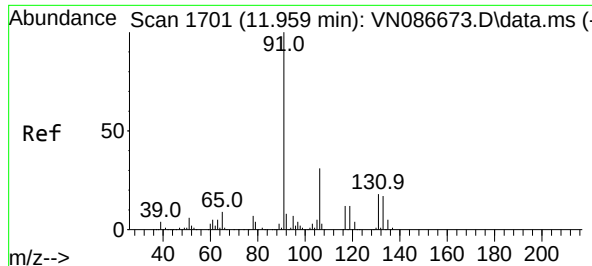
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 9.708 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Tgt Ion:131 Resp: 22204
Ion Ratio Lower Upper
131 100
133 94.7 47.9 143.7
119 68.5 33.6 100.8





#67

Ethyl Benzene

Concen: 9.322 ug/l

RT: 11.959 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 91 Resp: 11602

Ion Ratio Lower Upper

91 100

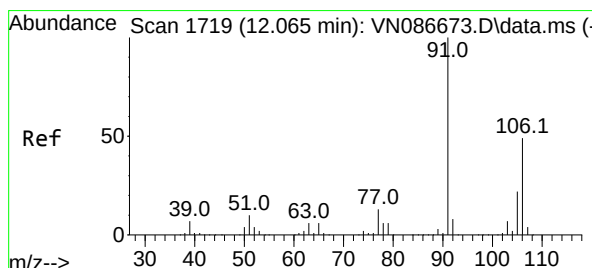
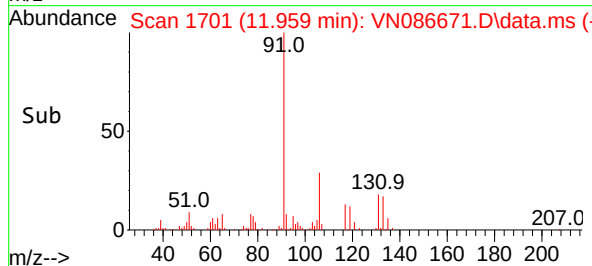
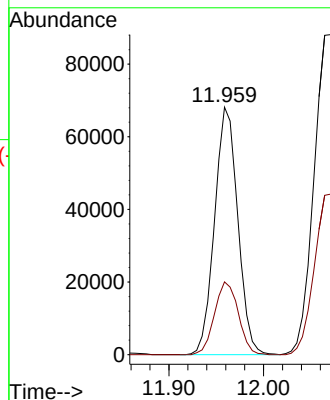
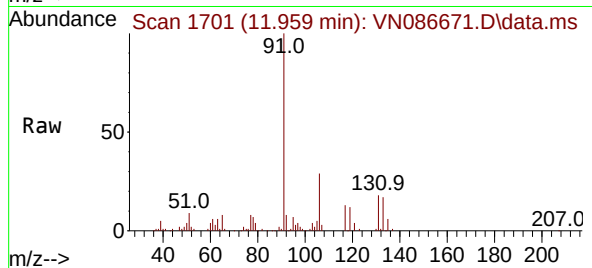
106 29.4 24.6 36.8

Manual Integrations

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Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#68

m/p-Xylenes

Concen: 19.076 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. 0.006 min

Lab File: VN086671.D

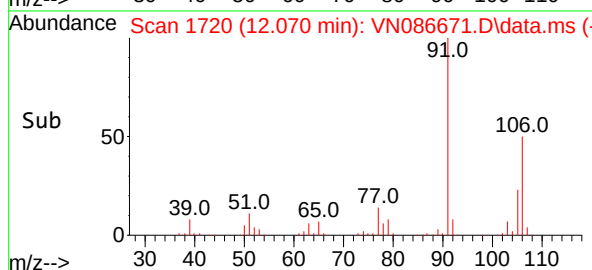
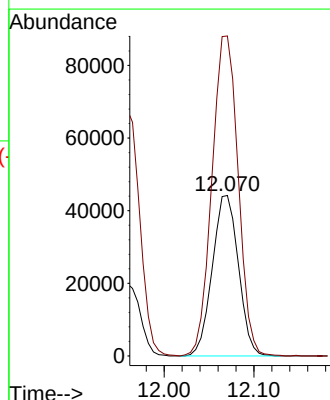
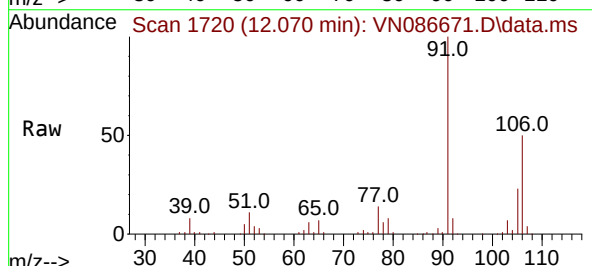
Acq: 16 May 2025 17:19

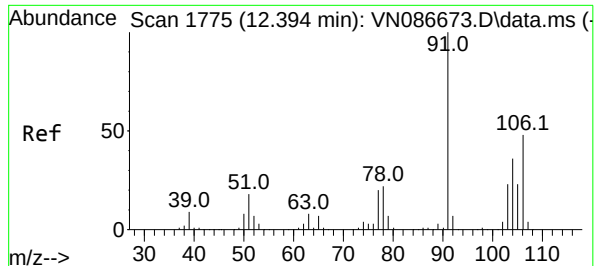
Tgt Ion:106 Resp: 89159

Ion Ratio Lower Upper

106 100

91 200.4 162.4 243.6





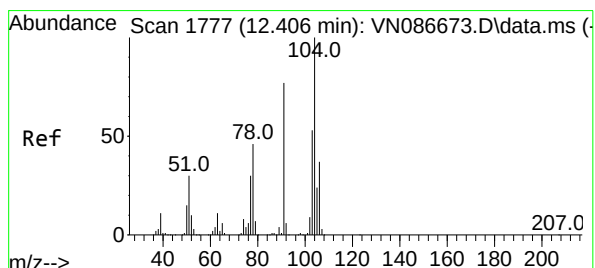
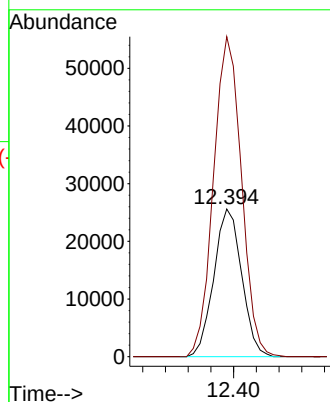
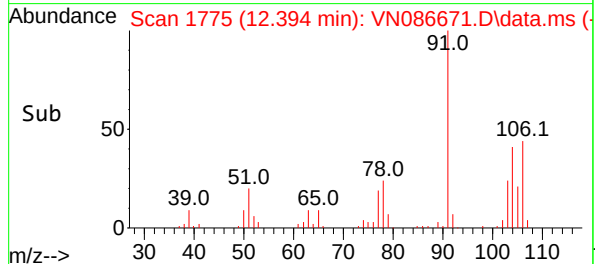
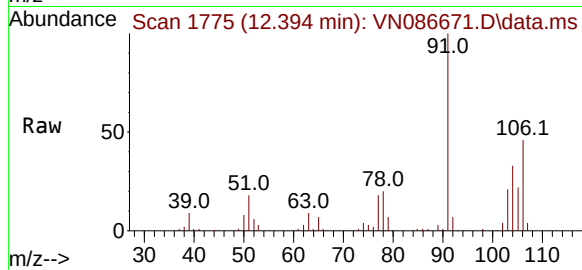
#69
o-Xylene
Concen: 9.401 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 43629
Ion Ratio Lower Upper
106 100
91 217.1 105.1 315.1

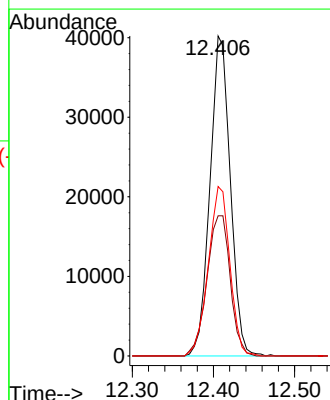
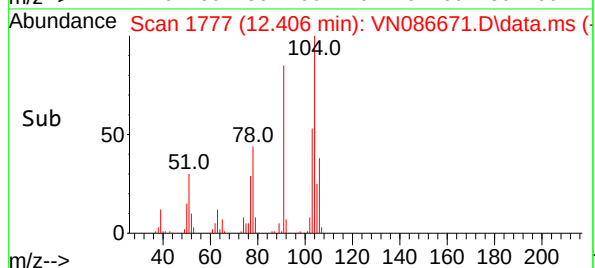
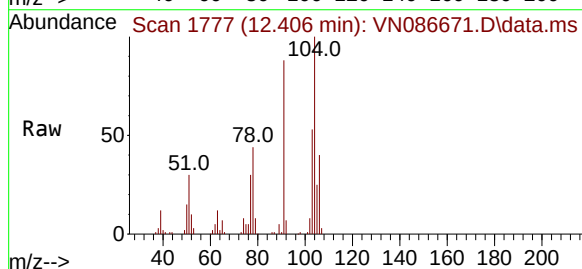
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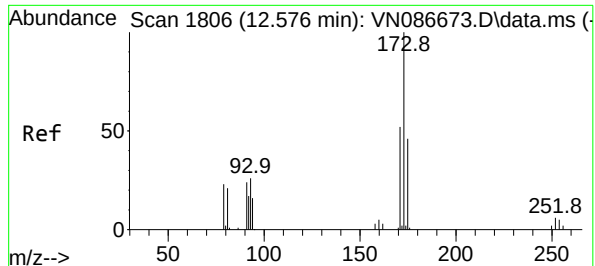
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#70
Styrene
Concen: 9.099 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

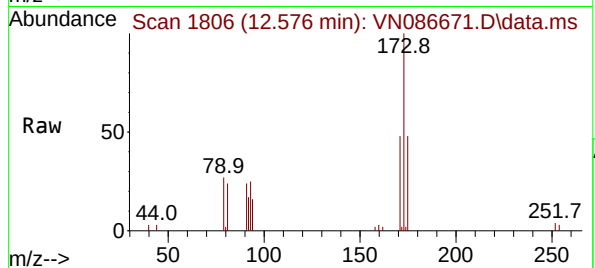
Tgt Ion:104 Resp: 70053
Ion Ratio Lower Upper
104 100
78 50.1 39.0 58.6
103 56.0 43.8 65.8





#71
Bromoform
Concen: 8.916 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

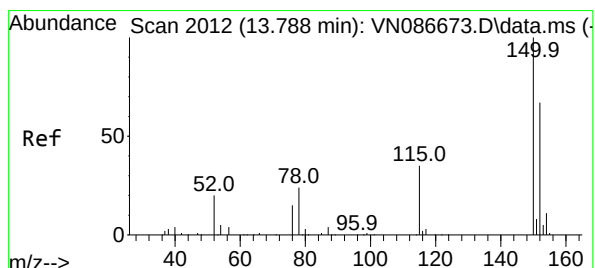
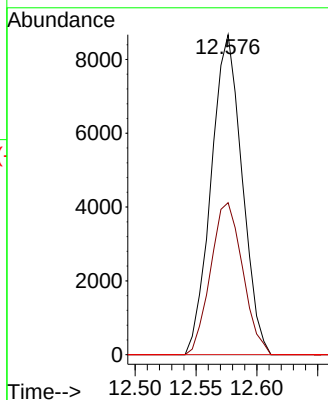
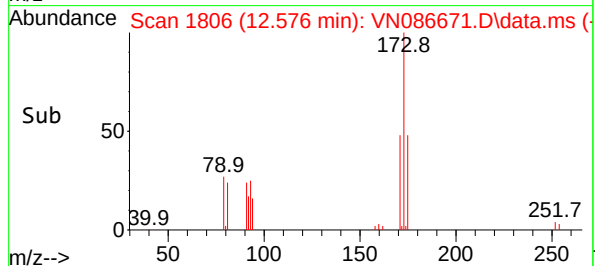
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



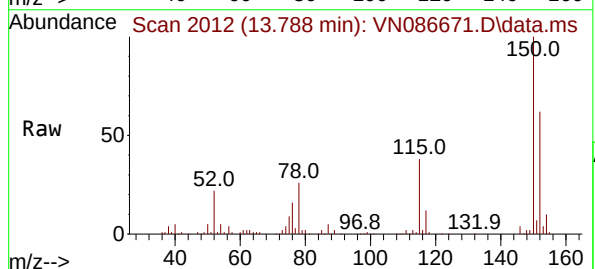
Tgt Ion:173 Resp: 15340
Ion Ratio Lower Upper
173 100
175 49.2 23.4 70.2
254 0.0 0.0 0.0

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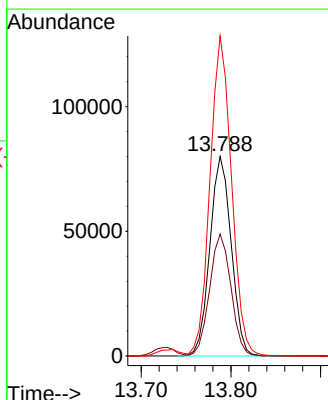
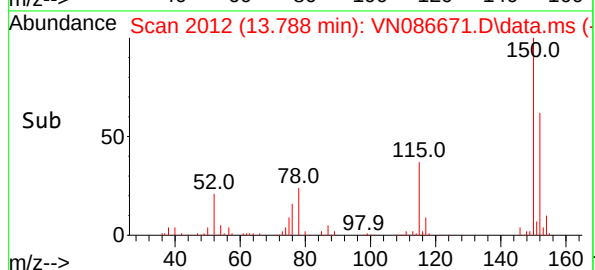
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

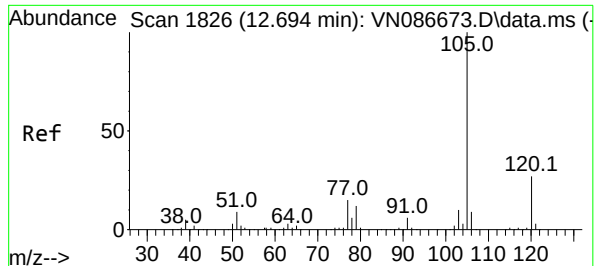


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19



Tgt Ion:152 Resp: 132166
Ion Ratio Lower Upper
152 100
115 61.1 30.0 90.1
150 161.5 0.0 347.8





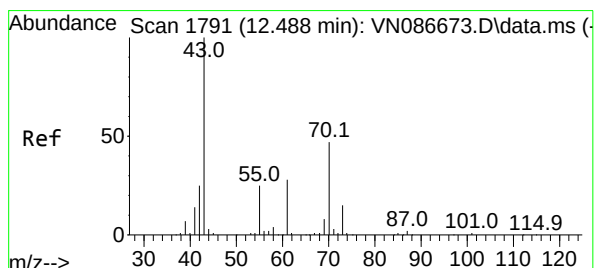
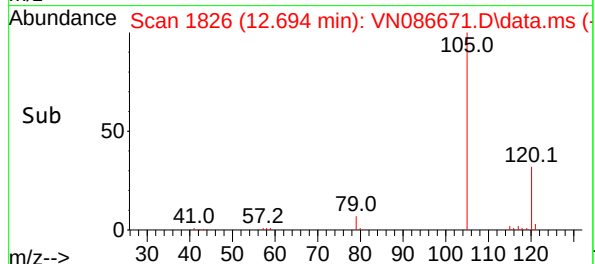
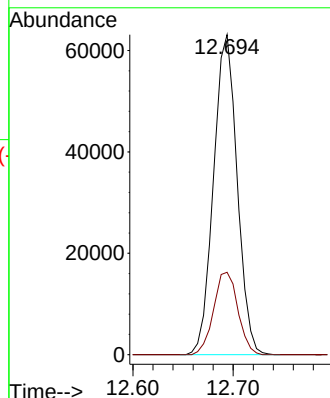
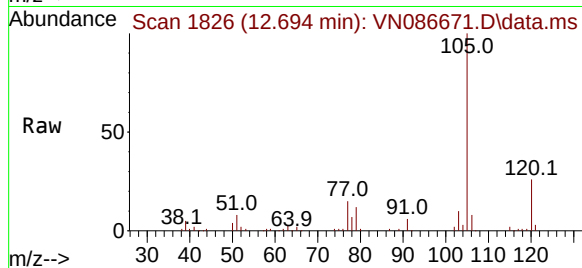
#73
Isopropylbenzene
Concen: 9.616 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion:105 Resp: 103170
Ion Ratio Lower Upper
105 100
120 26.5 13.4 40.1

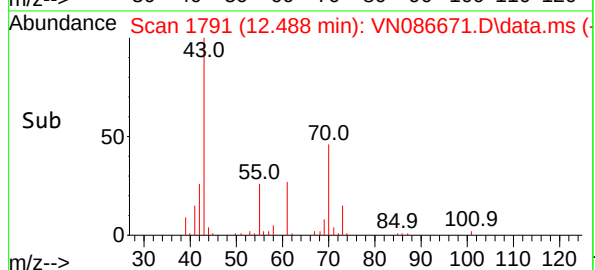
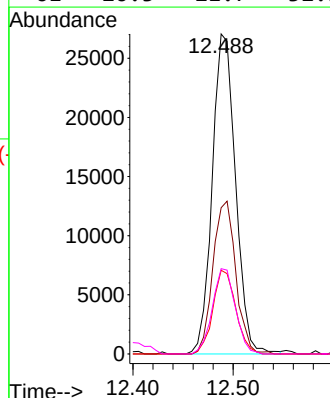
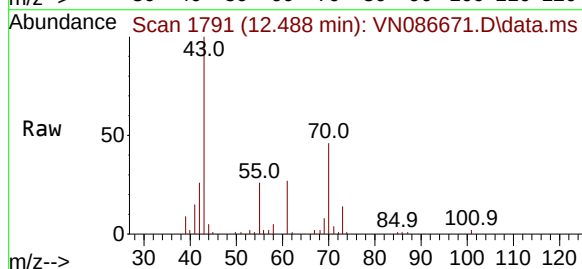
Manual Integrations
APPROVED

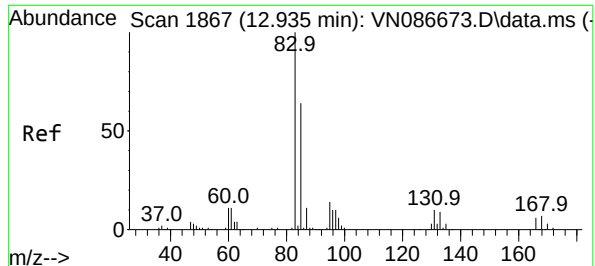
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#74
N-ethyl acetate
Concen: 8.299 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Tgt Ion: 43 Resp: 43684
Ion Ratio Lower Upper
43 100
70 46.9 37.9 56.9
55 25.7 20.5 30.7
61 26.3 21.7 32.5





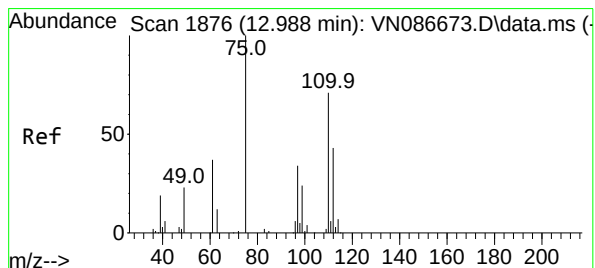
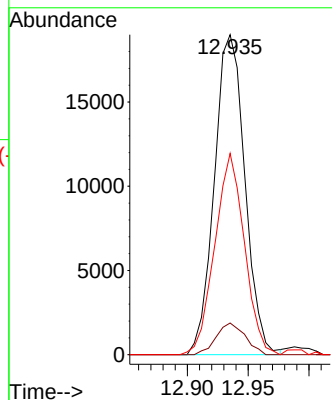
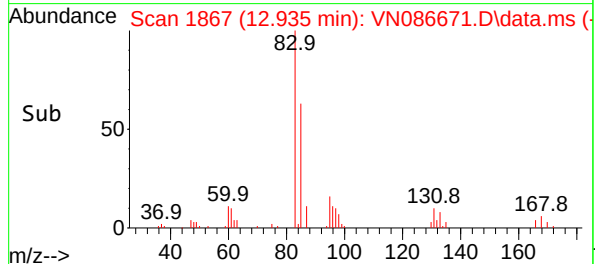
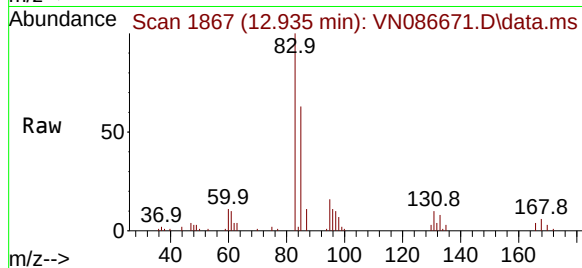
#75
1,1,2-Tetrachloroethane
Concen: 10.640 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion: 83 Resp: 3316
Ion Ratio Lower Upper
83 100
131 9.4 5.0 15.0
85 60.9 32.4 97.2

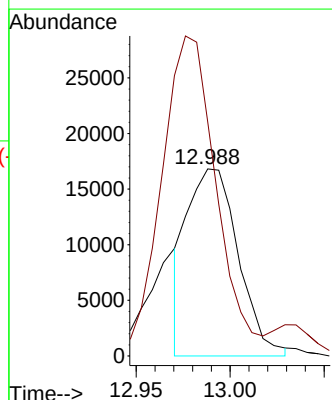
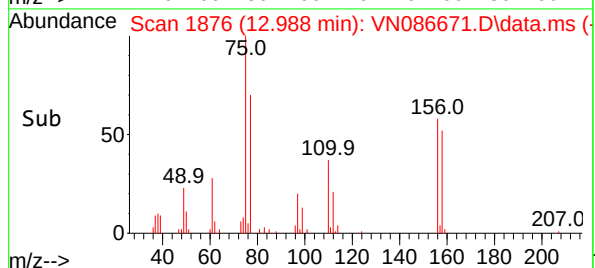
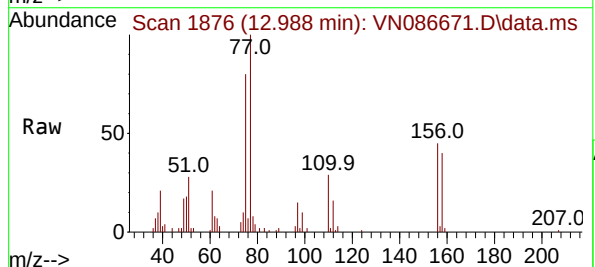
Manual Integrations
APPROVED

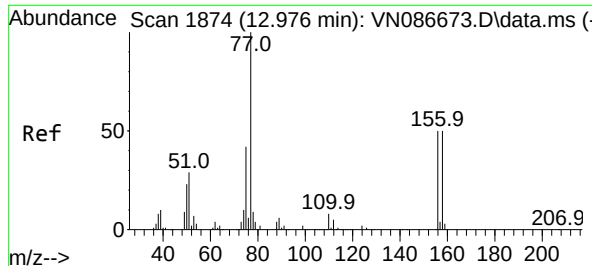
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#76
1,2,3-Trichloropropane
Concen: 10.213 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

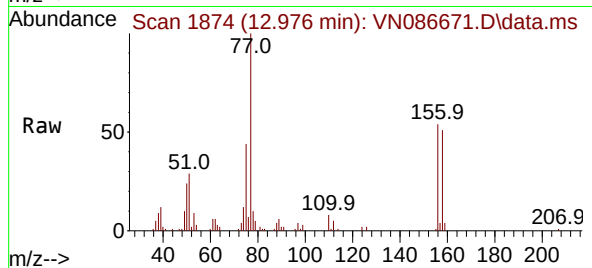
Tgt Ion: 75 Resp: 31781
Ion Ratio Lower Upper
75 100
77 183.3 96.0 288.1





#77
Bromobenzene
Concen: 10.785 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

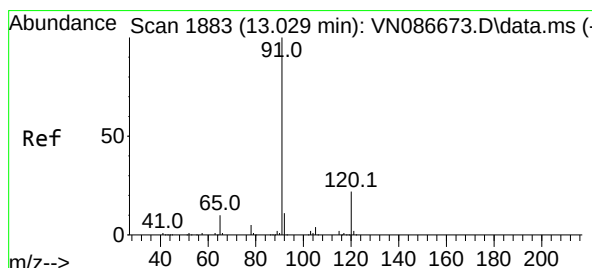
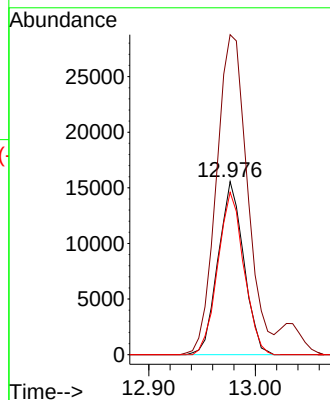
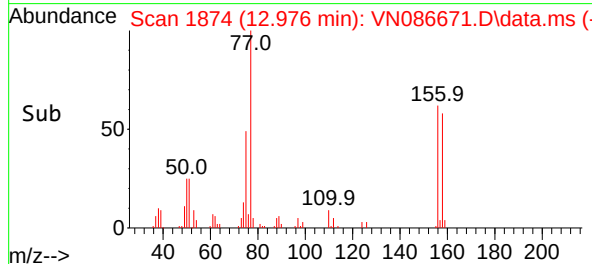
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion:156 Resp: 25930
Ion Ratio Lower Upper
156 100
77 224.6 113.1 339.2
158 95.6 48.6 145.9

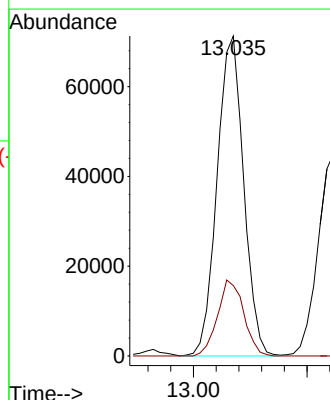
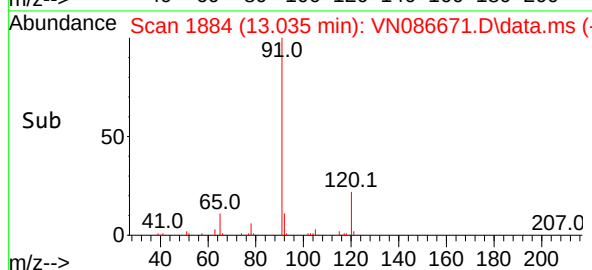
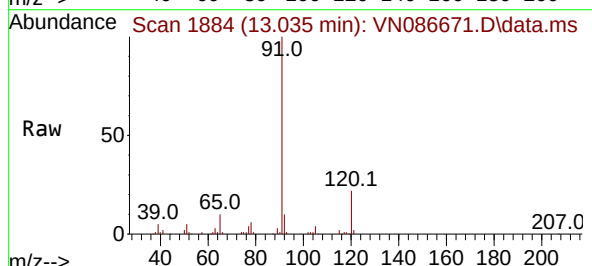
Manual Integrations
APPROVED

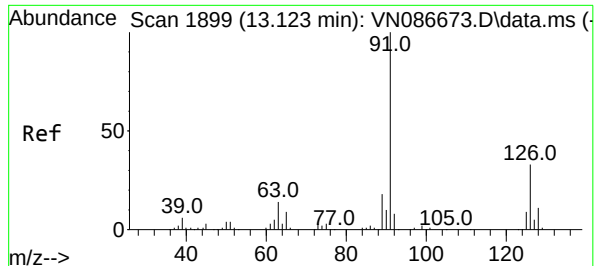
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#78
n-propylbenzene
Concen: 9.188 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Tgt Ion: 91 Resp: 115866
Ion Ratio Lower Upper
91 100
120 23.3 11.4 34.1





#79

2-Chlorotoluene

Concen: 9.808 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 77792

Ion Ratio Lower Upper

91 100

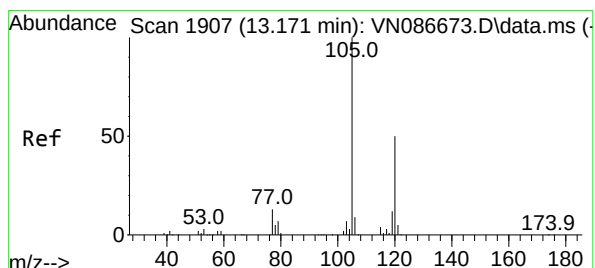
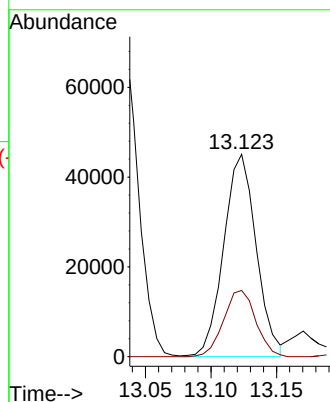
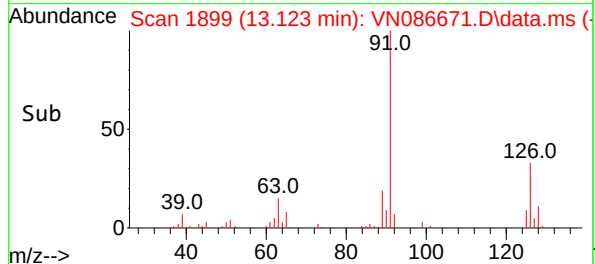
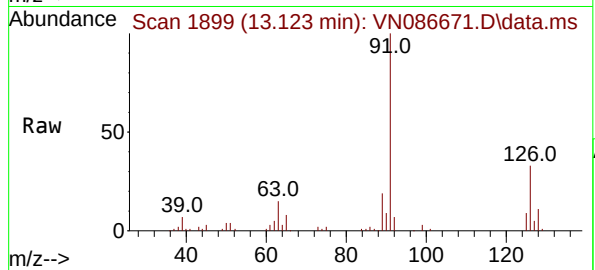
126 32.4 16.6 49.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#80

1,3,5-Trimethylbenzene

Concen: 9.534 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN086671.D

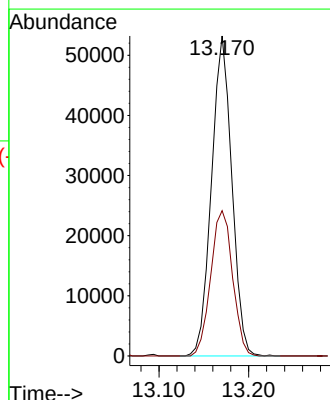
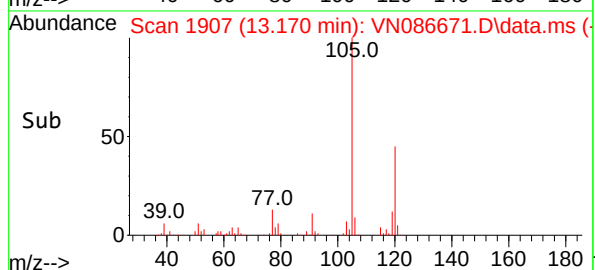
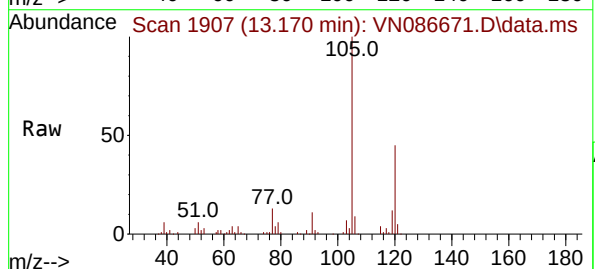
Acq: 16 May 2025 17:19

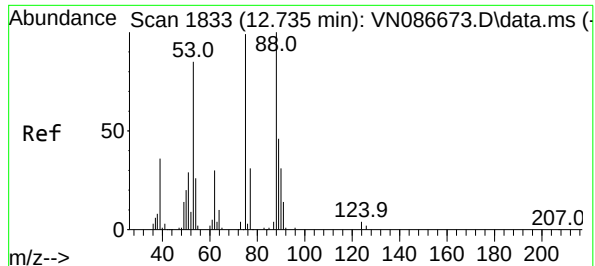
Tgt Ion:105 Resp: 83733

Ion Ratio Lower Upper

105 100

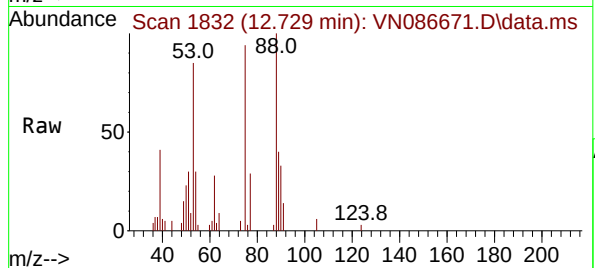
120 48.8 24.9 74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 8.635 ug/l
RT: 12.729 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

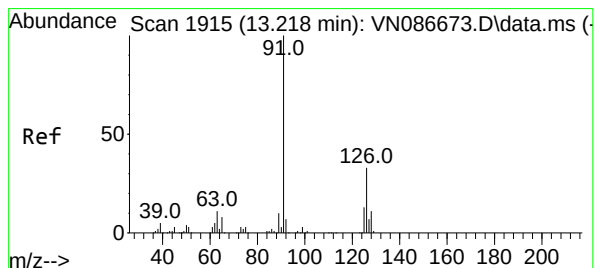
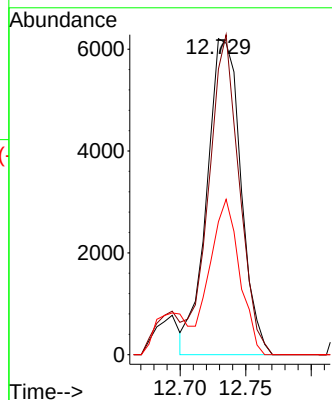
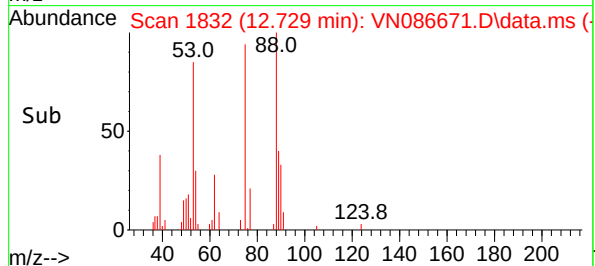
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion: 75 Resp: 1116
Ion Ratio Lower Upper
75 100
53 91.7 70.4 105.6
89 42.3 32.4 48.6

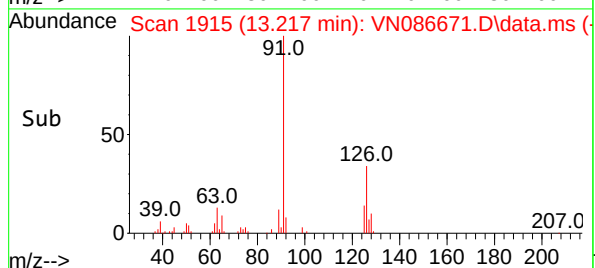
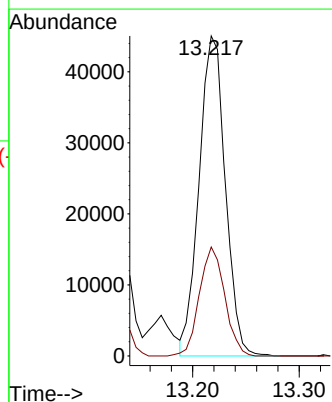
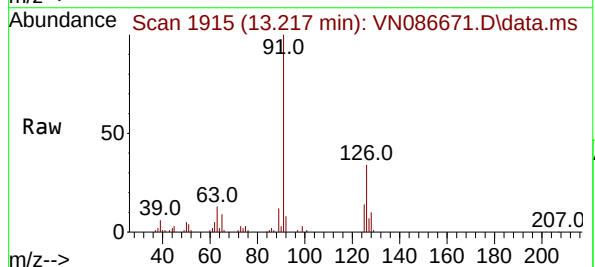
Manual Integrations
APPROVED

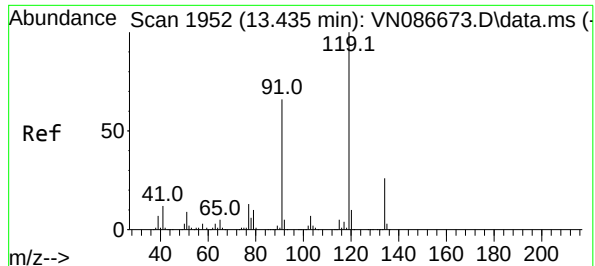
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#82
4-Chlorotoluene
Concen: 9.839 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Tgt Ion: 91 Resp: 77247
Ion Ratio Lower Upper
91 100
126 32.8 17.0 50.9





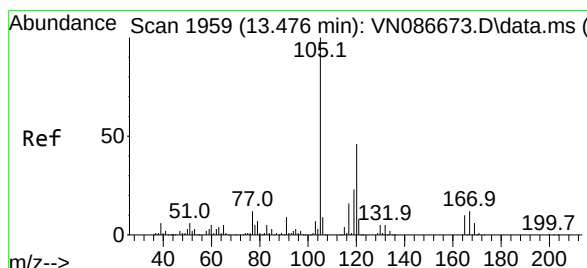
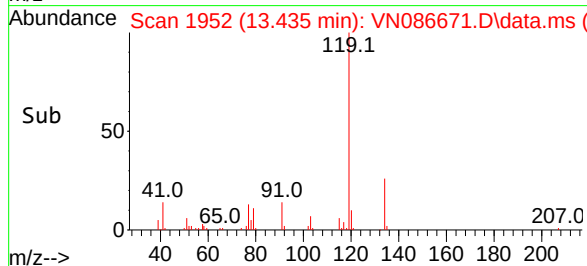
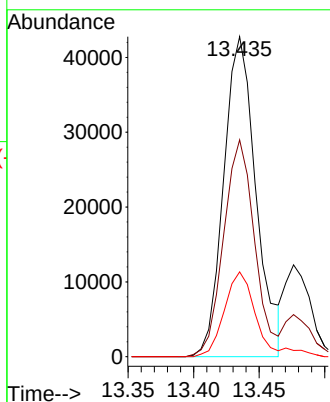
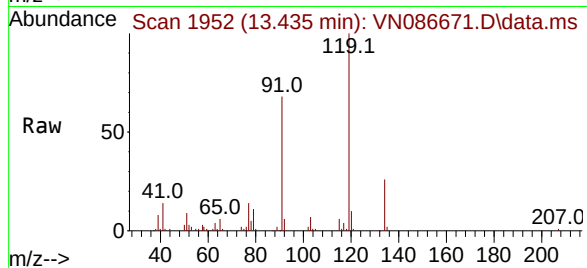
#83
tert-Butylbenzene
Concen: 9.647 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion	Ratio	Lower	Upper
119	100		
91	65.2	32.9	98.7
134	26.4	13.4	40.1

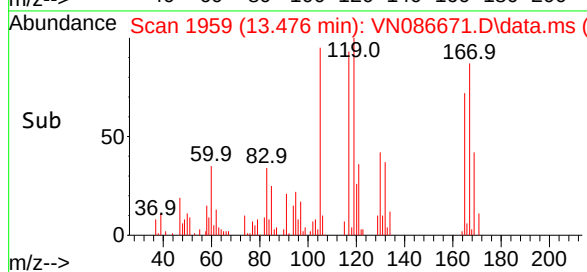
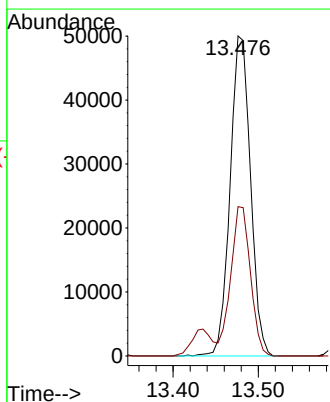
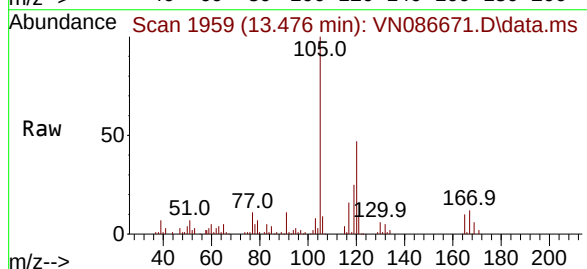
Manual Integrations
APPROVED

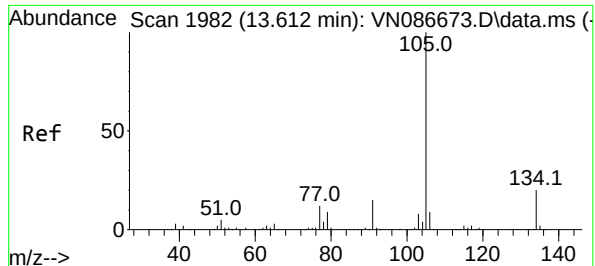
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#84
1,2,4-Trimethylbenzene
Concen: 9.310 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

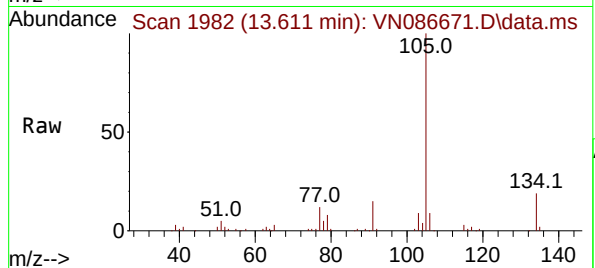
Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	23.2	69.6





#85
sec-Butylbenzene
Concen: 9.441 ug/l
RT: 13.611 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

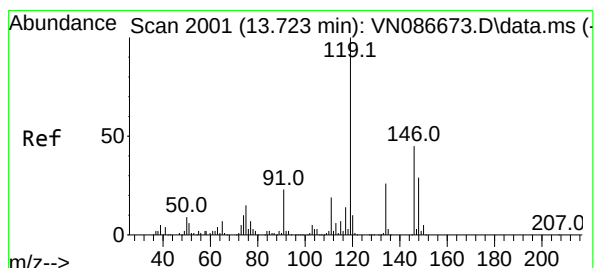
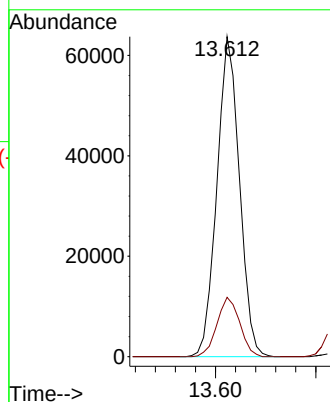
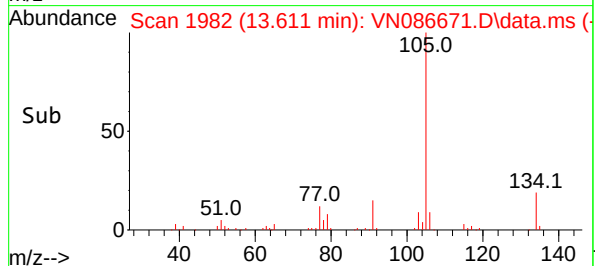
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



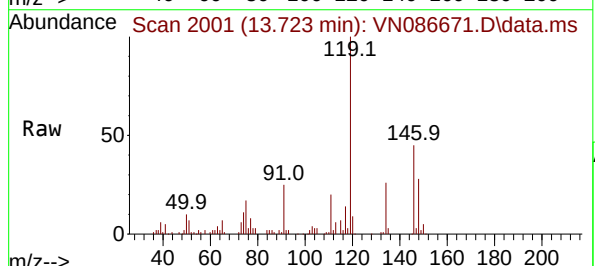
Tgt Ion:105 Resp: 99120
Ion Ratio Lower Upper
105 100
134 18.8 10.1 30.1

Manual Integrations
APPROVED

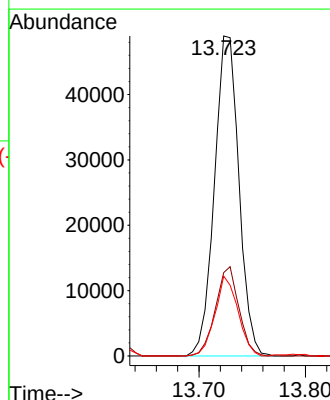
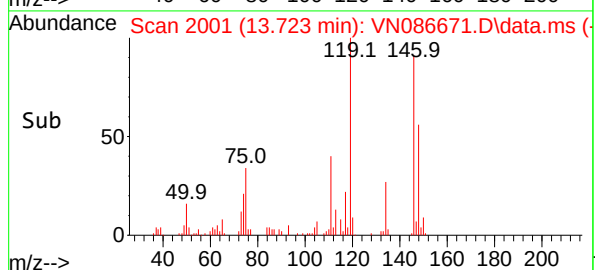
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

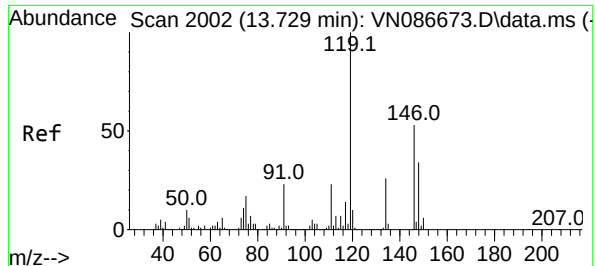


#86
p-Isopropyltoluene
Concen: 9.023 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19



Tgt Ion:119 Resp: 78078
Ion Ratio Lower Upper
119 100
134 26.7 13.1 39.1
91 23.4 11.5 34.5





#87

1,3-Dichlorobenzene

Concen: 10.027 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

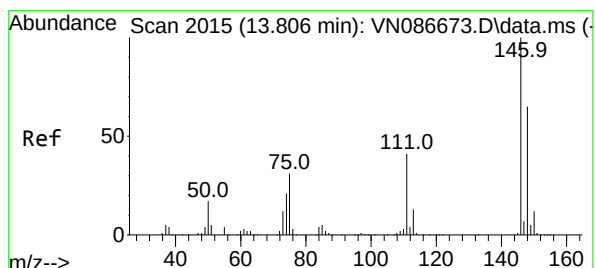
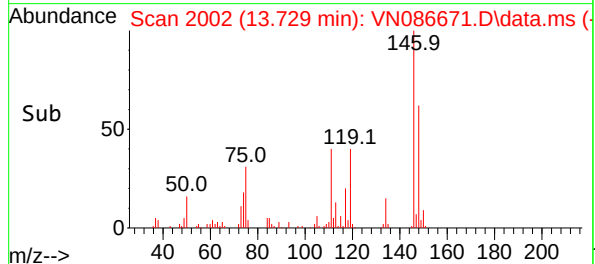
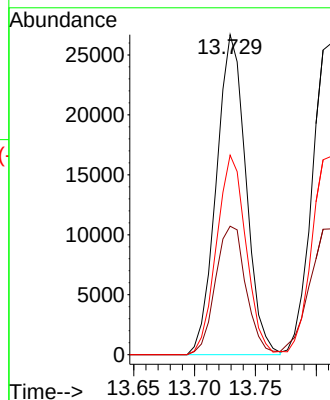
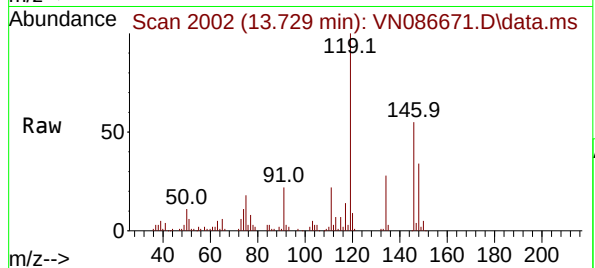
Tgt Ion:	146	Resp:	4512
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.9	62.7
148	62.4	31.8	95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#88

1,4-Dichlorobenzene

Concen: 9.907 ug/l

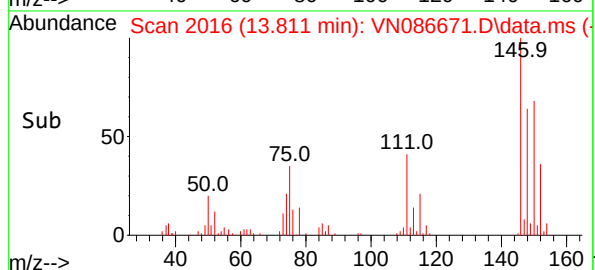
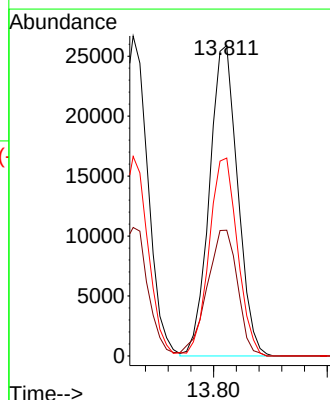
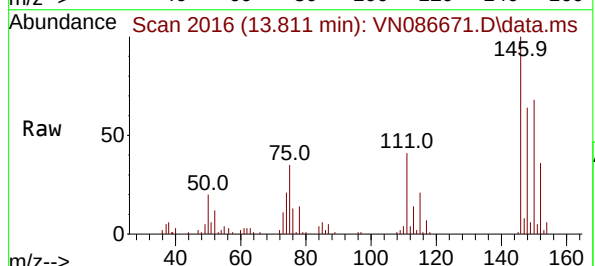
RT: 13.811 min Scan# 2016

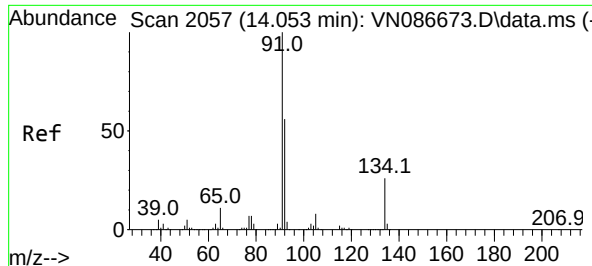
Delta R.T. 0.006 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Tgt Ion:	146	Resp:	44799
Ion Ratio	Lower	Upper	
146	100		
111	43.6	20.6	61.8
148	63.8	32.0	96.0





#89

n-Butylbenzene

Concen: 8.345 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

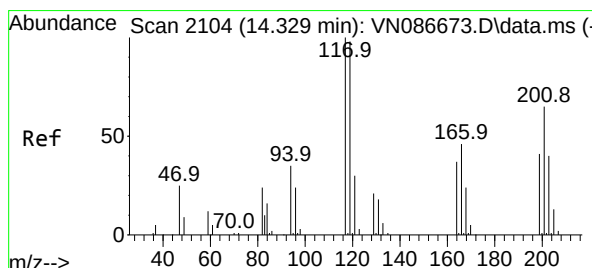
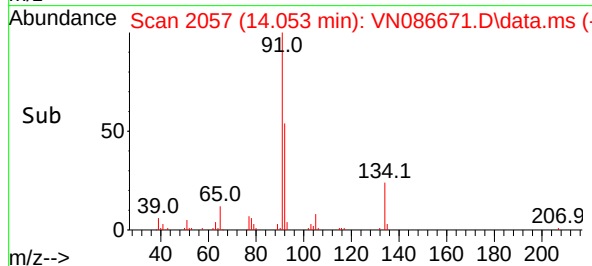
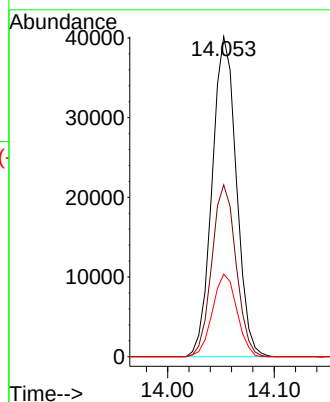
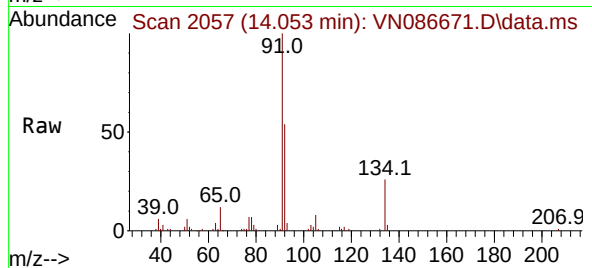
Tgt Ion:	91	Resp:	6338
Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.4	82.0
134	26.0	12.8	38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#90

Hexachloroethane

Concen: 8.934 ug/l

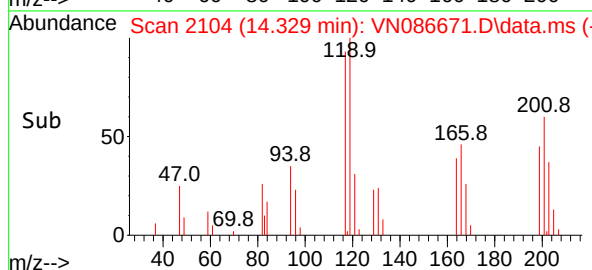
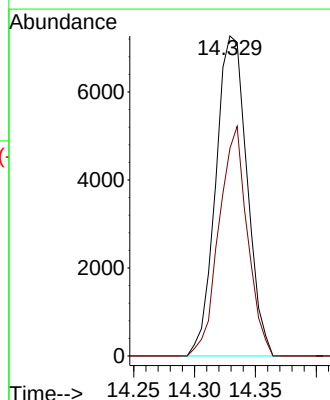
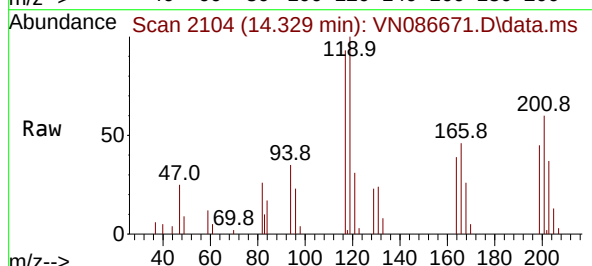
RT: 14.329 min Scan# 2104

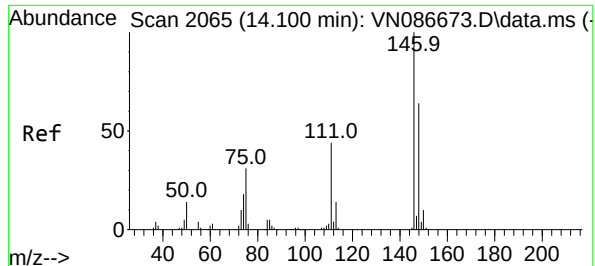
Delta R.T. -0.000 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Tgt Ion:	117	Resp:	13004
Ion	Ratio	Lower	Upper
117	100		
201	65.2	32.0	96.0





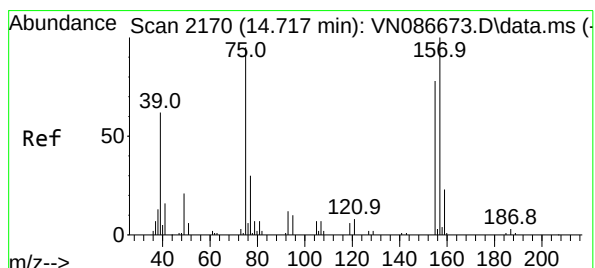
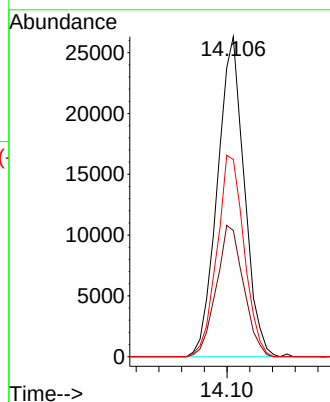
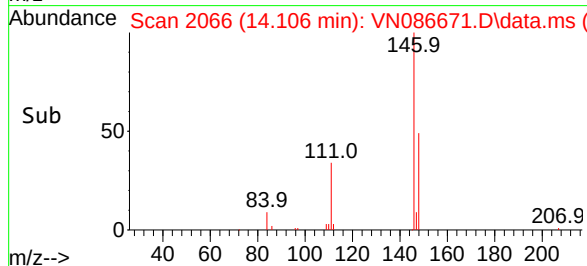
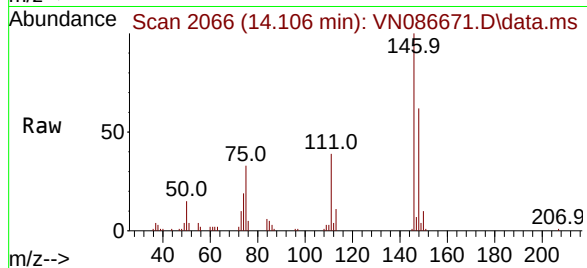
#91
1,2-Dichlorobenzene
Concen: 9.912 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion:146 Resp: 4323
Ion Ratio Lower Upper
146 100
111 41.7 21.6 65.0
148 63.6 31.7 95.1

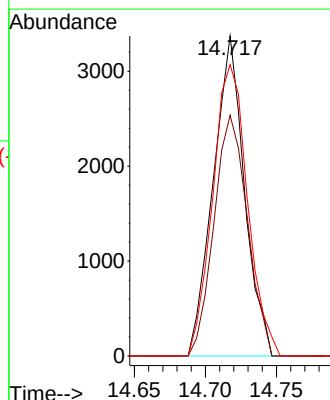
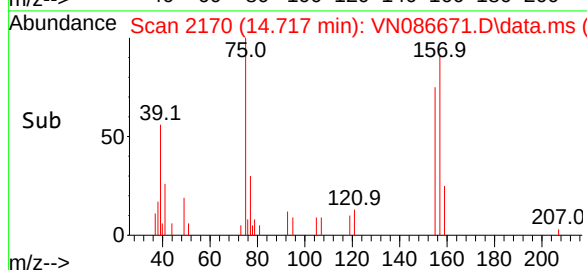
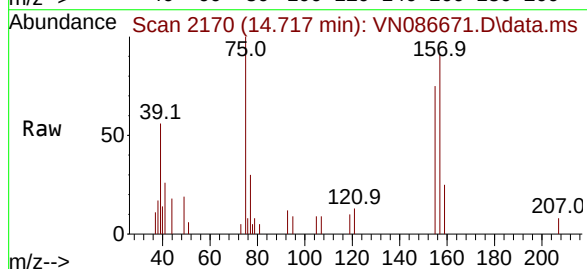
Manual Integrations
APPROVED

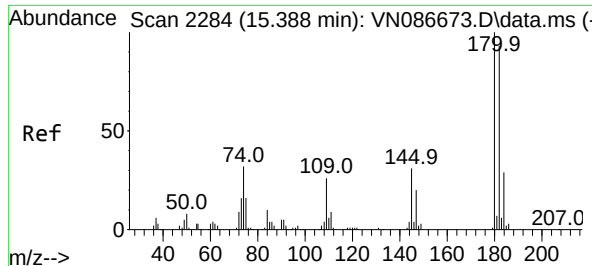
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 8.321 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Tgt Ion: 75 Resp: 5136
Ion Ratio Lower Upper
75 100
155 80.5 40.5 121.5
157 101.8 53.6 160.8





#93

1,2,4-Trichlorobenzene

Concen: 8.463 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion:180 Resp: 17399

Ion Ratio Lower Upper

180 100

182 92.8 47.1 141.3

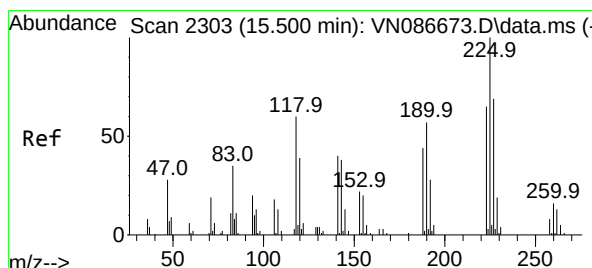
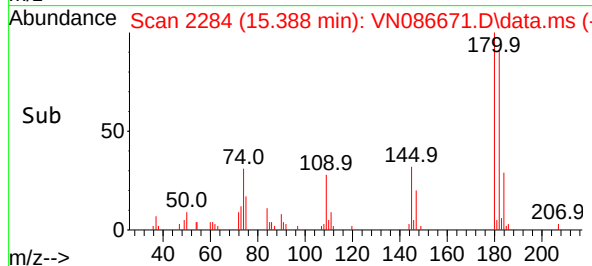
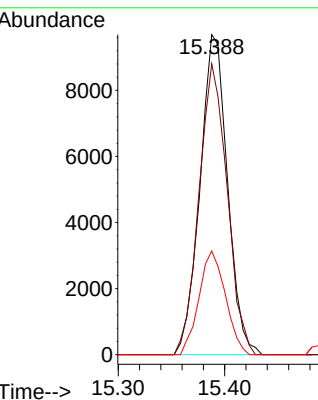
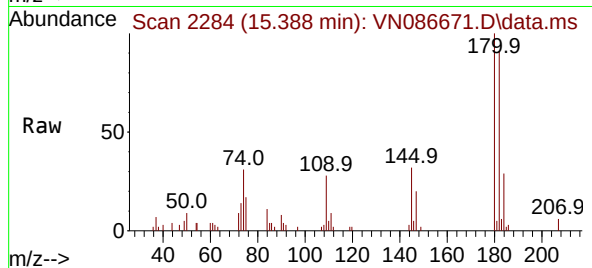
145 31.2 15.6 46.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#94

Hexachlorobutadiene

Concen: 8.850 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.006 min

Lab File: VN086671.D

Acq: 16 May 2025 17:19

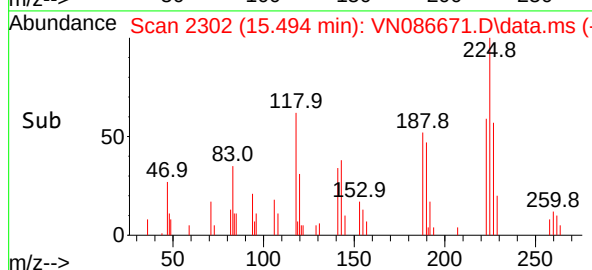
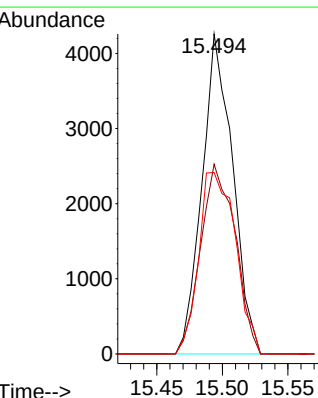
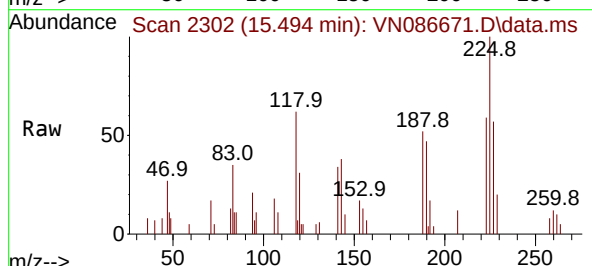
Tgt Ion:225 Resp: 6916

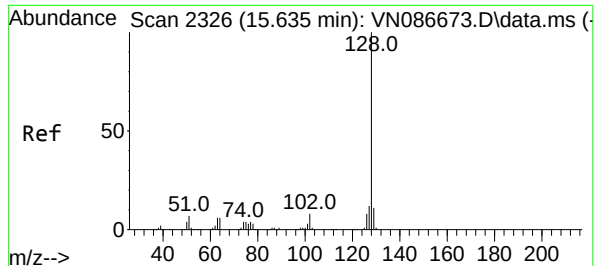
Ion Ratio Lower Upper

225 100

223 66.8 32.9 98.6

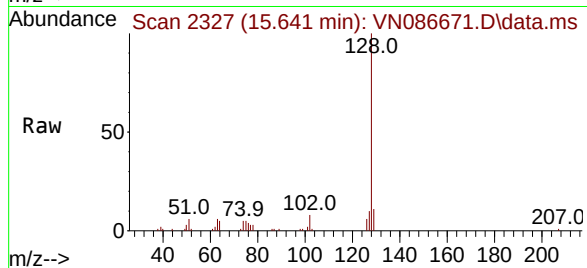
227 68.1 32.4 97.2





#95
Naphthalene
Concen: 8.080 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

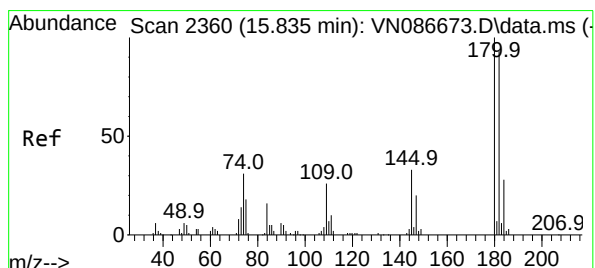
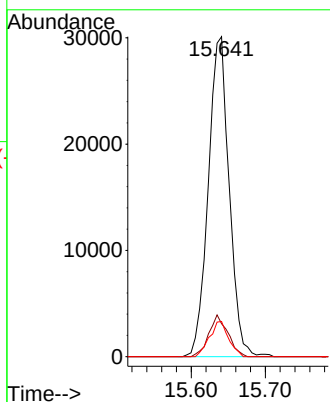
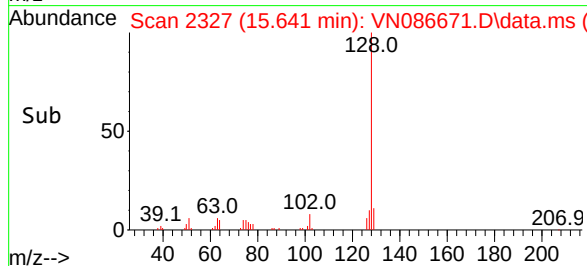
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion:128 Resp: 5896
Ion Ratio Lower Upper
128 100
127 11.9 10.1 15.1
129 10.0 8.6 13.0

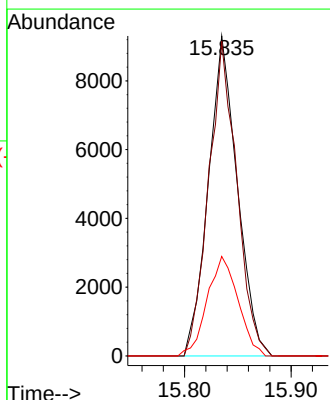
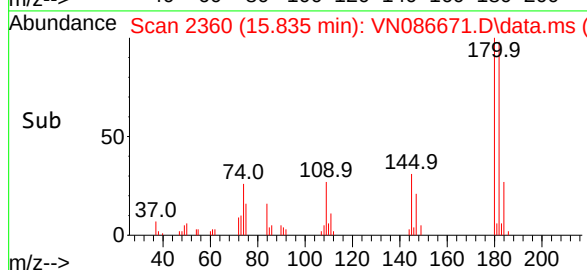
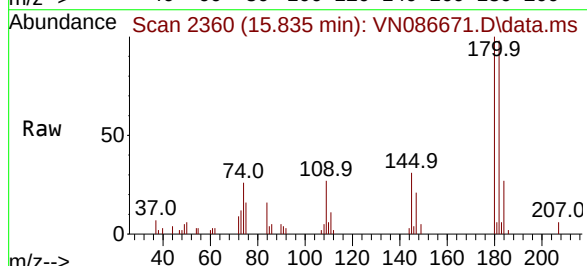
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 8.970 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086671.D
Acq: 16 May 2025 17:19

Tgt Ion:180 Resp: 17539
Ion Ratio Lower Upper
180 100
182 95.8 47.0 141.2
145 33.2 16.7 50.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
 Data File : VN086672.D
 Acq On : 16 May 2025 17:43
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Quant Time: May 17 00:15:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:09:38 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
 Supervised By :Mahesh Dadoda 05/19/2025

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	197408	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	359594	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	330521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	143784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	54239	19.085	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	38.160%#		
35) Dibromofluoromethane	8.165	113	41801	23.360	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	46.720%#		
50) Toluene-d8	10.565	98	177303	19.879	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.760%#		
62) 4-Bromofluorobenzene	12.847	95	62323	19.235	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.460%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	37640	16.047	ug/l	97
3) Chloromethane	2.359	50	60191	17.604	ug/l	97
4) Vinyl Chloride	2.512	62	56269	17.470	ug/l	98
5) Bromomethane	2.947	94	32779	21.896	ug/l	98
6) Chloroethane	3.118	64	38167	17.756	ug/l	95
7) Trichlorofluoromethane	3.495	101	70950	19.676	ug/l	96
8) Diethyl Ether	3.959	74	29534	18.929	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	42920	19.720	ug/l	99
10) Methyl Iodide	4.589	142	51783	21.291	ug/l	98
11) Tert butyl alcohol	5.512	59	49484	95.074	ug/l	100
12) 1,1-Dichloroethene	4.336	96	44017	18.962	ug/l	97
13) Acrolein	4.177	56	48522	136.813	ug/l	99
14) Allyl chloride	5.024	41	68204	16.792	ug/l	99
15) Acrylonitrile	5.718	53	131858	102.437	ug/l	99
16) Acetone	4.424	43	101424	89.021	ug/l	98
17) Carbon Disulfide	4.712	76	123380	17.760	ug/l	99
18) Methyl Acetate	5.024	43	53481	15.926	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	155717	18.369	ug/l	98
20) Methylene Chloride	5.271	84	53580	20.187	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	48109	19.791	ug/l	99
22) Diisopropyl ether	6.671	45	158492	17.885	ug/l	97
23) Vinyl Acetate	6.600	43	654499	104.479	ug/l	99
24) 1,1-Dichloroethane	6.565	63	90501	19.175	ug/l	99
25) 2-Butanone	7.482	43	163572	92.615	ug/l	100
26) 2,2-Dichloropropane	7.488	77	74939	17.911	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	59558	19.761	ug/l	99
28) Bromochloromethane	7.806	49	39958	19.800	ug/l	100
29) Tetrahydrofuran	7.835	42	110374	93.475	ug/l	99
30) Chloroform	7.965	83	92604	19.916	ug/l	97
31) Cyclohexane	8.253	56	80800	17.665	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	77893	19.565	ug/l	98
36) 1,1-Dichloropropene	8.371	75	64751	19.476	ug/l	100
37) Ethyl Acetate	7.559	43	65633	18.770	ug/l	99
38) Carbon Tetrachloride	8.359	117	66190	20.795	ug/l	99
39) Methylcyclohexane	9.600	83	71304	18.227	ug/l	99
40) Benzene	8.606	78	213460	20.002	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
 Data File : VN086672.D
 Acq On : 16 May 2025 17:43
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:15:03 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M

Quant Title : SW846 8260

QLast Update : Sat May 17 00:09:38 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	35706	17.809	ug/l	100
42) 1,2-Dichloroethane	8.665	62	67134	19.757	ug/l	100
43) Isopropyl Acetate	8.688	43	122489	14.669	ug/l	98
44) Trichloroethene	9.347	130	51930	20.468	ug/l	99
45) 1,2-Dichloropropane	9.618	63	52246	20.108	ug/l	98
46) Dibromomethane	9.706	93	35245	21.150	ug/l	99
47) Bromodichloromethane	9.882	83	71409	19.877	ug/l	98
48) Methyl methacrylate	9.676	41	53023	17.506	ug/l	98
49) 1,4-Dioxane	9.694	88	21528	401.824	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	343562	96.661	ug/l	99
52) Toluene	10.629	92	137539	20.659	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	76705	19.291	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	82783	18.925	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	49729	20.709	ug/l	98
56) Ethyl methacrylate	10.871	69	82716	18.880	ug/l	97
57) 1,3-Dichloropropane	11.159	76	87454	20.572	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	179575	87.281	ug/l	99
59) 2-Hexanone	11.194	43	257013	97.403	ug/l	99
60) Dibromochloromethane	11.359	129	53776	20.466	ug/l	98
61) 1,2-Dibromoethane	11.465	107	50846	20.921	ug/l	98
64) Tetrachloroethene	11.100	164	51785	20.381	ug/l	96
65) Chlorobenzene	11.888	112	150439	20.366	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	48349	19.851	ug/l	99
67) Ethyl Benzene	11.959	91	260721	19.673	ug/l	100
68) m/p-Xylenes	12.065	106	201601	40.507	ug/l	100
69) o-Xylene	12.394	106	100301	20.298	ug/l	97
70) Styrene	12.406	104	166436	20.301	ug/l	99
71) Bromoform	12.576	173	35068	19.141	ug/l #	97
73) Isopropylbenzene	12.694	105	238751	20.455	ug/l	99
74) N-amyl acetate	12.494	43	100018	17.465	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	72469	21.374	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	70466m	20.815	ug/l	
77) Bromobenzene	12.976	156	57601	22.016	ug/l	99
78) n-propylbenzene	13.035	91	274906	20.038	ug/l	100
79) 2-Chlorotoluene	13.123	91	175756	20.369	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	191549	20.048	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	29065	20.670	ug/l	95
82) 4-Chlorotoluene	13.217	91	176501	20.664	ug/l	98
83) tert-Butylbenzene	13.435	119	168468	20.324	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	192028	19.778	ug/l	98
85) sec-Butylbenzene	13.612	105	223581	19.574	ug/l	99
86) p-Isopropyltoluene	13.723	119	183908	19.537	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	99754	20.377	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	100717	20.473	ug/l	99
89) n-Butylbenzene	14.053	91	151273	18.306	ug/l	98
90) Hexachloroethane	14.329	117	30231	19.092	ug/l	99
91) 1,2-Dichlorobenzene	14.100	146	95188	20.058	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11492	17.115	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	41411	18.515	ug/l	98
94) Hexachlorobutadiene	15.494	225	16213	19.071	ug/l	99
95) Naphthalene	15.635	128	139495	17.571	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	38790	18.236	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086672.D
Acq On : 16 May 2025 17:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:15:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration

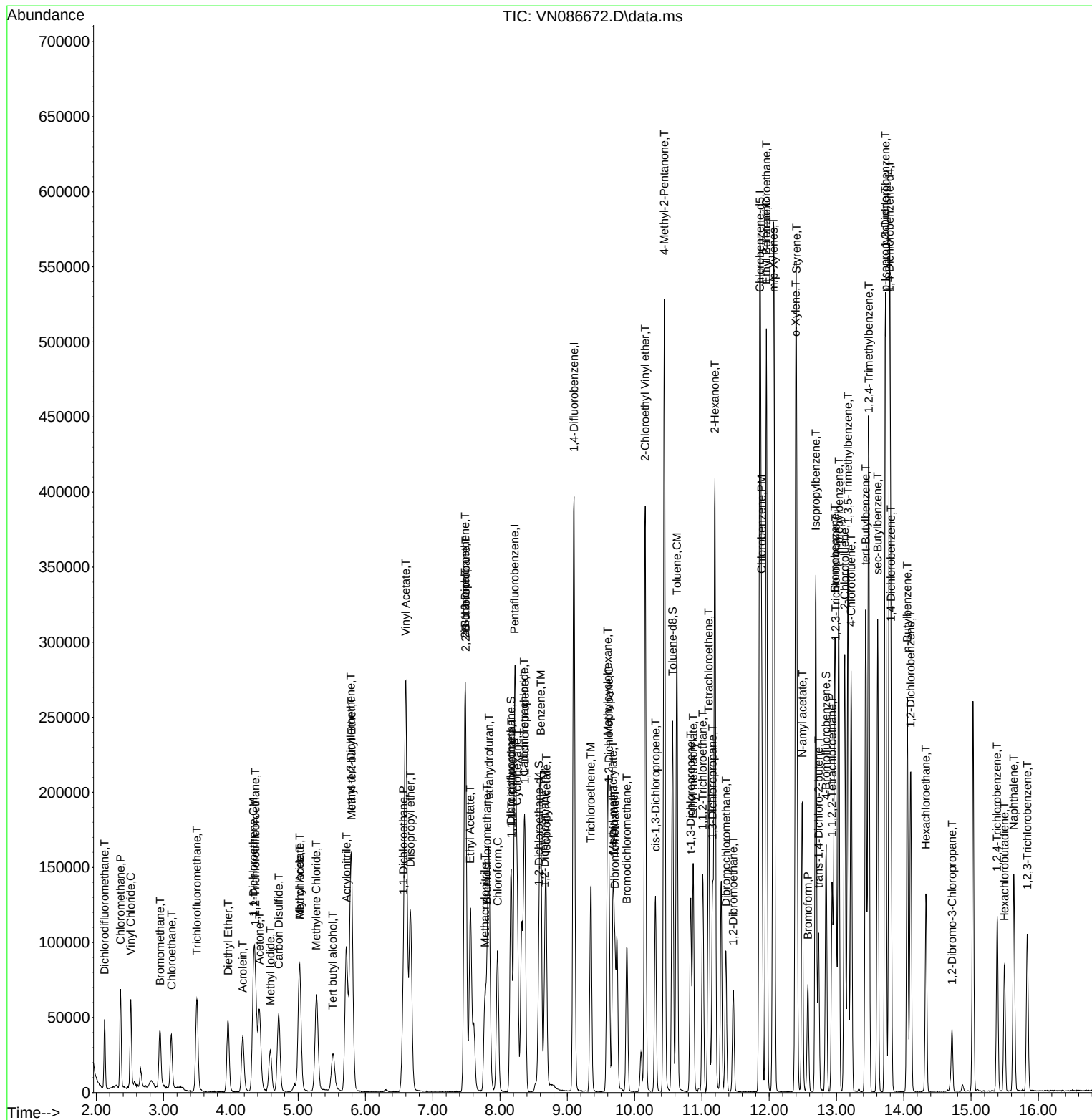
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

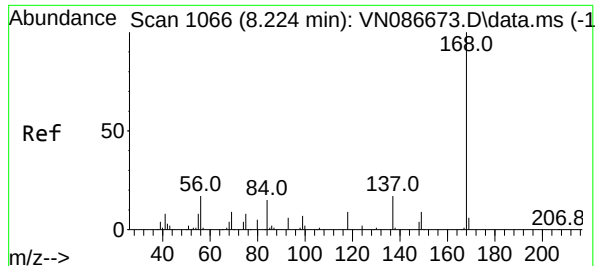
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations

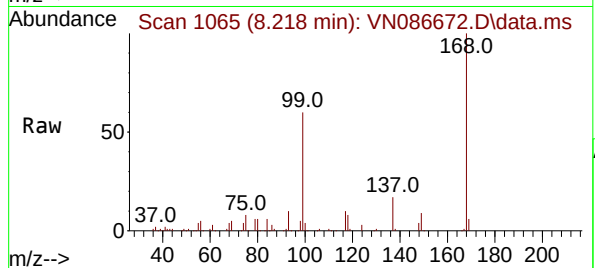
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

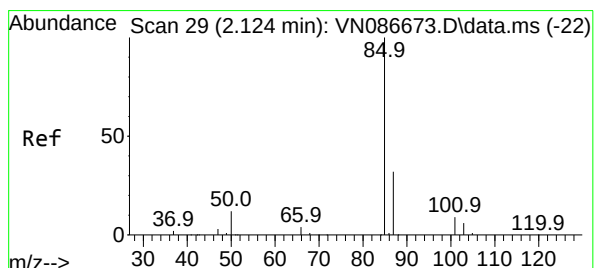
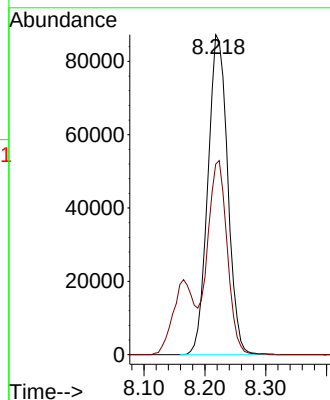
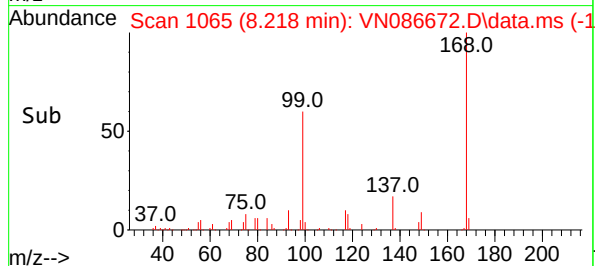
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion:168 Resp: 197408
Ion Ratio Lower Upper
168 100
99 59.6 47.0 70.4

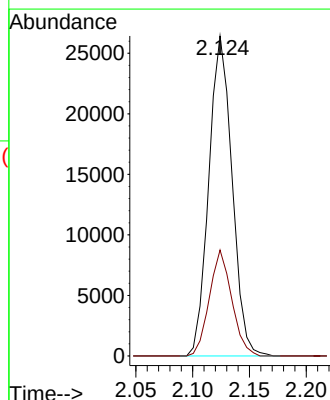
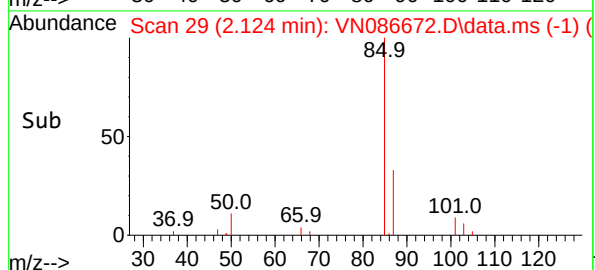
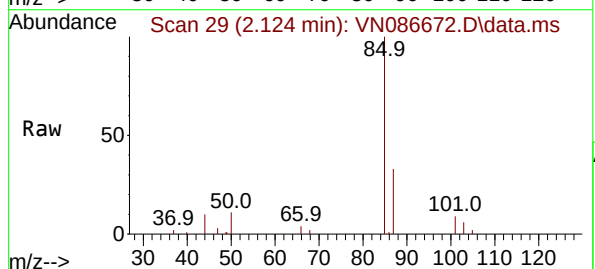
Manual Integrations
APPROVED

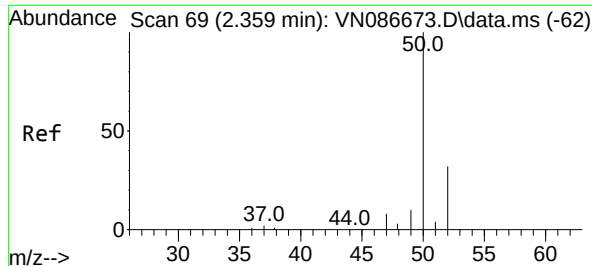
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#2
Dichlorodifluoromethane
Concen: 16.047 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Tgt Ion: 85 Resp: 37640
Ion Ratio Lower Upper
85 100
87 33.1 15.9 47.6





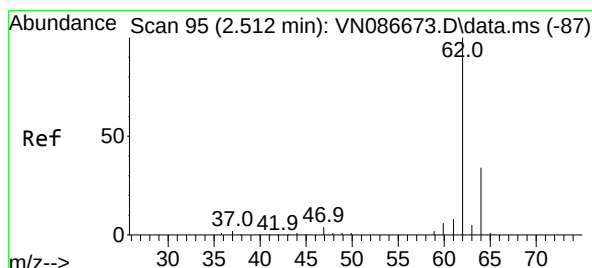
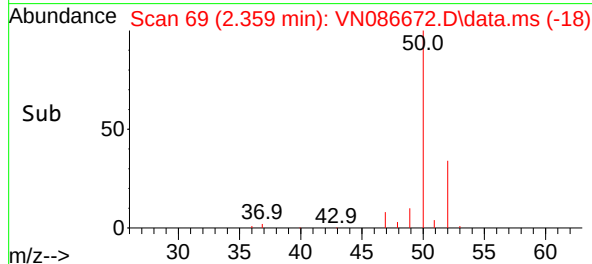
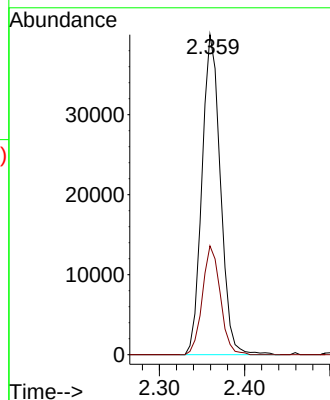
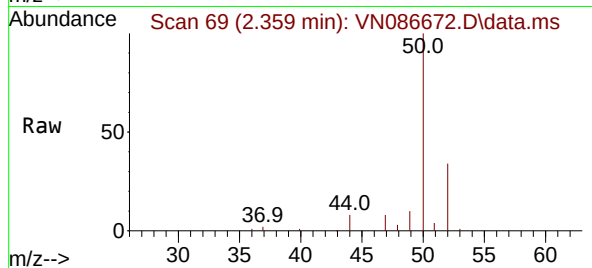
#3
Chloromethane
Concen: 17.604 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 6019
Ion Ratio Lower Upper
50 100
52 34.0 25.9 38.9

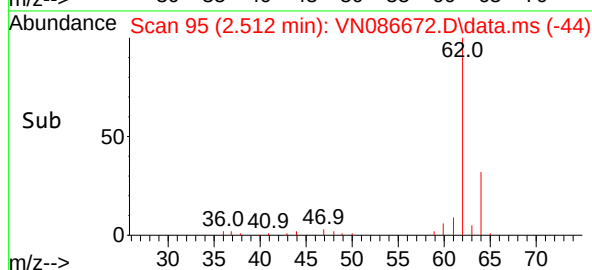
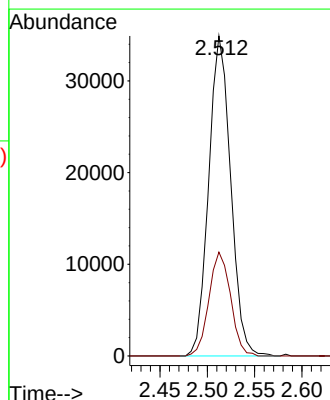
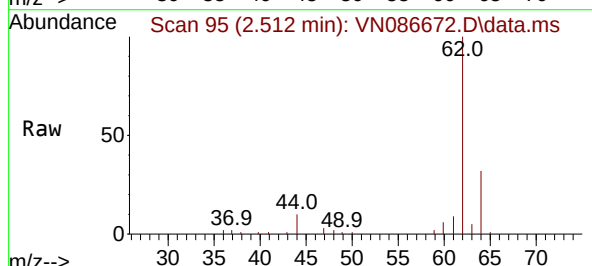
Manual Integrations
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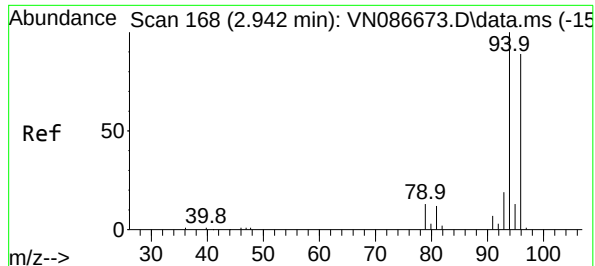
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#4
Vinyl Chloride
Concen: 17.470 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

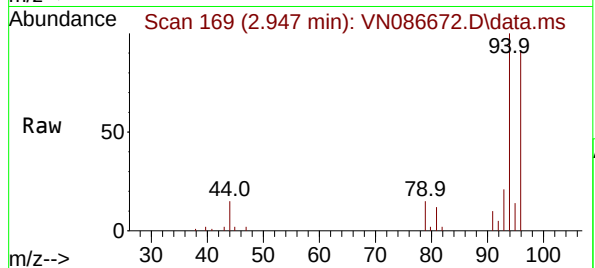
Tgt Ion: 62 Resp: 56269
Ion Ratio Lower Upper
62 100
64 32.5 26.9 40.3





#5
Bromomethane
Concen: 21.896 ug/l
RT: 2.947 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

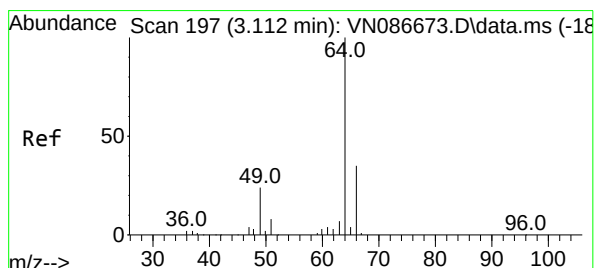
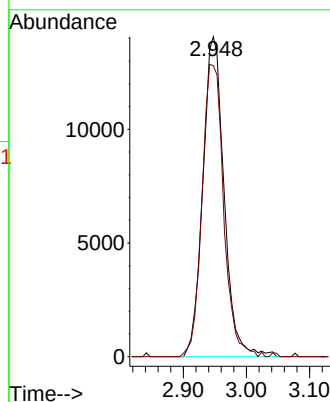
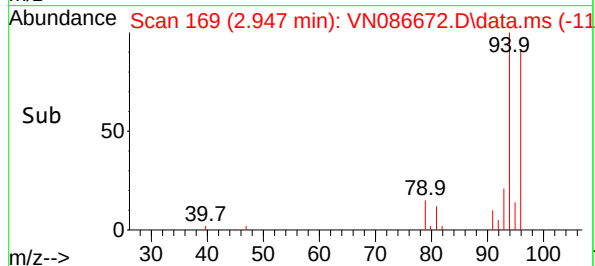
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion: 94 Resp: 32779
Ion Ratio Lower Upper
94 100
96 90.9 71.2 106.8

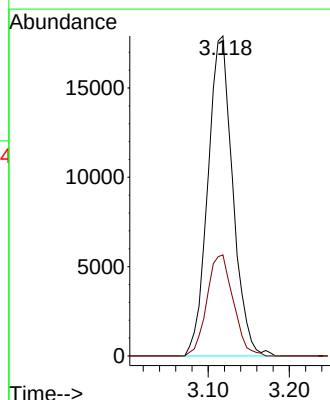
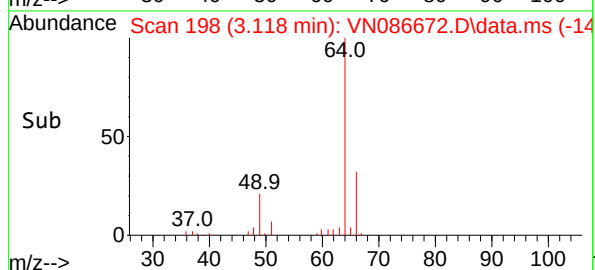
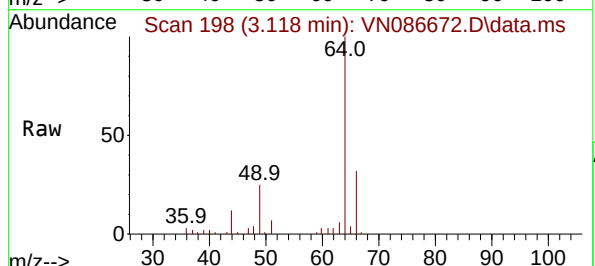
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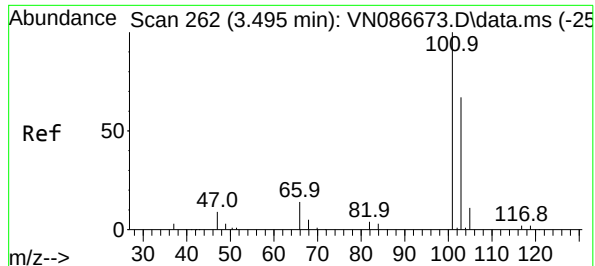
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#6
Chloroethane
Concen: 17.756 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

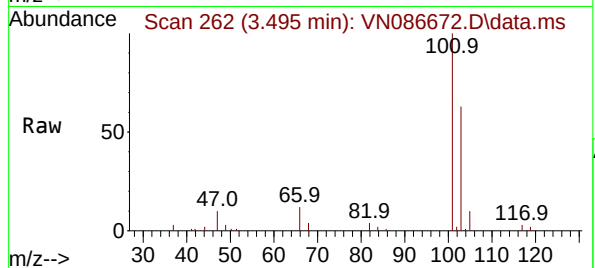
Tgt Ion: 64 Resp: 38167
Ion Ratio Lower Upper
64 100
66 31.6 27.7 41.5





#7
Trichlorofluoromethane
Concen: 19.676 ug/l
RT: 3.495 min Scan# 262
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

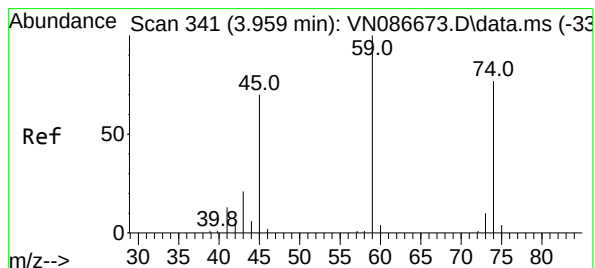
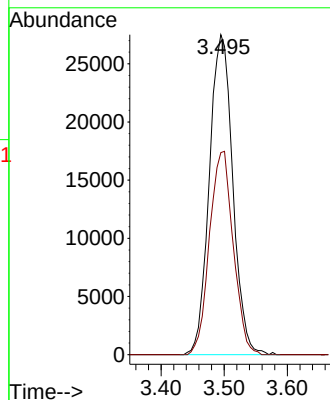
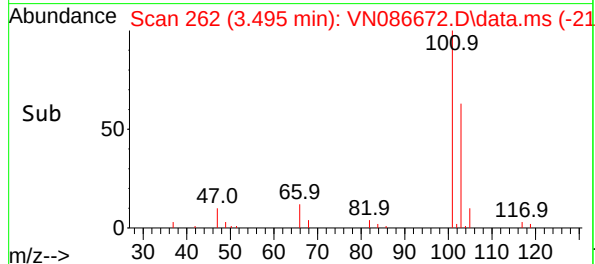
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion:101 Resp: 70950
Ion Ratio Lower Upper
101 100
103 63.2 53.4 80.0

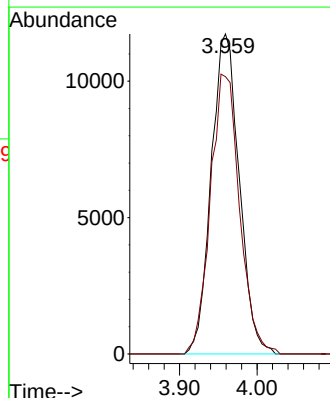
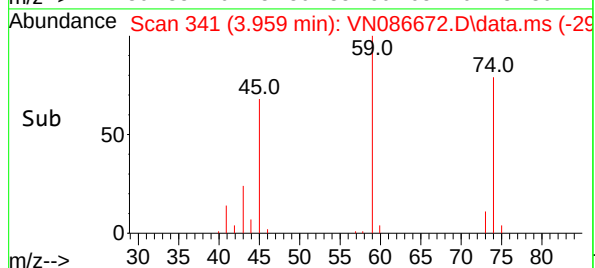
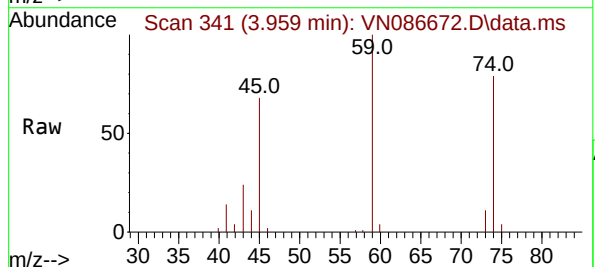
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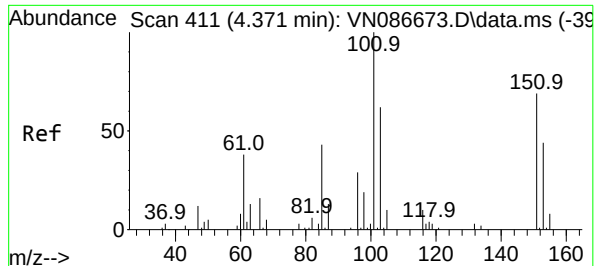
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#8
Diethyl Ether
Concen: 18.929 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Tgt Ion: 74 Resp: 29534
Ion Ratio Lower Upper
74 100
45 90.9 45.0 135.0





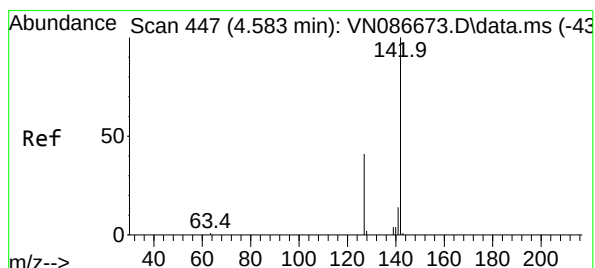
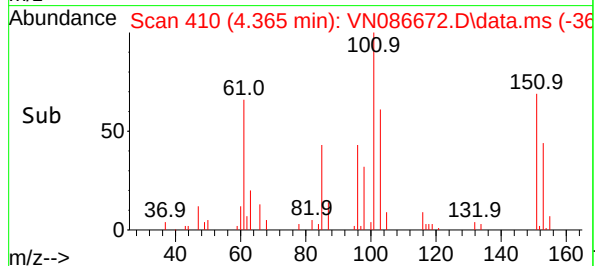
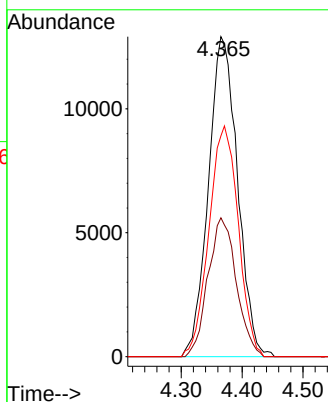
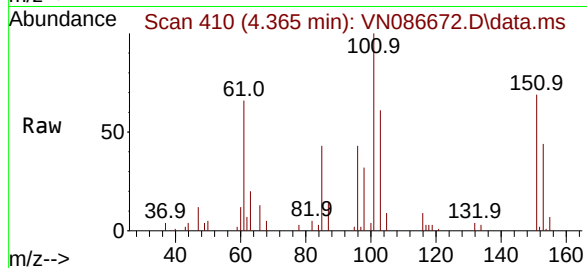
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.720 ug/l
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:101 Resp: 42920
Ion Ratio Lower Upper
101 100
85 42.2 35.0 52.6
151 72.5 58.1 87.1

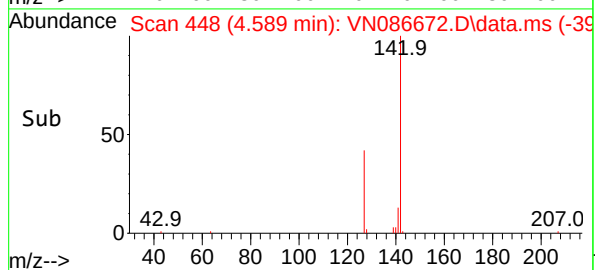
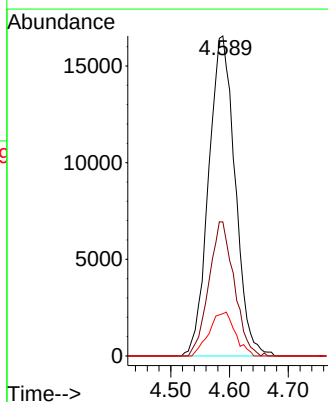
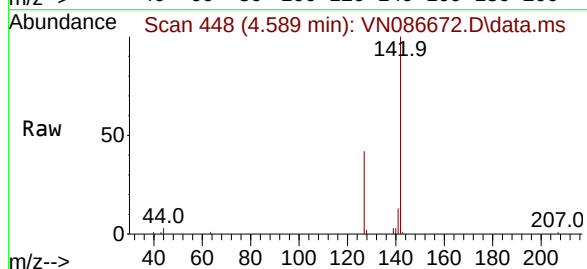
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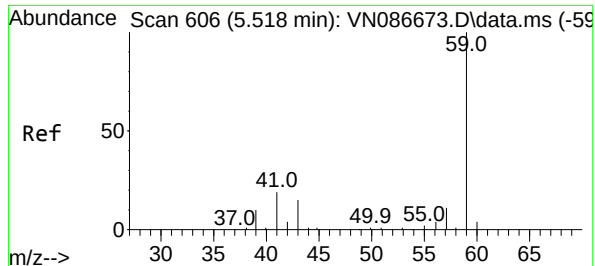
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#10
Methyl Iodide
Concen: 21.291 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Tgt Ion:142 Resp: 51783
Ion Ratio Lower Upper
142 100
127 41.9 32.4 48.6
141 13.2 11.4 17.2





#11

Tert butyl alcohol

Concen: 95.074 ug/l

RT: 5.512 min Scan# 606

Delta R.T. -0.006 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 59 Resp: 4948

Ion Ratio Lower Upper

59 100

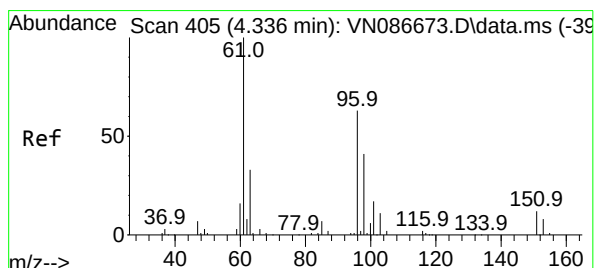
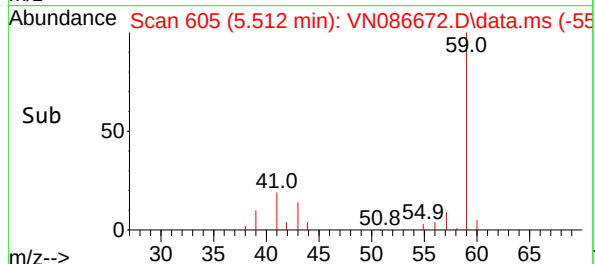
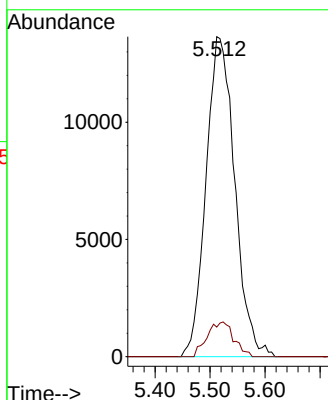
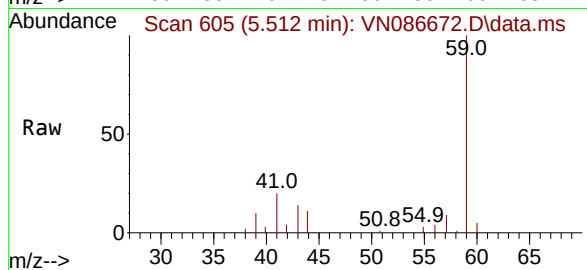
57 10.1 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#12

1,1-Dichloroethene

Concen: 18.962 ug/l

RT: 4.336 min Scan# 405

Delta R.T. -0.000 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

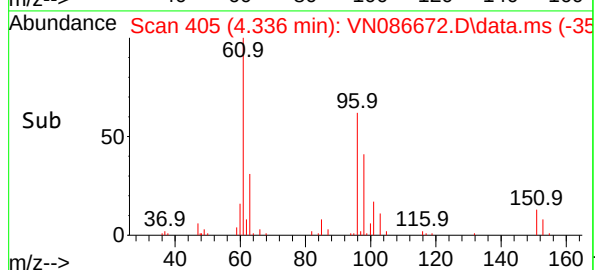
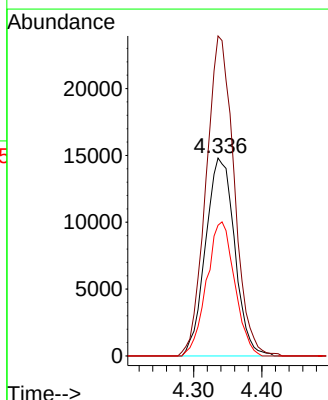
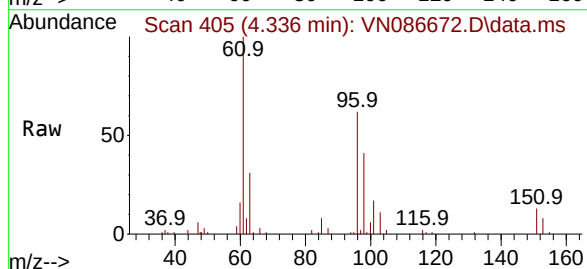
Tgt Ion: 96 Resp: 44017

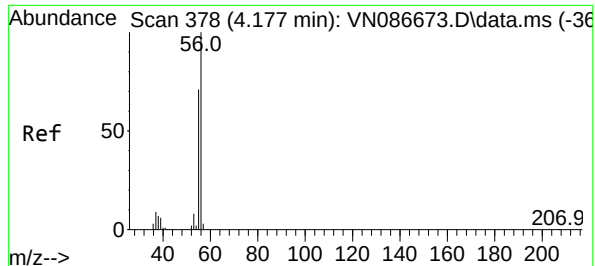
Ion Ratio Lower Upper

96 100

61 161.7 126.2 189.2

98 66.0 51.5 77.3





#13

Acrolein

Concen: 136.813 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 4852

Ion Ratio Lower Upper

56 100

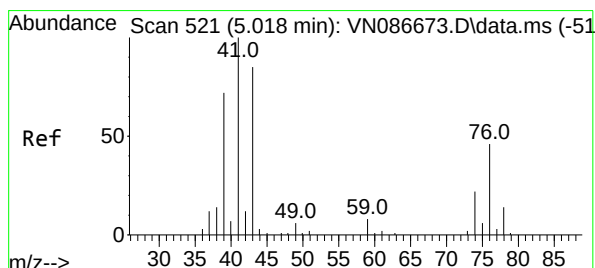
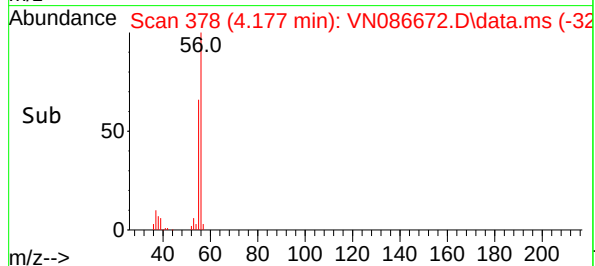
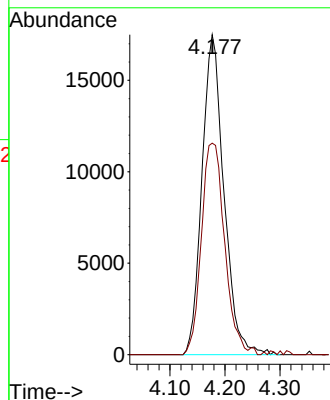
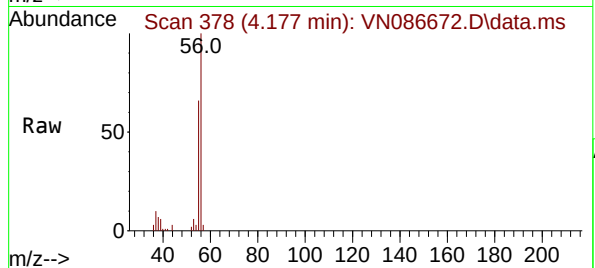
55 70.2 55.7 83.5

Manual Integrations

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Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#14

Allyl chloride

Concen: 16.792 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

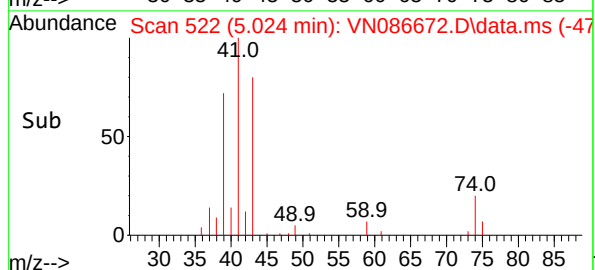
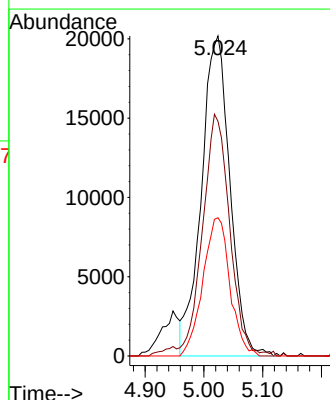
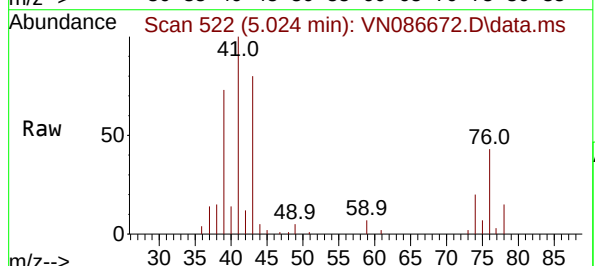
Tgt Ion: 41 Resp: 68204

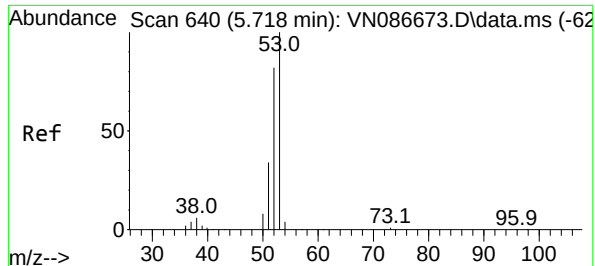
Ion Ratio Lower Upper

41 100

39 73.1 57.4 86.0

76 40.8 33.2 49.8





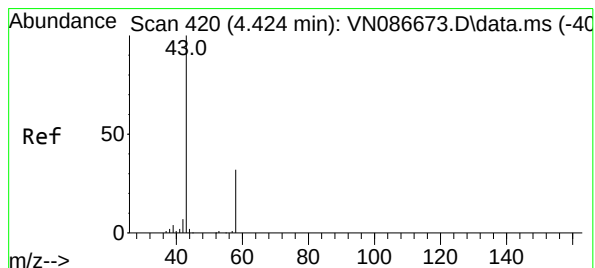
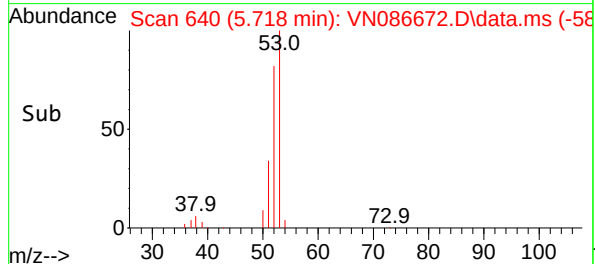
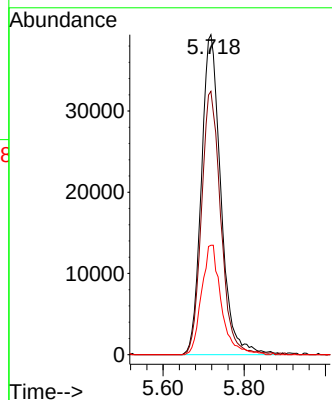
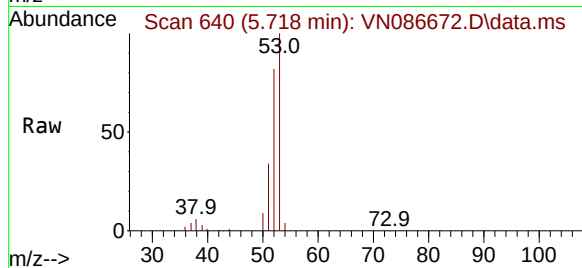
#15
Acrylonitrile
Concen: 102.437 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 131858
Ion Ratio Lower Upper
53 100
52 81.3 65.4 98.2
51 34.6 27.9 41.9

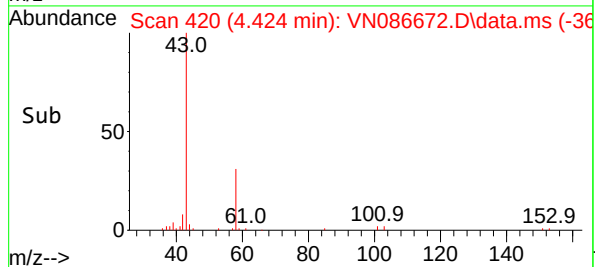
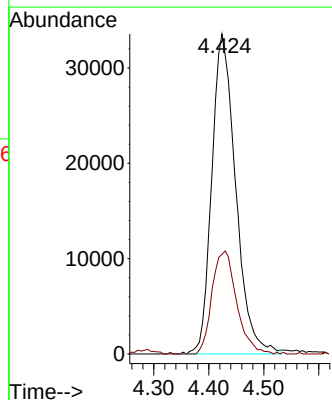
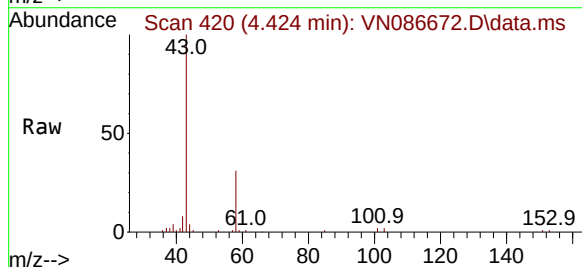
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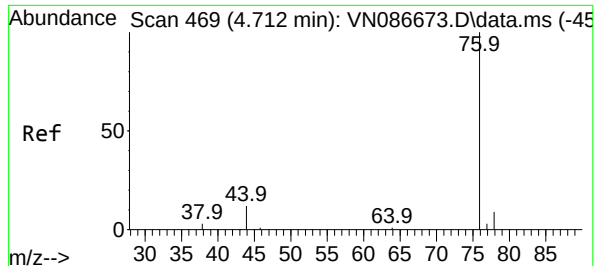
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#16
Acetone
Concen: 89.021 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Tgt Ion: 43 Resp: 101424
Ion Ratio Lower Upper
43 100
58 31.1 25.8 38.6





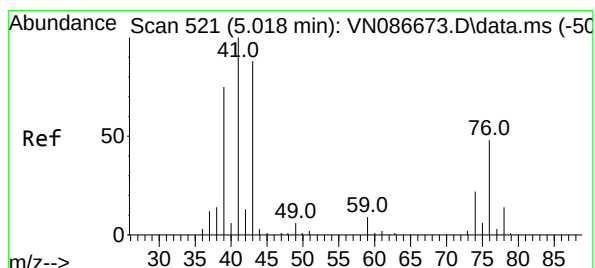
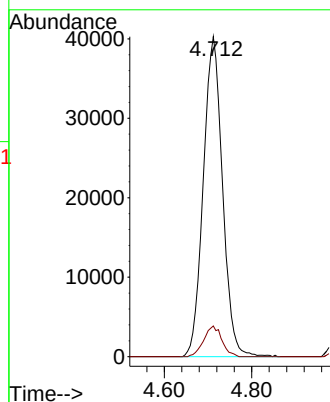
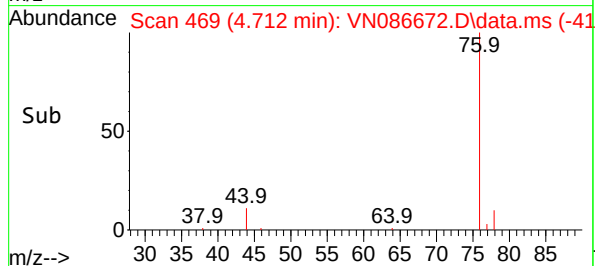
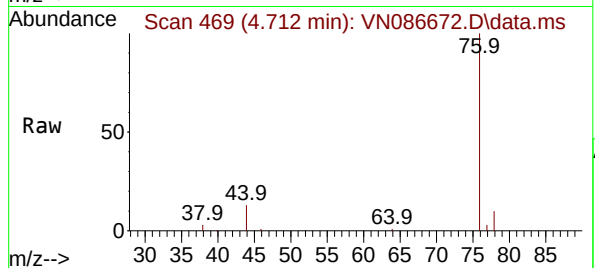
#17
Carbon Disulfide
Concen: 17.760 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 123380
Ion Ratio Lower Upper
76 100
78 9.6 7.3 10.9

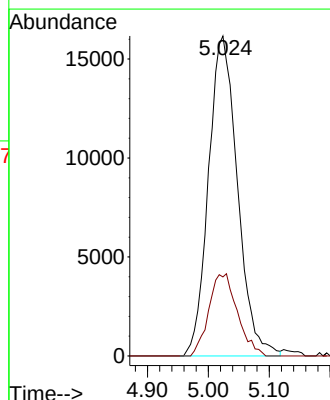
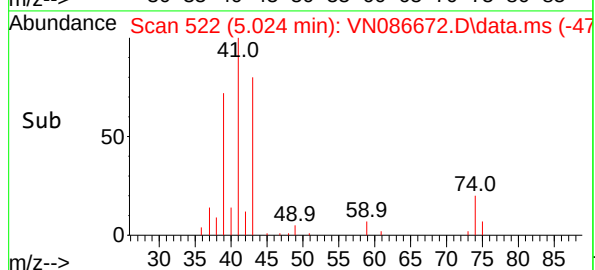
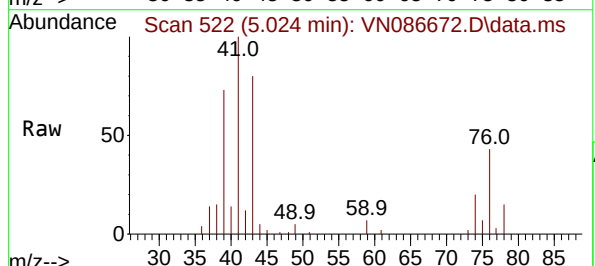
Manual Integrations
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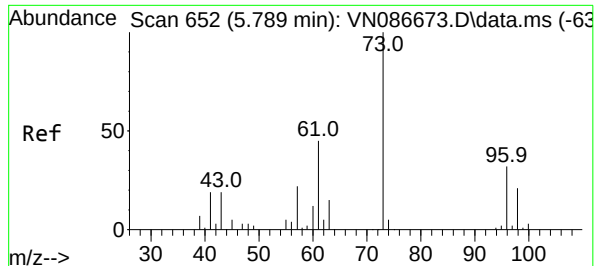
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#18
Methyl Acetate
Concen: 15.926 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Tgt Ion: 43 Resp: 53481
Ion Ratio Lower Upper
43 100
74 25.3 20.5 30.7





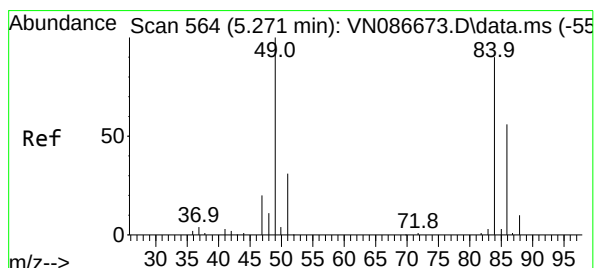
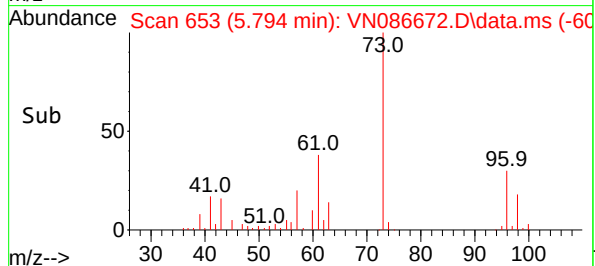
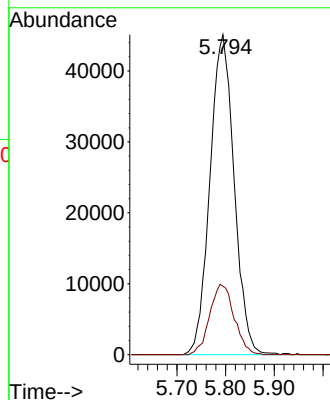
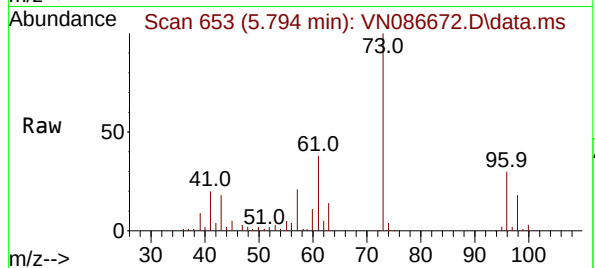
#19
Methyl tert-butyl Ether
Concen: 18.369 ug/l
RT: 5.794 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 73 Resp: 15571
Ion Ratio Lower Upper
73 100
57 21.4 17.7 26.5

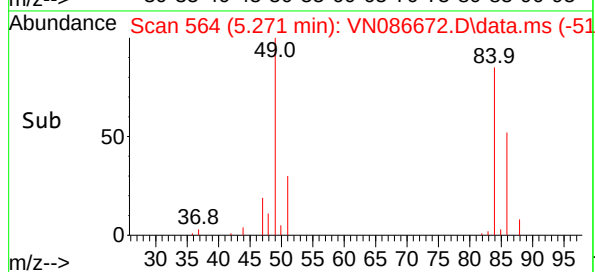
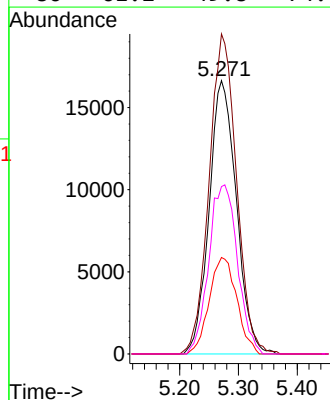
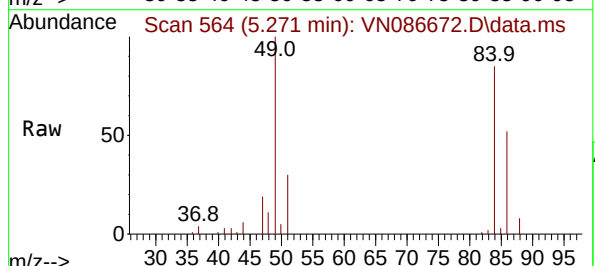
Manual Integrations
APPROVED

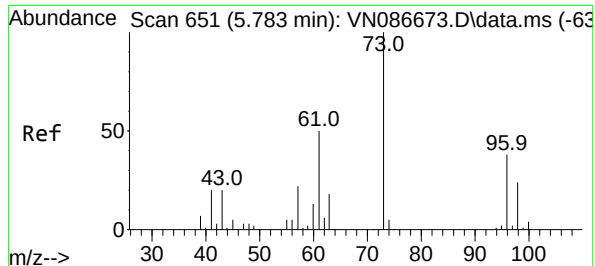
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#20
Methylene Chloride
Concen: 20.187 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Tgt Ion: 84 Resp: 53580
Ion Ratio Lower Upper
84 100
49 117.1 88.8 133.2
51 35.3 27.8 41.6
86 61.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 19.791 ug/l

RT: 5.783 min Scan# 651

Delta R.T. -0.000 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 48109

Ion Ratio Lower Upper

96 100

61 131.2 105.7 158.5

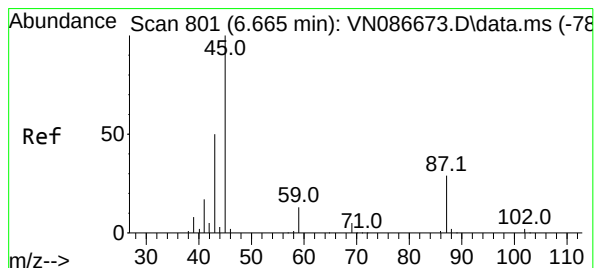
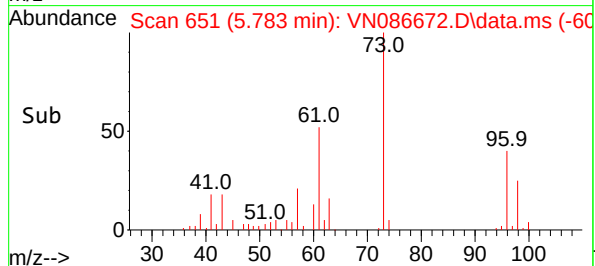
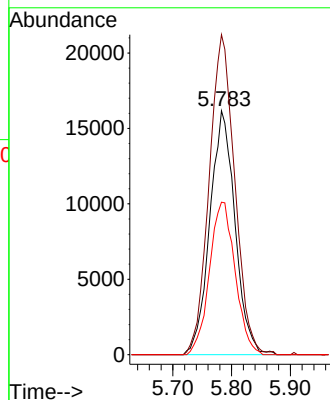
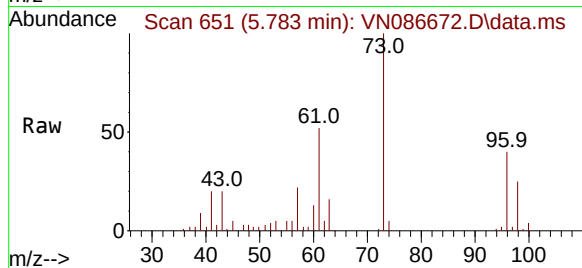
98 62.5 51.0 76.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#22

Diisopropyl ether

Concen: 17.885 ug/l

RT: 6.671 min Scan# 802

Delta R.T. 0.006 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

Tgt Ion: 45 Resp: 158492

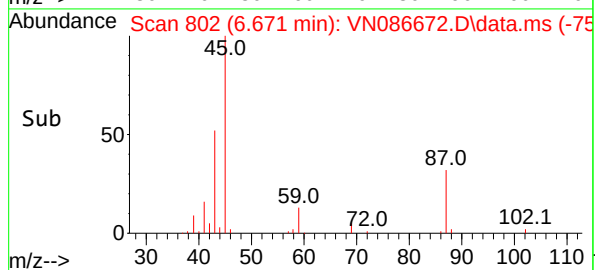
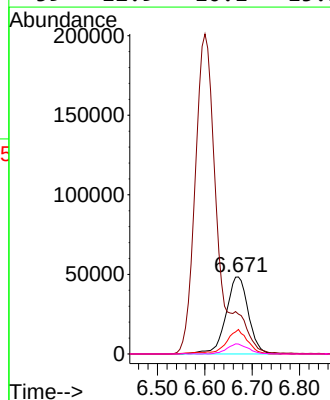
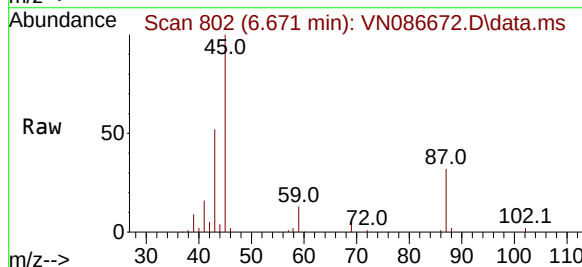
Ion Ratio Lower Upper

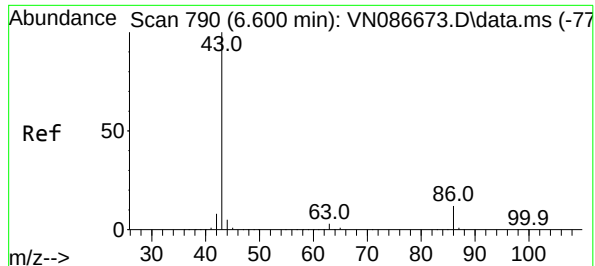
45 100

43 50.7 41.4 62.2

87 31.8 22.9 34.3

59 12.9 10.1 15.1





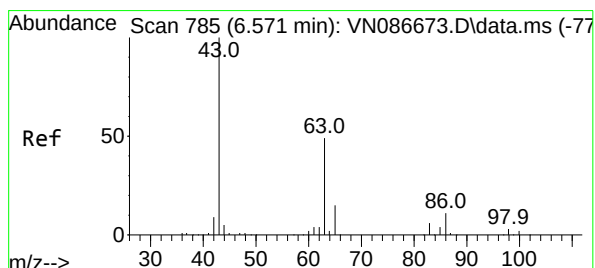
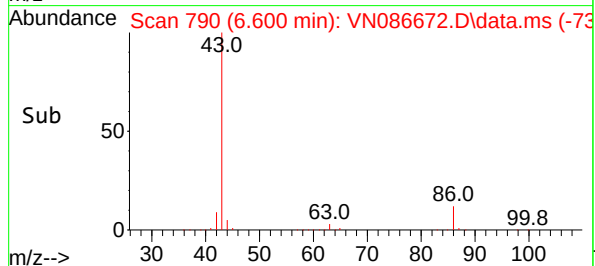
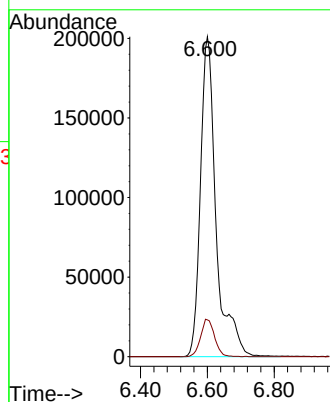
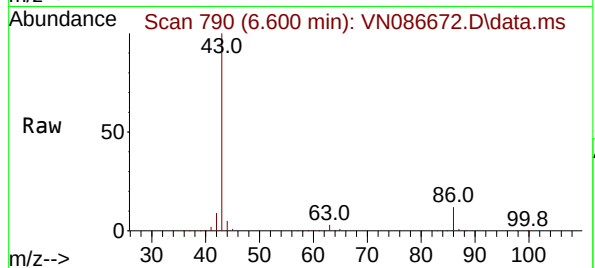
#23
Vinyl Acetate
Concen: 104.479 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 654499
Ion Ratio Lower Upper
43 100
86 11.5 9.5 14.3

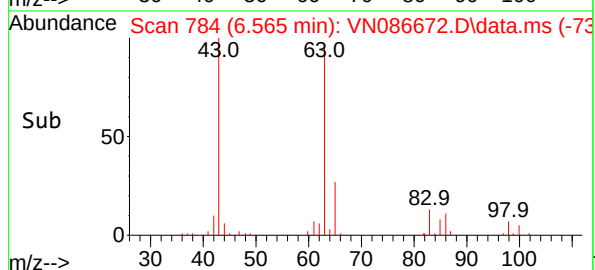
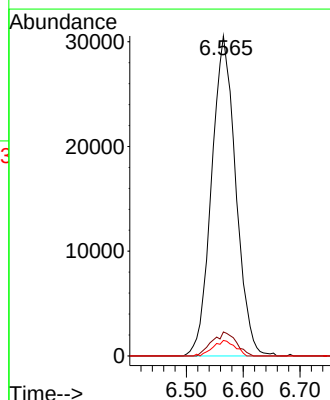
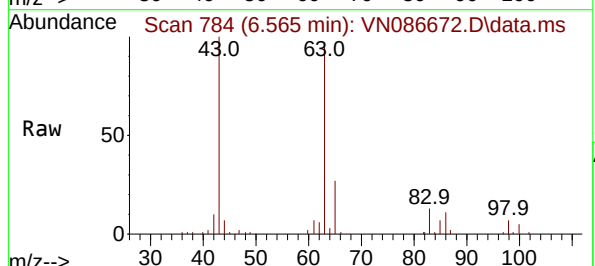
Manual Integrations
APPROVED

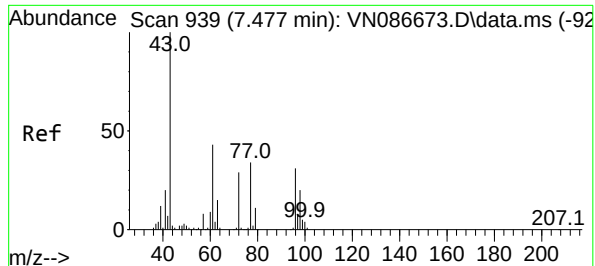
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#24
1,1-Dichloroethane
Concen: 19.175 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

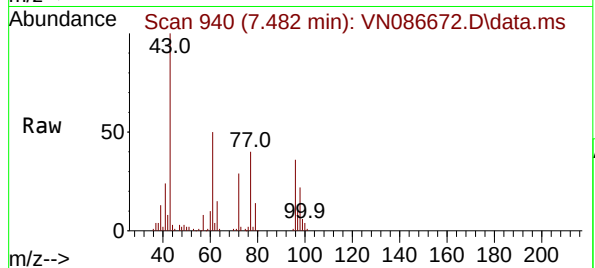
Tgt Ion: 63 Resp: 90501
Ion Ratio Lower Upper
63 100
98 7.5 3.4 10.2
100 4.9 2.4 7.1





#25
2-Butanone
Concen: 92.615 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

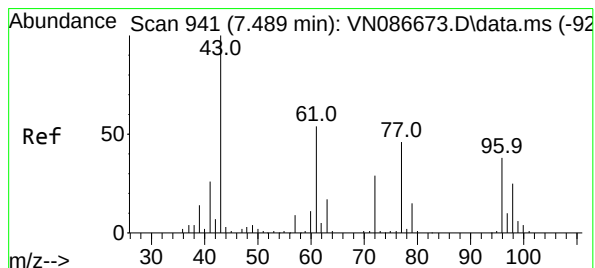
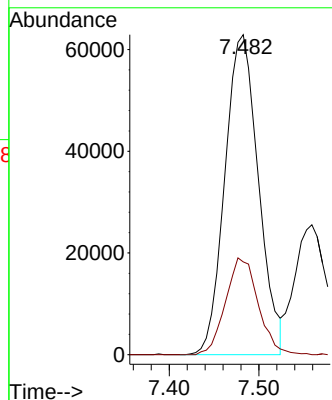
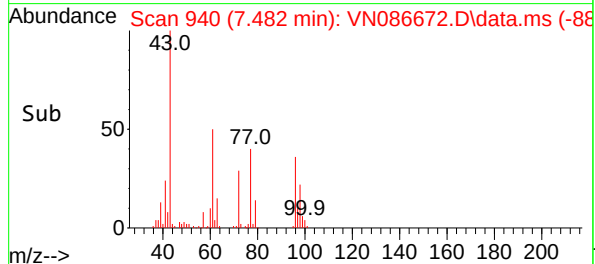
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 43 Resp: 163572
Ion Ratio Lower Upper
43 100
72 29.0 23.1 34.7

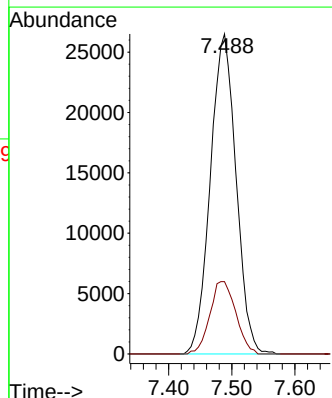
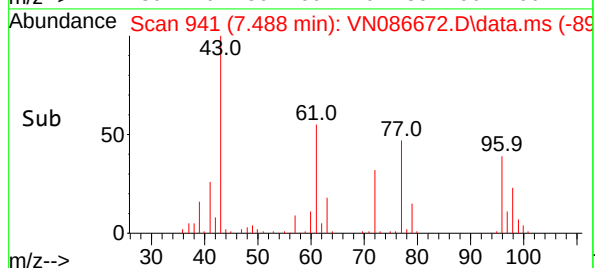
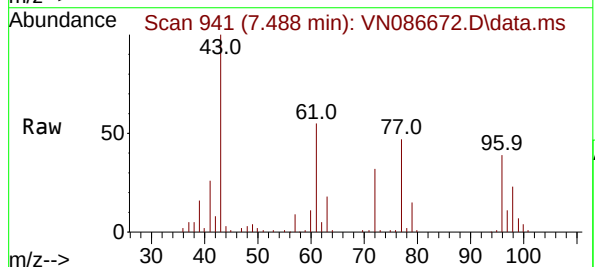
Manual Integrations
APPROVED

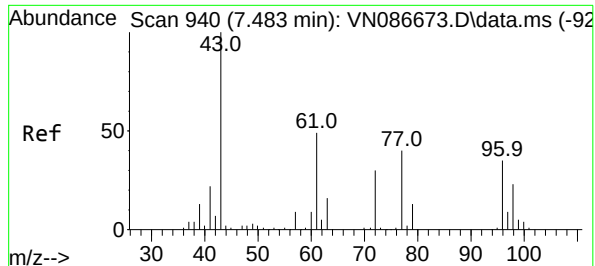
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#26
2,2-Dichloropropane
Concen: 17.911 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Tgt Ion: 77 Resp: 74939
Ion Ratio Lower Upper
77 100
97 22.8 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 19.761 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 59558

Ion Ratio Lower Upper

96 100

61 137.8 0.0 277.4

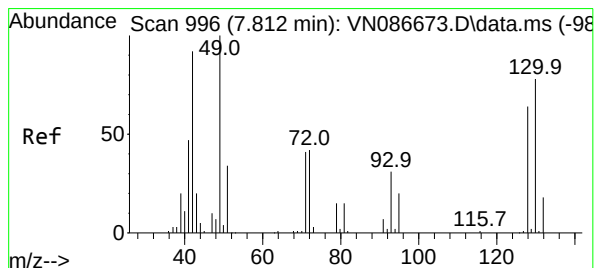
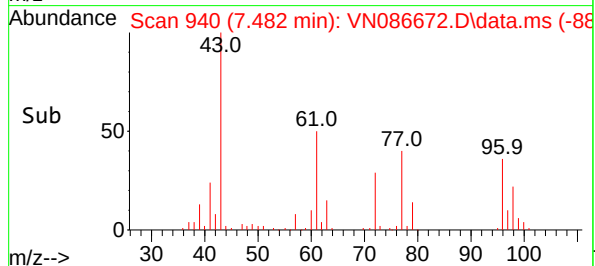
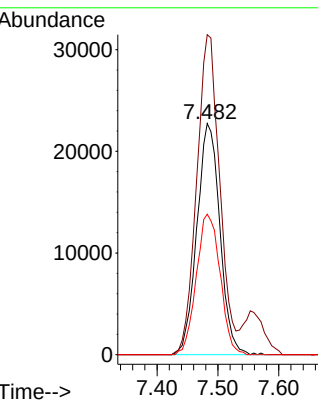
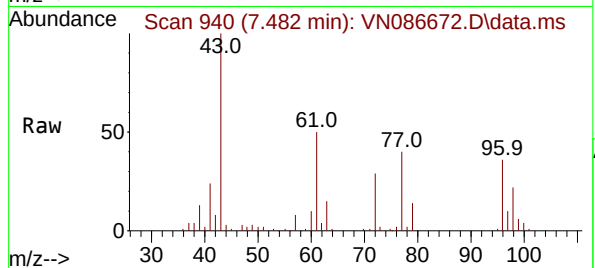
98 62.8 0.0 129.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#28

Bromochloromethane

Concen: 19.800 ug/l

RT: 7.806 min Scan# 995

Delta R.T. -0.006 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

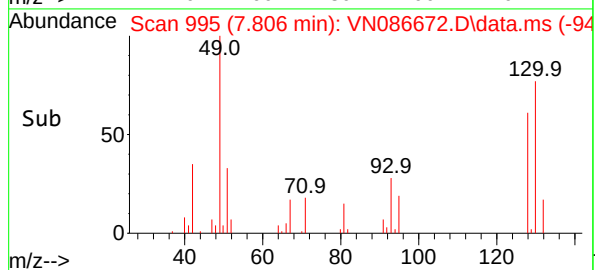
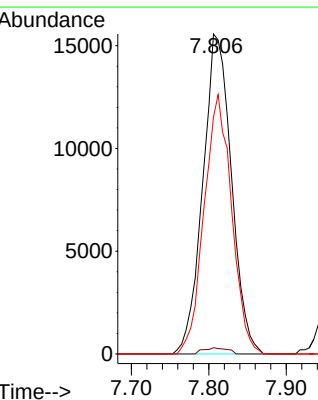
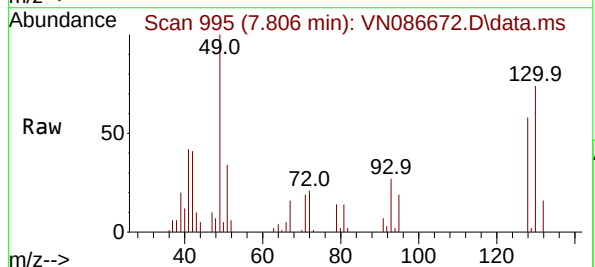
Tgt Ion: 49 Resp: 39958

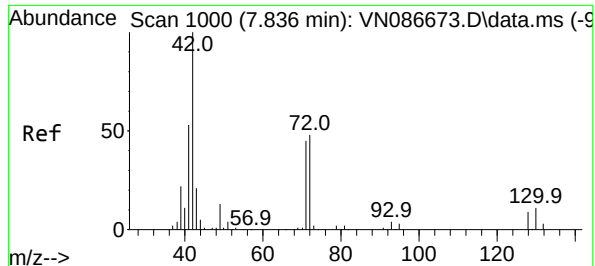
Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.8

130 77.9 62.2 93.4





#29

Tetrahydrofuran

Concen: 93.475 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 42 Resp: 110374

Ion Ratio Lower Upper

42 100

72 47.6 38.7 58.1

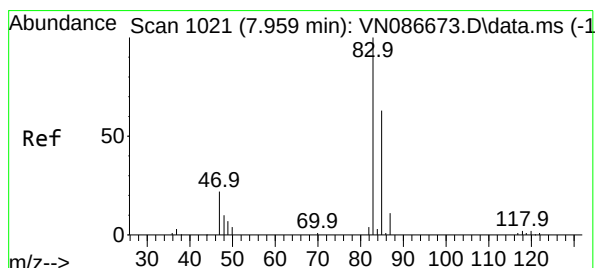
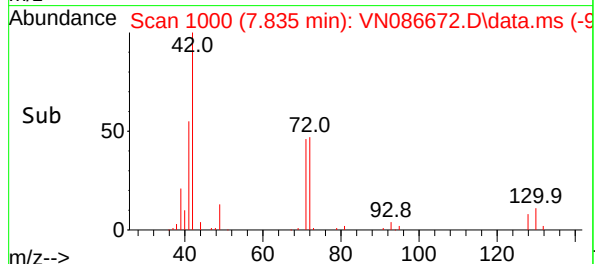
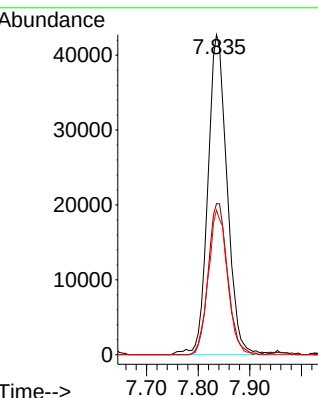
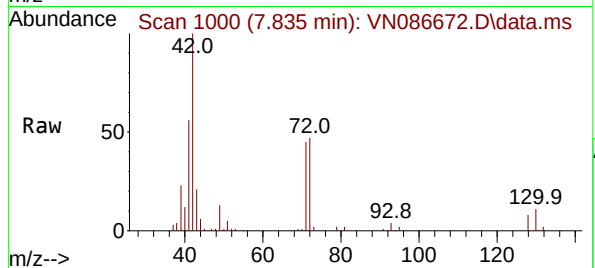
71 44.9 36.2 54.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#30

Chloroform

Concen: 19.916 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN086672.D

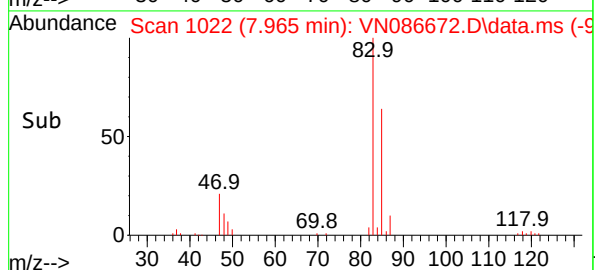
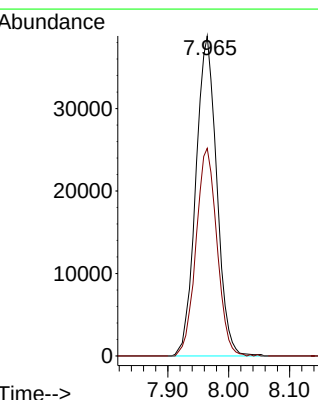
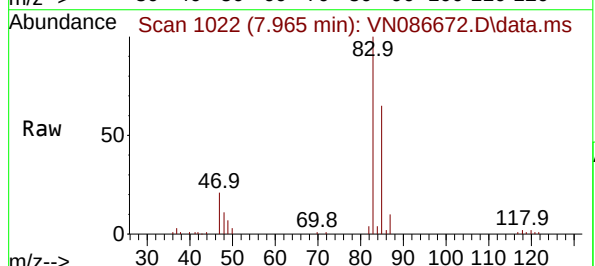
Acq: 16 May 2025 17:43

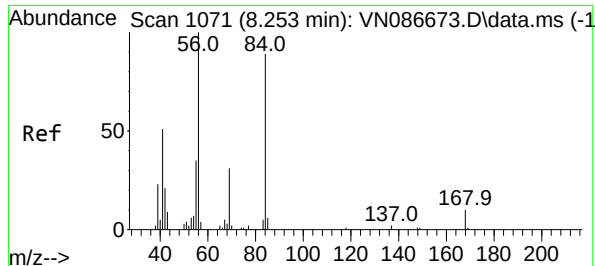
Tgt Ion: 83 Resp: 92604

Ion Ratio Lower Upper

83 100

85 64.9 50.2 75.4





#31

Cyclohexane

Concen: 17.665 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 80800

Ion Ratio Lower Upper

56 100

69 32.4 25.0 37.6

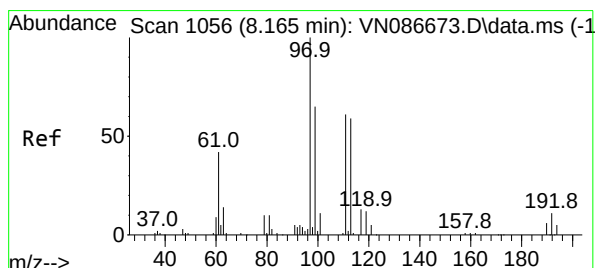
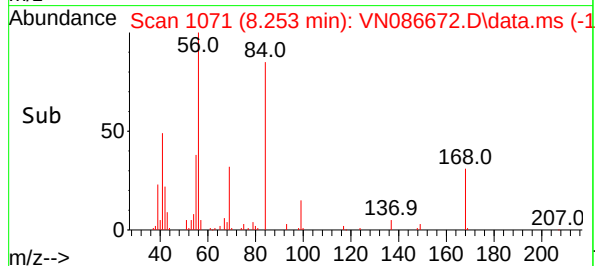
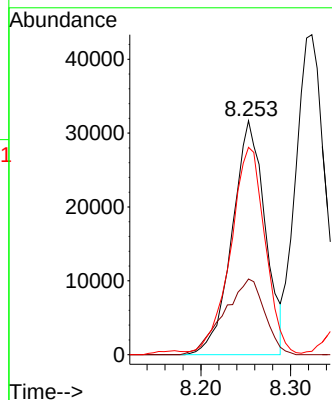
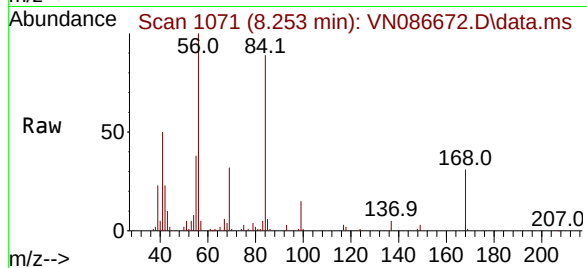
84 87.3 71.0 106.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#32

1,1,1-Trichloroethane

Concen: 19.565 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

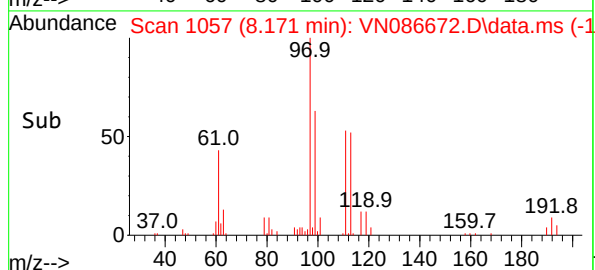
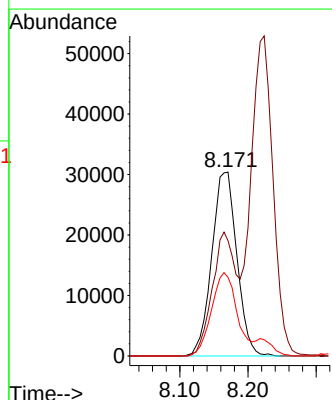
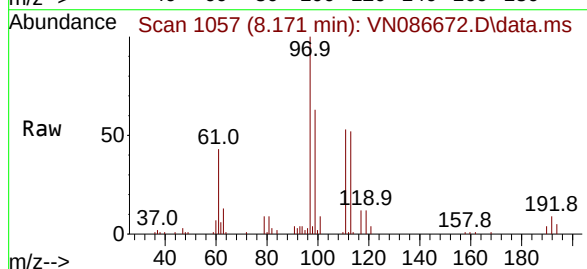
Tgt Ion: 97 Resp: 77893

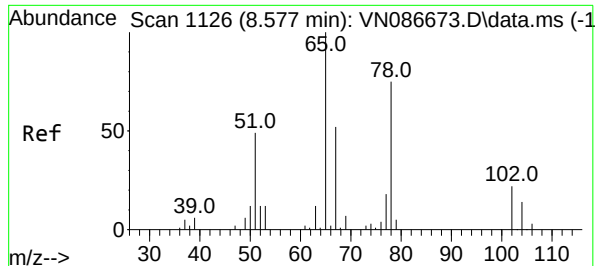
Ion Ratio Lower Upper

97 100

99 64.1 52.6 79.0

61 46.2 37.7 56.5





#33

1,2-Dichloroethane-d4

Concen: 19.085 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 54239

Ion Ratio Lower Upper

65 100

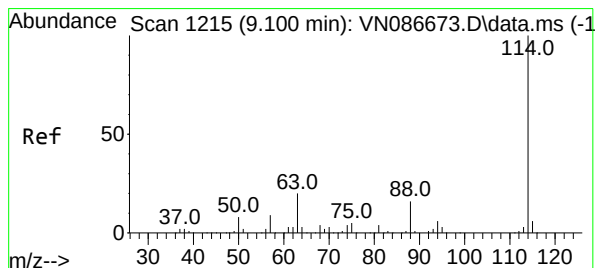
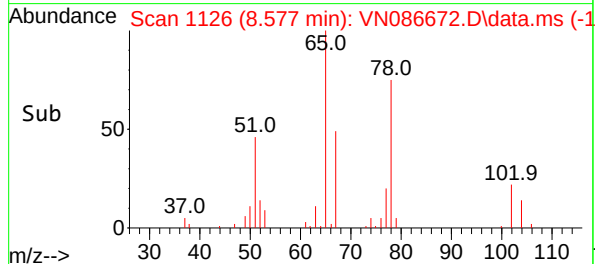
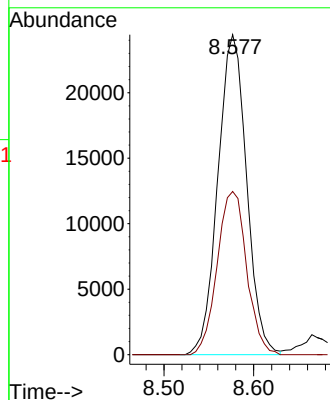
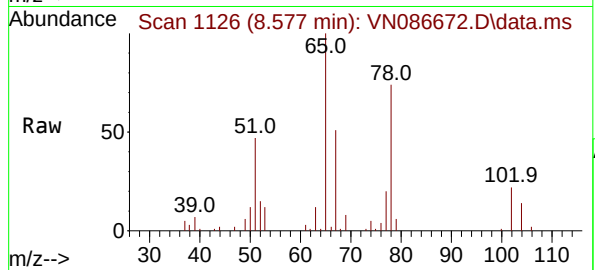
67 52.4 0.0 106.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

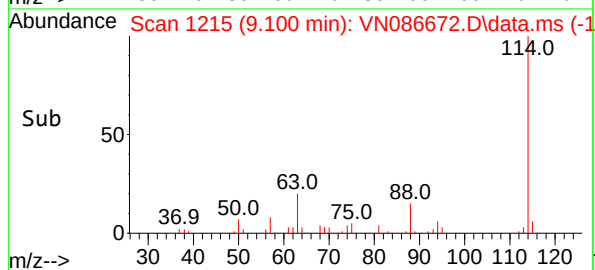
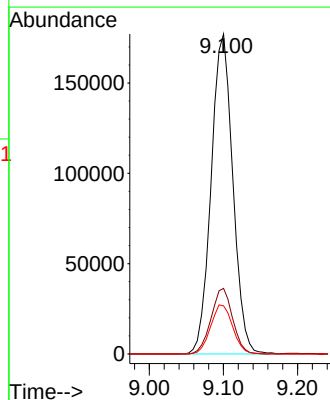
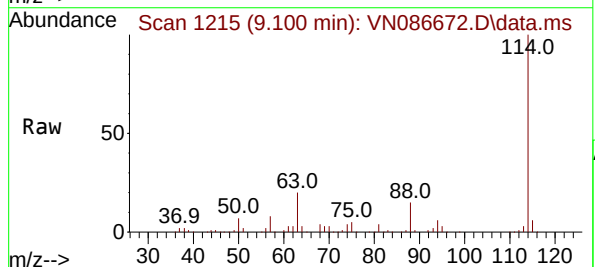
Tgt Ion:114 Resp: 359594

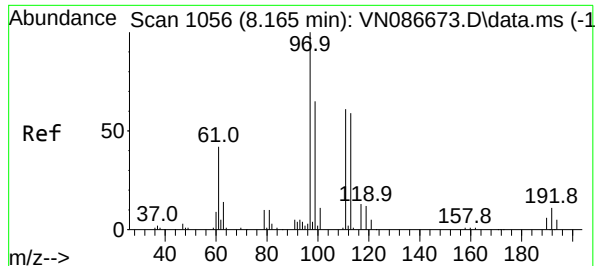
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.2

88 15.0 0.0 31.2





#35

Dibromofluoromethane

Concen: 23.360 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:113 Resp: 4180

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

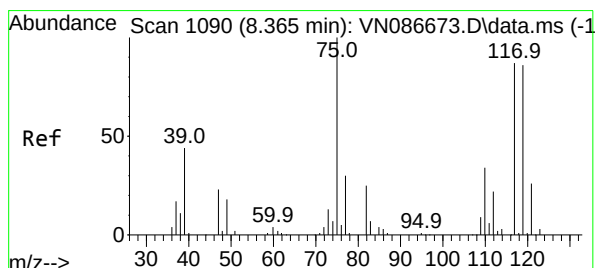
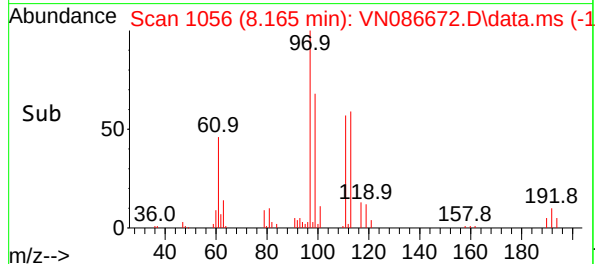
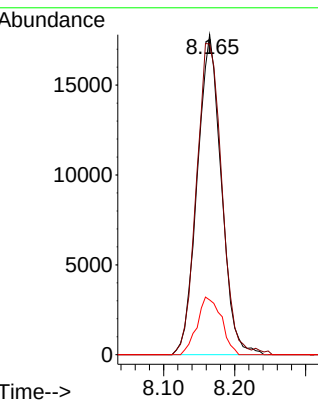
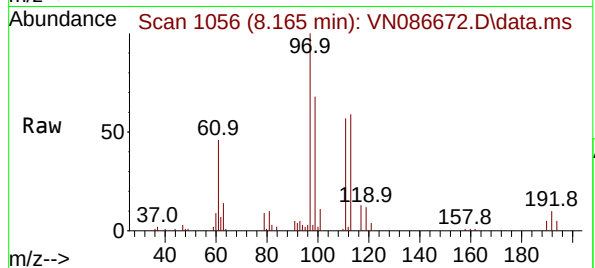
192 18.2 13.8 20.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#36

1,1-Dichloropropene

Concen: 19.476 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

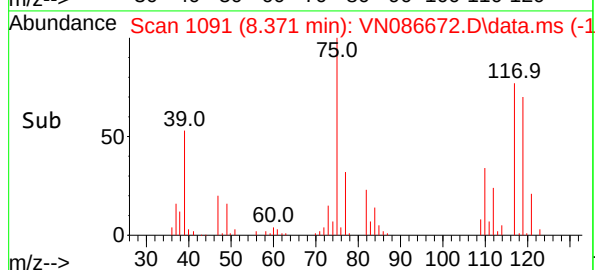
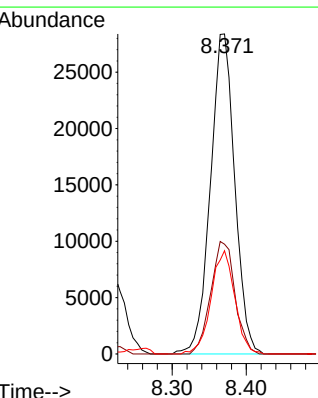
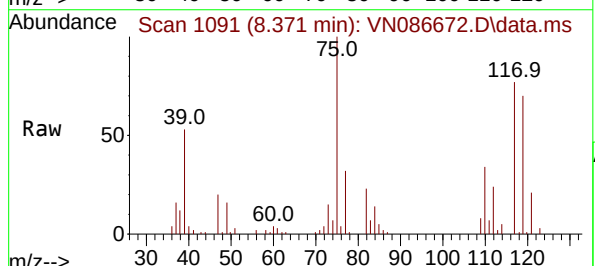
Tgt Ion: 75 Resp: 64751

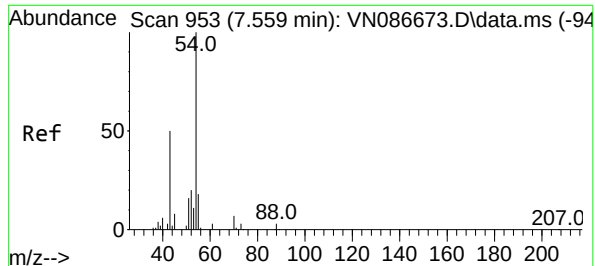
Ion Ratio Lower Upper

75 100

110 34.9 17.5 52.5

77 31.5 25.1 37.7





#37

Ethyl Acetate

Concen: 18.770 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 6563

Ion Ratio Lower Upper

43 100

61 14.7 11.6 17.4

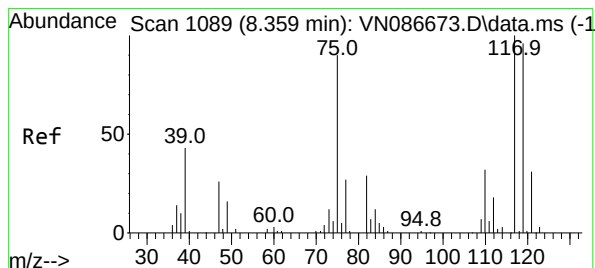
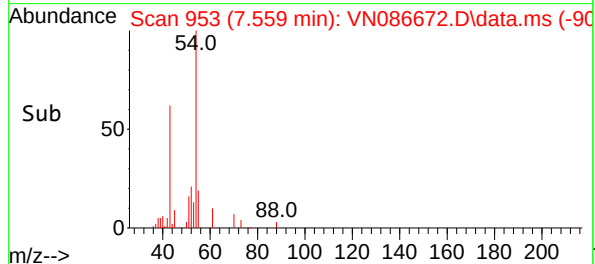
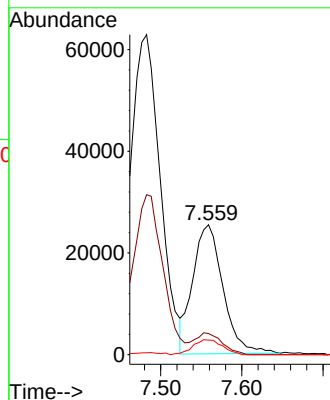
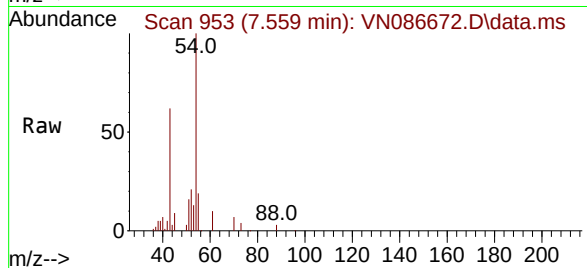
70 11.3 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#38

Carbon Tetrachloride

Concen: 20.795 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

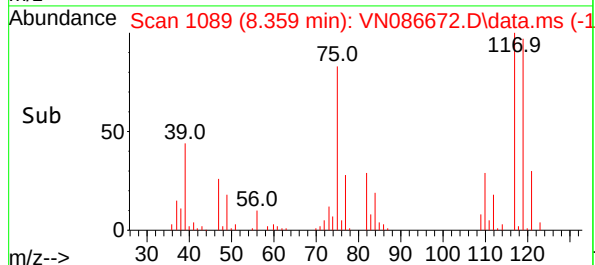
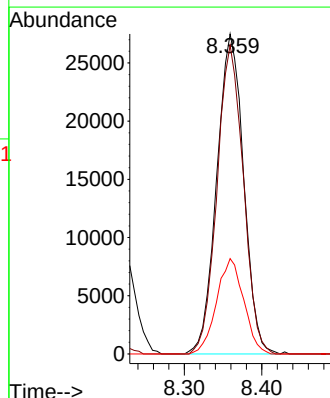
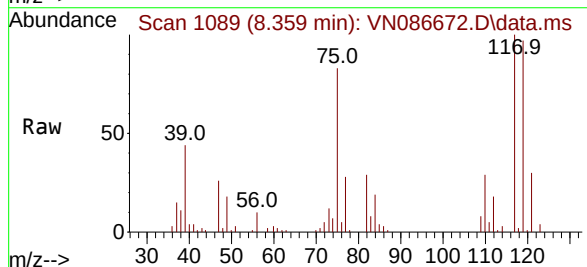
Tgt Ion:117 Resp: 66190

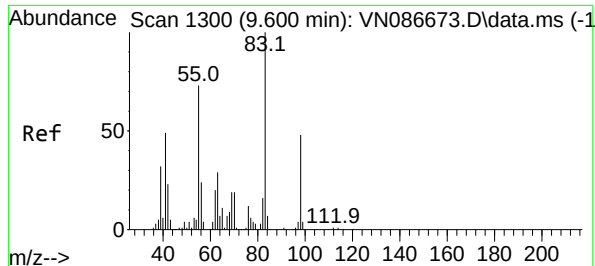
Ion Ratio Lower Upper

117 100

119 96.5 77.0 115.6

121 29.8 25.0 37.6





#39

Methylcyclohexane

Concen: 18.227 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

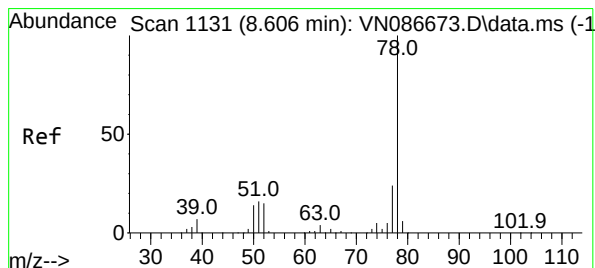
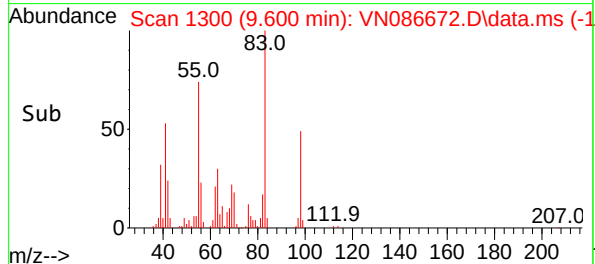
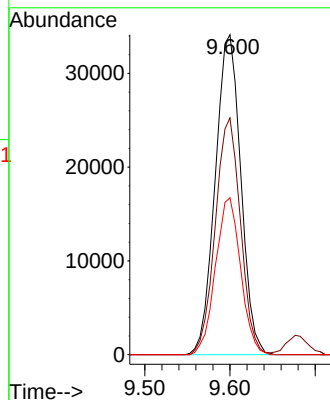
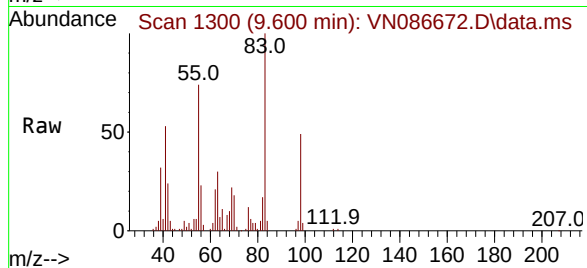
Tgt Ion:	83	Resp:	71304
Ion	Ratio	Lower	Upper
83	100		
55	74.0	58.2	87.4
98	49.0	38.4	57.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#40

Benzene

Concen: 20.002 ug/l

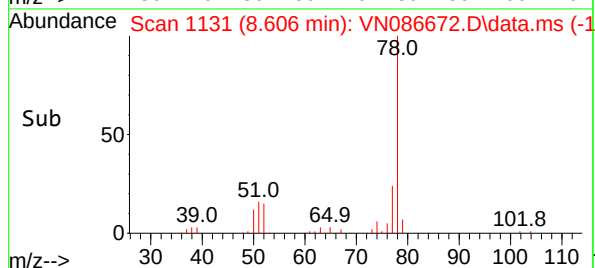
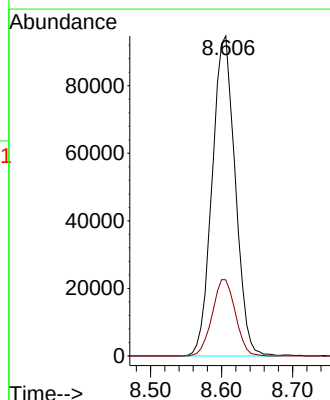
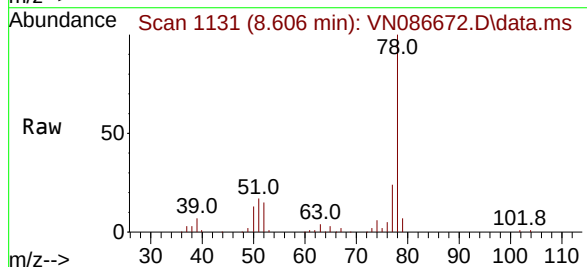
RT: 8.606 min Scan# 1131

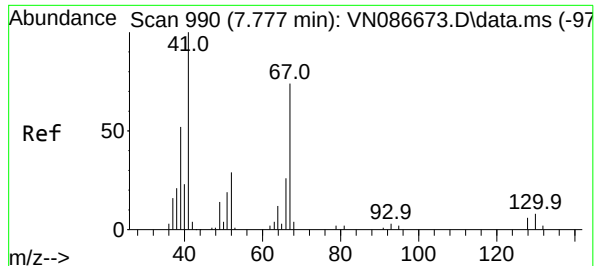
Delta R.T. -0.000 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

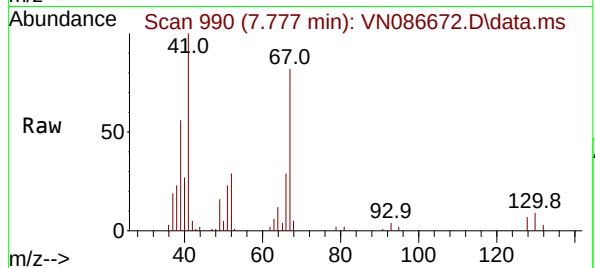
Tgt Ion:	78	Resp:	213460
Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





#41
Methacrylonitrile
Concen: 17.809 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

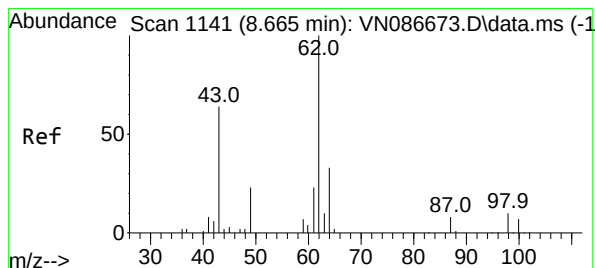
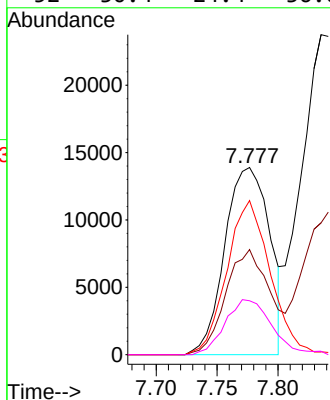
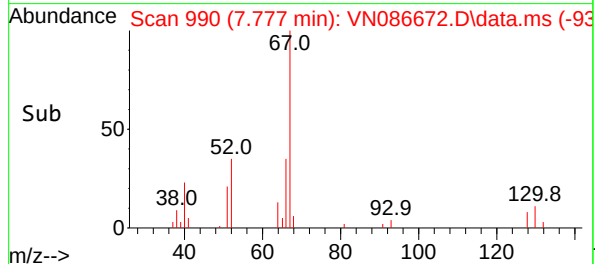
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion: 41 Resp: 35700
Ion Ratio Lower Upper
41 100
39 56.1 44.9 67.3
67 79.7 63.4 95.0
52 30.4 24.4 36.6

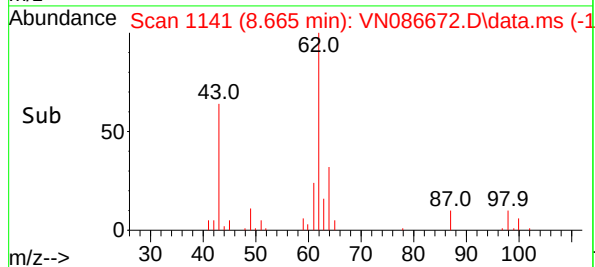
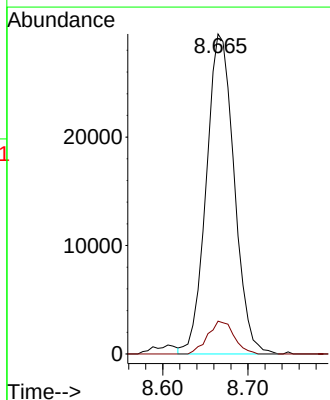
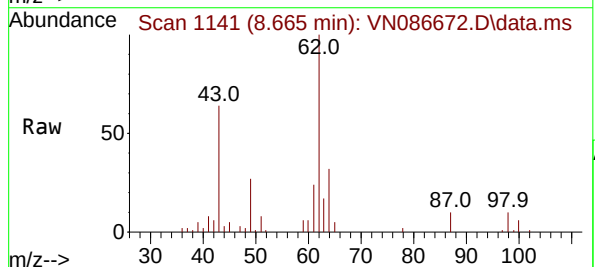
Manual Integrations
APPROVED

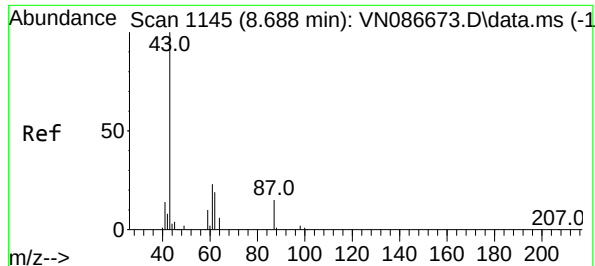
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#42
1,2-Dichloroethane
Concen: 19.757 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Tgt Ion: 62 Resp: 67134
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.2





#43

Isopropyl Acetate

Concen: 14.669 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN086672.D

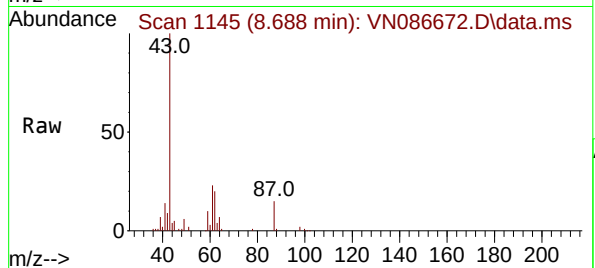
Acq: 16 May 2025 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020



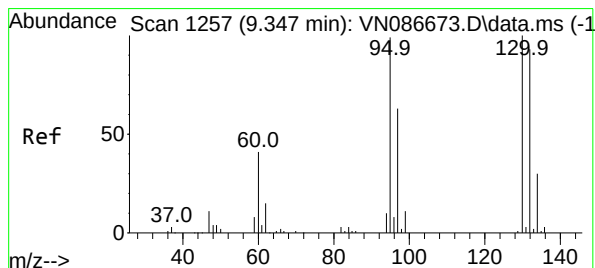
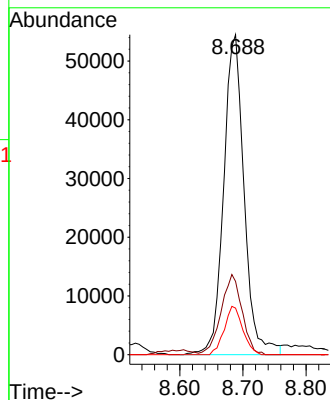
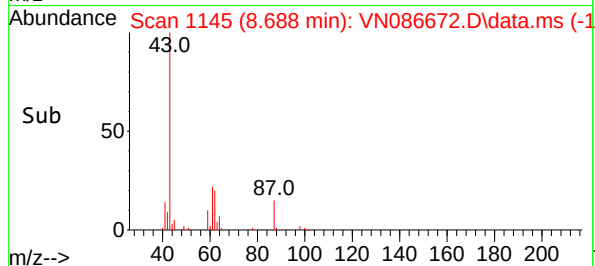
Tgt Ion:	43	Resp:	122489
Ion	Ratio	Lower	Upper
43	100		
61	25.7	21.4	32.2
87	13.6	11.1	16.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#44

Trichloroethene

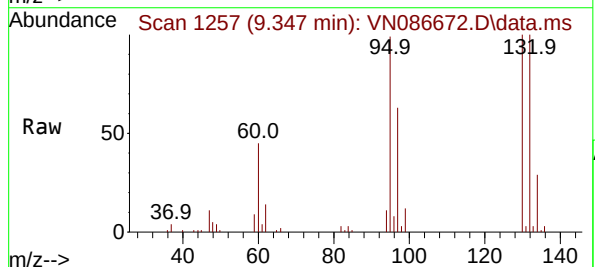
Concen: 20.468 ug/l

RT: 9.347 min Scan# 1257

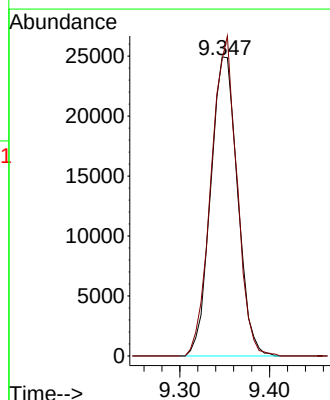
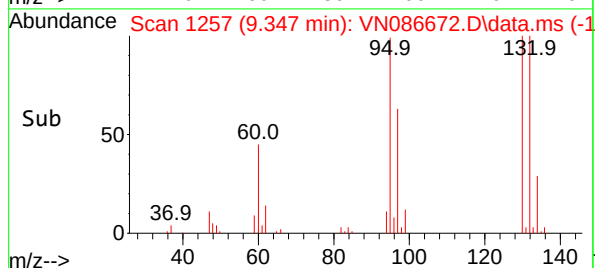
Delta R.T. -0.000 min

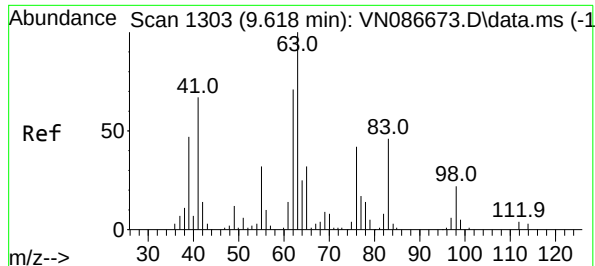
Lab File: VN086672.D

Acq: 16 May 2025 17:43



Tgt Ion:	130	Resp:	51930
Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	197.0





#45

1,2-Dichloropropane

Concen: 20.108 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 52240

Ion Ratio Lower Upper

63 100

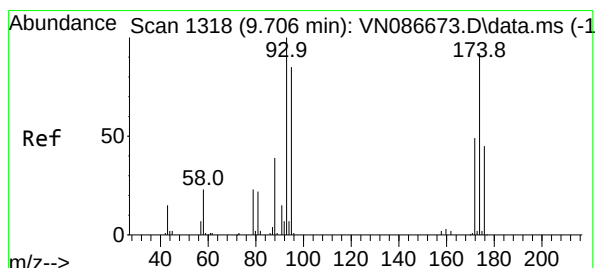
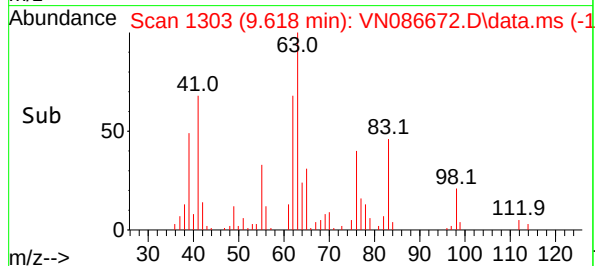
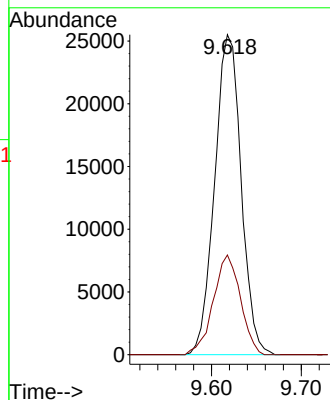
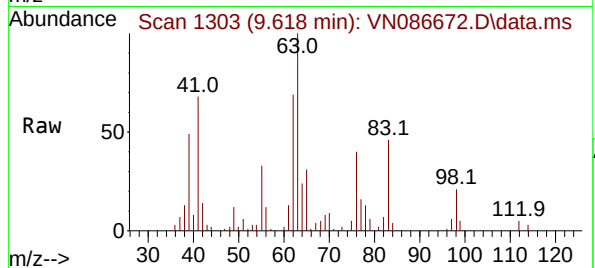
65 31.2 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#46

Dibromomethane

Concen: 21.150 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

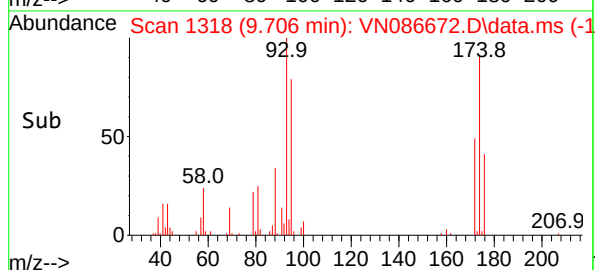
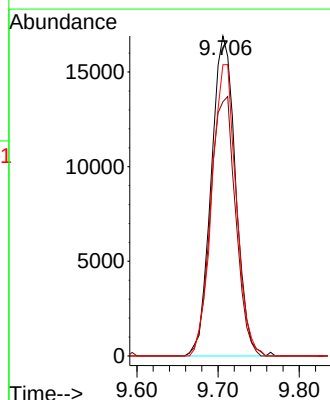
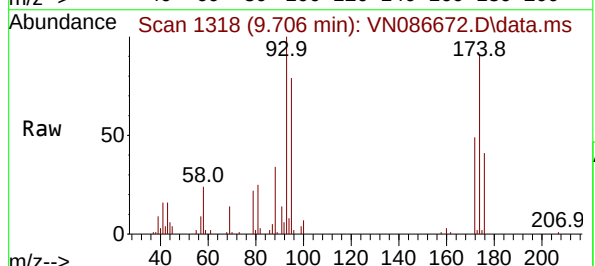
Tgt Ion: 93 Resp: 35245

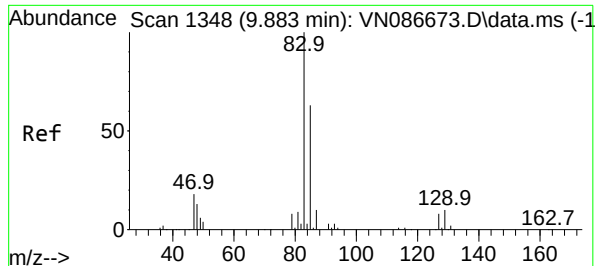
Ion Ratio Lower Upper

93 100

95 83.6 67.1 100.7

174 91.0 73.8 110.6





#47

Bromodichloromethane

Concen: 19.877 ug/l

RT: 9.882 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

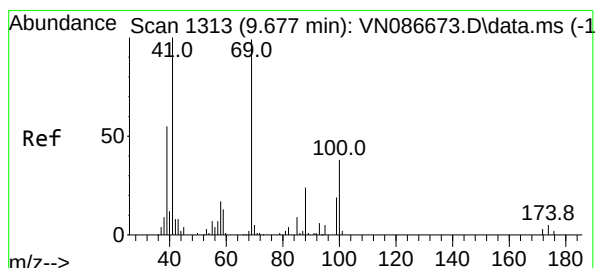
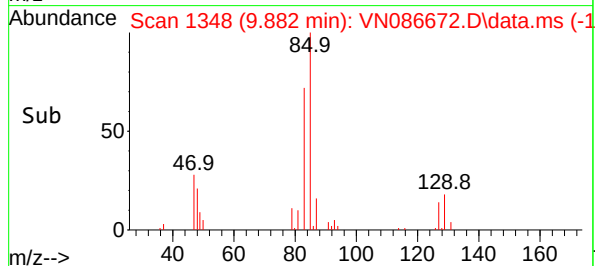
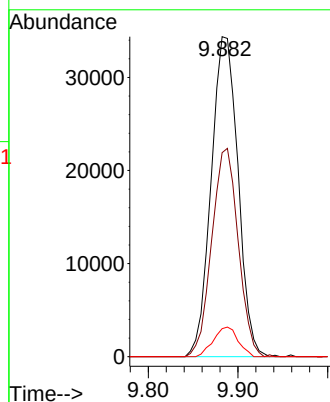
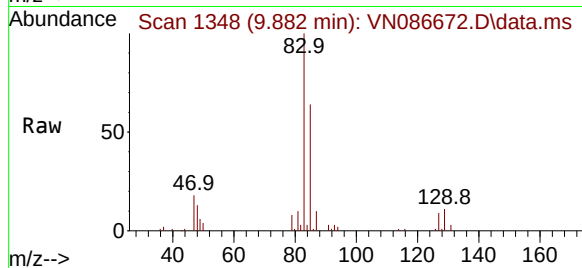
Tgt Ion:	83	Resp:	71409
Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.1	75.1
127	8.7	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#48

Methyl methacrylate

Concen: 17.506 ug/l

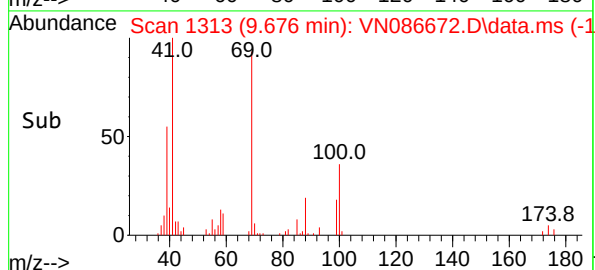
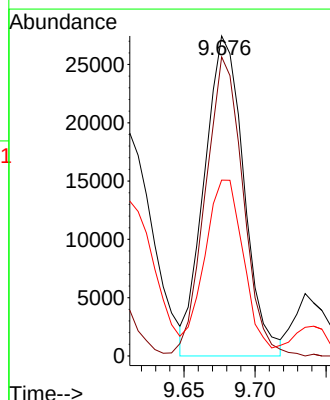
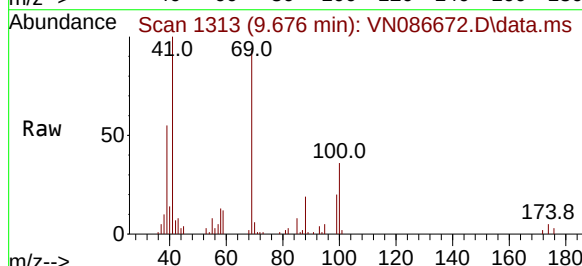
RT: 9.676 min Scan# 1313

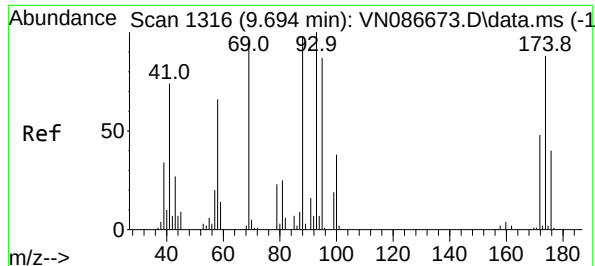
Delta R.T. -0.000 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

Tgt Ion:	41	Resp:	53023
Ion	Ratio	Lower	Upper
41	100		
69	89.4	74.1	111.1
39	54.9	44.1	66.1





#49

1,4-Dioxane

Concen: 401.824 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 88 Resp: 21528

Ion Ratio Lower Upper

88 100

43 28.5 23.6 35.4

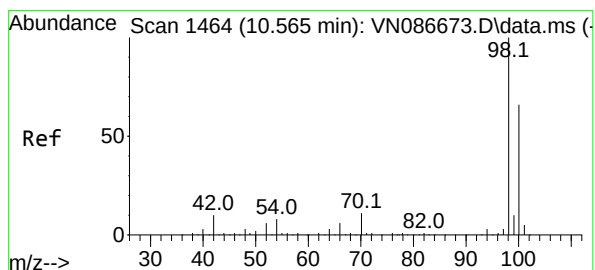
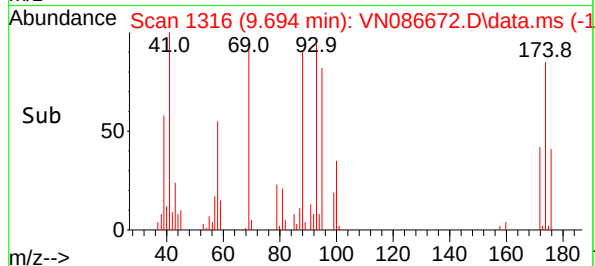
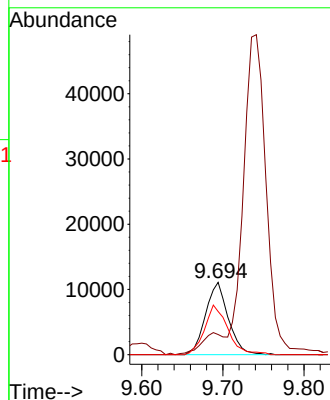
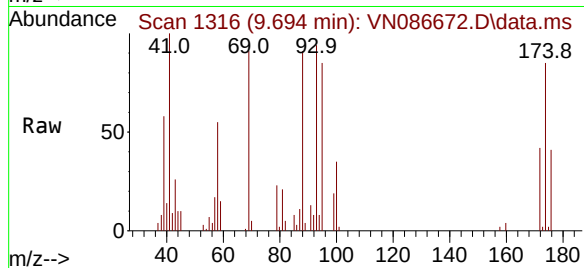
58 70.6 55.3 82.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#50

Toluene-d8

Concen: 19.879 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086672.D

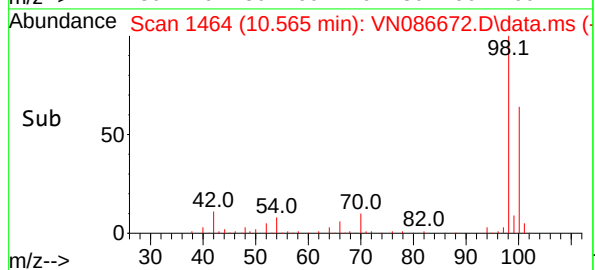
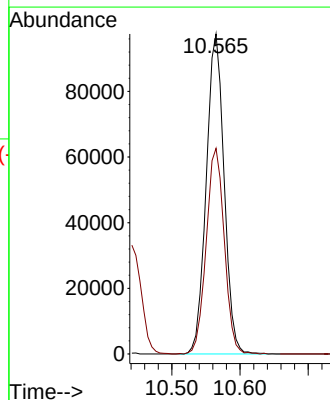
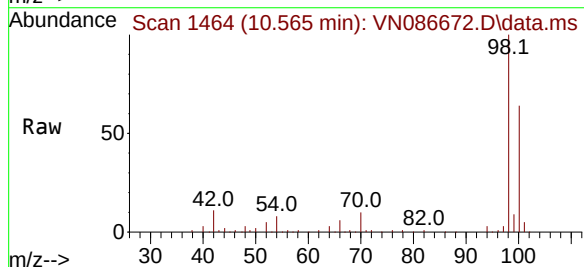
Acq: 16 May 2025 17:43

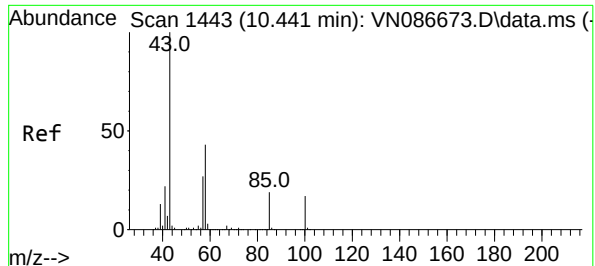
Tgt Ion: 98 Resp: 177303

Ion Ratio Lower Upper

98 100

100 65.2 52.9 79.3





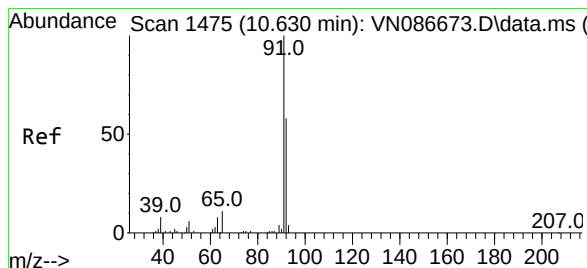
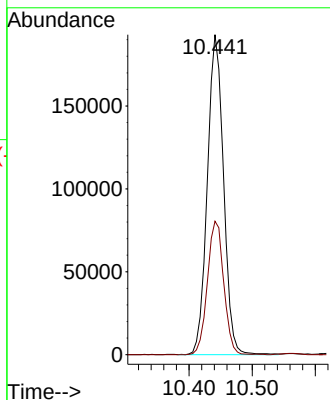
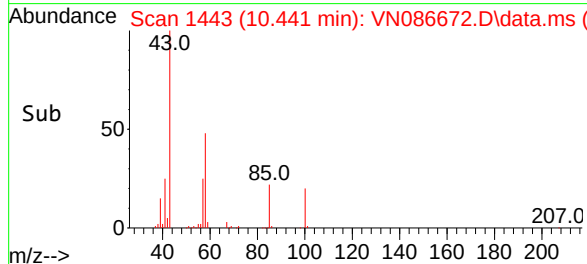
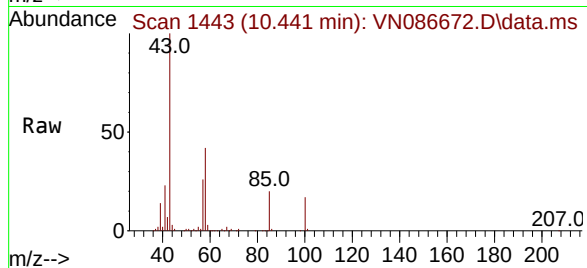
#51
4-Methyl-2-Pentanone
Concen: 96.661 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 343562
Ion Ratio Lower Upper
43 100
58 42.0 33.9 50.9

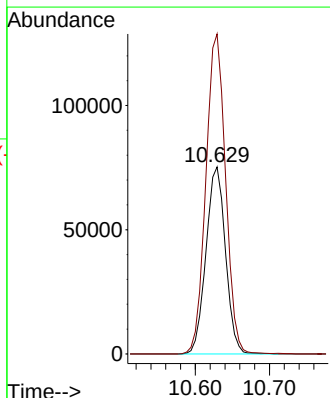
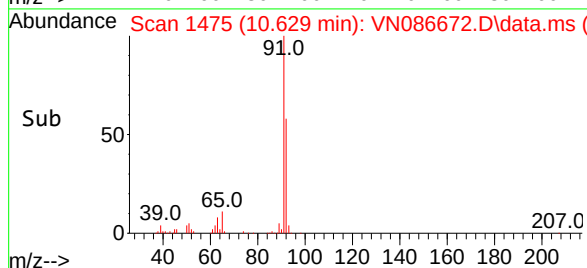
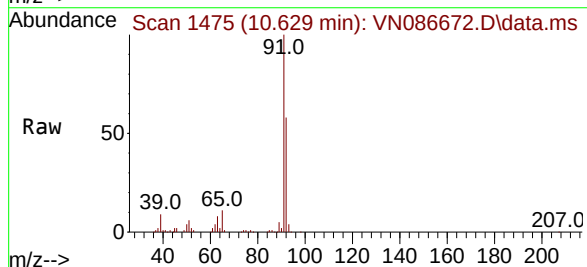
Manual Integrations
APPROVED

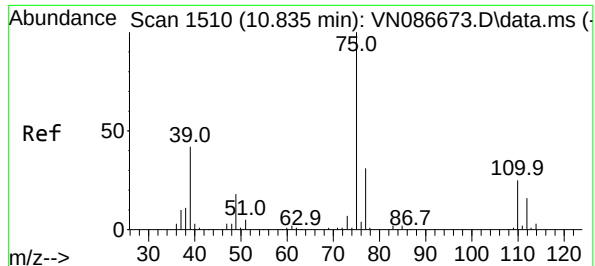
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#52
Toluene
Concen: 20.659 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Tgt Ion: 92 Resp: 137539
Ion Ratio Lower Upper
92 100
91 172.9 137.8 206.8





#53
t-1,3-Dichloropropene
Concen: 19.291 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Instrument :

MSVOA_N

ClientSampleId :

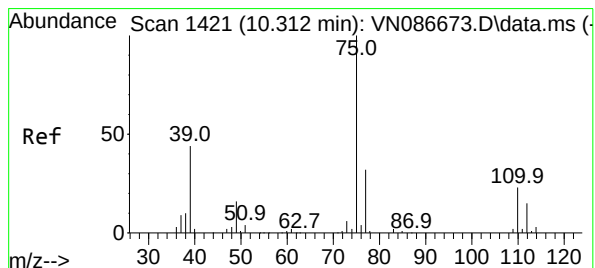
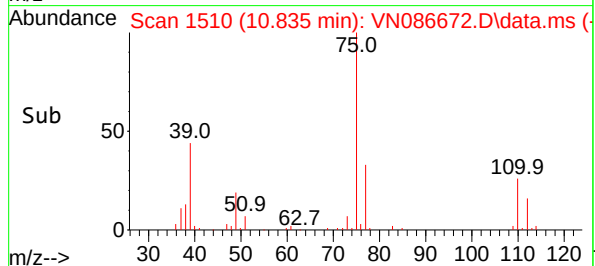
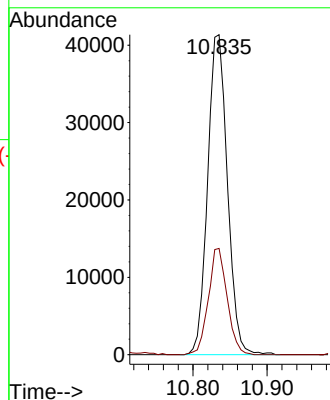
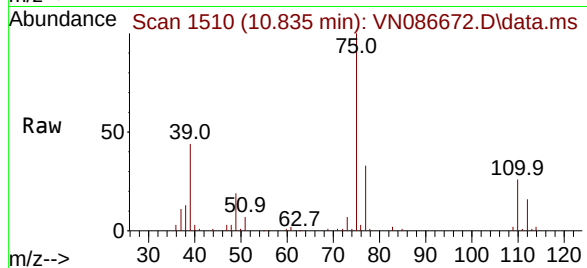
VSTDIC020

Tgt Ion: 75 Resp: 7670
Ion Ratio Lower Upper
75 100
77 33.2 25.2 37.8

Manual Integrations

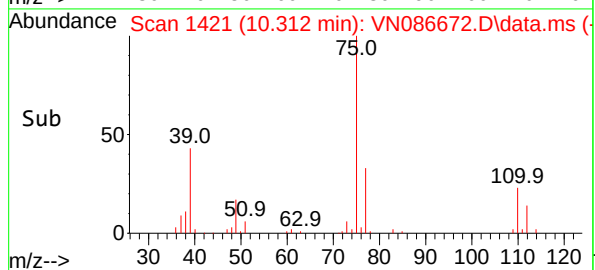
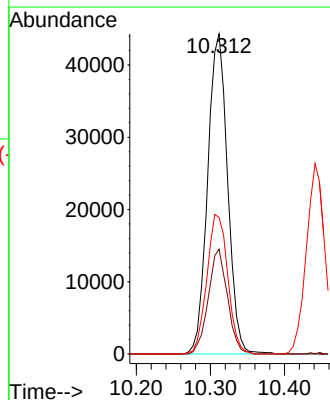
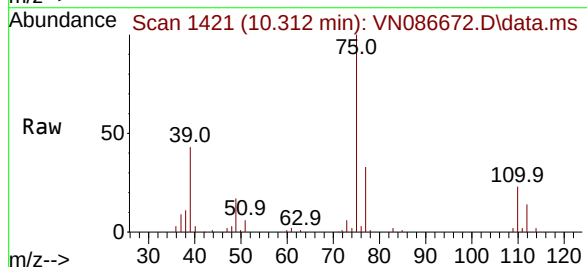
APPROVED

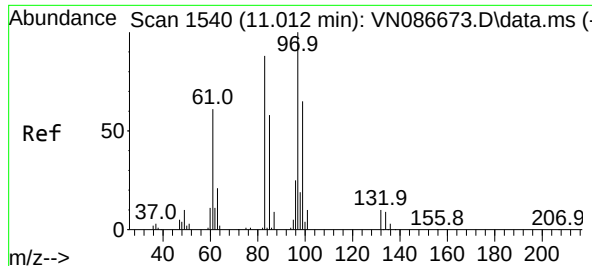
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#54
cis-1,3-Dichloropropene
Concen: 18.925 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Tgt Ion: 75 Resp: 82783
Ion Ratio Lower Upper
75 100
77 32.8 25.3 37.9
39 42.7 35.2 52.8





#55

1,1,2-Trichloroethane

Concen: 20.709 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. -0.000 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 49729

Ion Ratio Lower Upper

97 100

83 87.7 70.4 105.6

85 55.0 46.1 69.1

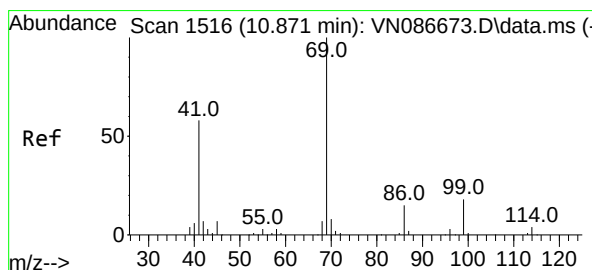
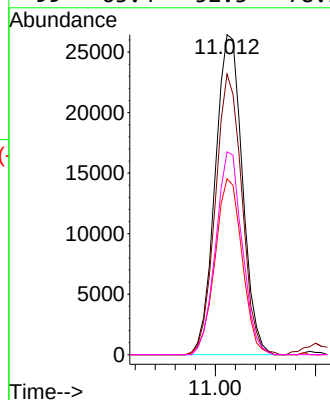
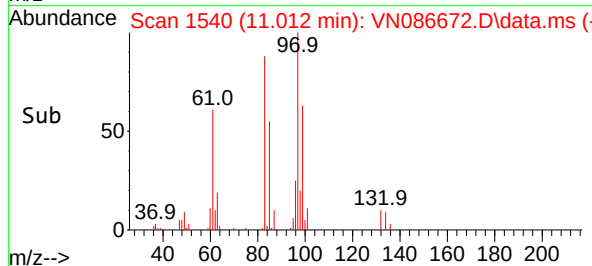
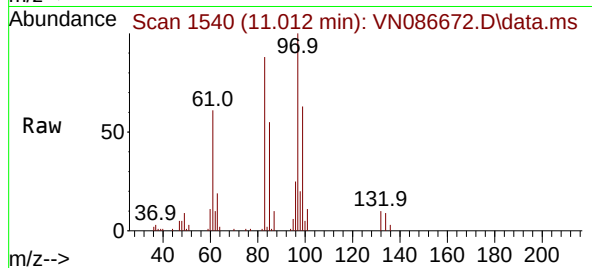
99 63.4 52.3 78.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#56

Ethyl methacrylate

Concen: 18.880 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

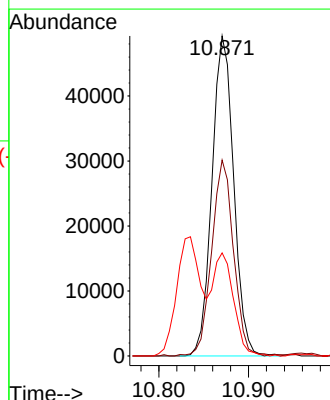
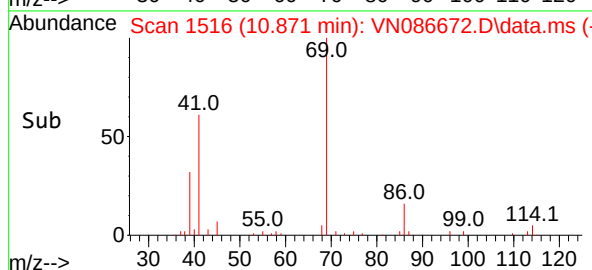
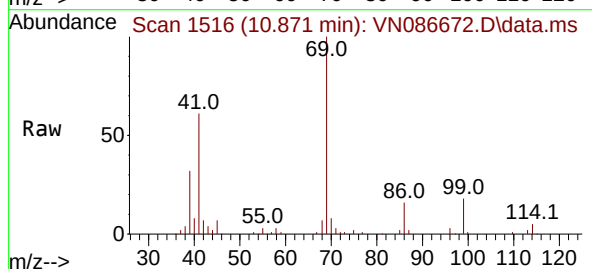
Tgt Ion: 69 Resp: 82716

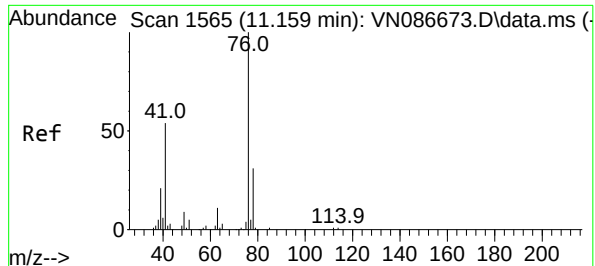
Ion Ratio Lower Upper

69 100

41 61.4 47.4 71.0

39 31.3 24.0 36.0





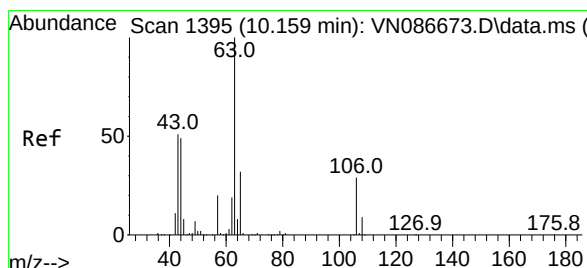
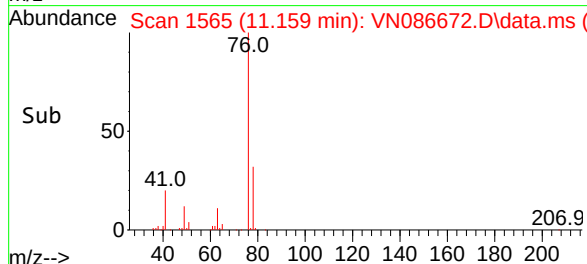
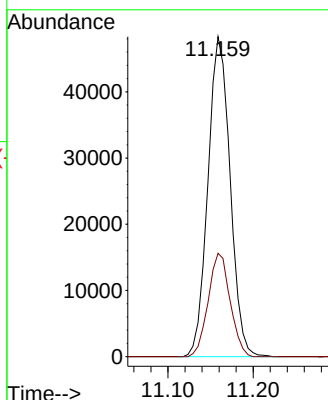
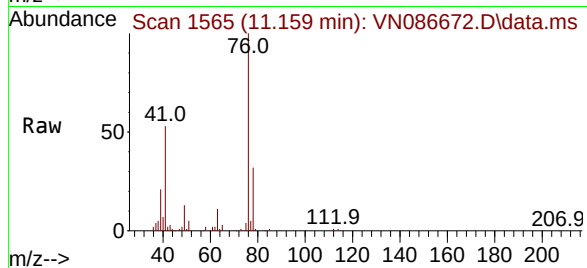
#57
1,3-Dichloropropane
Concen: 20.572 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 87454
Ion Ratio Lower Upper
76 100
78 31.8 25.8 38.8

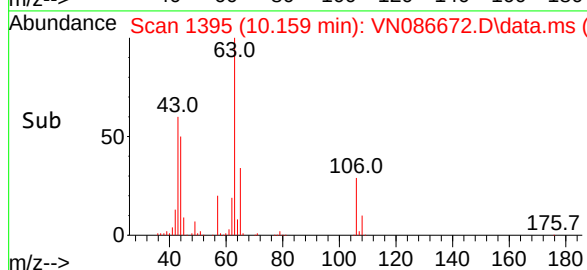
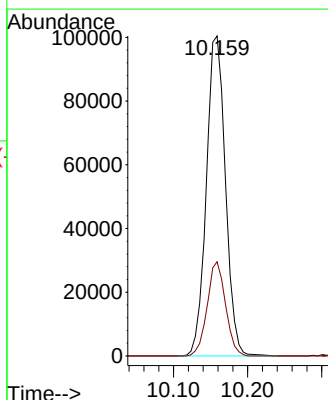
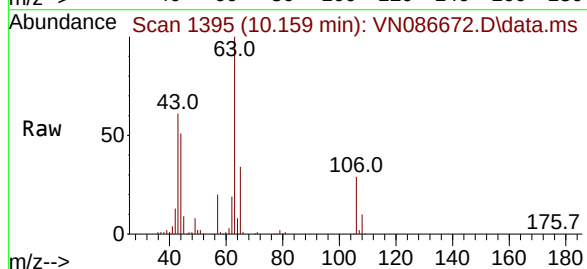
Manual Integrations
APPROVED

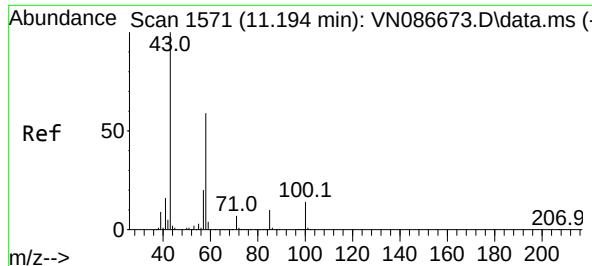
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#58
2-Chloroethyl Vinyl ether
Concen: 87.281 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

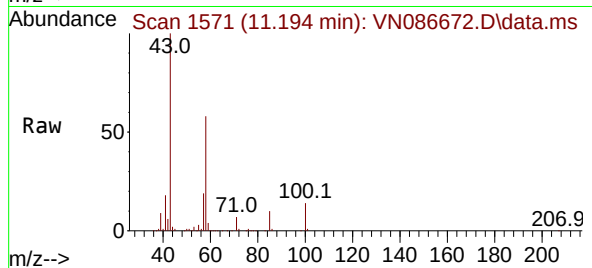
Tgt Ion: 63 Resp: 179575
Ion Ratio Lower Upper
63 100
106 28.3 23.1 34.7





#59
2-Hexanone
Concen: 97.403 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

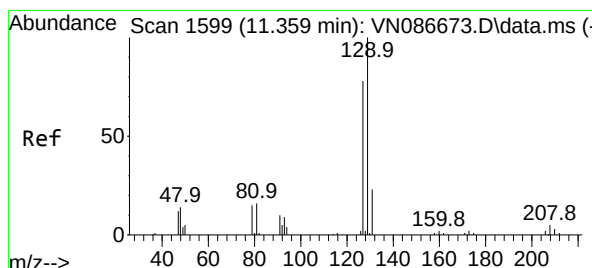
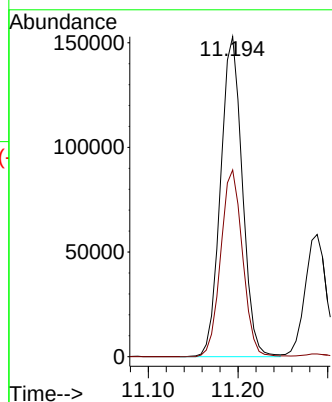
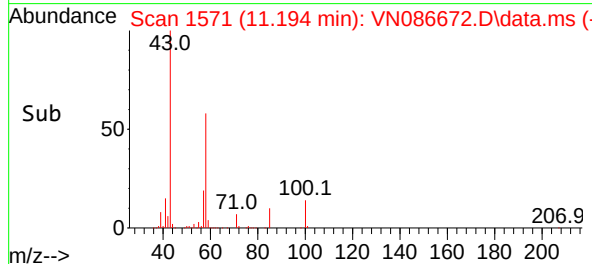
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 43 Resp: 25701
Ion Ratio Lower Upper
43 100
58 58.6 29.8 89.5

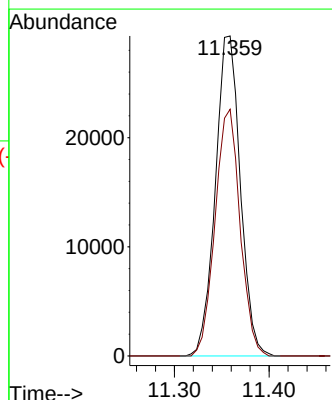
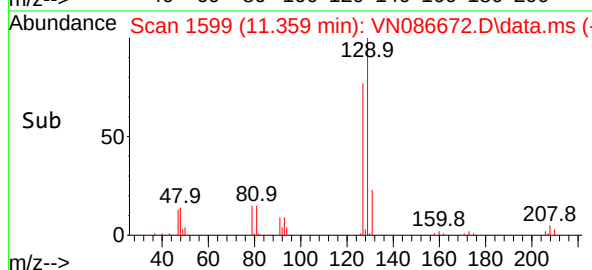
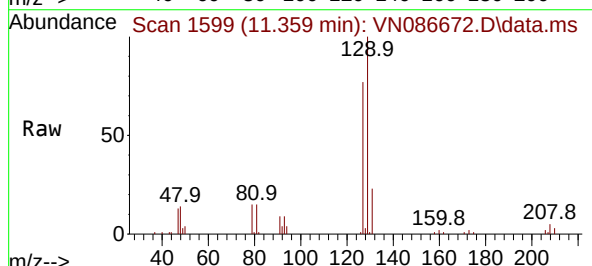
Manual Integrations
APPROVED

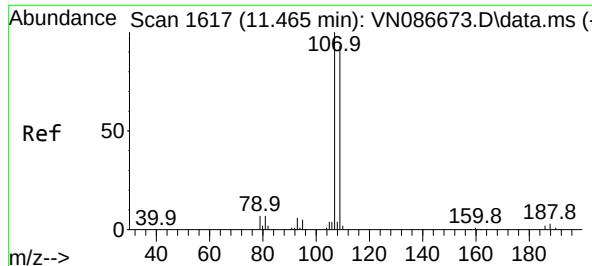
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#60
Dibromochloromethane
Concen: 20.466 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Tgt Ion:129 Resp: 53776
Ion Ratio Lower Upper
129 100
127 77.0 39.5 118.3





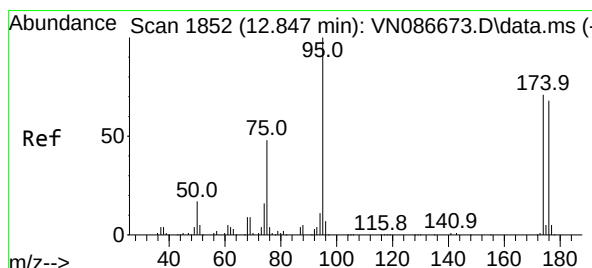
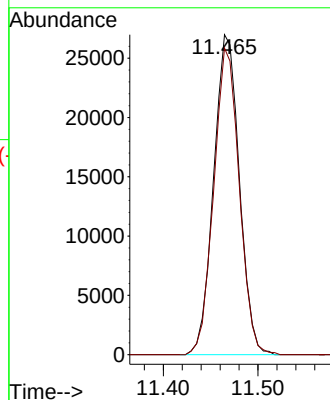
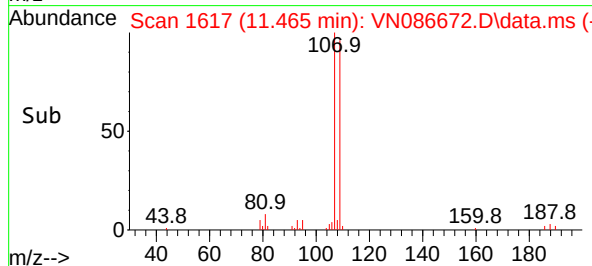
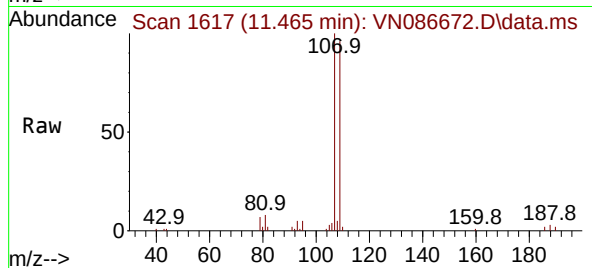
#61
1,2-Dibromoethane
Concen: 20.921 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:107 Resp: 50840
Ion Ratio Lower Upper
107 100
109 95.3 75.0 112.4

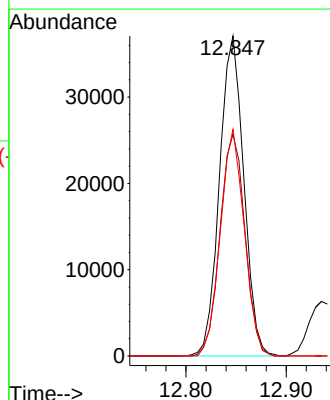
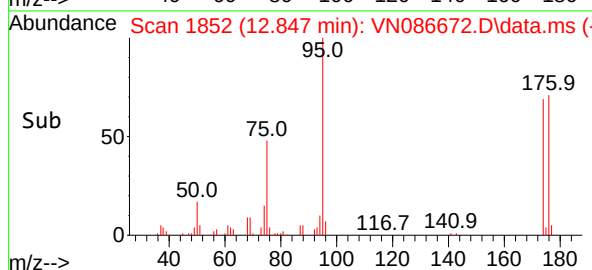
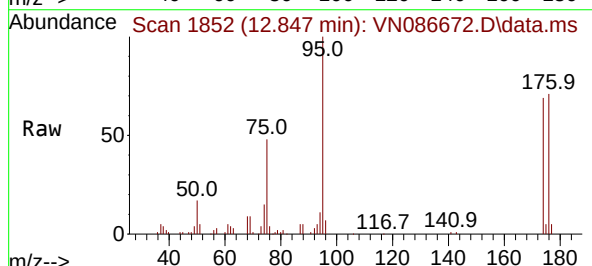
Manual Integrations
APPROVED

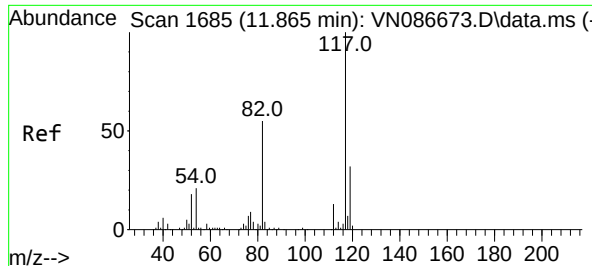
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#62
4-Bromofluorobenzene
Concen: 19.235 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

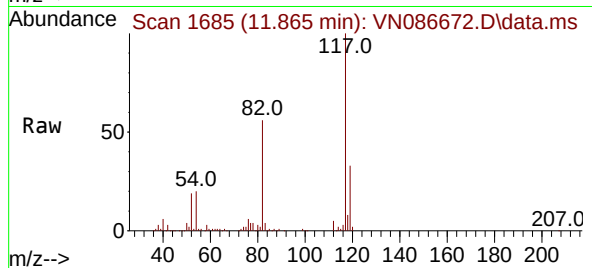
Tgt Ion: 95 Resp: 62323
Ion Ratio Lower Upper
95 100
174 71.1 0.0 145.4
176 69.7 0.0 137.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

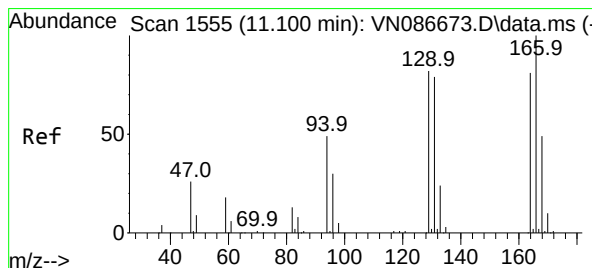
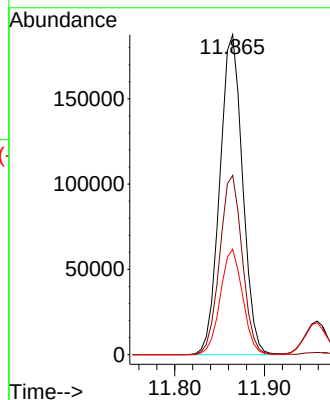
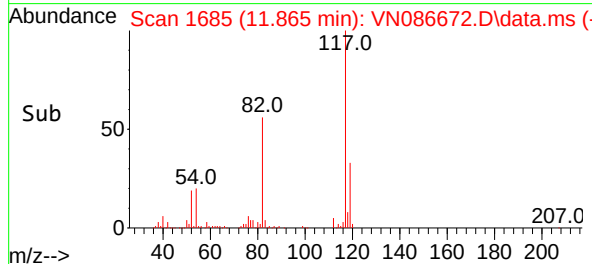
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion:117 Resp: 33052
Ion Ratio Lower Upper
117 100
82 56.1 44.2 66.2
119 33.0 25.4 38.2

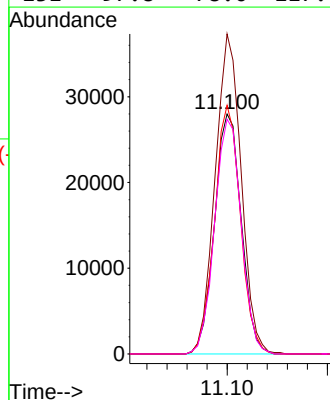
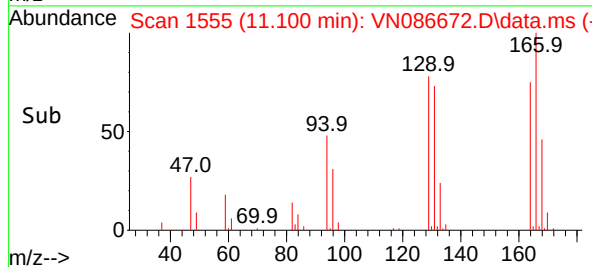
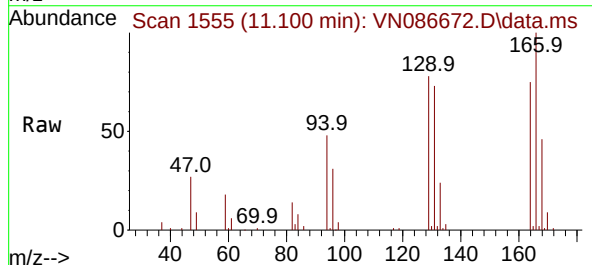
Manual Integrations
APPROVED

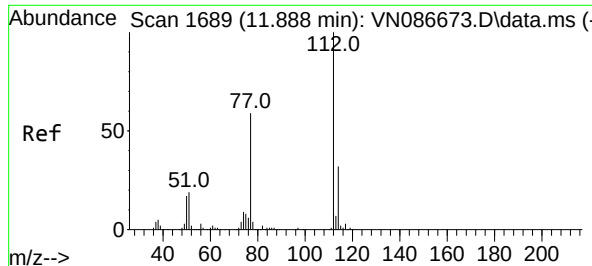
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#64
Tetrachloroethene
Concen: 20.381 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

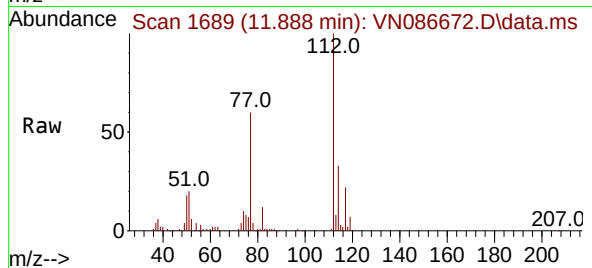
Tgt Ion:164 Resp: 51785
Ion Ratio Lower Upper
164 100
166 133.3 98.2 147.4
129 103.6 81.0 121.4
131 97.8 78.0 117.0





#65
Chlorobenzene
Concen: 20.366 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

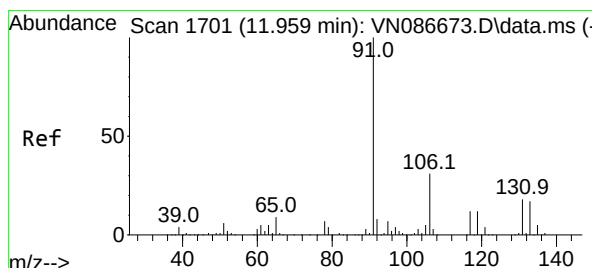
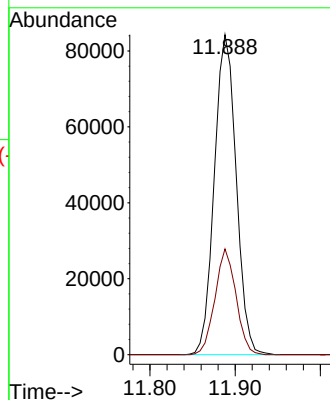
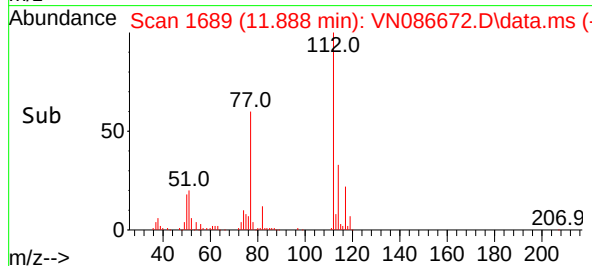
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion:112 Resp: 150439
Ion Ratio Lower Upper
112 100
114 33.0 25.9 38.9

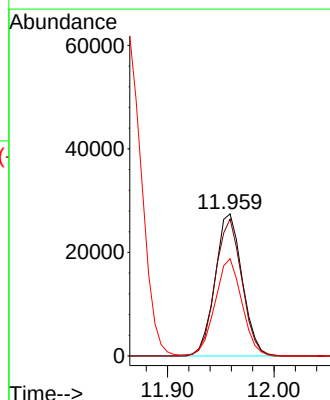
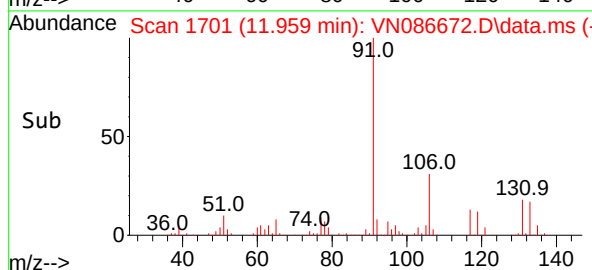
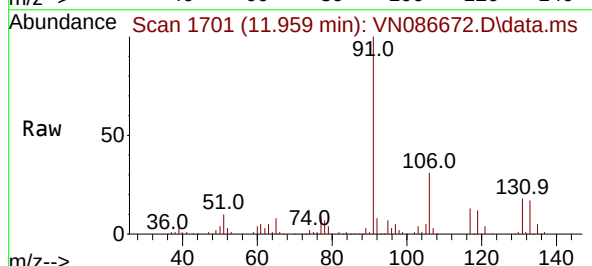
Manual Integrations
APPROVED

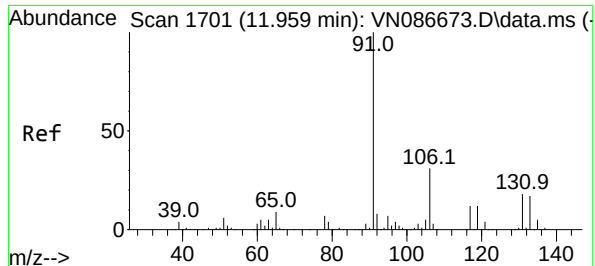
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 19.851 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Tgt Ion:131 Resp: 48349
Ion Ratio Lower Upper
131 100
133 95.0 47.9 143.7
119 68.1 33.6 100.8





#67

Ethyl Benzene

Concen: 19.673 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 26072

Ion Ratio Lower Upper

91 100

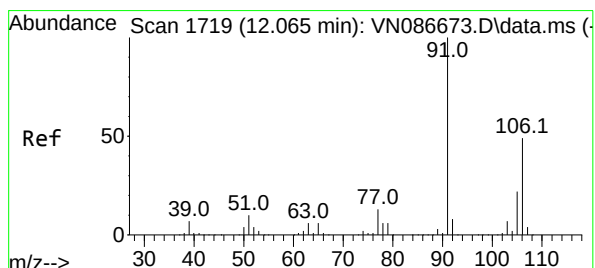
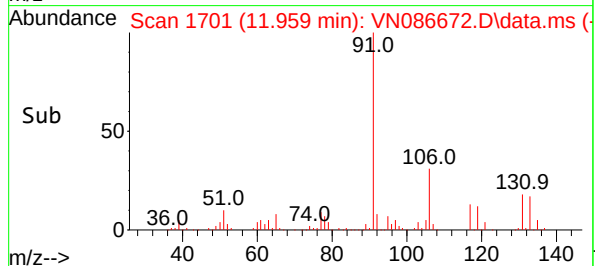
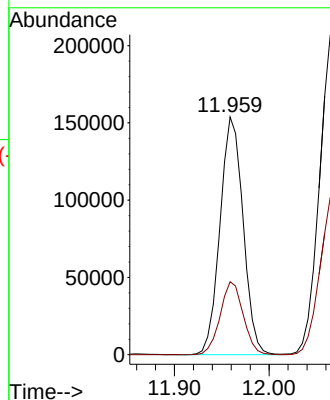
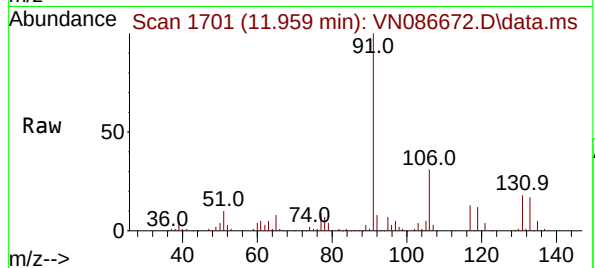
106 30.7 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#68

m/p-Xylenes

Concen: 40.507 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.000 min

Lab File: VN086672.D

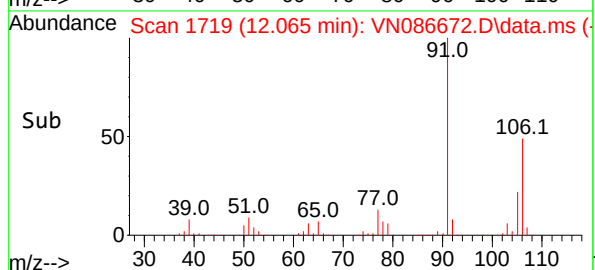
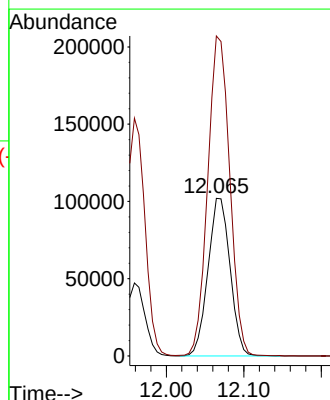
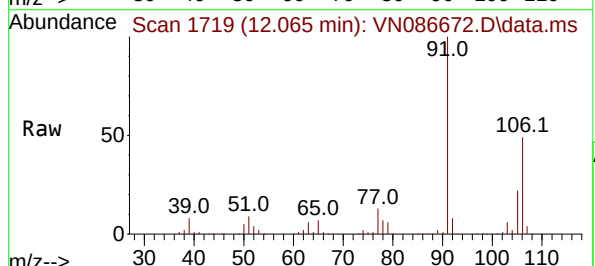
Acq: 16 May 2025 17:43

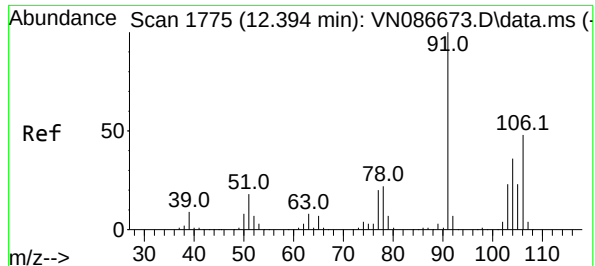
Tgt Ion:106 Resp: 201601

Ion Ratio Lower Upper

106 100

91 203.3 162.4 243.6





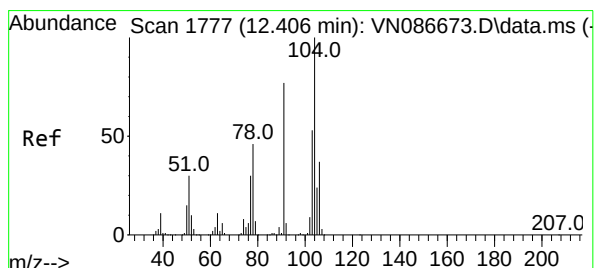
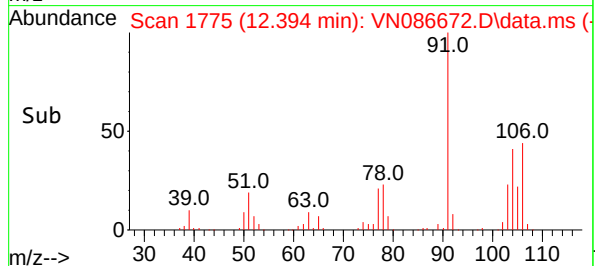
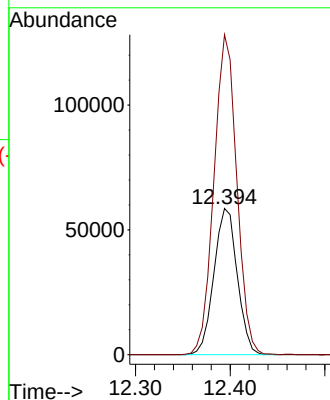
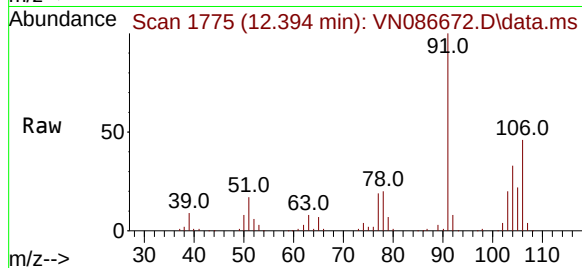
#69
o-Xylene
Concen: 20.298 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 10030
Ion Ratio Lower Upper
106 100
91 214.1 105.1 315.1

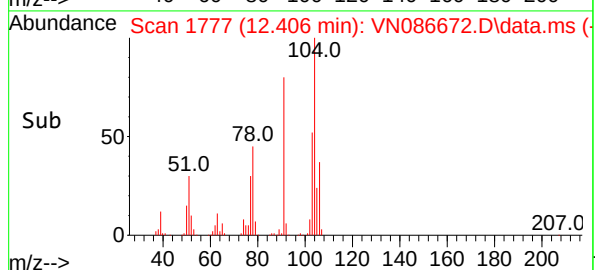
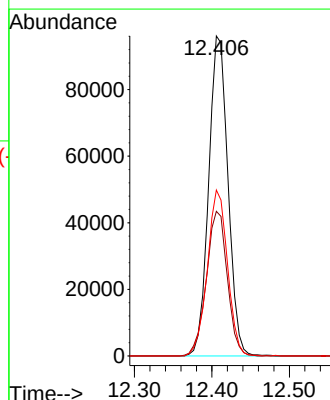
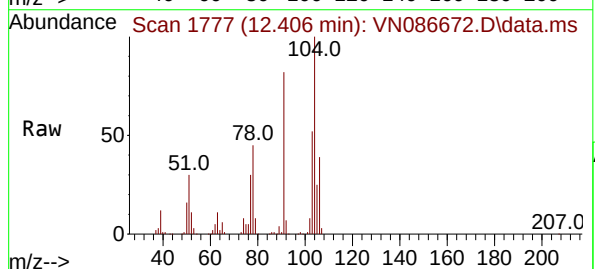
Manual Integrations
APPROVED

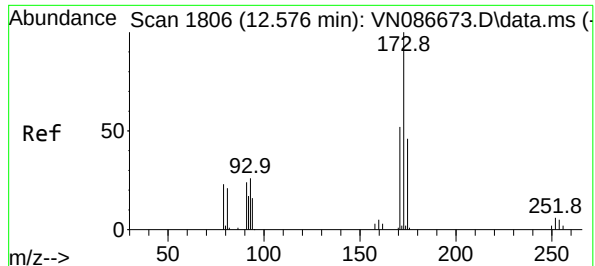
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#70
Styrene
Concen: 20.301 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Tgt Ion:104 Resp: 166436
Ion Ratio Lower Upper
104 100
78 48.9 39.0 58.6
103 54.0 43.8 65.8





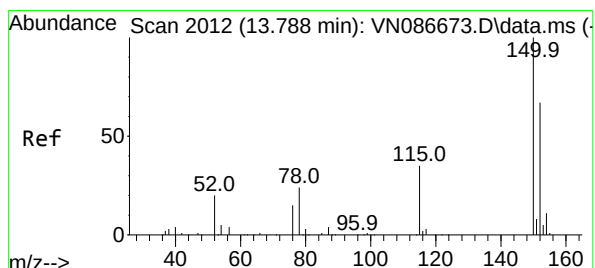
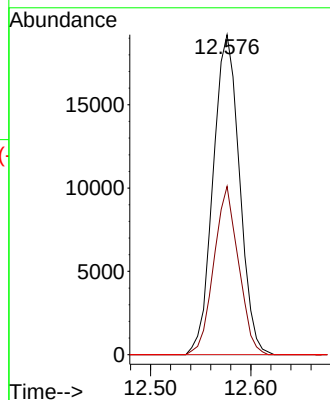
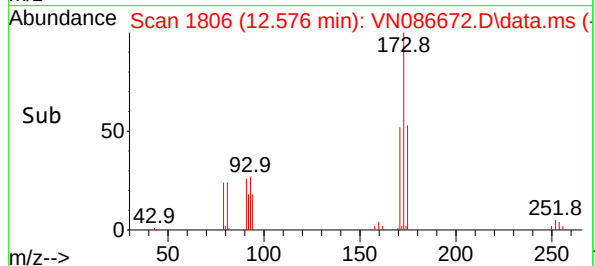
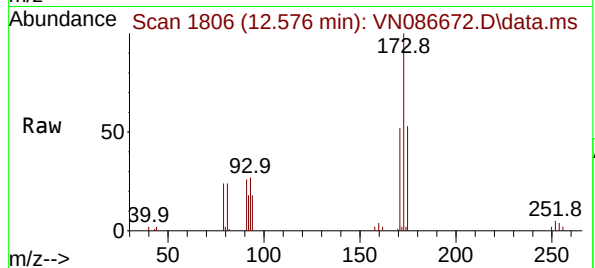
#71
Bromoform
Concen: 19.141 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 3506
Ion Ratio Lower Upper
173 100
175 49.1 23.4 70.2
254 0.0 0.0 0.0

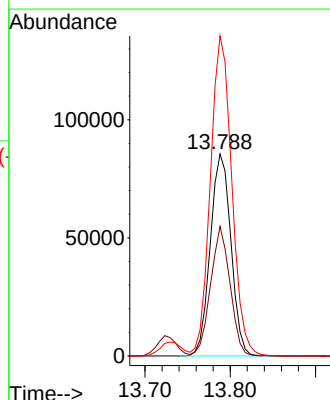
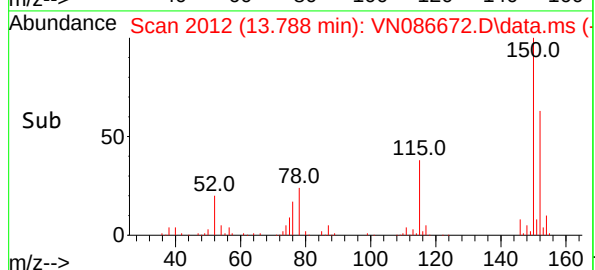
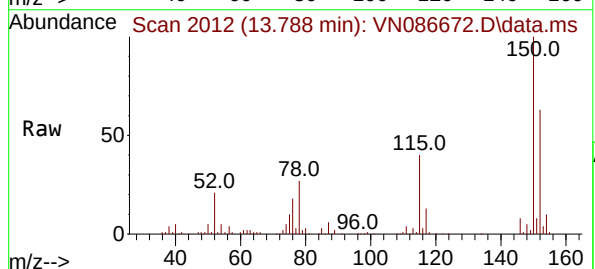
Manual Integrations
APPROVED

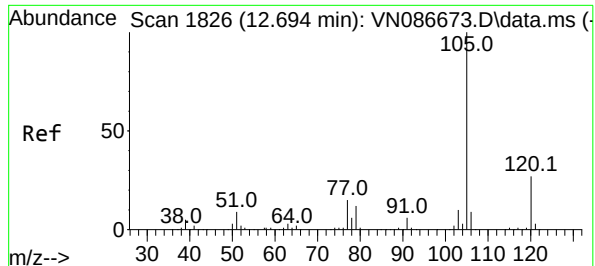
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

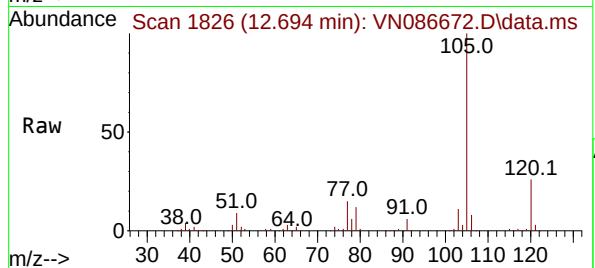
Tgt Ion:152 Resp: 143784
Ion Ratio Lower Upper
152 100
115 60.4 30.0 90.1
150 164.2 0.0 347.8





#73
Isopropylbenzene
Concen: 20.455 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

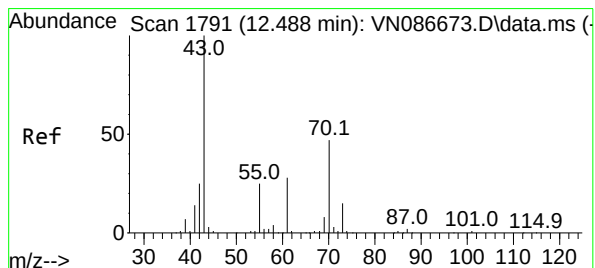
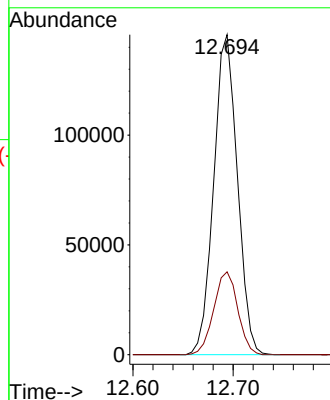
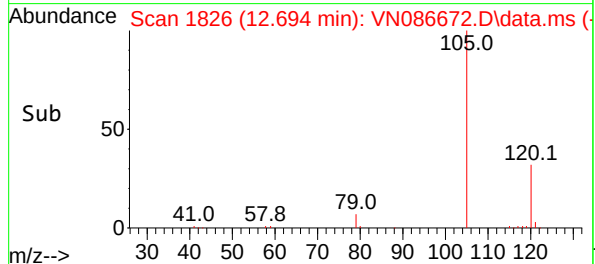
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion:105 Resp: 23875
Ion Ratio Lower Upper
105 100
120 26.3 13.4 40.1

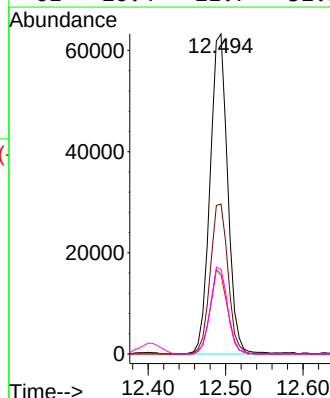
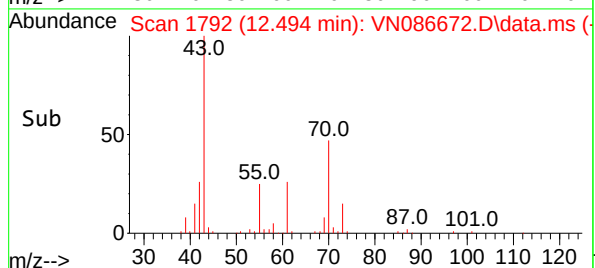
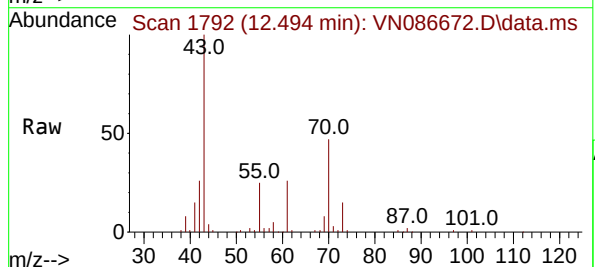
Manual Integrations
APPROVED

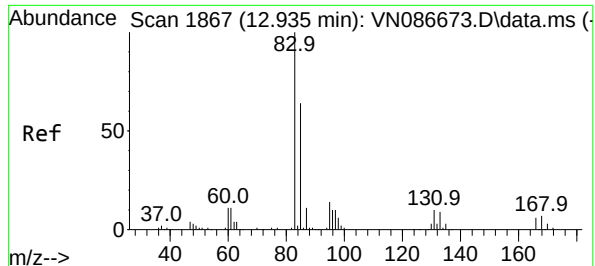
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#74
N-ethyl acetate
Concen: 17.465 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

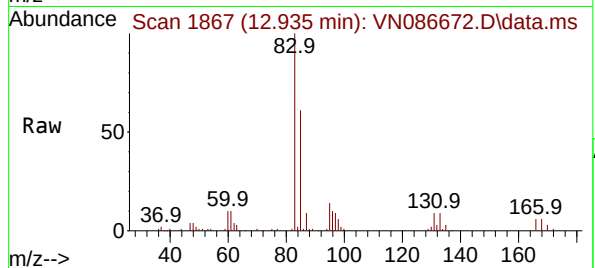
Tgt Ion: 43 Resp: 100018
Ion Ratio Lower Upper
43 100
70 47.1 37.9 56.9
55 25.7 20.5 30.7
61 26.4 21.7 32.5





#75
1,1,2-Tetrachloroethane
Concen: 21.374 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

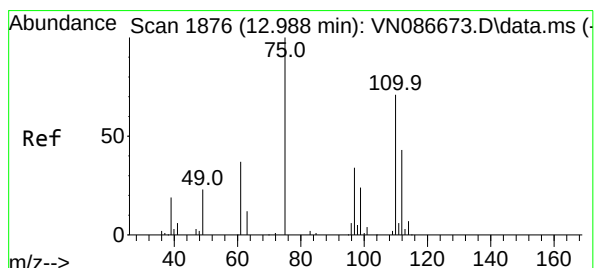
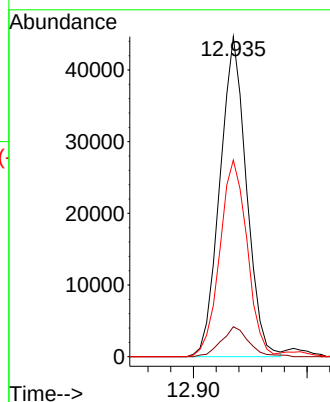
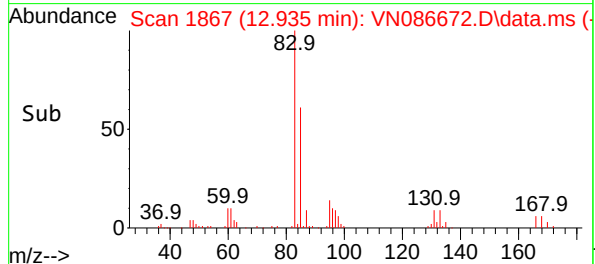
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 83 Resp: 72469
Ion Ratio Lower Upper
83 100
131 9.7 5.0 15.0
85 63.5 32.4 97.2

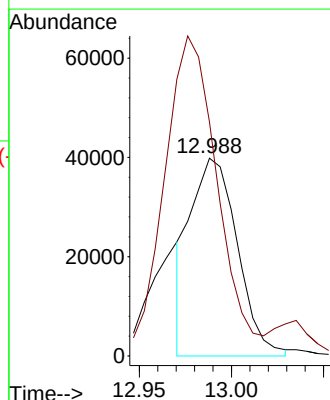
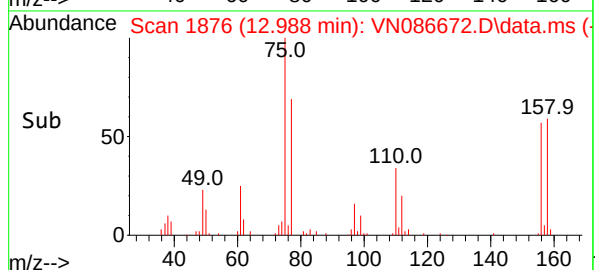
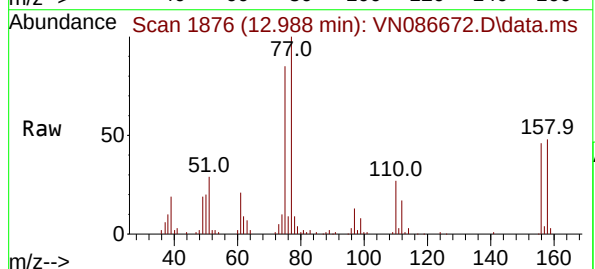
Manual Integrations
APPROVED

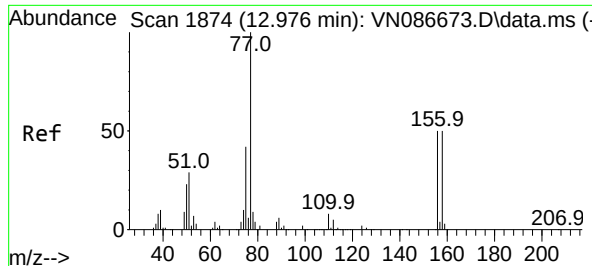
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#76
1,2,3-Trichloropropane
Concen: 20.815 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Tgt Ion: 75 Resp: 70466
Ion Ratio Lower Upper
75 100
77 183.8 96.0 288.1





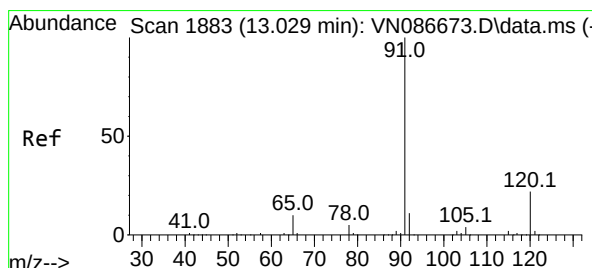
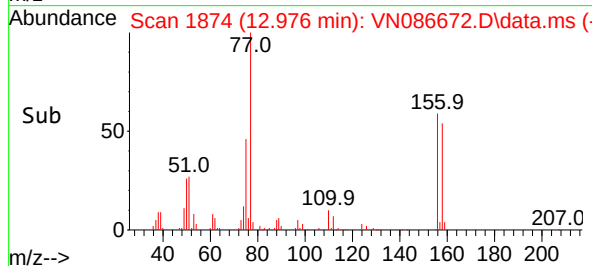
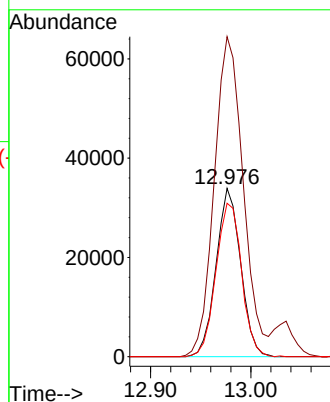
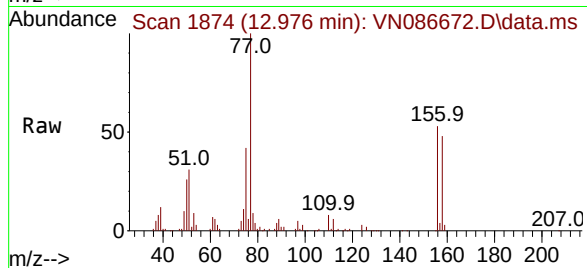
#77
Bromobenzene
Concen: 22.016 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 5760
Ion Ratio Lower Upper
156 100
77 224.8 113.1 339.2
158 95.4 48.6 145.9

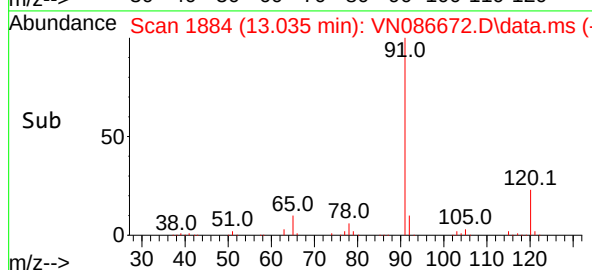
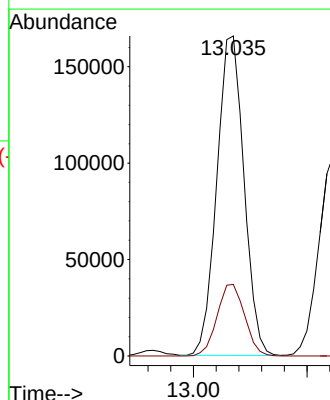
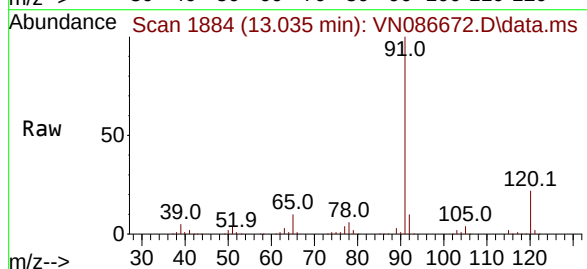
Manual Integrations
APPROVED

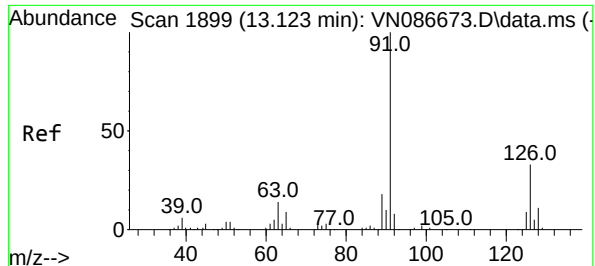
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#78
n-propylbenzene
Concen: 20.038 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Tgt Ion: 91 Resp: 274906
Ion Ratio Lower Upper
91 100
120 22.7 11.4 34.1





#79

2-Chlorotoluene

Concen: 20.369 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 175750

Ion Ratio Lower Upper

91 100

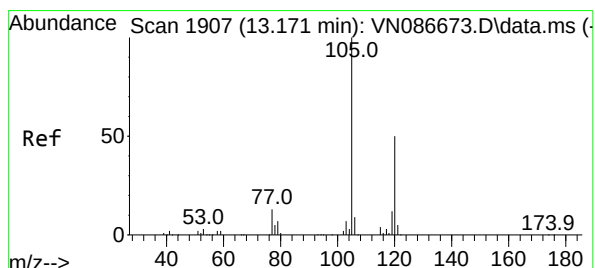
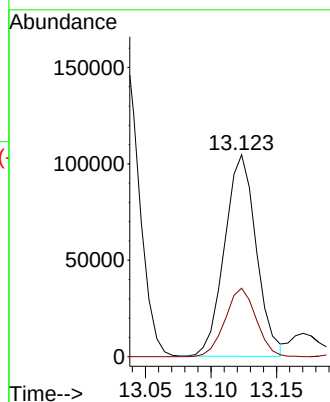
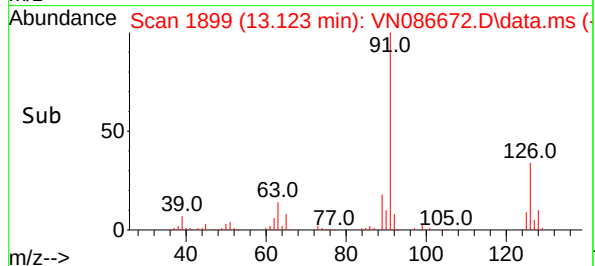
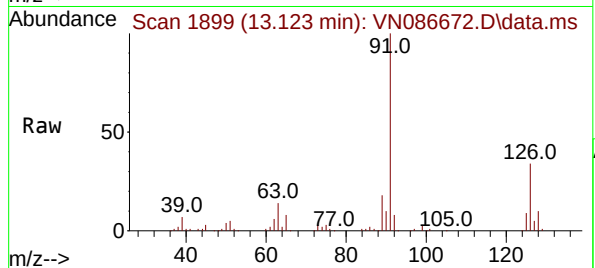
126 33.3 16.6 49.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#80

1,3,5-Trimethylbenzene

Concen: 20.048 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN086672.D

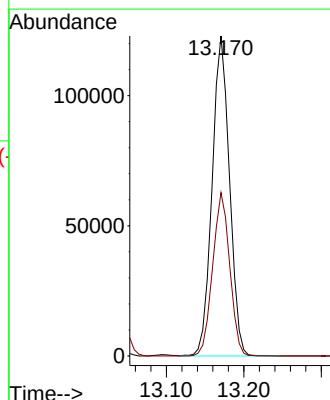
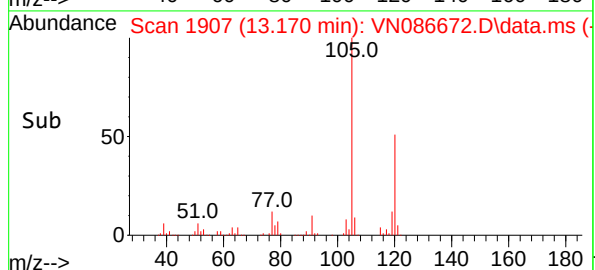
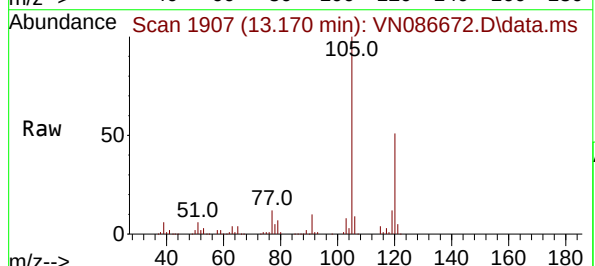
Acq: 16 May 2025 17:43

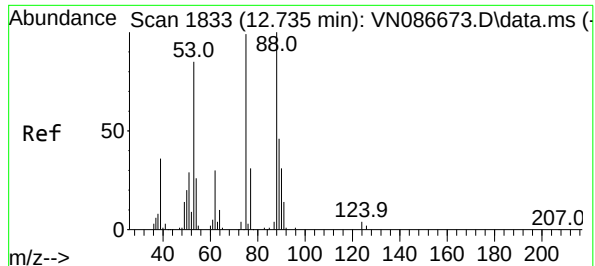
Tgt Ion:105 Resp: 191549

Ion Ratio Lower Upper

105 100

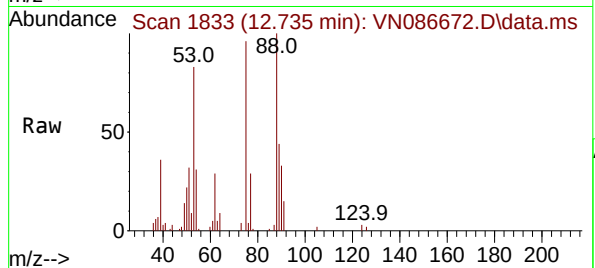
120 50.0 24.9 74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 20.670 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

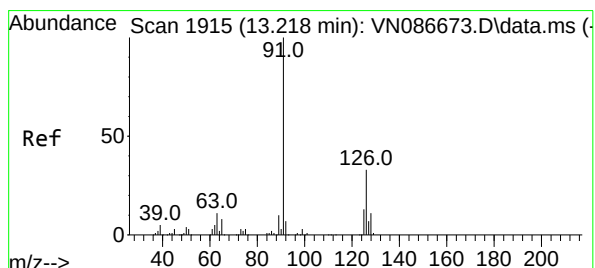
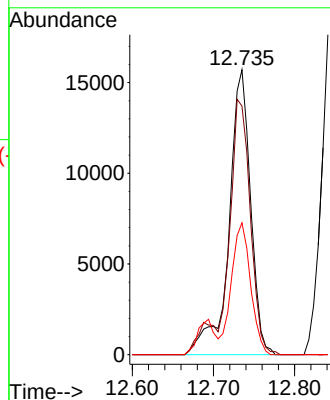
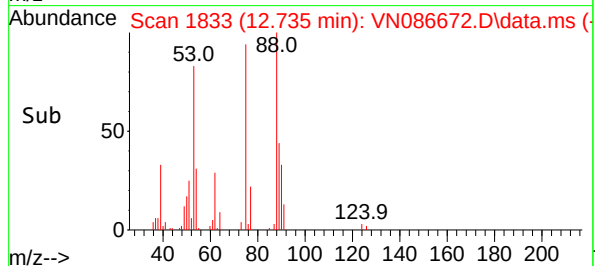
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 75 Resp: 2906
Ion Ratio Lower Upper
75 100
53 82.1 70.4 105.6
89 41.2 32.4 48.6

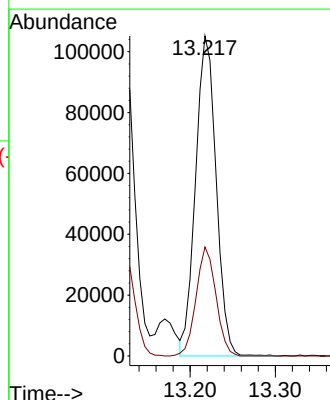
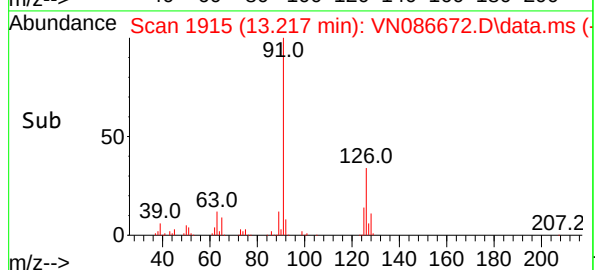
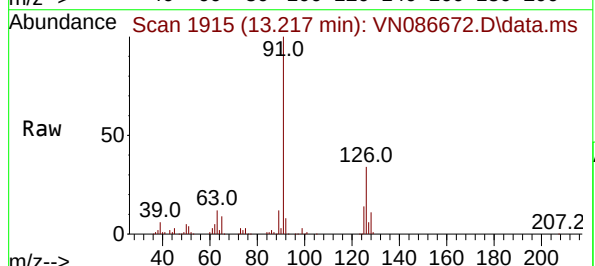
Manual Integrations
APPROVED

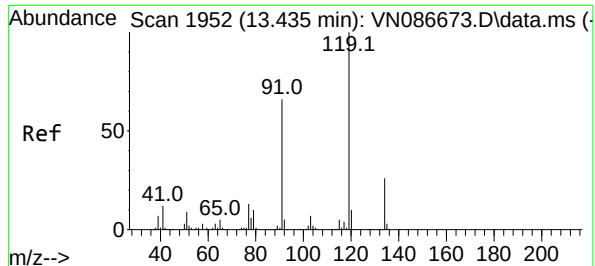
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#82
4-Chlorotoluene
Concen: 20.664 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

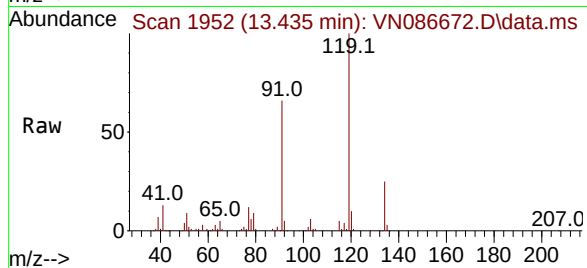
Tgt Ion: 91 Resp: 176501
Ion Ratio Lower Upper
91 100
126 32.8 17.0 50.9





#83
tert-Butylbenzene
Concen: 20.324 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

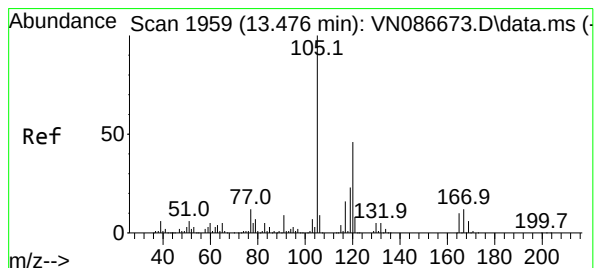
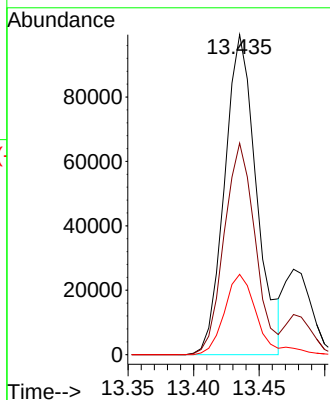
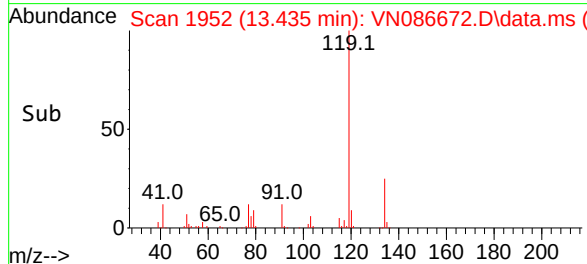
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



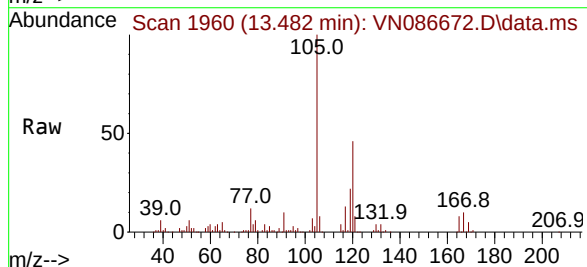
Tgt Ion:119 Resp: 168468
Ion Ratio Lower Upper
119 100
91 64.4 32.9 98.7
134 25.8 13.4 40.1

Manual Integrations
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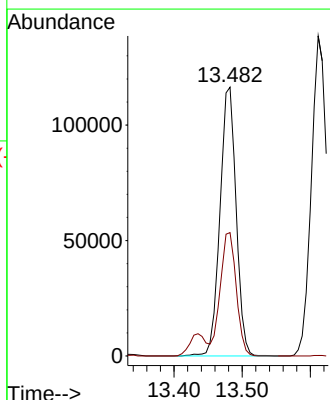
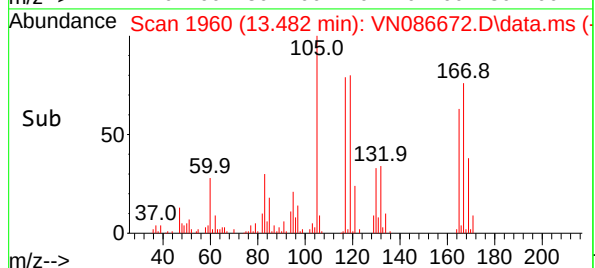
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

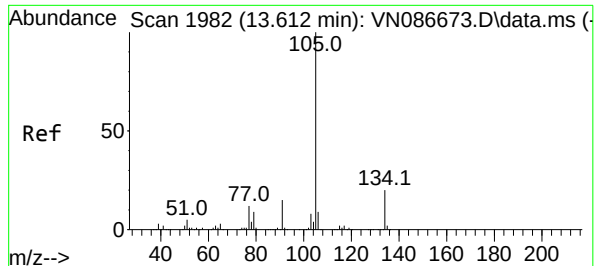


#84
1,2,4-Trimethylbenzene
Concen: 19.778 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43



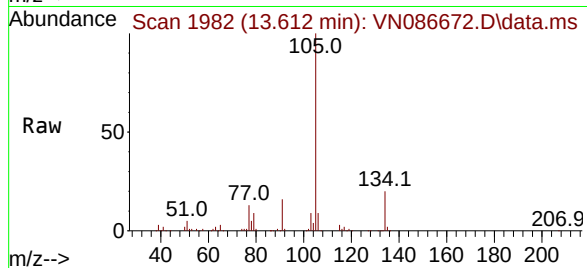
Tgt Ion:105 Resp: 192028
Ion Ratio Lower Upper
105 100
120 45.3 23.2 69.6





#85
sec-Butylbenzene
Concen: 19.574 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

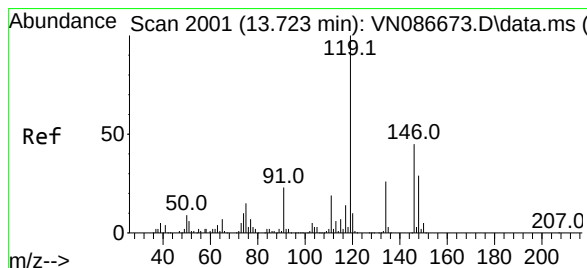
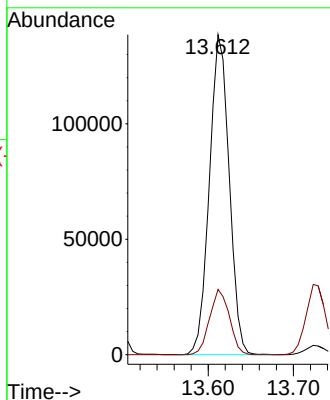
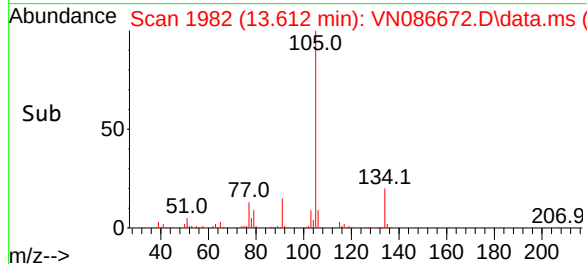
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



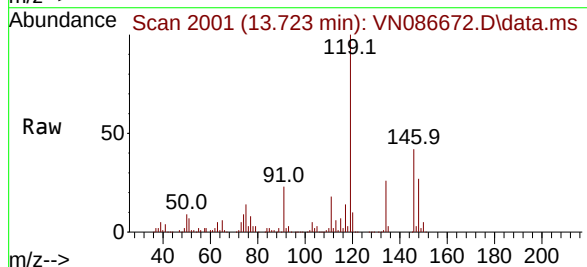
Tgt Ion:105 Resp: 22358
Ion Ratio Lower Upper
105 100
134 20.4 10.1 30.1

Manual Integrations
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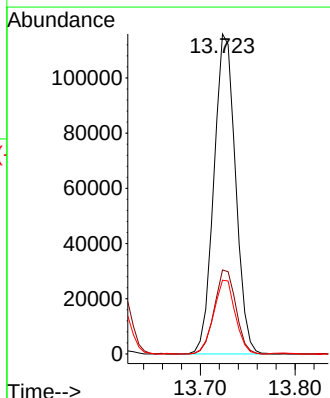
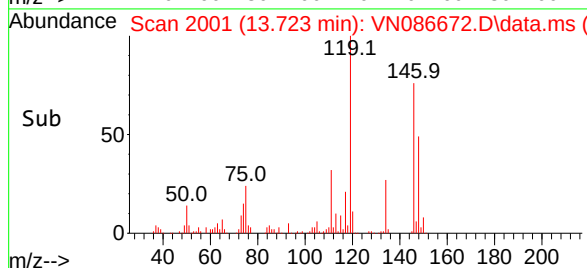
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

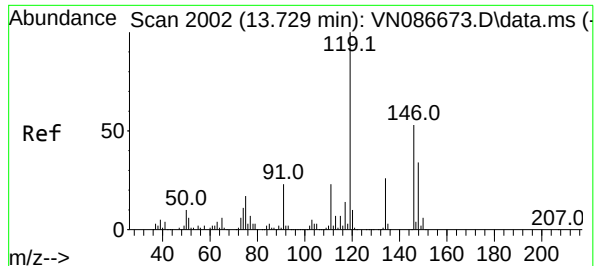


#86
p-Isopropyltoluene
Concen: 19.537 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43



Tgt Ion:119 Resp: 183908
Ion Ratio Lower Upper
119 100
134 26.2 13.1 39.1
91 23.1 11.5 34.5





#87

1,3-Dichlorobenzene

Concen: 20.377 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

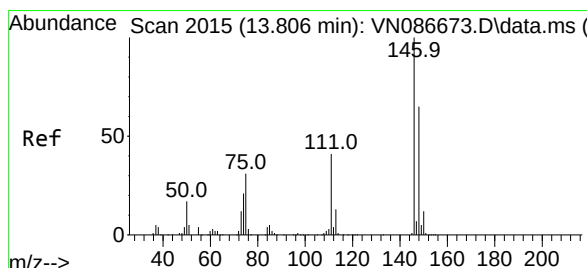
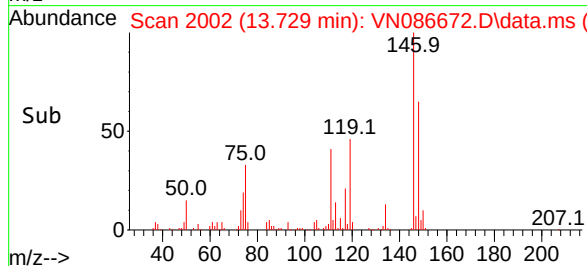
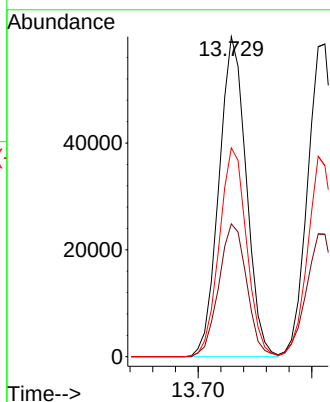
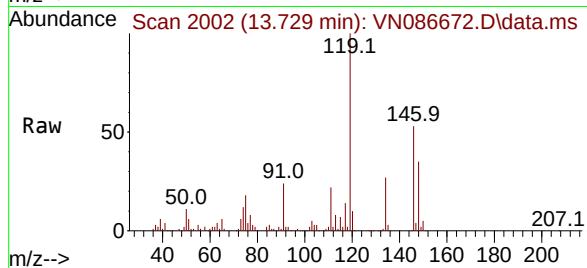
Tgt Ion:146	Resp:	99754
Ion Ratio	Lower	Upper
146	100	
111	42.5	20.9 62.7
148	65.5	31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#88

1,4-Dichlorobenzene

Concen: 20.473 ug/l

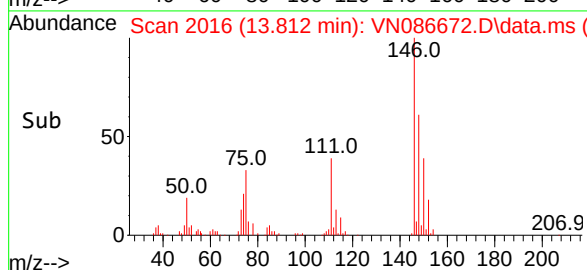
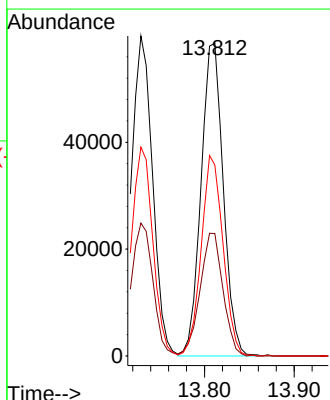
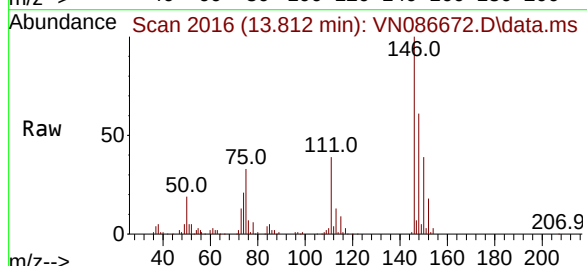
RT: 13.812 min Scan# 2016

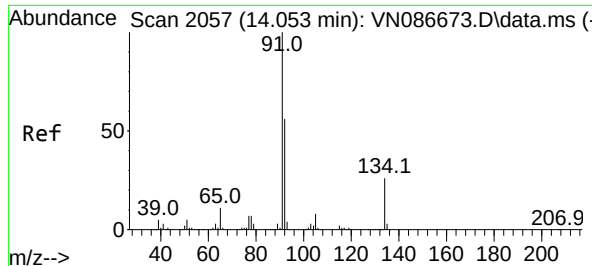
Delta R.T. 0.006 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

Tgt Ion:146	Resp:	100717
Ion Ratio	Lower	Upper
146	100	
111	40.5	20.6 61.8
148	63.0	32.0 96.0





#89

n-Butylbenzene

Concen: 18.306 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

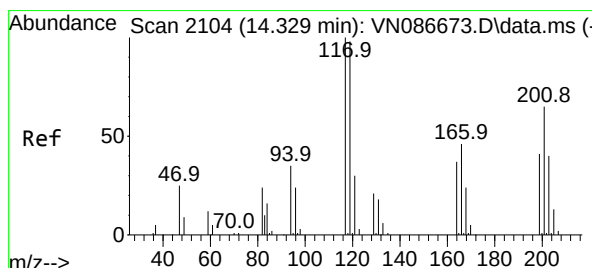
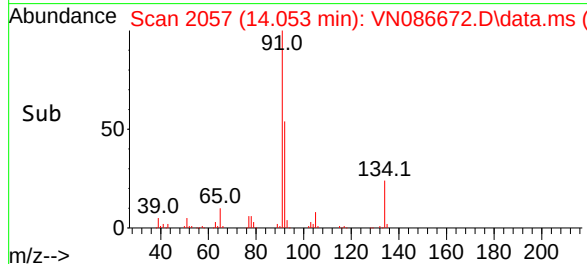
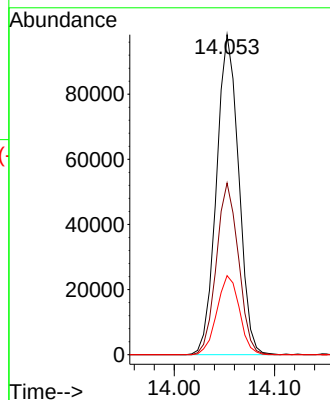
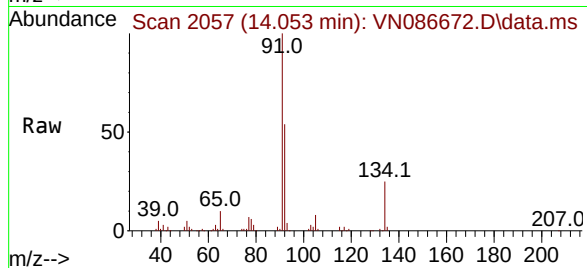
Tgt Ion:	91	Resp:	15127
Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.4	82.0
134	25.0	12.8	38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#90

Hexachloroethane

Concen: 19.092 ug/l

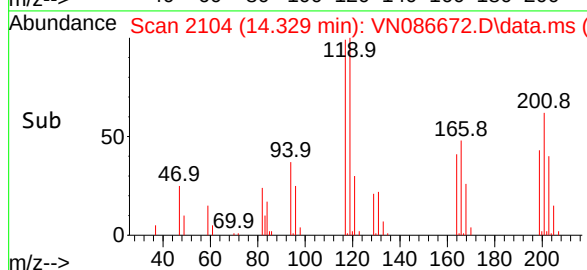
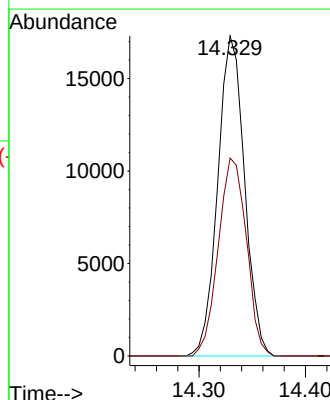
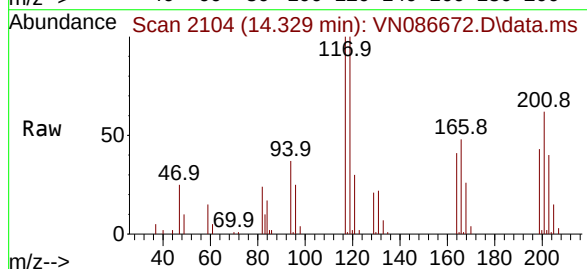
RT: 14.329 min Scan# 2104

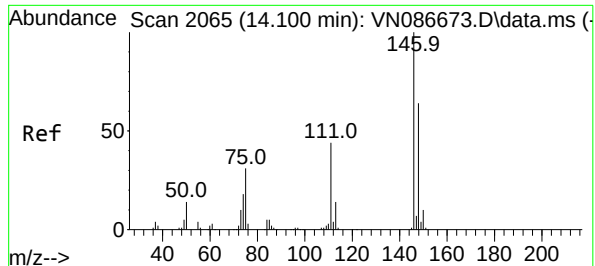
Delta R.T. -0.000 min

Lab File: VN086672.D

Acq: 16 May 2025 17:43

Tgt Ion:	117	Resp:	30231
Ion	Ratio	Lower	Upper
117	100		
201	64.9	32.0	96.0





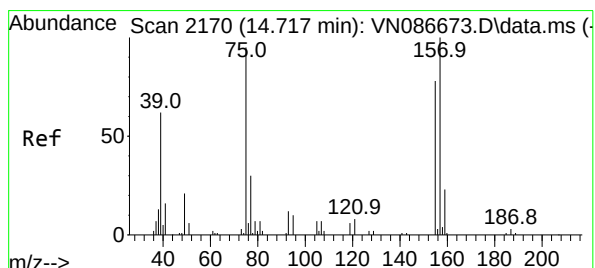
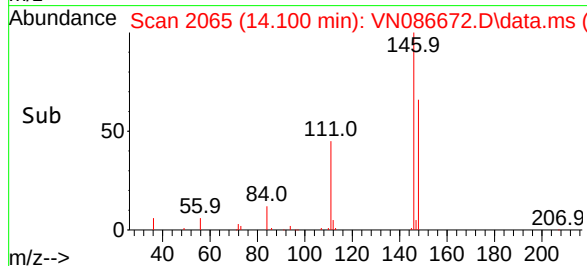
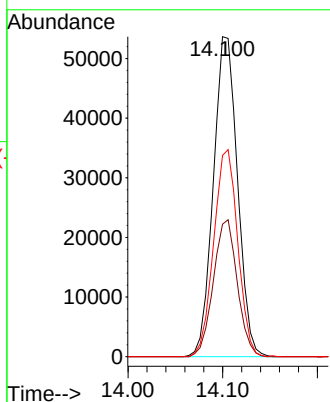
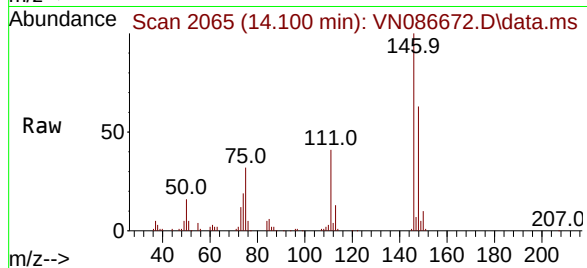
#91
1,2-Dichlorobenzene
Concen: 20.058 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:146 Resp: 95188
Ion Ratio Lower Upper
146 100
111 42.4 21.6 65.0
148 64.4 31.7 95.1

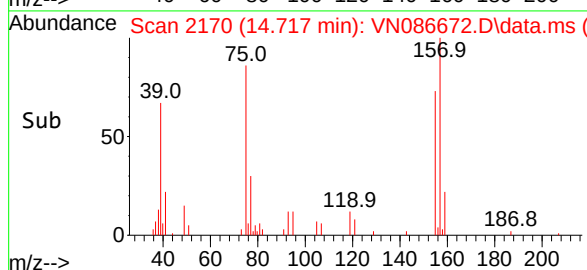
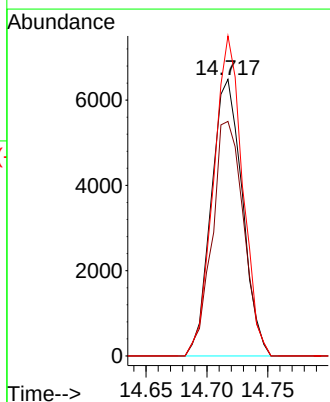
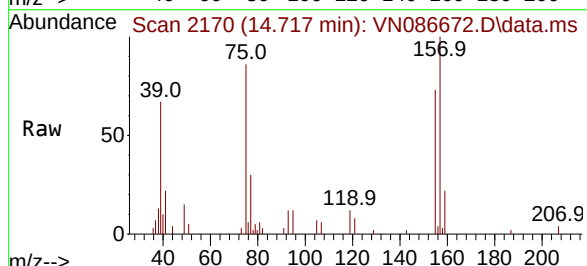
Manual Integrations
APPROVED

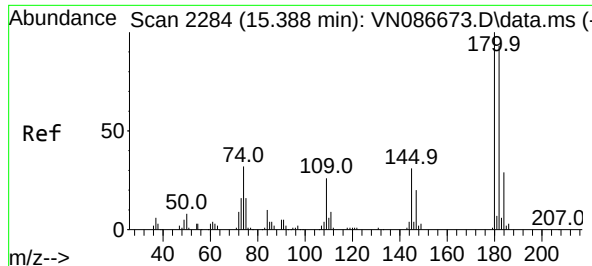
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 17.115 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

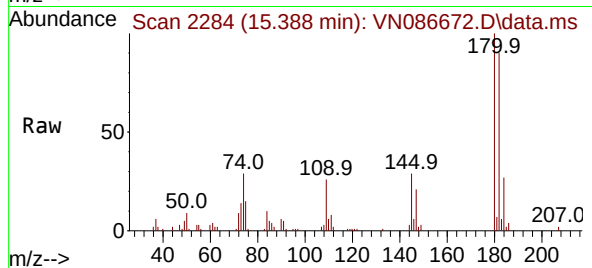
Tgt Ion: 75 Resp: 11492
Ion Ratio Lower Upper
75 100
155 86.1 40.5 121.5
157 108.8 53.6 160.8





#93
1,2,4-Trichlorobenzene
Concen: 18.515 ug/l
RT: 15.388 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

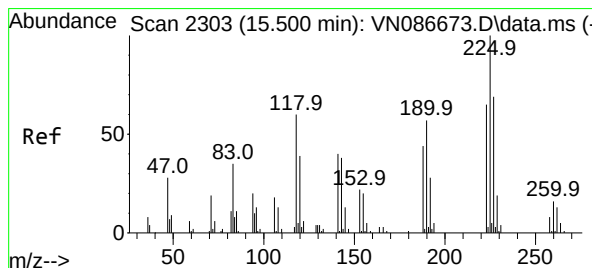
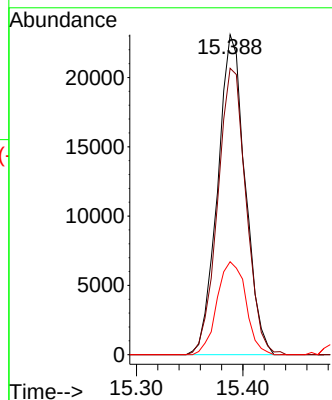
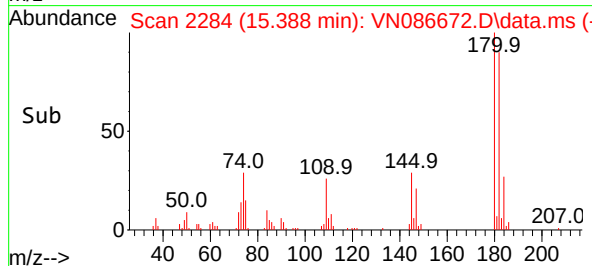
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion:180 Resp: 4141
Ion Ratio Lower Upper
180 100
182 92.1 47.1 141.3
145 30.3 15.6 46.8

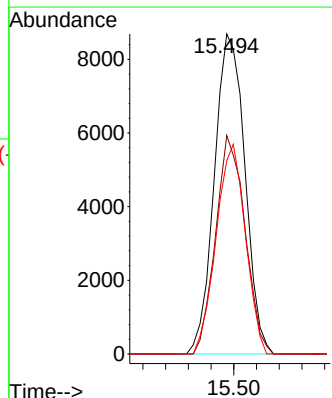
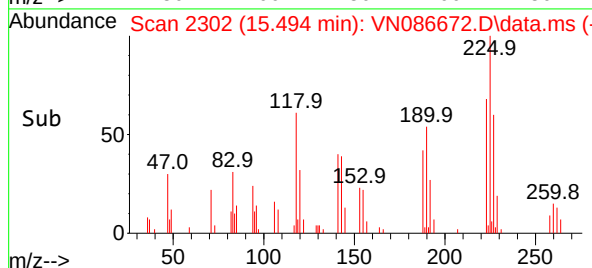
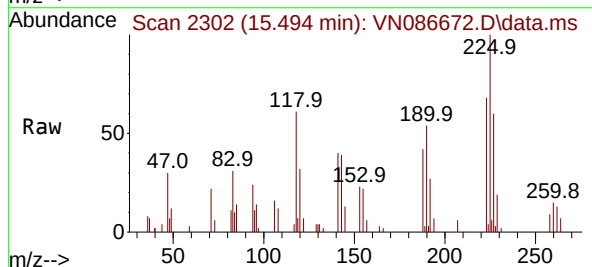
Manual Integrations
APPROVED

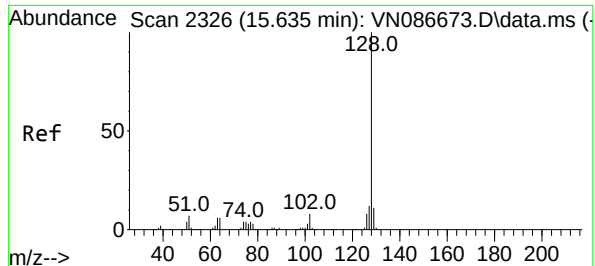
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#94
Hexachlorobutadiene
Concen: 19.071 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

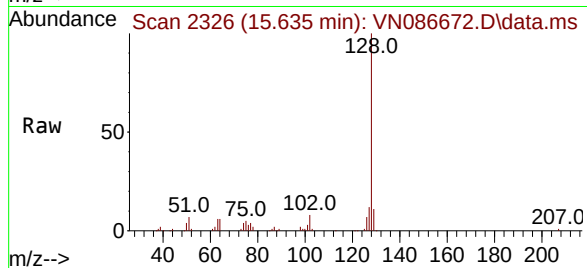
Tgt Ion:225 Resp: 16213
Ion Ratio Lower Upper
225 100
223 65.7 32.9 98.6
227 62.6 32.4 97.2





#95
Naphthalene
Concen: 17.571 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

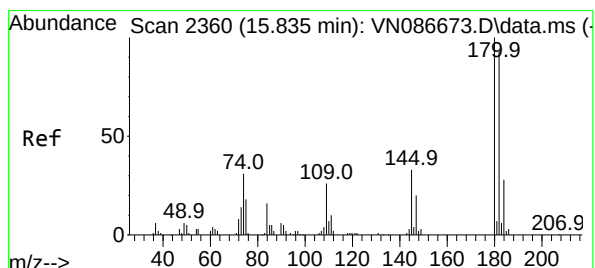
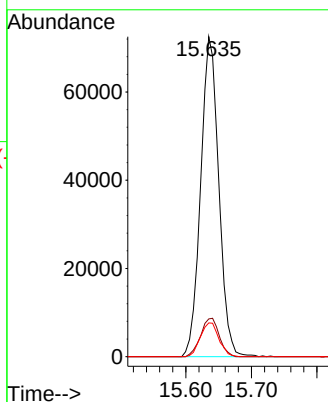
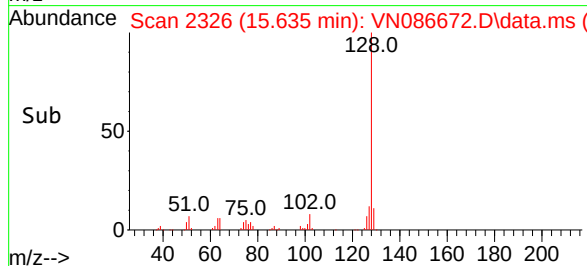
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion:128 Resp: 13949
Ion Ratio Lower Upper
128 100
127 12.4 10.1 15.1
129 10.8 8.6 13.0

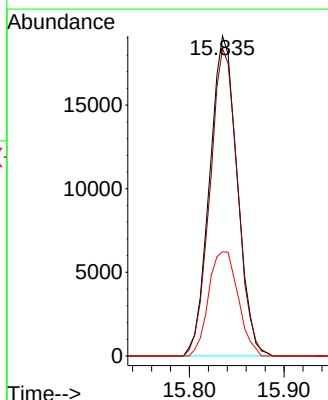
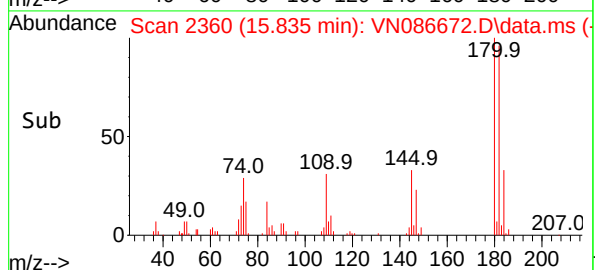
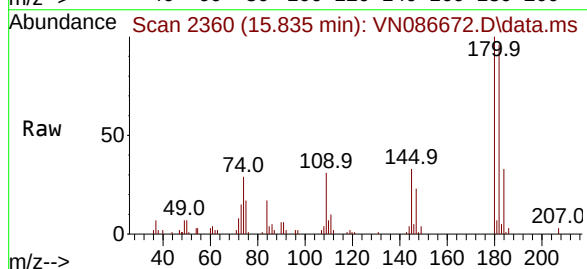
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.236 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086672.D
Acq: 16 May 2025 17:43

Tgt Ion:180 Resp: 38790
Ion Ratio Lower Upper
180 100
182 95.9 47.0 141.2
145 34.7 16.7 50.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
 Data File : VN086673.D
 Acq On : 16 May 2025 18:08
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2025
 Supervised By : Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:16:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:09:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	200680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	366335	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	333195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	159539	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	139132	48.157	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.320%		
35) Dibromofluoromethane	8.165	113	109307	59.961	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	119.920%		
50) Toluene-d8	10.565	98	458089	50.416	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.840%		
62) 4-Bromofluorobenzene	12.847	95	164814	49.931	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.860%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	120236	50.424	ug/l	100
3) Chloromethane	2.359	50	156934	45.149	ug/l	100
4) Vinyl Chloride	2.512	62	151154	46.165	ug/l	100
5) Bromomethane	2.942	94	80874	53.143	ug/l	100
6) Chloroethane	3.112	64	93444	42.763	ug/l	100
7) Trichlorofluoromethane	3.495	101	176535	48.159	ug/l	100
8) Diethyl Ether	3.959	74	72328	45.601	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	106022	47.918	ug/l	100
10) Methyl Iodide	4.583	142	130592	52.819	ug/l	100
11) Tert butyl alcohol	5.518	59	122272	231.093	ug/l	100
12) 1,1-Dichloroethene	4.336	96	109886	46.567	ug/l	100
13) Acrolein	4.177	56	134375	372.708	ug/l	100
14) Allyl chloride	5.018	41	165431	40.065	ug/l	100
15) Acrylonitrile	5.718	53	312458	238.782	ug/l	100
16) Acetone	4.424	43	243902	210.585	ug/l	100
17) Carbon Disulfide	4.712	76	309553	43.833	ug/l	100
18) Methyl Acetate	5.018	43	132976	38.953	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	383825	44.540	ug/l	100
20) Methylene Chloride	5.271	84	126581	46.913	ug/l	100
21) trans-1,2-Dichloroethene	5.783	96	115816	46.868	ug/l	100
22) Diisopropyl ether	6.665	45	385688	42.813	ug/l	100
23) Vinyl Acetate	6.600	43	1462943	229.724	ug/l	100
24) 1,1-Dichloroethane	6.571	63	221538	46.174	ug/l	100
25) 2-Butanone	7.477	43	402916	224.413	ug/l	100
26) 2,2-Dichloropropane	7.489	77	178757	42.029	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	142862	46.629	ug/l	100
28) Bromochloromethane	7.812	49	101861	49.651	ug/l	100
29) Tetrahydrofuran	7.836	42	265547	221.224	ug/l	100
30) Chloroform	7.959	83	219404	46.418	ug/l	100
31) Cyclohexane	8.253	56	197288	42.429	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	189597	46.845	ug/l	100
36) 1,1-Dichloropropene	8.365	75	159488	47.088	ug/l	100
37) Ethyl Acetate	7.559	43	159707	44.832	ug/l	100
38) Carbon Tetrachloride	8.359	117	157560	48.589	ug/l	100
39) Methylcyclohexane	9.600	83	176457	44.277	ug/l	100
40) Benzene	8.606	78	513727	47.252	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
 Data File : VN086673.D
 Acq On : 16 May 2025 18:08
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2025
 Supervised By : Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:16:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:09:38 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	87794	42.982	ug/l	100
42) 1,2-Dichloroethane	8.665	62	160313	46.310	ug/l	100
43) Isopropyl Acetate	8.688	43	282433	33.201	ug/l	100
44) Trichloroethene	9.347	130	125647	48.612	ug/l	100
45) 1,2-Dichloropropane	9.618	63	122982	46.461	ug/l	100
46) Dibromomethane	9.706	93	83377	49.113	ug/l	100
47) Bromodichloromethane	9.883	83	172626	47.166	ug/l	100
48) Methyl methacrylate	9.677	41	128661	41.698	ug/l	100
49) 1,4-Dioxane	9.694	88	54709	1002.364	ug/l	100
51) 4-Methyl-2-Pentanone	10.441	43	825673	228.029	ug/l	100
52) Toluene	10.630	92	324906	47.903	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	188352	46.497	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	200078	44.899	ug/l	100
55) 1,1,2-Trichloroethane	11.012	97	117677	48.104	ug/l	100
56) Ethyl methacrylate	10.871	69	204115	45.731	ug/l	100
57) 1,3-Dichloropropane	11.159	76	205784	47.516	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	473490	225.901	ug/l	100
59) 2-Hexanone	11.194	43	609102	226.589	ug/l	100
60) Dibromochloromethane	11.359	129	127861	47.766	ug/l	100
61) 1,2-Dibromoethane	11.465	107	122201	49.356	ug/l	100
64) Tetrachloroethene	11.100	164	122991	48.018	ug/l	100
65) Chlorobenzene	11.888	112	353206	47.433	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	116442	47.425	ug/l	100
67) Ethyl Benzene	11.959	91	621554	46.525	ug/l	100
68) m/p-Xylenes	12.065	106	477853	95.244	ug/l	100
69) o-Xylene	12.394	106	240345	48.249	ug/l	100
70) Styrene	12.406	104	399975	48.396	ug/l	100
71) Bromoform	12.576	173	86917	47.062	ug/l #	100
73) Isopropylbenzene	12.694	105	564854	43.614	ug/l	100
74) N-amyl acetate	12.488	43	240871	37.908	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	168088	44.680	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	165513m	44.062	ug/l	
77) Bromobenzene	12.976	156	139072	47.906	ug/l	100
78) n-propylbenzene	13.029	91	669285	43.966	ug/l	100
79) 2-Chlorotoluene	13.123	91	425476	44.441	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	467786	44.125	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	71696	45.952	ug/l	100
82) 4-Chlorotoluene	13.218	91	423764	44.713	ug/l	100
83) tert-Butylbenzene	13.435	119	398675	43.347	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	475848	44.171	ug/l	100
85) sec-Butylbenzene	13.612	105	551208	43.492	ug/l	100
86) p-Isopropyltoluene	13.723	119	462804	44.309	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	255624	47.060	ug/l	100
88) 1,4-Dichlorobenzene	13.806	146	252548	46.266	ug/l	100
89) n-Butylbenzene	14.053	91	389739	42.505	ug/l	100
90) Hexachloroethane	14.329	117	75794	43.139	ug/l	100
91) 1,2-Dichlorobenzene	14.100	146	247292	46.963	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	32007	42.959	ug/l	100
93) 1,2,4-Trichlorobenzene	15.388	180	109515	44.128	ug/l	100
94) Hexachlorobutadiene	15.500	225	41916	44.437	ug/l	100
95) Naphthalene	15.635	128	385716	43.787	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	104176	44.139	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086673.D
Acq On : 16 May 2025 18:08
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:16:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration

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

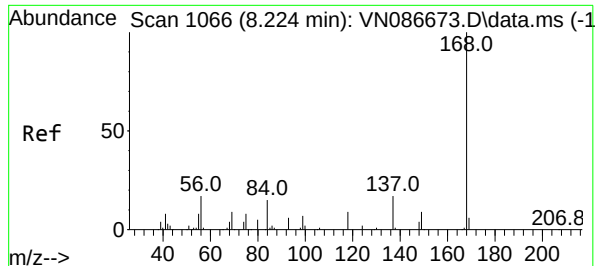
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

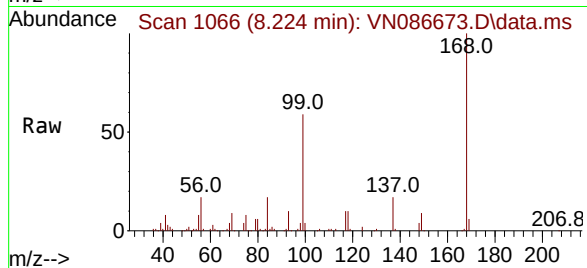
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

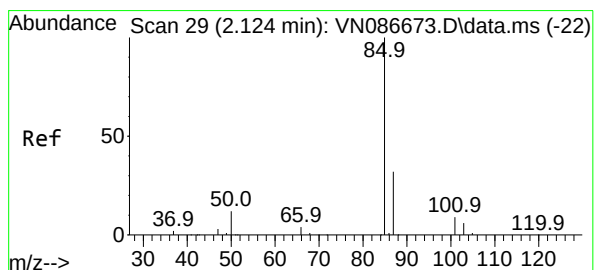
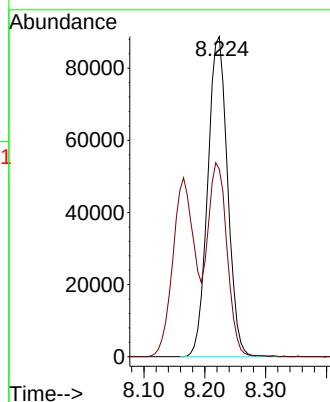
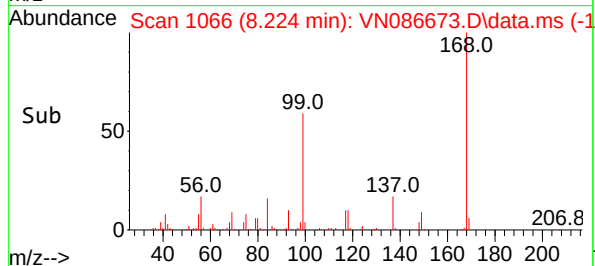
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:168 Resp: 200680
Ion Ratio Lower Upper
168 100
99 58.7 47.0 70.4

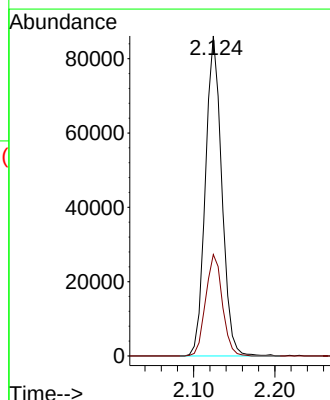
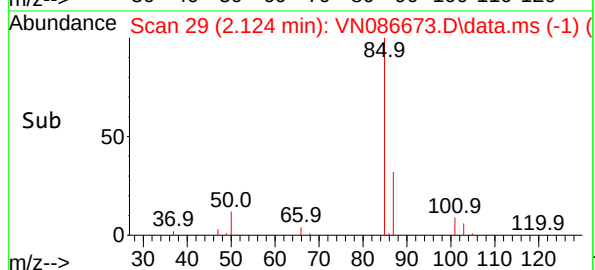
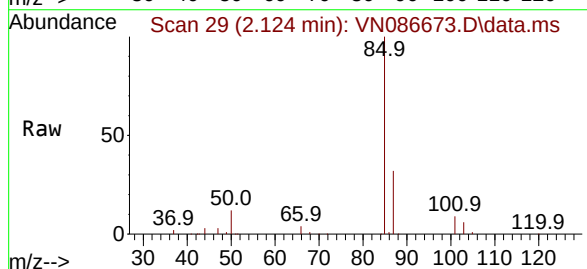
Manual Integrations
APPROVED

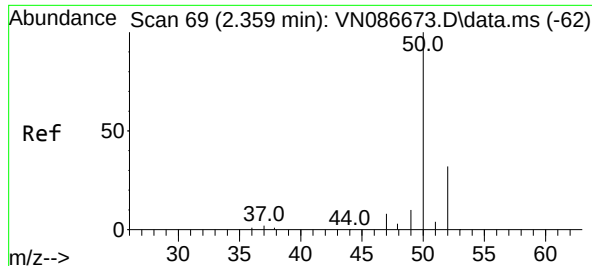
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#2
Dichlorodifluoromethane
Concen: 50.424 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Tgt Ion: 85 Resp: 120236
Ion Ratio Lower Upper
85 100
87 31.7 15.9 47.6





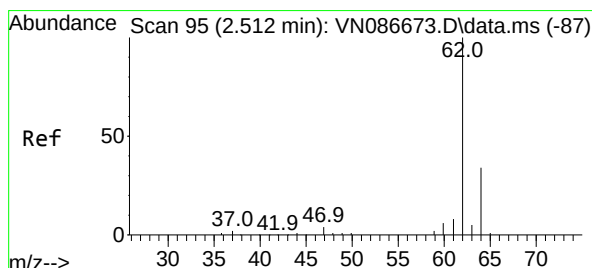
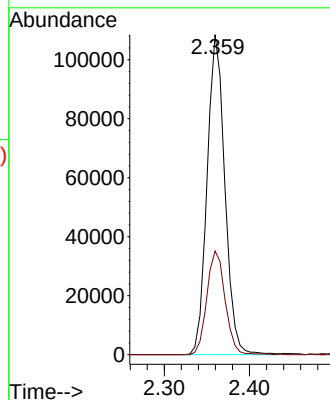
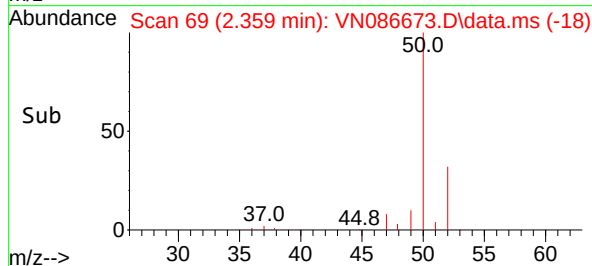
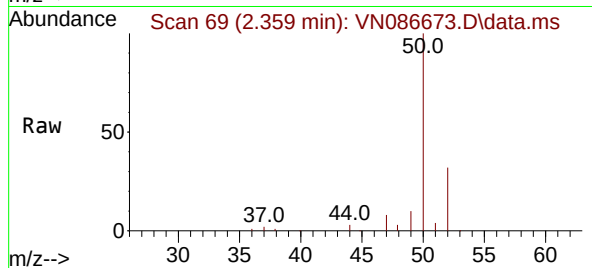
#3
Chloromethane
Concen: 45.149 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 156934
Ion Ratio Lower Upper
50 100
52 32.4 25.9 38.9

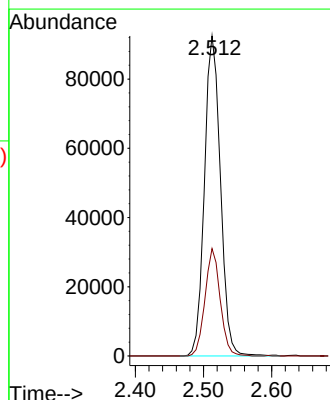
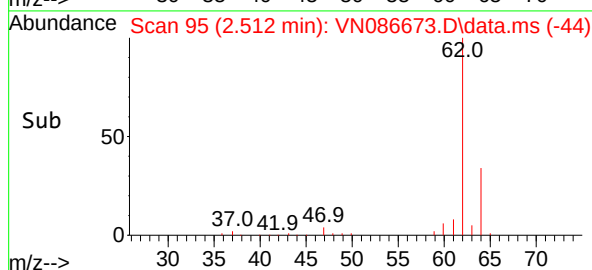
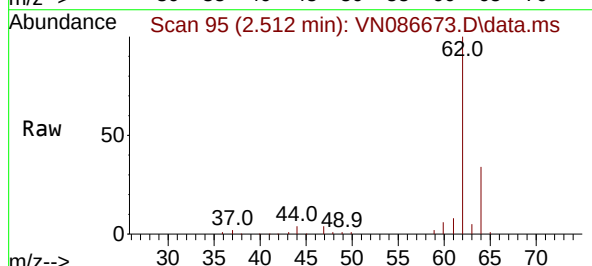
Manual Integrations
APPROVED

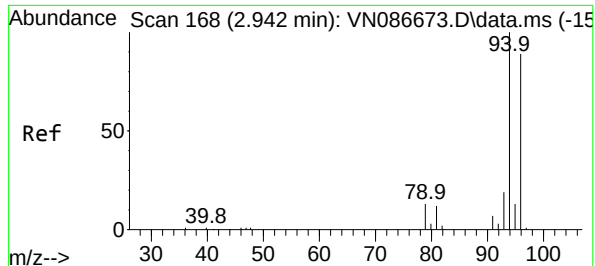
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#4
Vinyl Chloride
Concen: 46.165 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Tgt Ion: 62 Resp: 151154
Ion Ratio Lower Upper
62 100
64 33.6 26.9 40.3





#5

Bromomethane

Concen: 53.143 ug/l

RT: 2.942 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 94 Resp: 80874

Ion Ratio Lower Upper

94 100

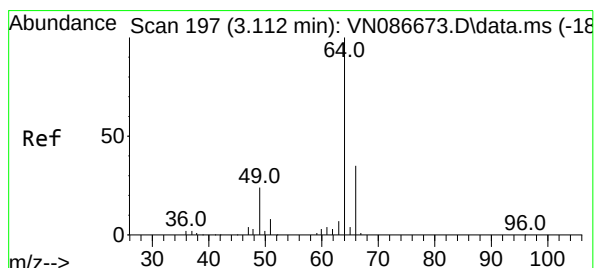
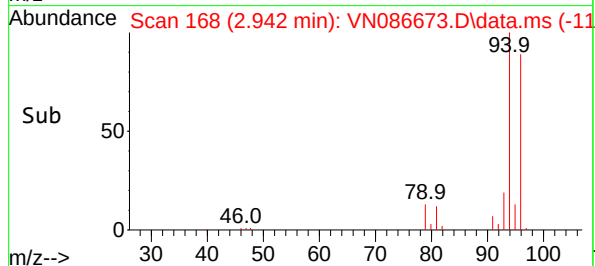
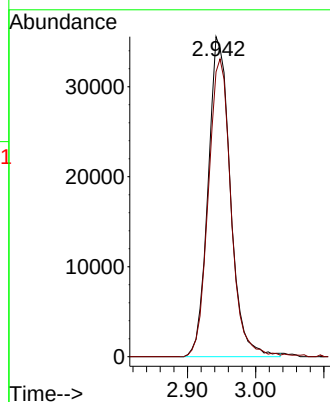
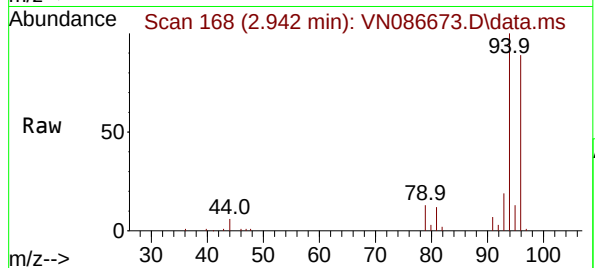
96 89.0 71.2 106.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#6

Chloroethane

Concen: 42.763 ug/l

RT: 3.112 min Scan# 197

Delta R.T. 0.000 min

Lab File: VN086673.D

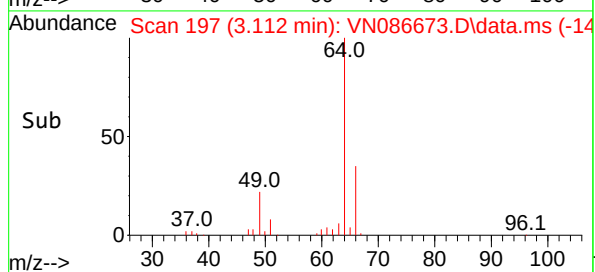
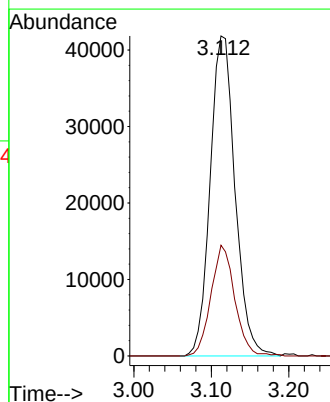
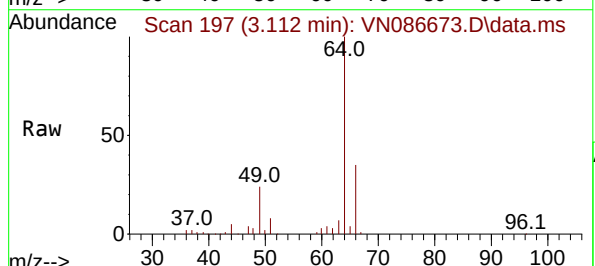
Acq: 16 May 2025 18:08

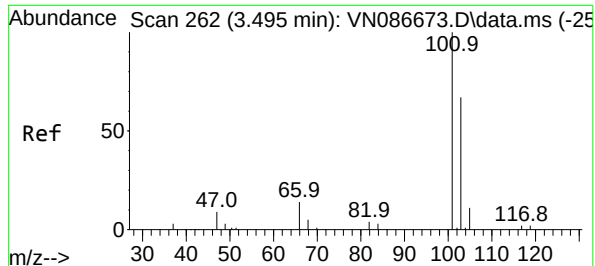
Tgt Ion: 64 Resp: 93444

Ion Ratio Lower Upper

64 100

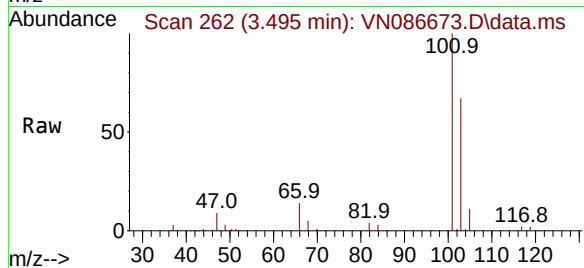
66 34.6 27.7 41.5





#7
Trichlorofluoromethane
Concen: 48.159 ug/l
RT: 3.495 min Scan# 262
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

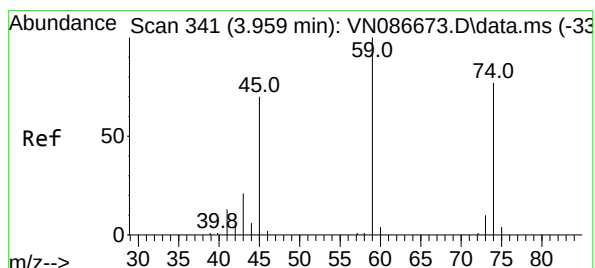
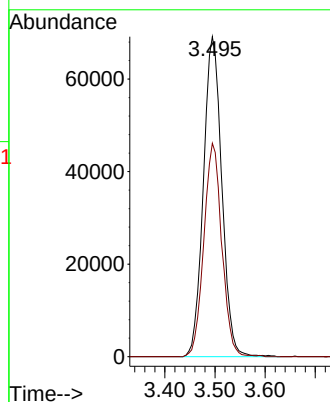
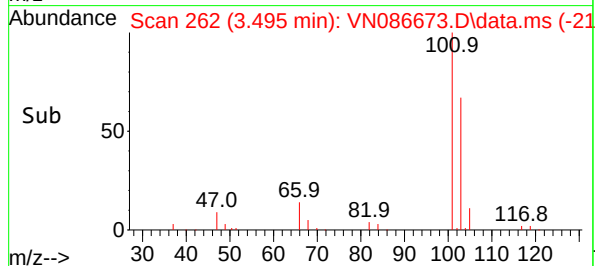
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:101 Resp: 17653
Ion Ratio Lower Upper
101 100
103 66.7 53.4 80.0

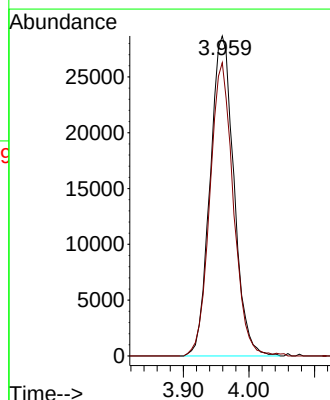
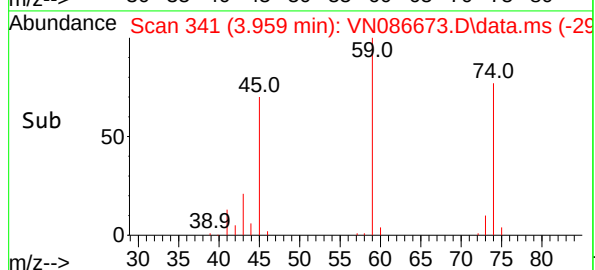
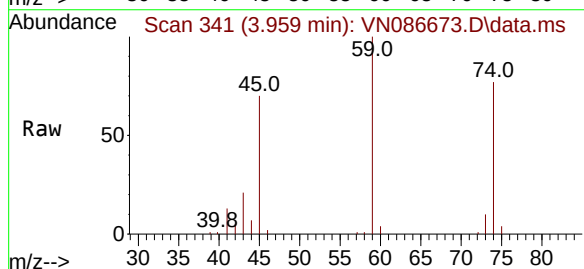
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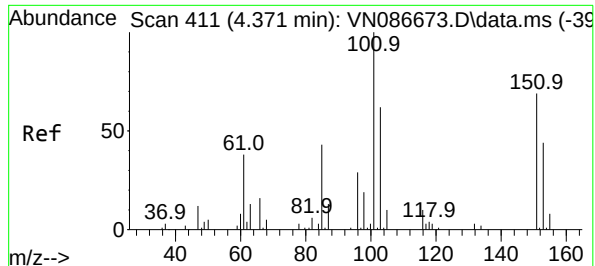
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#8
Diethyl Ether
Concen: 45.601 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Tgt Ion: 74 Resp: 72328
Ion Ratio Lower Upper
74 100
45 90.0 45.0 135.0





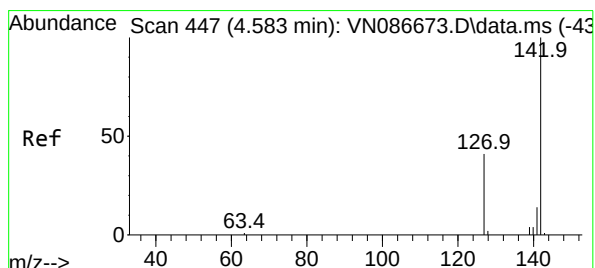
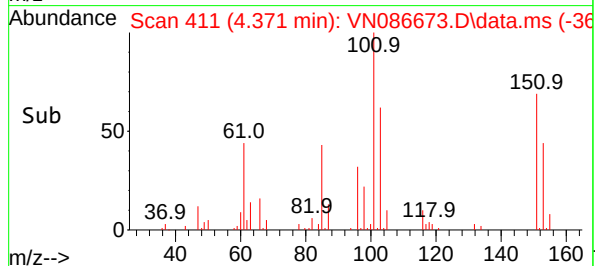
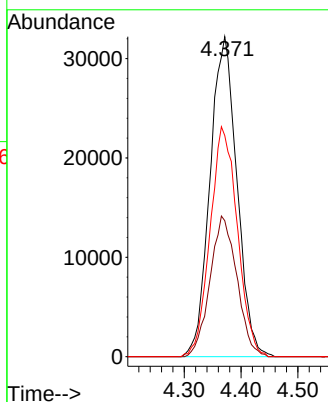
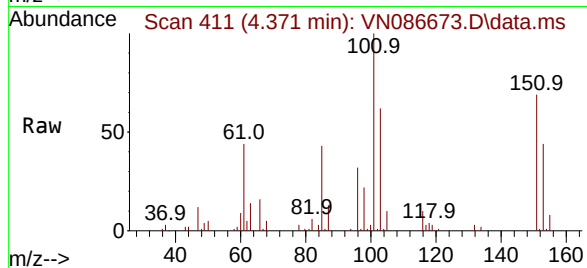
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.918 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 10602
Ion Ratio Lower Upper
101 100
85 43.8 35.0 52.6
151 72.6 58.1 87.1

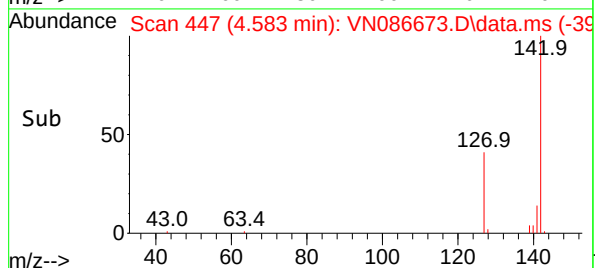
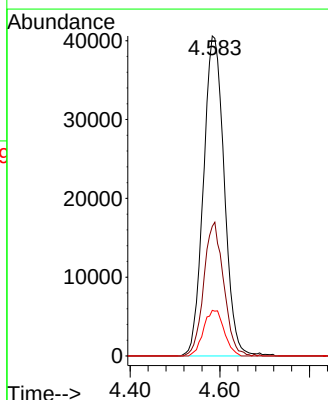
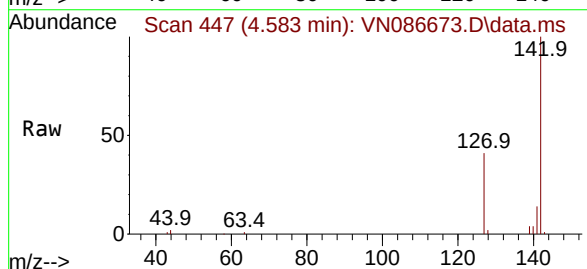
Manual Integrations
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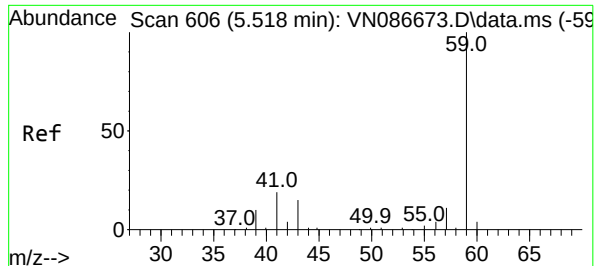
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#10
Methyl Iodide
Concen: 52.819 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Tgt Ion:142 Resp: 130592
Ion Ratio Lower Upper
142 100
127 40.5 32.4 48.6
141 14.3 11.4 17.2





#11

Tert butyl alcohol

Concen: 231.093 ug/l

RT: 5.518 min Scan# 606

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 122272

Ion Ratio Lower Upper

59 100

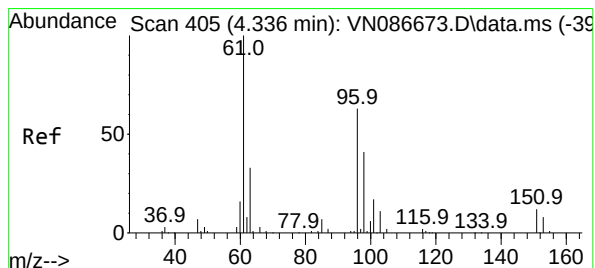
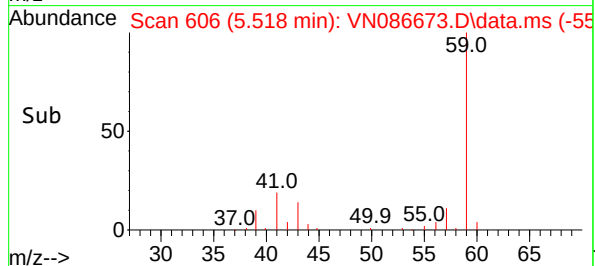
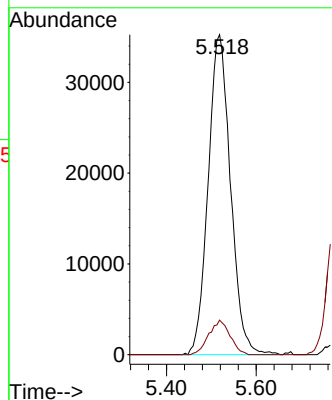
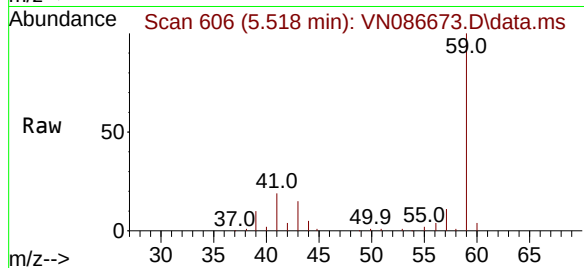
57 10.2 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#12

1,1-Dichloroethene

Concen: 46.567 ug/l

RT: 4.336 min Scan# 405

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

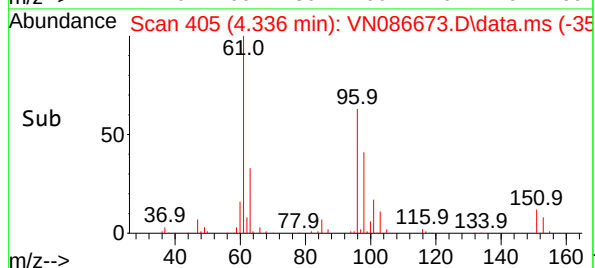
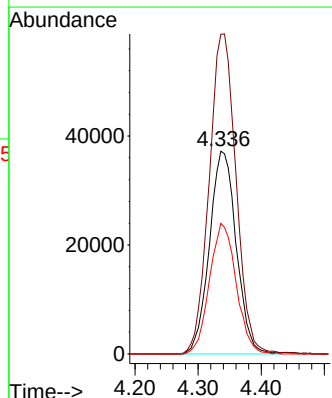
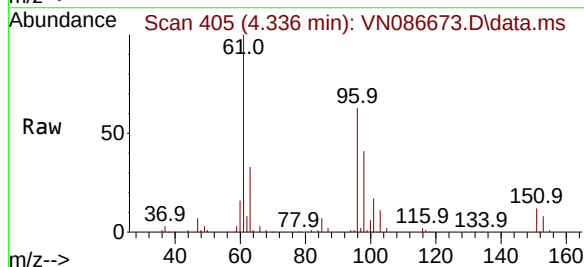
Tgt Ion: 96 Resp: 109886

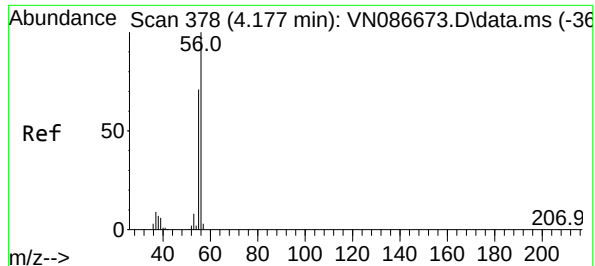
Ion Ratio Lower Upper

96 100

61 157.7 126.2 189.2

98 64.4 51.5 77.3





#13

Acrolein

Concen: 372.708 ug/l

RT: 4.177 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 134375

Ion Ratio Lower Upper

56 100

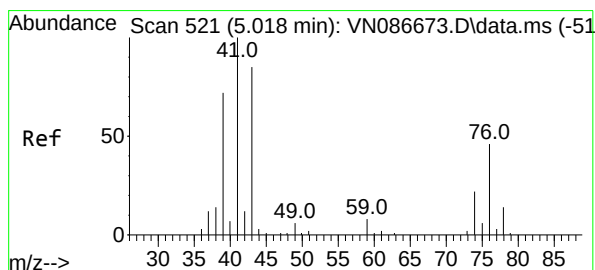
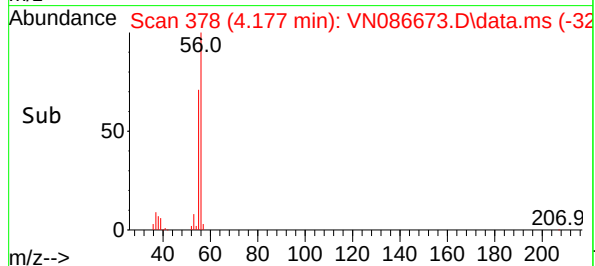
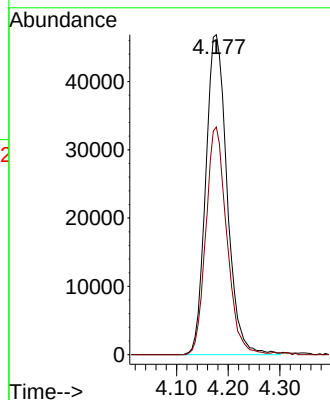
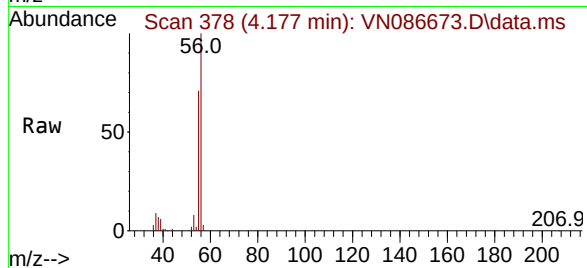
55 69.6 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#14

Allyl chloride

Concen: 40.065 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

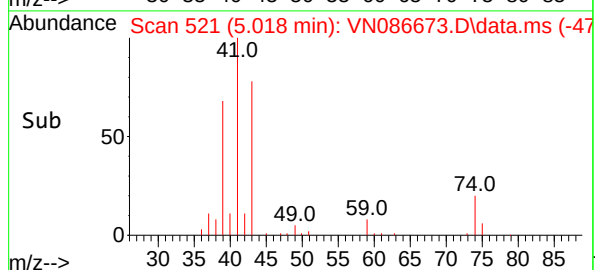
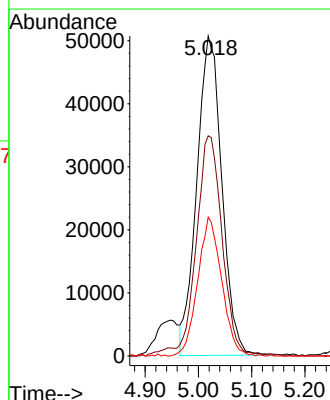
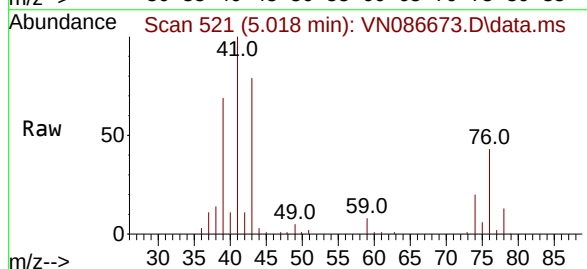
Tgt Ion: 41 Resp: 165431

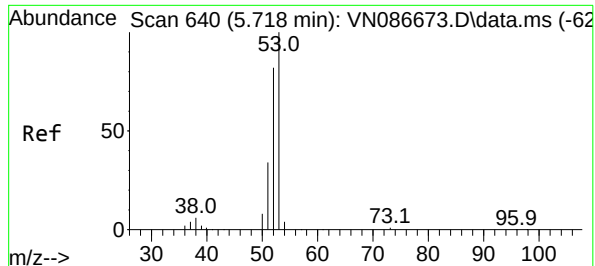
Ion Ratio Lower Upper

41 100

39 71.7 57.4 86.0

76 41.5 33.2 49.8





#15

Acrylonitrile

Concen: 238.782 ug/l

RT: 5.718 min Scan# 640

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 53 Resp: 312458

Ion Ratio Lower Upper

53 100

52 81.8 65.4 98.2

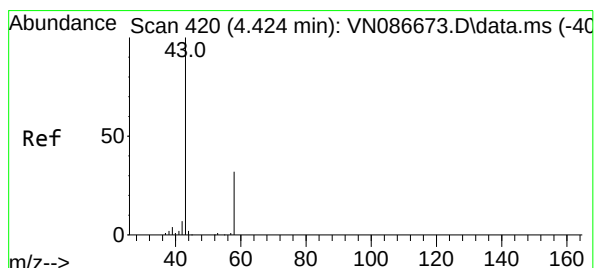
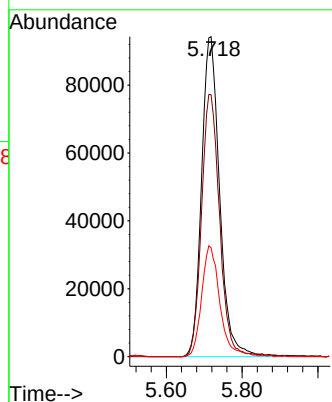
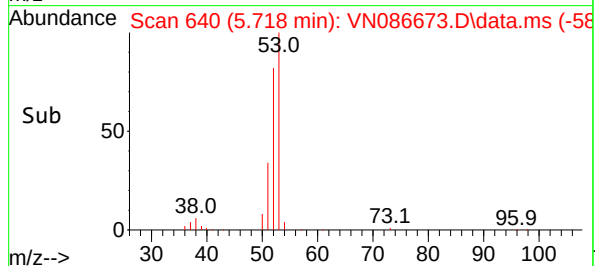
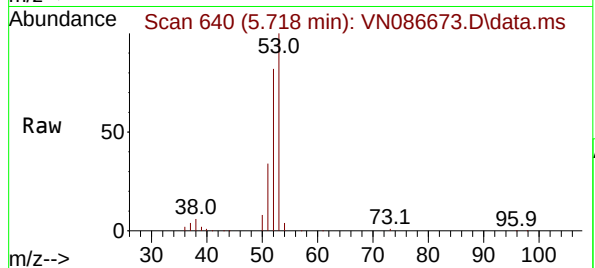
51 34.9 27.9 41.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#16

Acetone

Concen: 210.585 ug/l

RT: 4.424 min Scan# 420

Delta R.T. 0.000 min

Lab File: VN086673.D

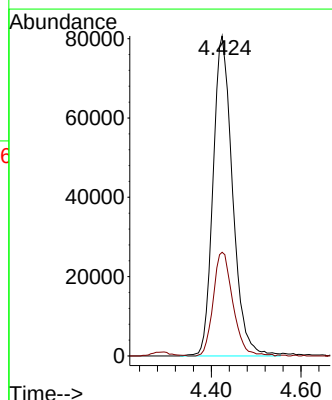
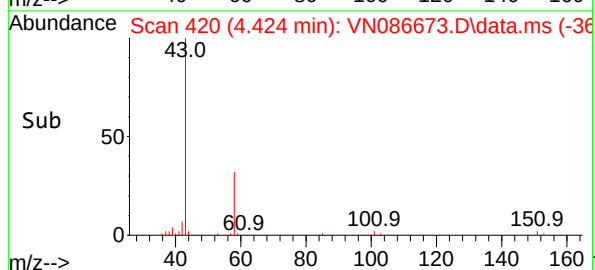
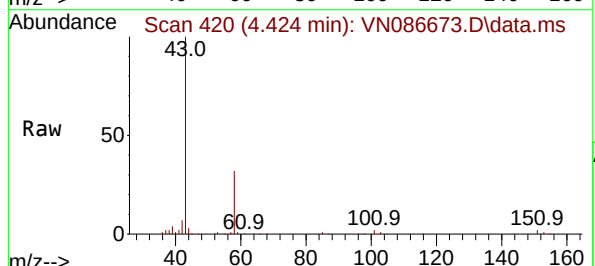
Acq: 16 May 2025 18:08

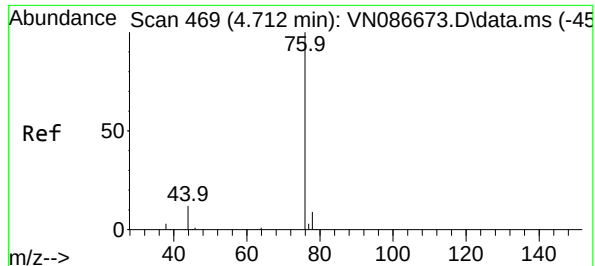
Tgt Ion: 43 Resp: 243902

Ion Ratio Lower Upper

43 100

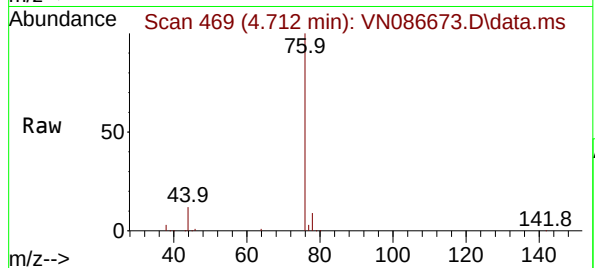
58 32.2 25.8 38.6





#17
Carbon Disulfide
Concen: 43.833 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

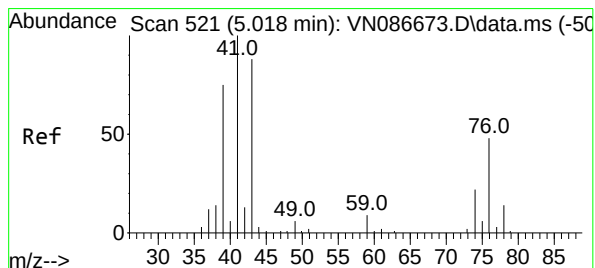
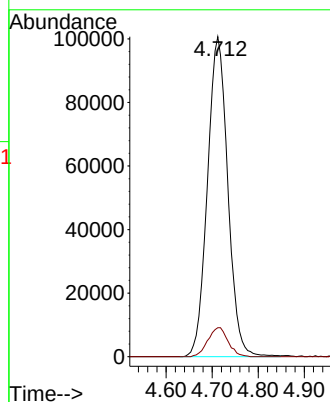
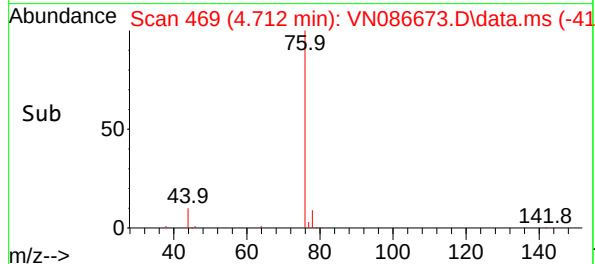
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 76 Resp: 30955
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

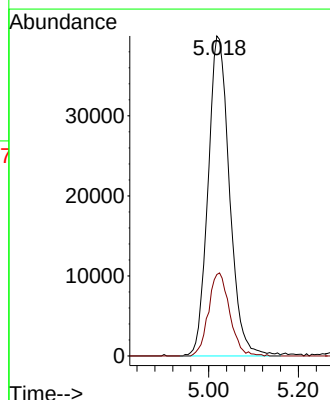
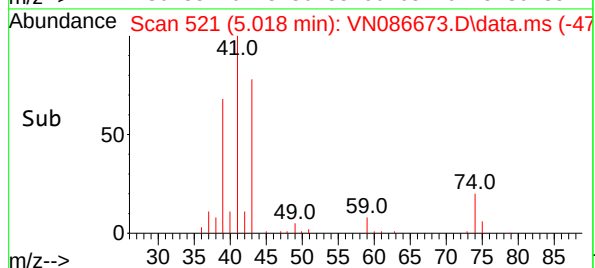
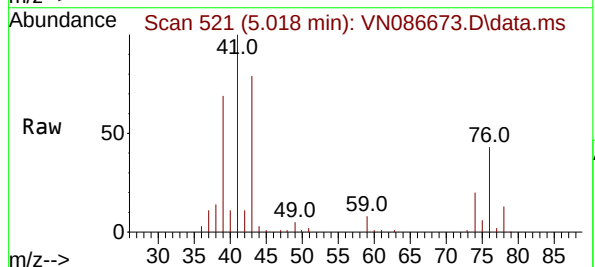
Manual Integrations
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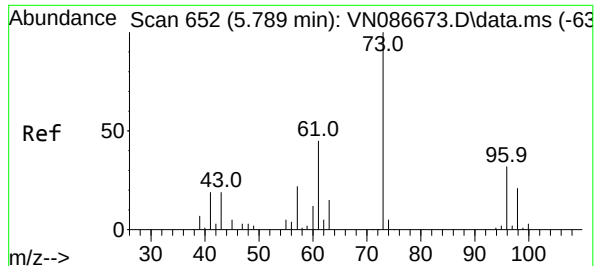
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#18
Methyl Acetate
Concen: 38.953 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Tgt Ion: 43 Resp: 132976
Ion Ratio Lower Upper
43 100
74 25.6 20.5 30.7





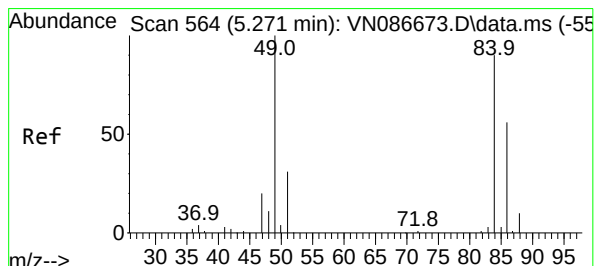
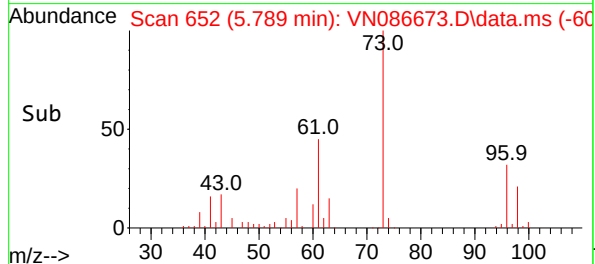
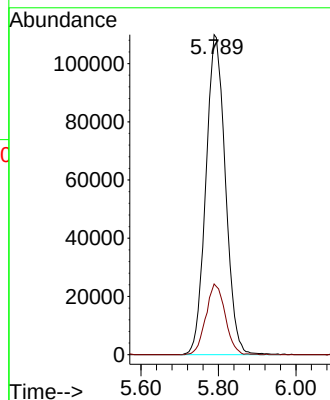
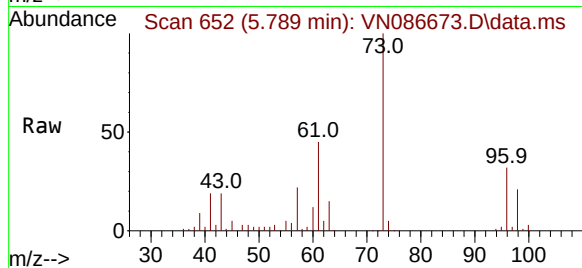
#19
Methyl tert-butyl Ether
Concen: 44.540 ug/l
RT: 5.789 min Scan# 652
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 383825
Ion Ratio Lower Upper
73 100
57 22.1 17.7 26.5

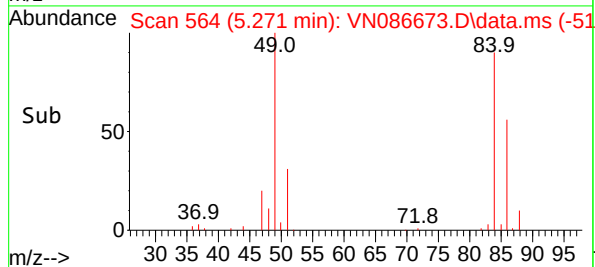
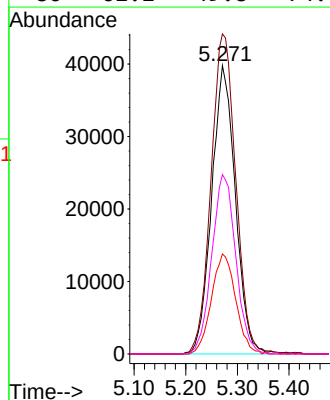
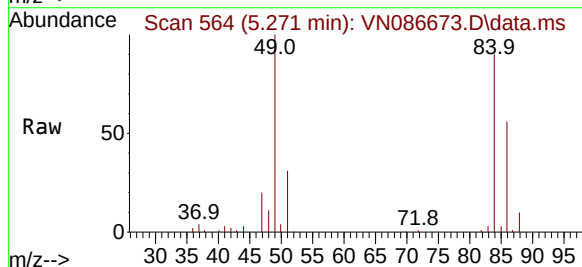
Manual Integrations
APPROVED

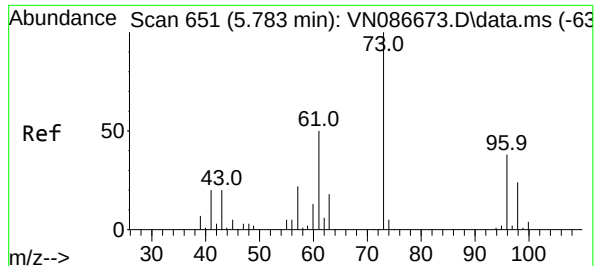
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#20
Methylene Chloride
Concen: 46.913 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

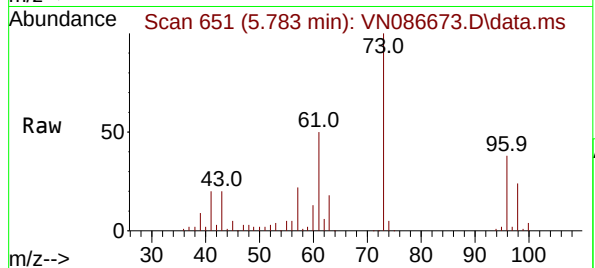
Tgt Ion: 84 Resp: 126581
Ion Ratio Lower Upper
84 100
49 111.0 88.8 133.2
51 34.7 27.8 41.6
86 62.2 49.8 74.6





#21
trans-1,2-Dichloroethene
Concen: 46.868 ug/l
RT: 5.783 min Scan# 651
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

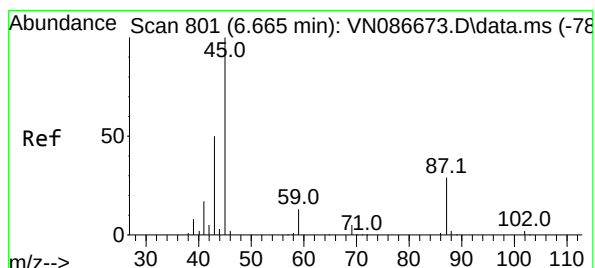
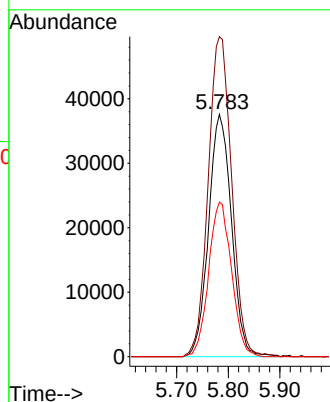
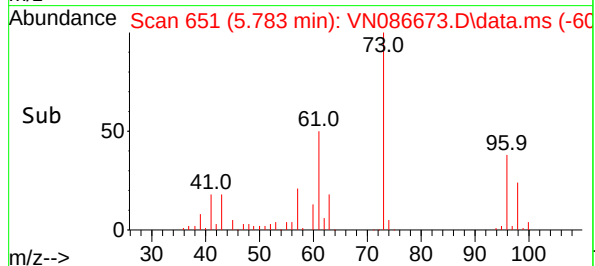
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 96 Resp: 115810
Ion Ratio Lower Upper
96 100
61 132.1 105.7 158.5
98 63.8 51.0 76.6

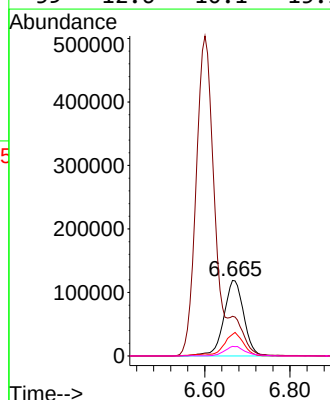
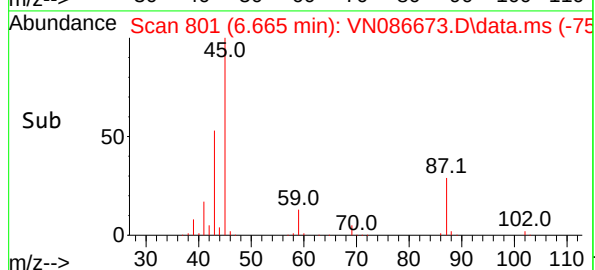
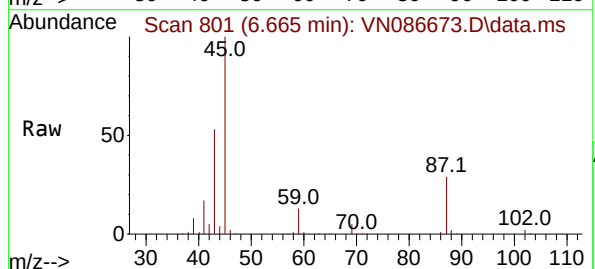
Manual Integrations
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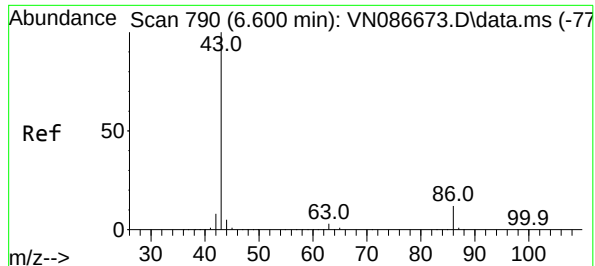
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#22
Diisopropyl ether
Concen: 42.813 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Tgt Ion: 45 Resp: 385688
Ion Ratio Lower Upper
45 100
43 51.8 41.4 62.2
87 28.6 22.9 34.3
59 12.6 10.1 15.1





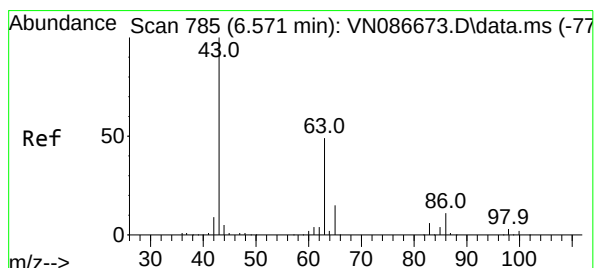
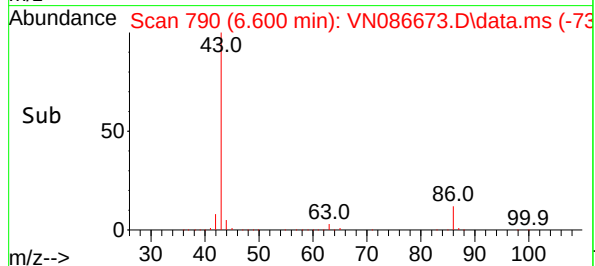
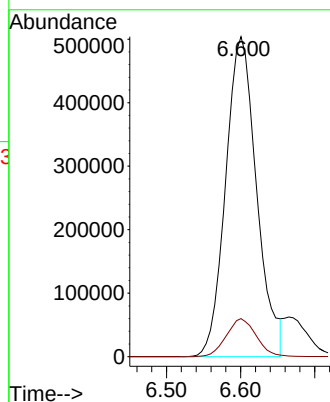
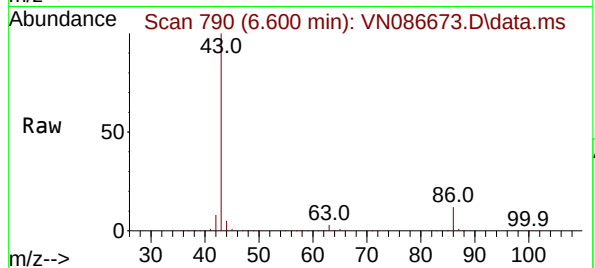
#23
 Vinyl Acetate
 Concen: 229.724 ug/l
 RT: 6.600 min Scan# 790
 Delta R.T. 0.000 min
 Lab File: VN086673.D
 Acq: 16 May 2025 18:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 43 Resp: 146294
 Ion Ratio Lower Upper
 43 100
 86 11.9 9.5 14.3

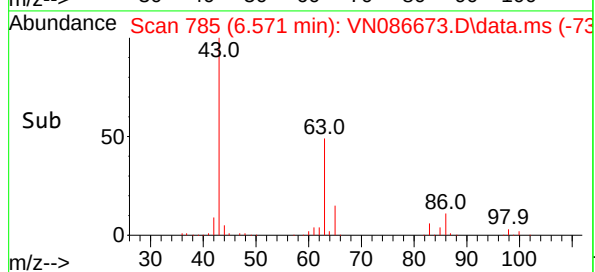
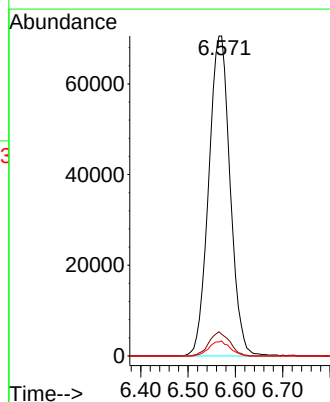
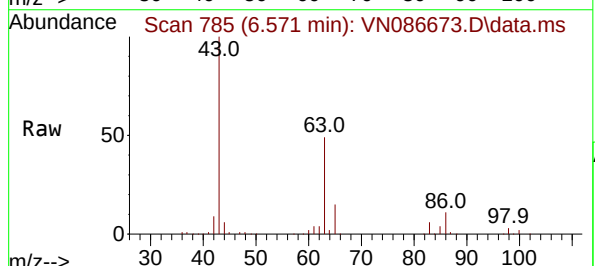
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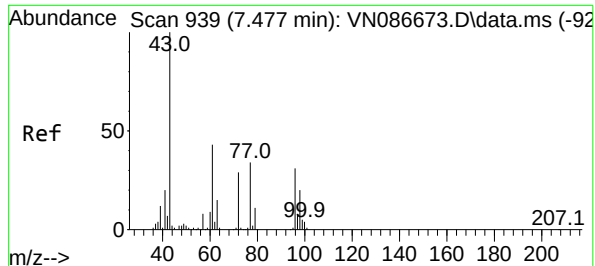
Reviewed By :John Carlone 05/19/2025
 Supervised By :Mahesh Dadoda 05/19/2025



#24
 1,1-Dichloroethane
 Concen: 46.174 ug/l
 RT: 6.571 min Scan# 785
 Delta R.T. 0.000 min
 Lab File: VN086673.D
 Acq: 16 May 2025 18:08

Tgt Ion: 63 Resp: 221538
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.2
 100 4.7 2.4 7.1





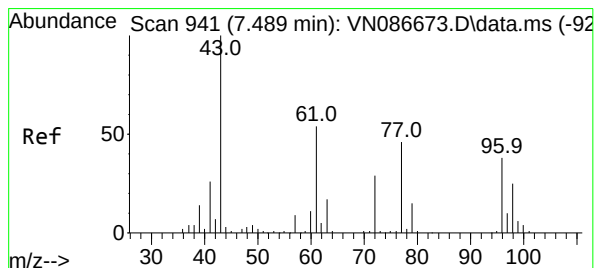
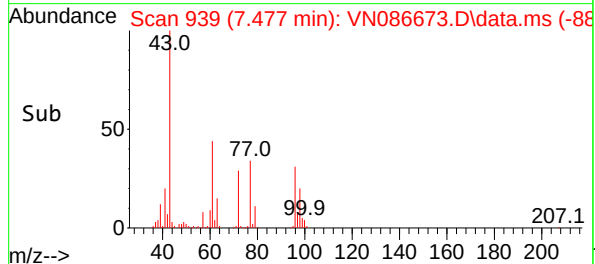
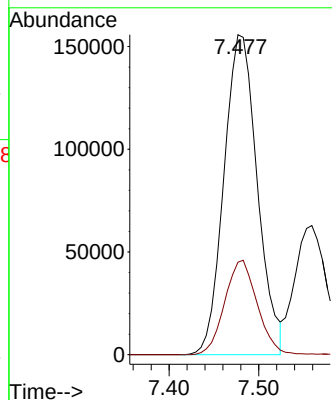
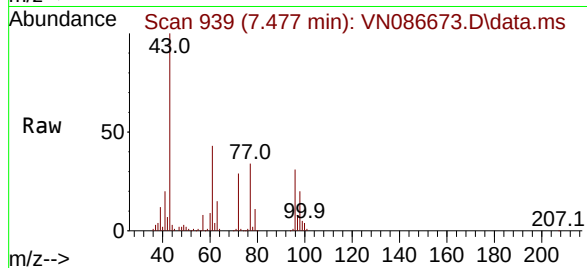
#25
2-Butanone
Concen: 224.413 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Instrument :
MSVOA_N
Client Sample Id :
VSTDICCC050

Tgt Ion: 43 Resp: 402910
Ion Ratio Lower Upper
43 100
72 28.9 23.1 34.7

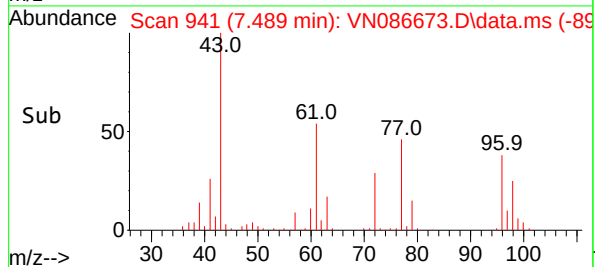
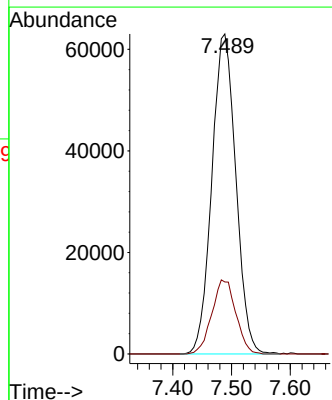
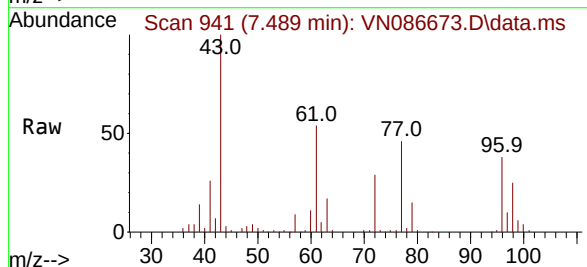
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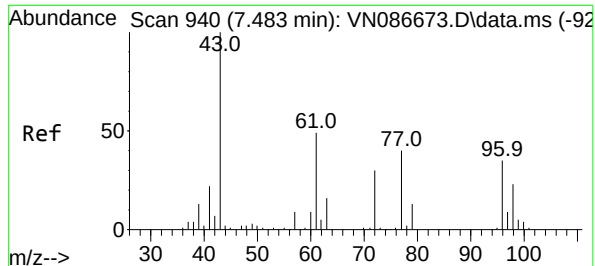
Reviewed By : John Carlone 05/19/2025
Supervised By : Mahesh Dadoda 05/19/2025



#26
2,2-Dichloropropane
Concen: 42.029 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Tgt Ion: 77 Resp: 178757
Ion Ratio Lower Upper
77 100
97 23.1 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 46.629 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 142862

Ion Ratio Lower Upper

96 100

61 138.7 0.0 277.4

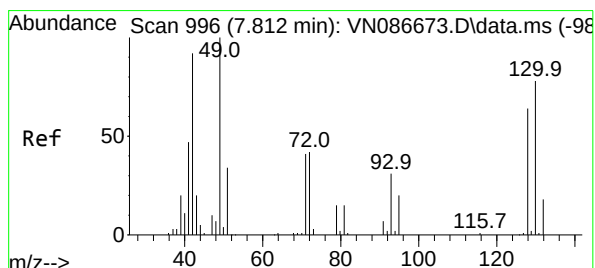
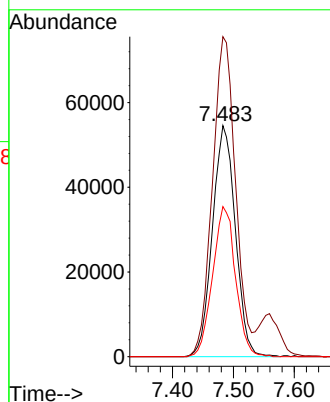
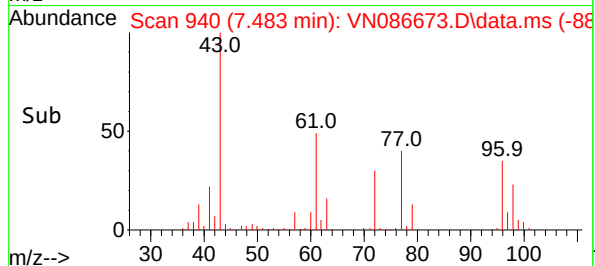
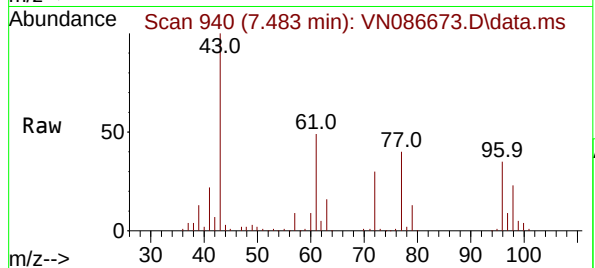
98 64.8 0.0 129.6

Manual Integrations

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Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#28

Bromochloromethane

Concen: 49.651 ug/l

RT: 7.812 min Scan# 996

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

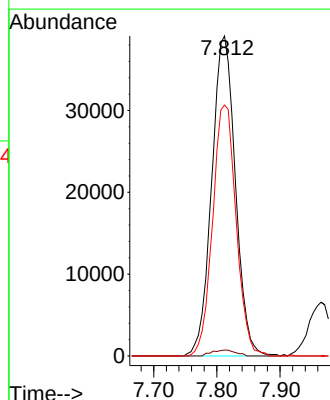
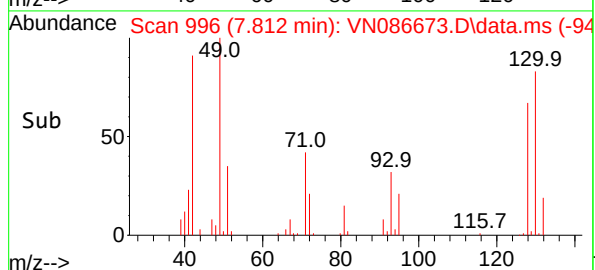
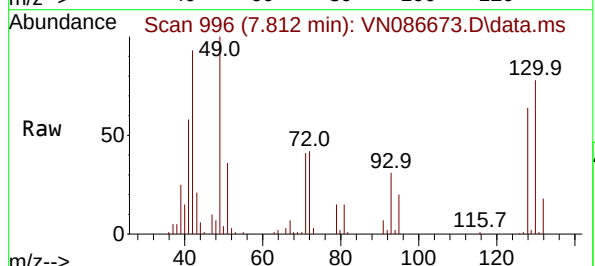
Tgt Ion: 49 Resp: 101861

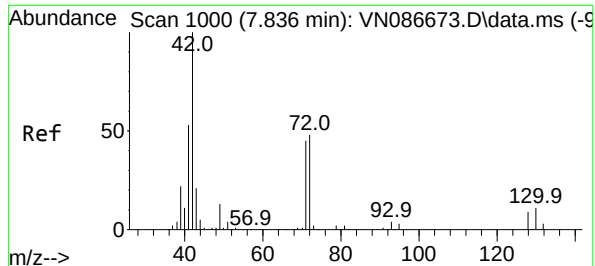
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

130 77.8 62.2 93.4





#29

Tetrahydrofuran

Concen: 221.224 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 26554

Ion Ratio Lower Upper

42 100

72 48.4 38.7 58.1

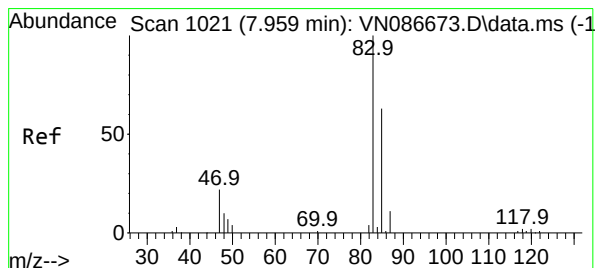
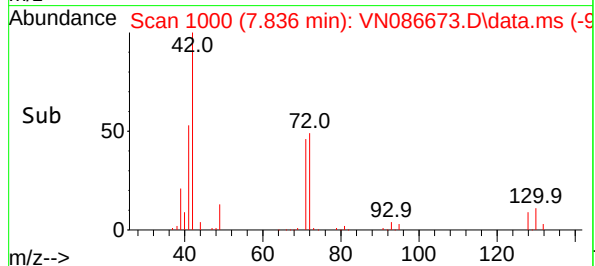
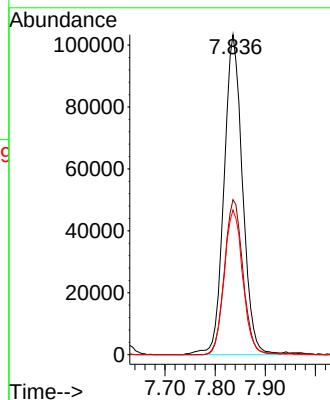
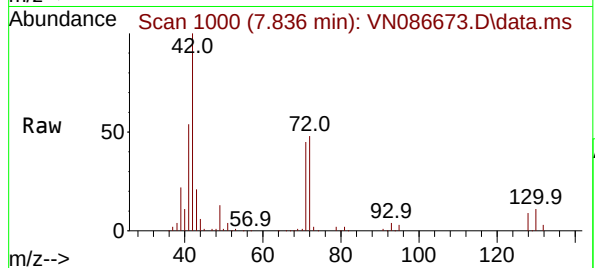
71 45.3 36.2 54.4

Manual Integrations

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Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#30

Chloroform

Concen: 46.418 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. 0.000 min

Lab File: VN086673.D

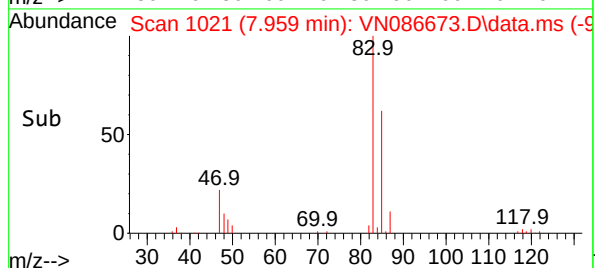
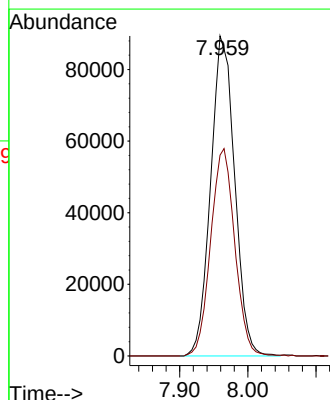
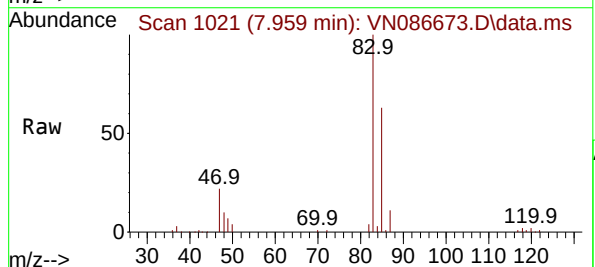
Acq: 16 May 2025 18:08

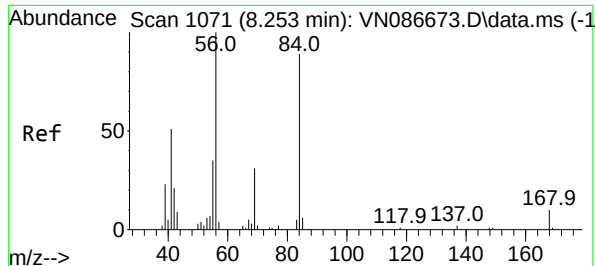
Tgt Ion: 83 Resp: 219404

Ion Ratio Lower Upper

83 100

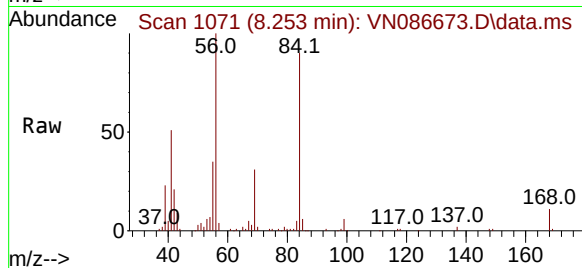
85 62.8 50.2 75.4





#31
Cyclohexane
Concen: 42.429 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

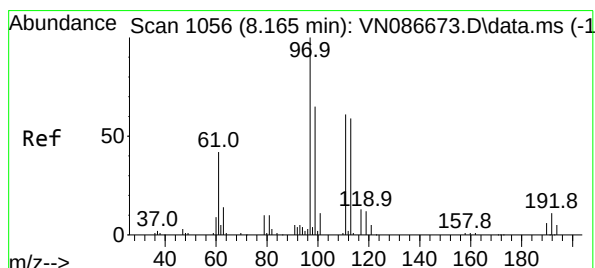
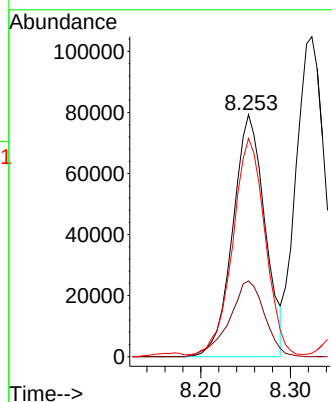
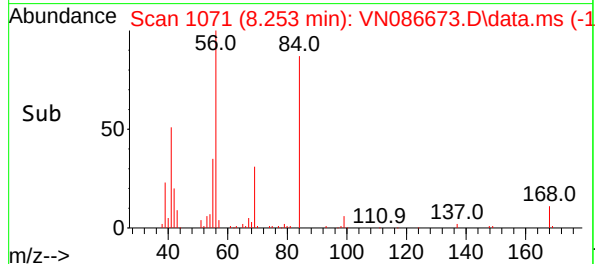
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 56 Resp: 19728
Ion Ratio Lower Upper
56 100
69 31.3 25.0 37.6
84 88.7 71.0 106.4

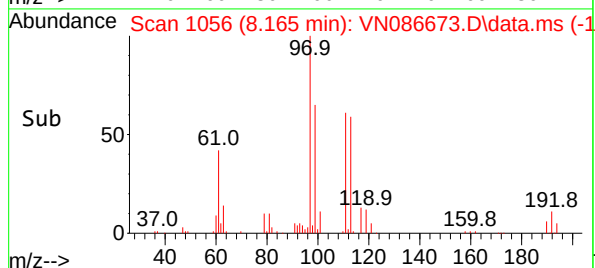
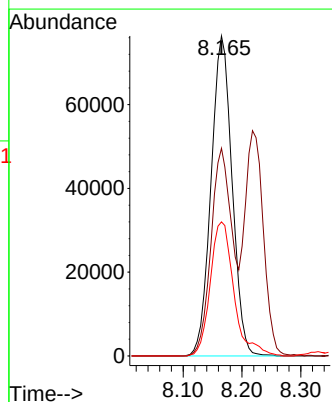
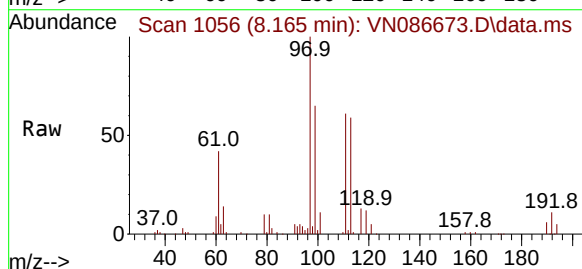
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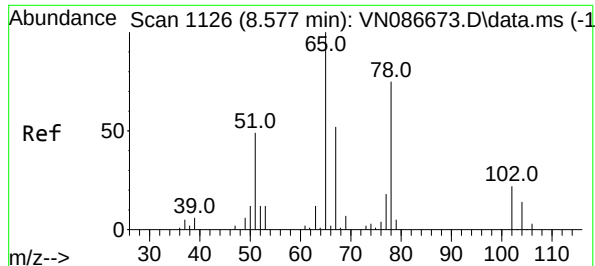
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#32
1,1,1-Trichloroethane
Concen: 46.845 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Tgt Ion: 97 Resp: 189597
Ion Ratio Lower Upper
97 100
99 65.8 52.6 79.0
61 47.1 37.7 56.5





#33

1,2-Dichloroethane-d4

Concen: 48.157 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 13913

Ion Ratio Lower Upper

65 100

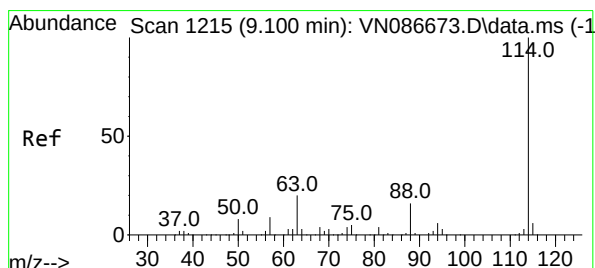
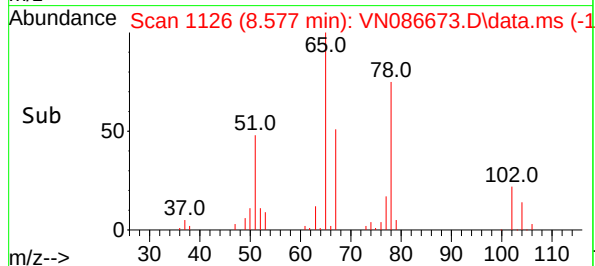
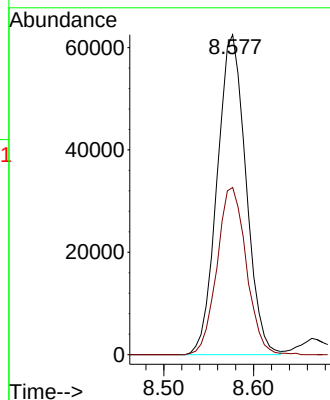
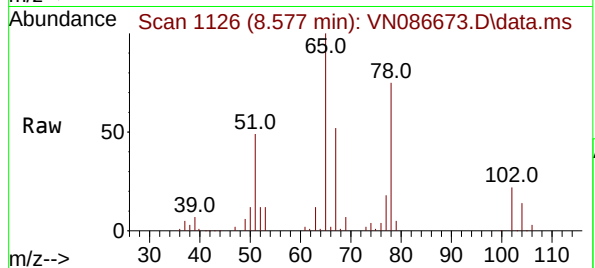
67 53.2 0.0 106.4

Manual Integrations

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Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

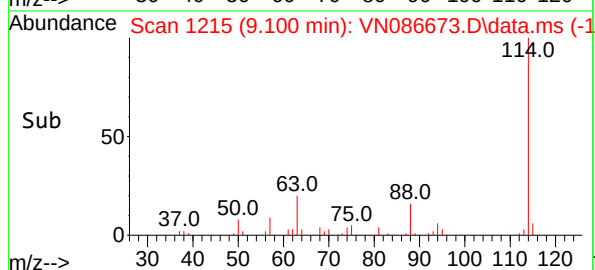
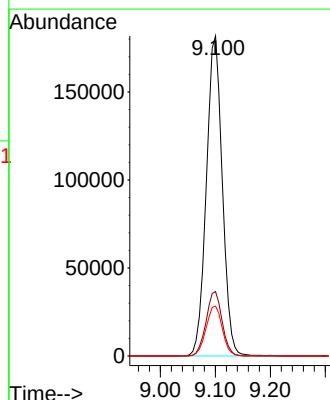
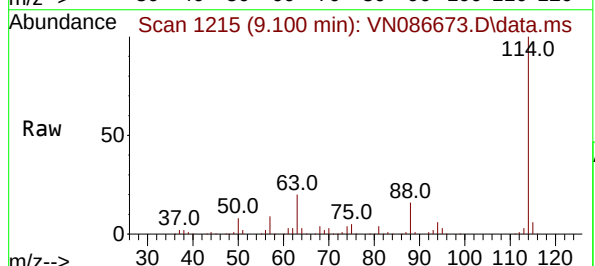
Tgt Ion:114 Resp: 366335

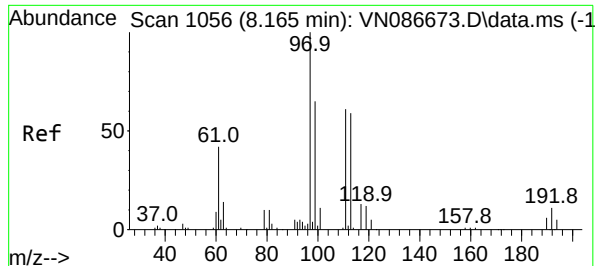
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 15.6 0.0 31.2





#35

Dibromofluoromethane

Concen: 59.961 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 113 Resp: 10930

Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.2

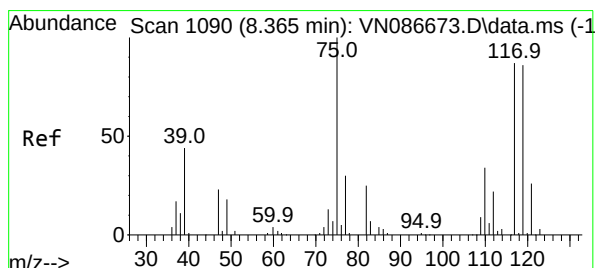
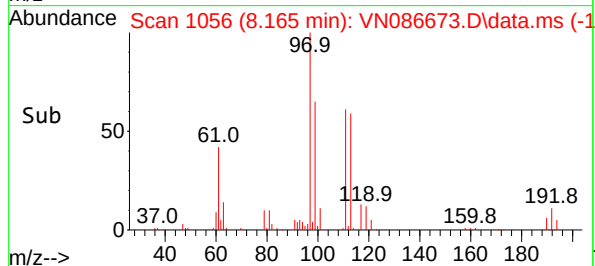
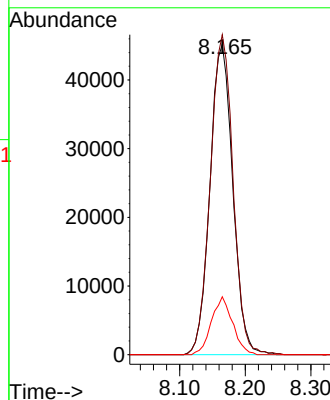
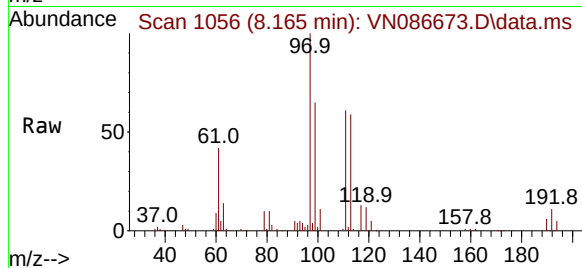
192 17.3 13.8 20.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#36

1,1-Dichloropropene

Concen: 47.088 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

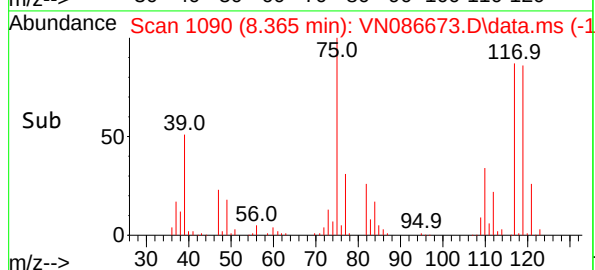
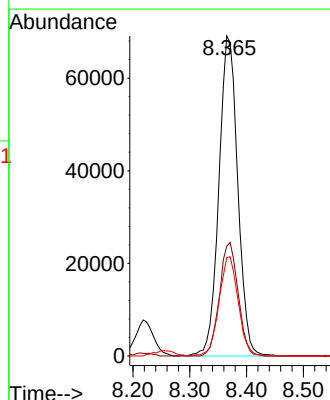
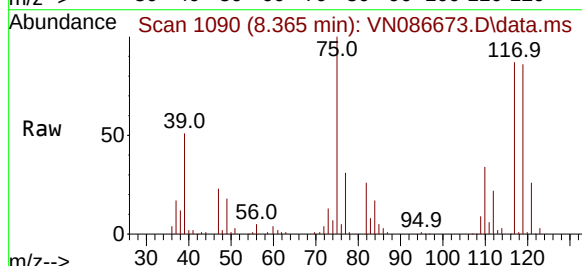
Tgt Ion: 75 Resp: 159488

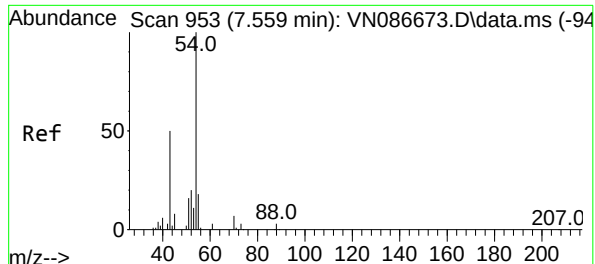
Ion Ratio Lower Upper

75 100

110 35.0 17.5 52.5

77 31.4 25.1 37.7





#37

Ethyl Acetate

Concen: 44.832 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 15970

Ion Ratio Lower Upper

43 100

61 14.5 11.6 17.4

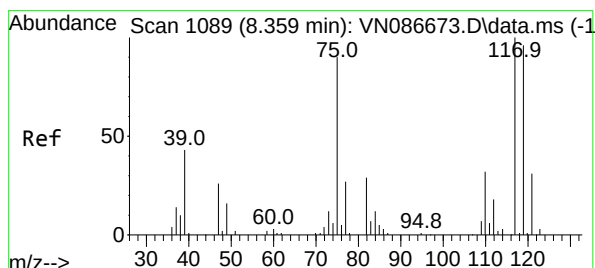
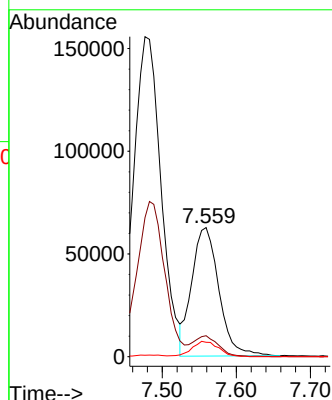
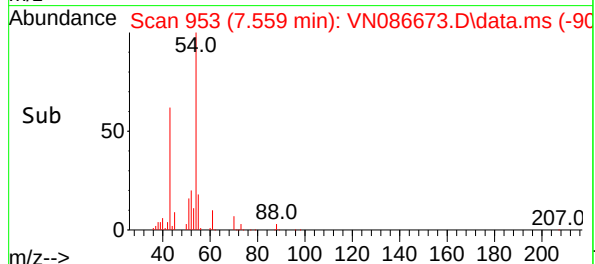
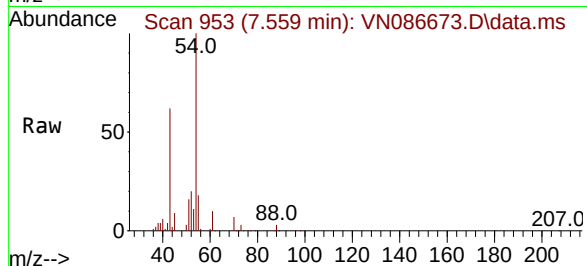
70 11.7 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#38

Carbon Tetrachloride

Concen: 48.589 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

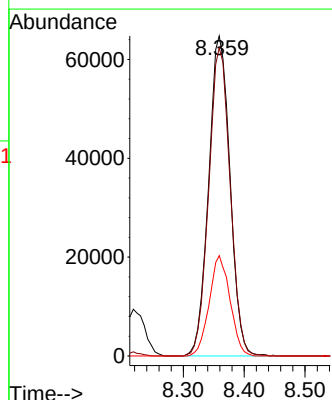
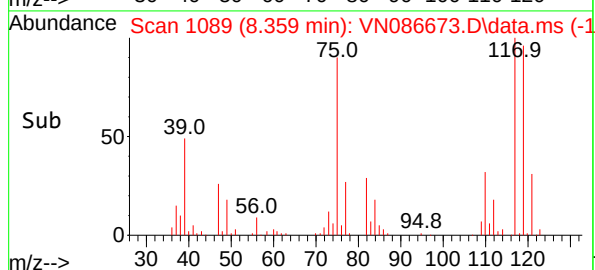
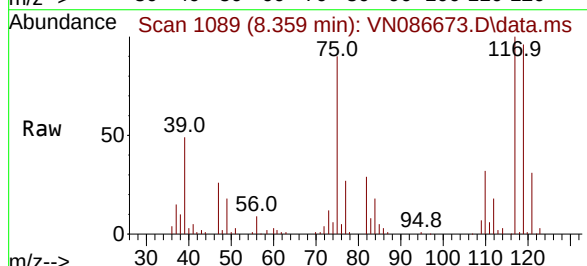
Tgt Ion:117 Resp: 157560

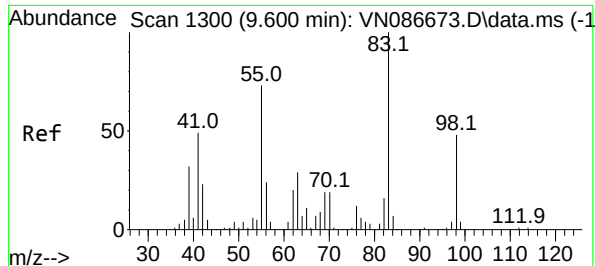
Ion Ratio Lower Upper

117 100

119 96.3 77.0 115.6

121 31.3 25.0 37.6





#39

Methylcyclohexane

Concen: 44.277 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

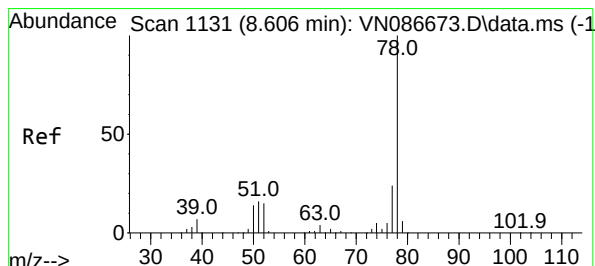
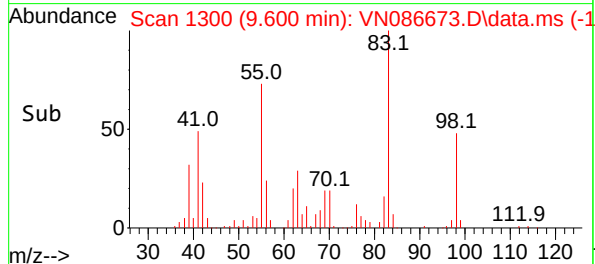
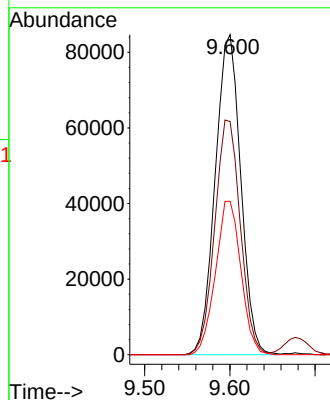
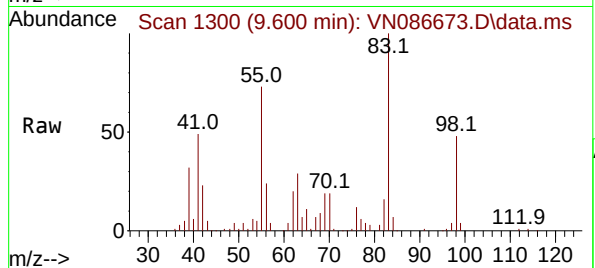
Tgt Ion:	83	Resp:	17645
Ion Ratio	Lower	Upper	
83	100		
55	72.8	58.2	87.4
98	48.0	38.4	57.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#40

Benzene

Concen: 47.252 ug/l

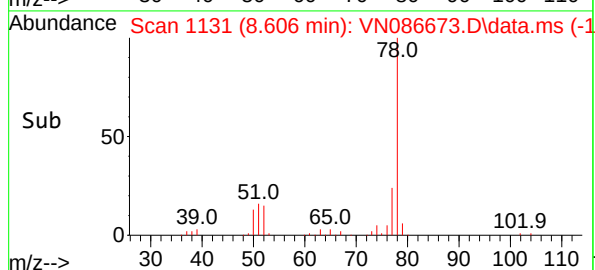
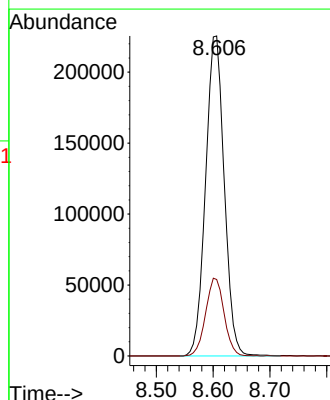
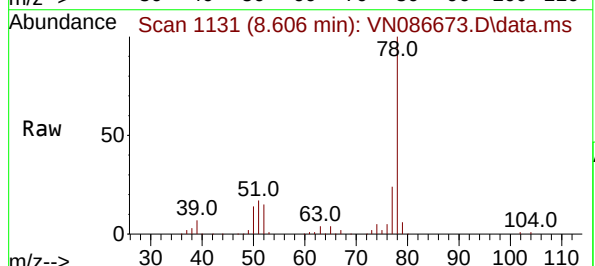
RT: 8.606 min Scan# 1131

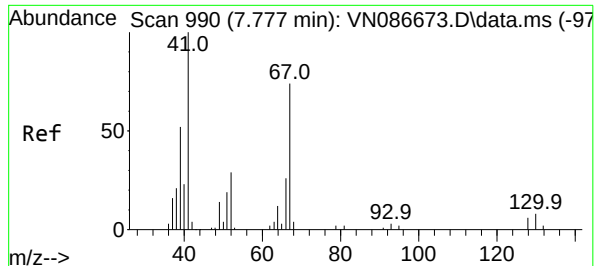
Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

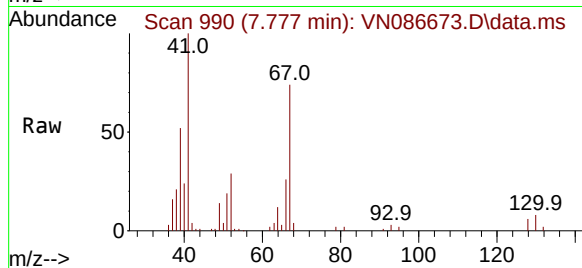
Tgt Ion:	78	Resp:	513727
Ion Ratio	Lower	Upper	
78	100		
77	23.9	19.1	28.7





#41
Methacrylonitrile
Concen: 42.982 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

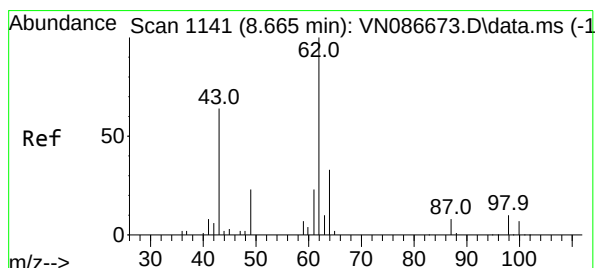
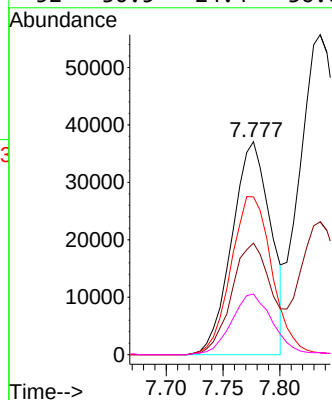
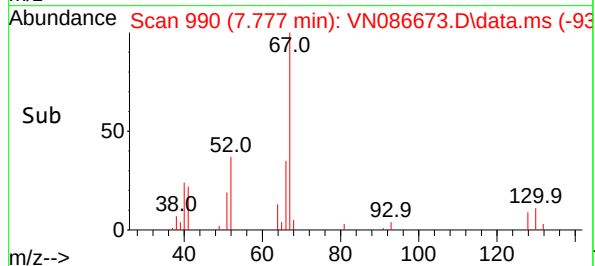
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 41 Resp: 87794
Ion Ratio Lower Upper
41 100
39 56.1 44.9 67.3
67 79.2 63.4 95.0
52 30.5 24.4 36.6

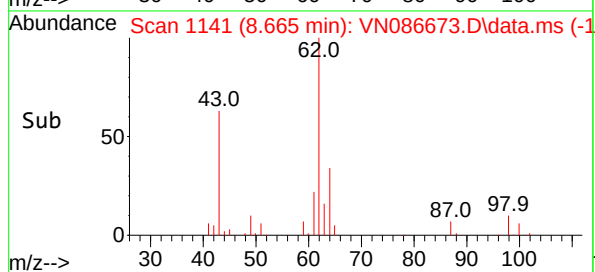
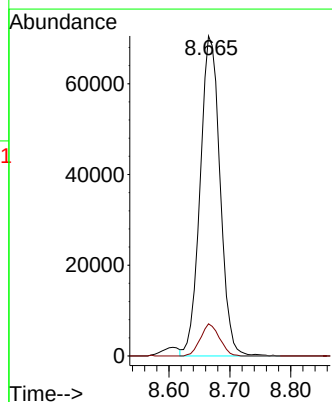
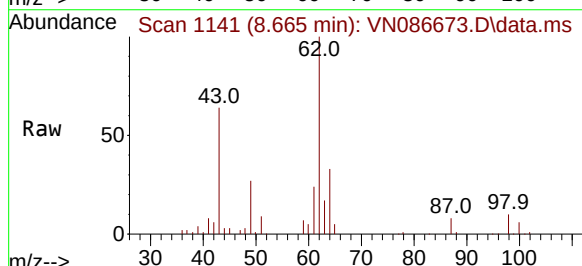
Manual Integrations
APPROVED

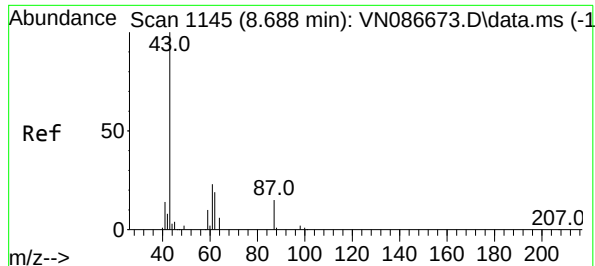
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#42
1,2-Dichloroethane
Concen: 46.310 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Tgt Ion: 62 Resp: 160313
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.2





#43

Isopropyl Acetate

Concen: 33.201 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 28243

Ion Ratio Lower Upper

43 100

61 26.8 21.4 32.2

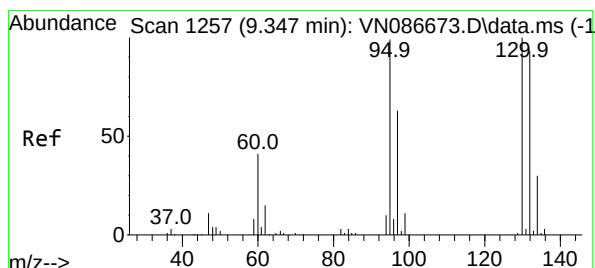
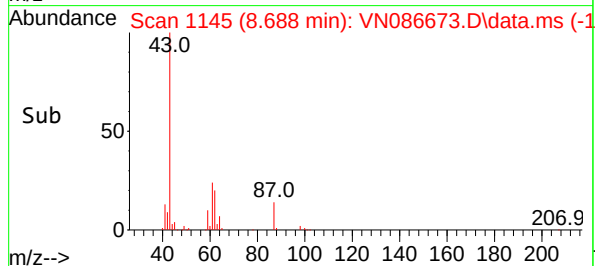
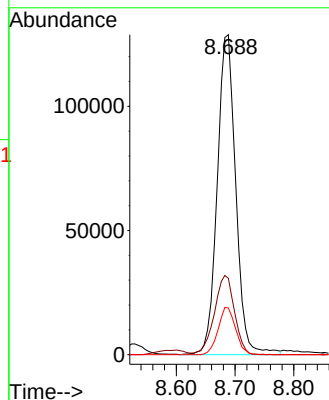
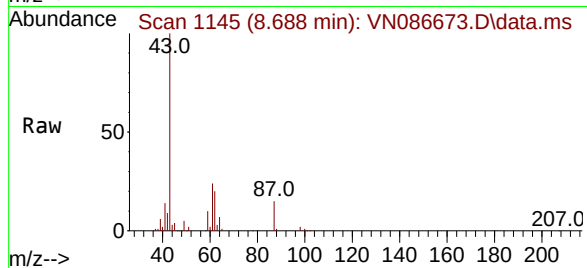
87 13.9 11.1 16.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#44

Trichloroethene

Concen: 48.612 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. 0.000 min

Lab File: VN086673.D

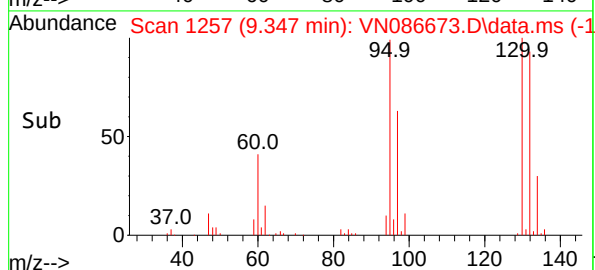
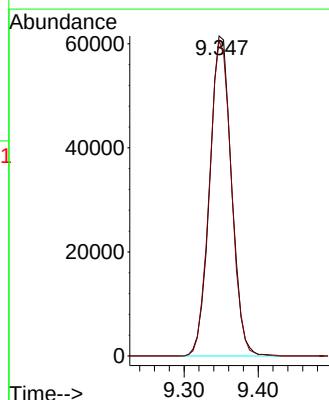
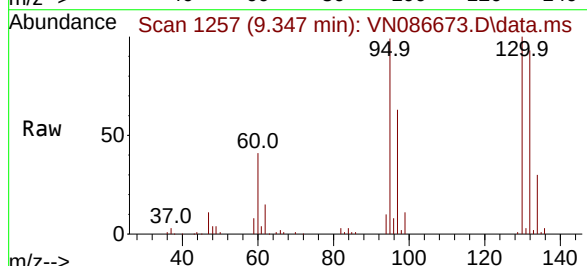
Acq: 16 May 2025 18:08

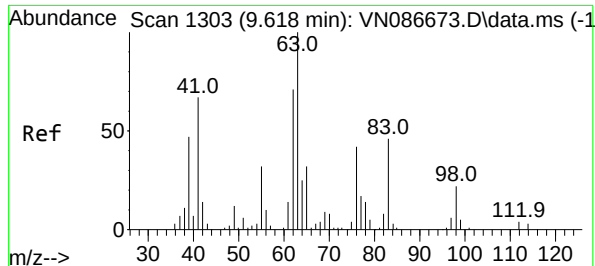
Tgt Ion:130 Resp: 125647

Ion Ratio Lower Upper

130 100

95 98.5 0.0 197.0





#45

1,2-Dichloropropane

Concen: 46.461 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 12298

Ion Ratio Lower Upper

63 100

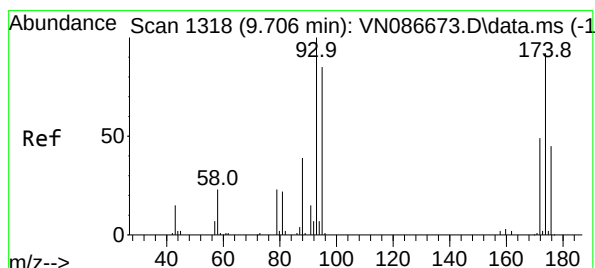
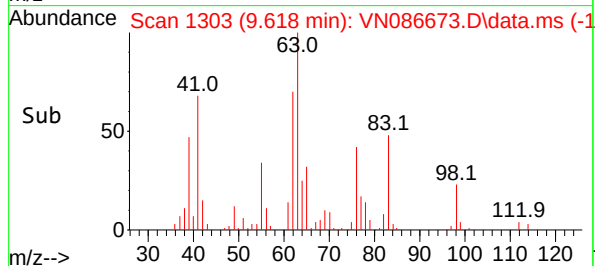
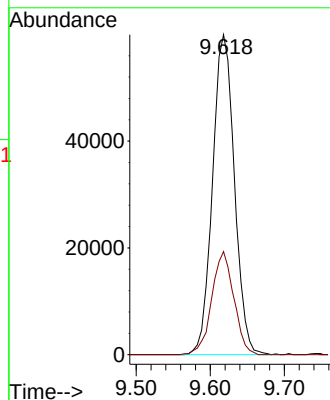
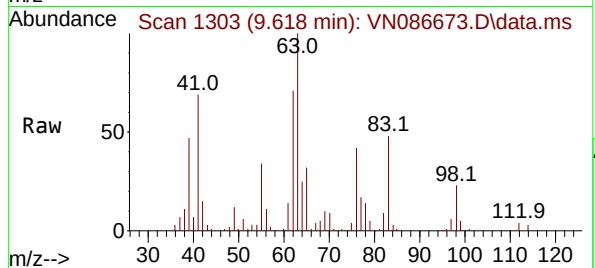
65 32.2 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#46

Dibromomethane

Concen: 49.113 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

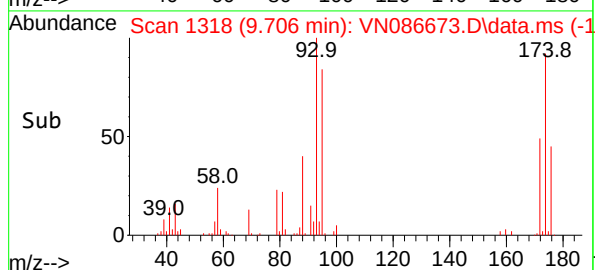
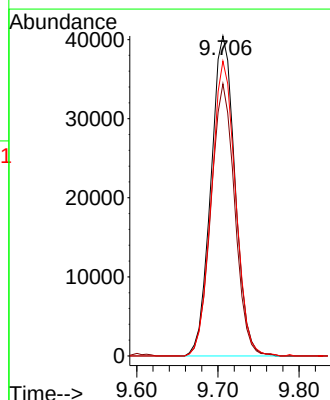
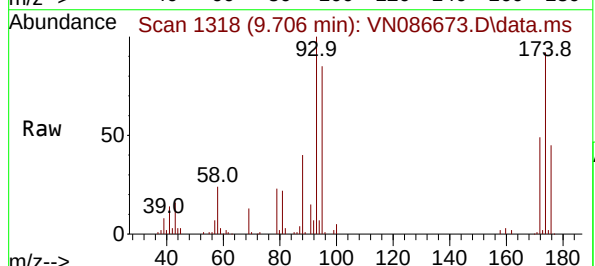
Tgt Ion: 93 Resp: 83377

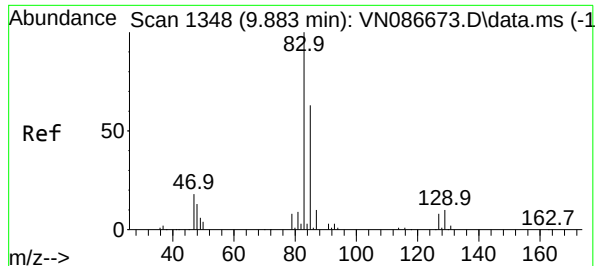
Ion Ratio Lower Upper

93 100

95 83.9 67.1 100.7

174 92.2 73.8 110.6





#47

Bromodichloromethane

Concen: 47.166 ug/l

RT: 9.883 min Scan# 1348

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

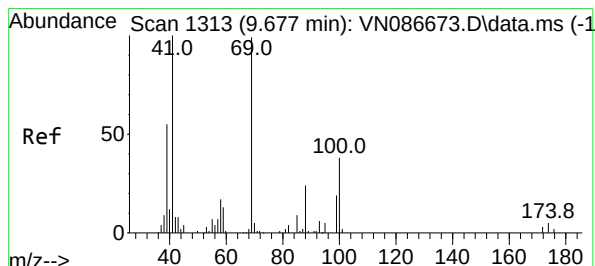
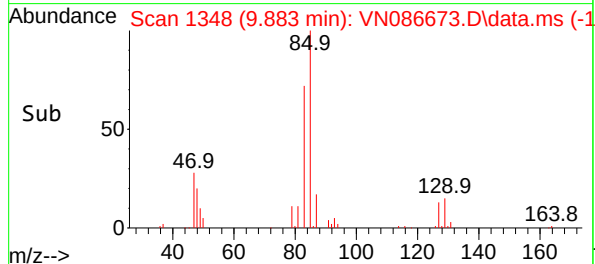
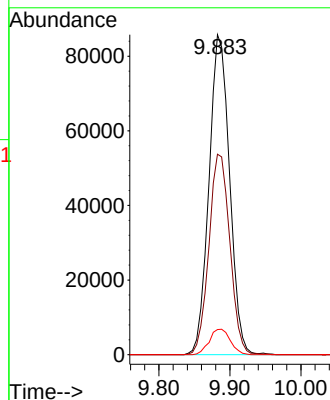
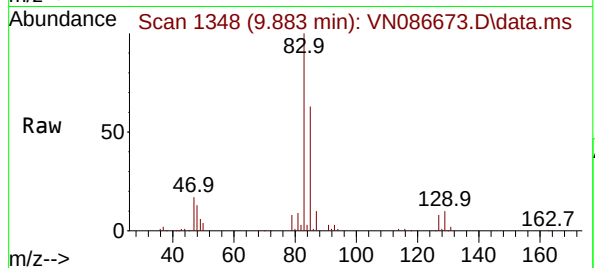
Tgt Ion:	83	Resp:	172620
Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.1	75.1
127	7.8	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#48

Methyl methacrylate

Concen: 41.698 ug/l

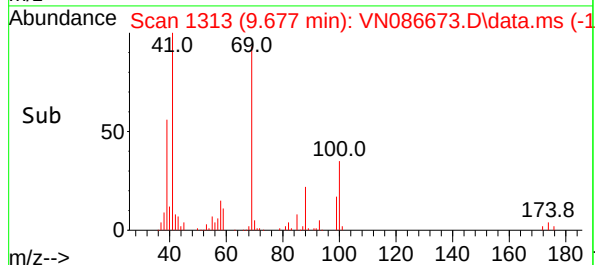
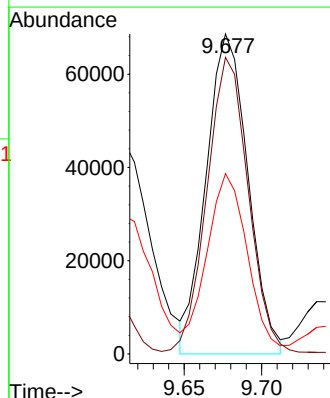
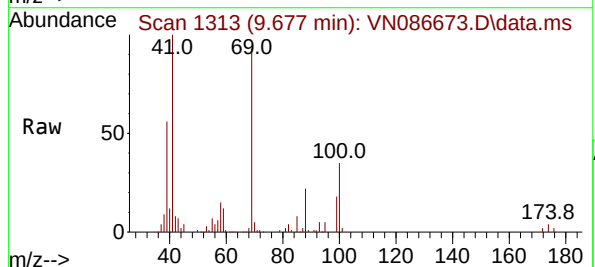
RT: 9.677 min Scan# 1313

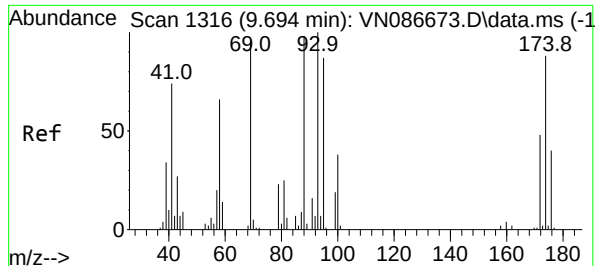
Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

Tgt Ion:	41	Resp:	128661
Ion	Ratio	Lower	Upper
41	100		
69	92.6	74.1	111.1
39	55.1	44.1	66.1





#49

1,4-Dioxane

Concen: 1002.364 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 88 Resp: 54709

Ion Ratio Lower Upper

88 100

43 29.5 23.6 35.4

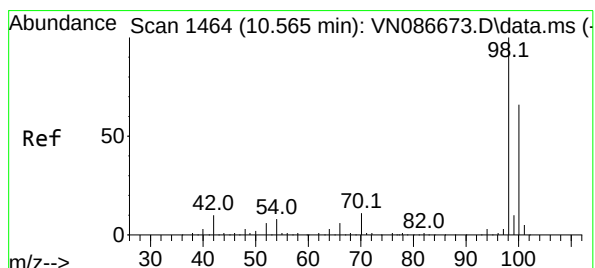
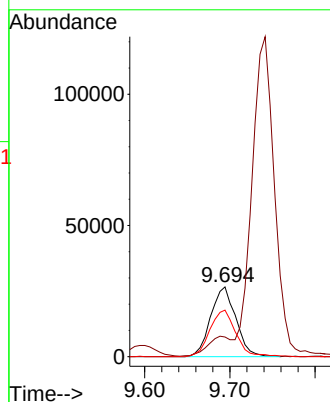
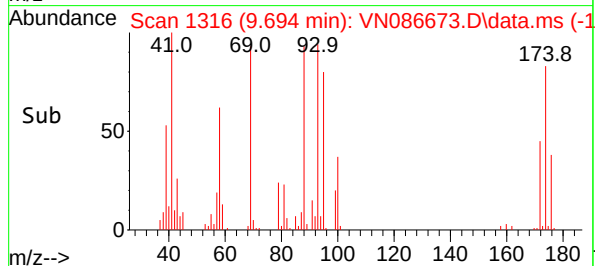
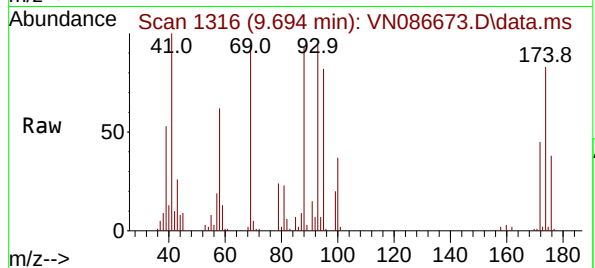
58 69.1 55.3 82.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#50

Toluene-d8

Concen: 50.416 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN086673.D

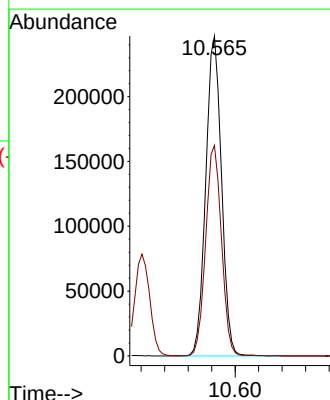
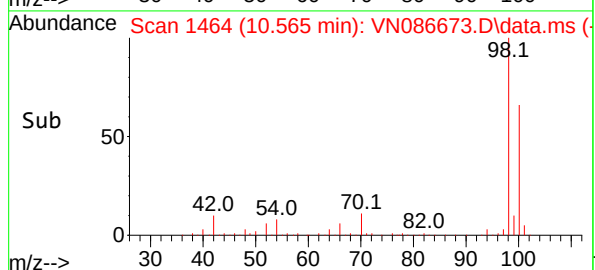
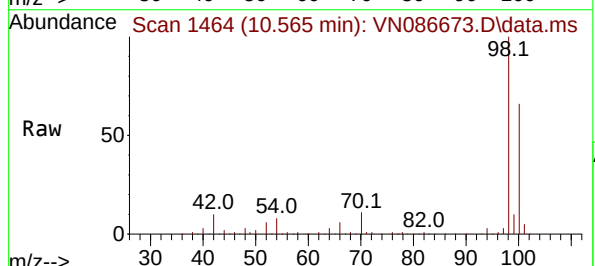
Acq: 16 May 2025 18:08

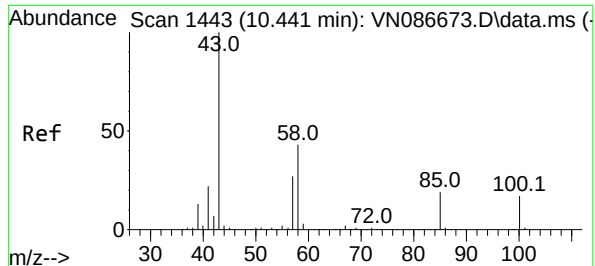
Tgt Ion: 98 Resp: 458089

Ion Ratio Lower Upper

98 100

100 66.1 52.9 79.3





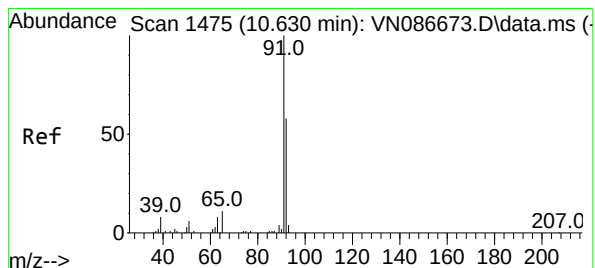
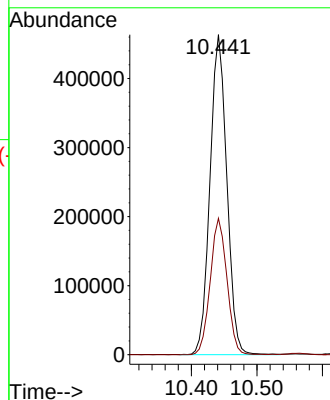
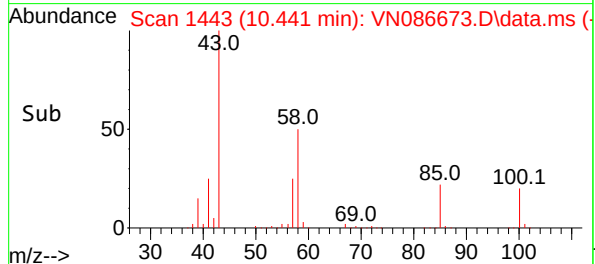
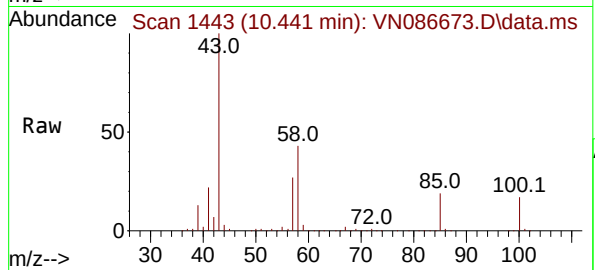
#51
4-Methyl-2-Pentanone
Concen: 228.029 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 82567
Ion Ratio Lower Upper
43 100
58 42.4 33.9 50.9

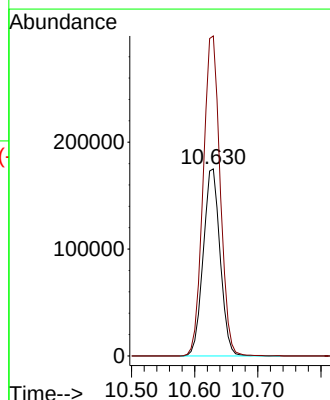
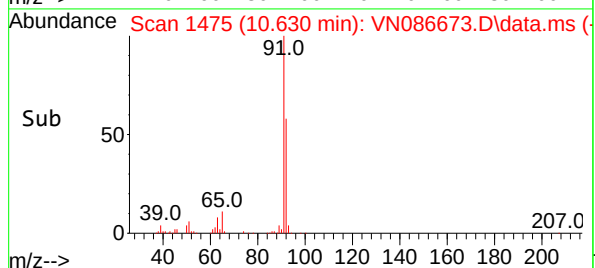
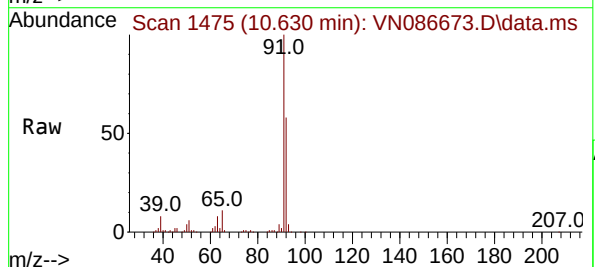
Manual Integrations
APPROVED

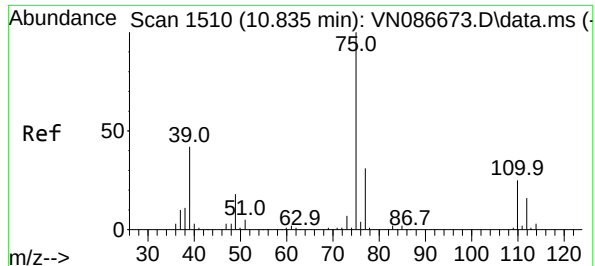
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#52
Toluene
Concen: 47.903 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

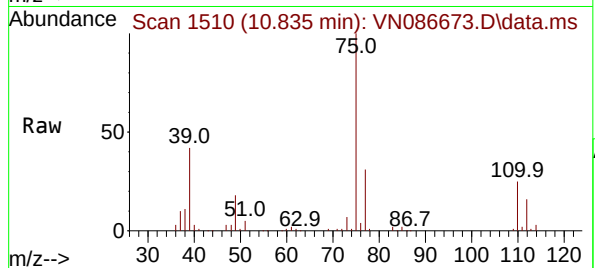
Tgt Ion: 92 Resp: 324906
Ion Ratio Lower Upper
92 100
91 172.3 137.8 206.8





#53
t-1,3-Dichloropropene
Concen: 46.497 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

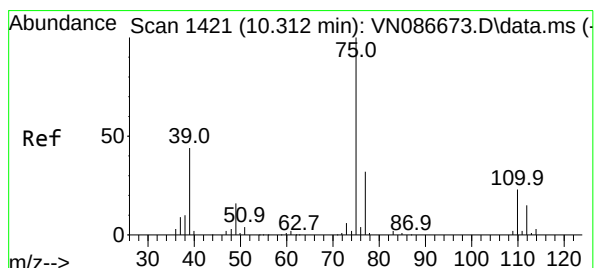
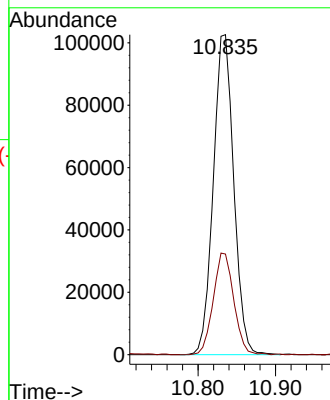
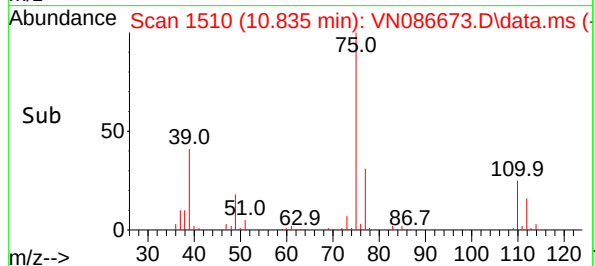
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 75 Resp: 188352
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8

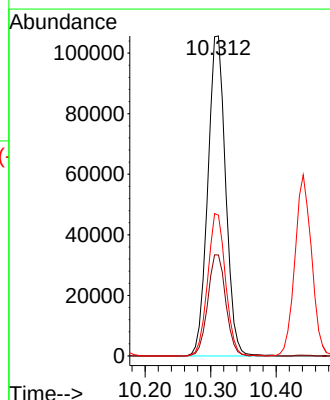
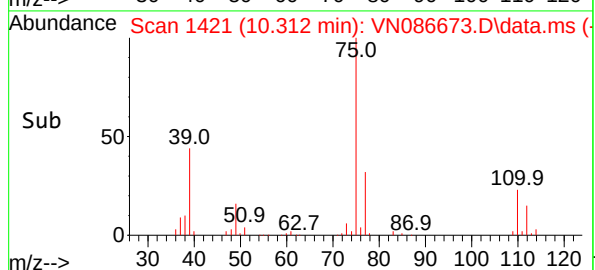
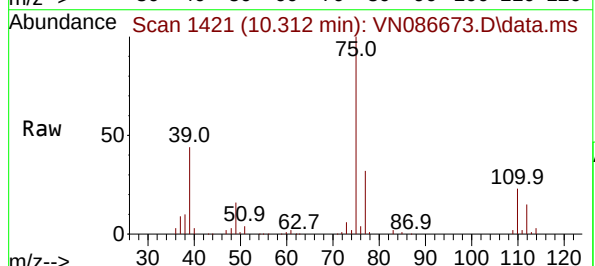
Manual Integrations
APPROVED

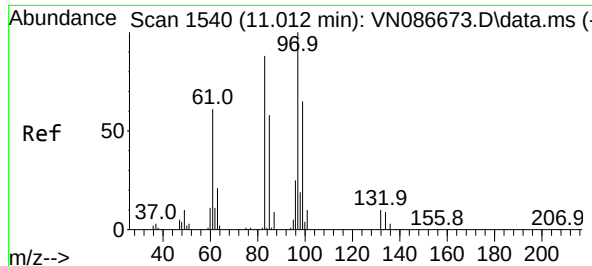
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#54
cis-1,3-Dichloropropene
Concen: 44.899 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Tgt Ion: 75 Resp: 200078
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9
39 44.0 35.2 52.8





#55

1,1,2-Trichloroethane

Concen: 48.104 ug/l

RT: 11.012 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 11767

Ion Ratio Lower Upper

97 100

83 88.0 70.4 105.6

85 57.6 46.1 69.1

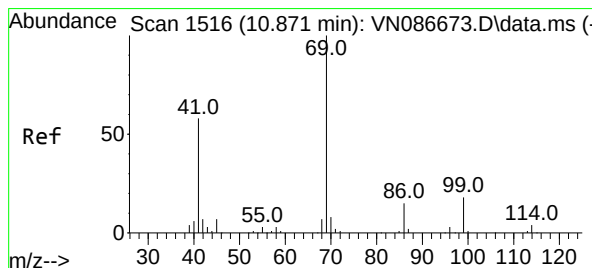
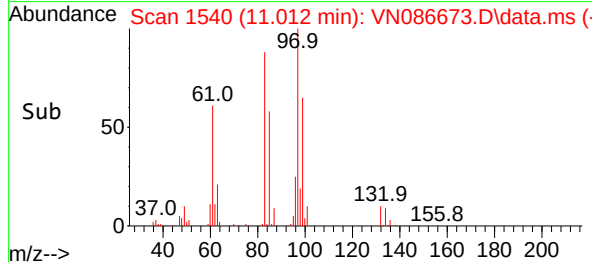
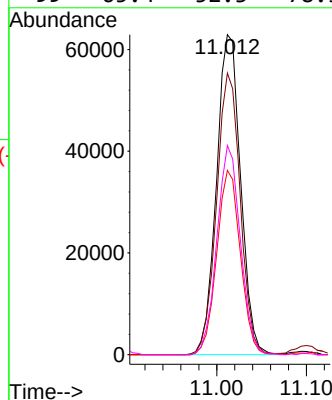
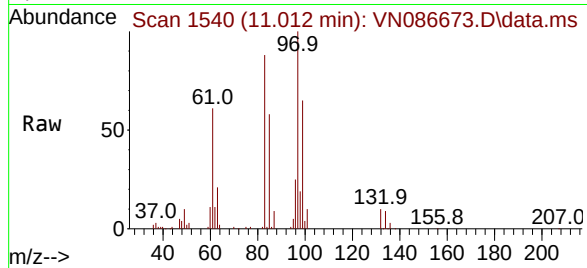
99 65.4 52.3 78.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#56

Ethyl methacrylate

Concen: 45.731 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

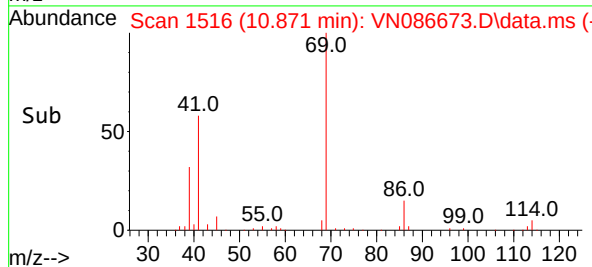
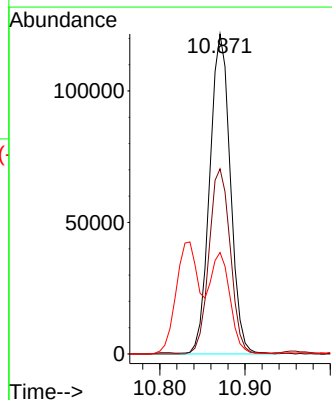
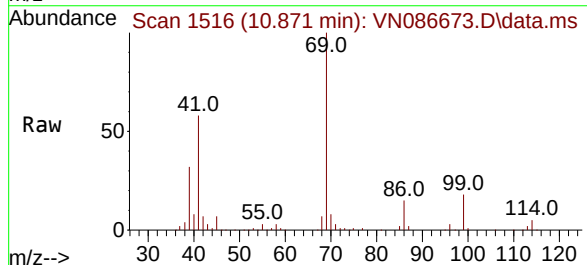
Tgt Ion: 69 Resp: 204115

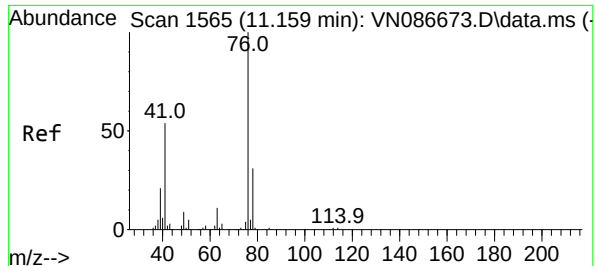
Ion Ratio Lower Upper

69 100

41 59.2 47.4 71.0

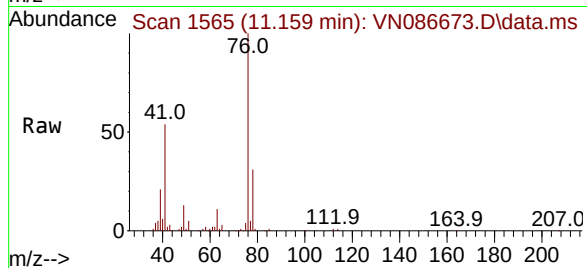
39 30.0 24.0 36.0





#57
1,3-Dichloropropane
Concen: 47.516 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

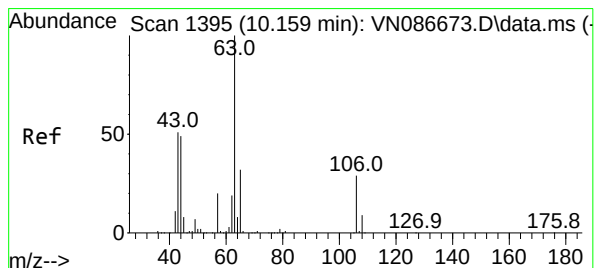
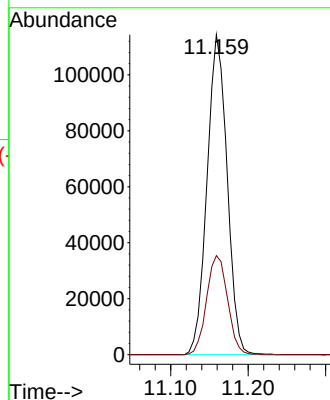
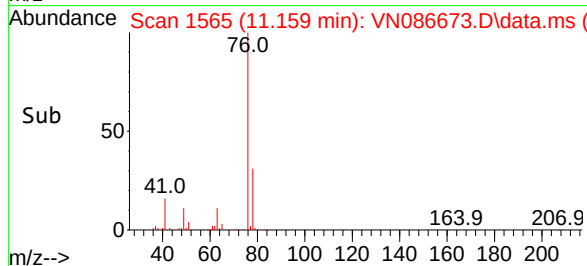
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 76 Resp: 205784
Ion Ratio Lower Upper
76 100
78 32.3 25.8 38.8

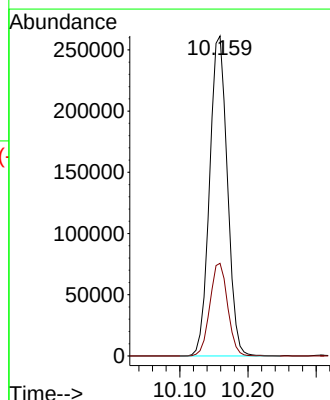
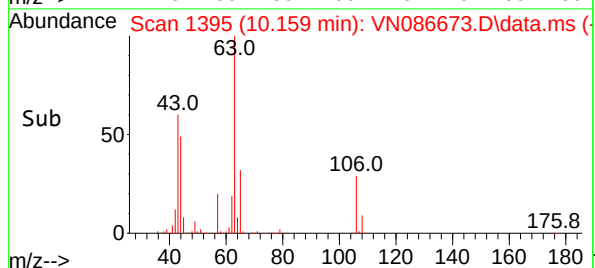
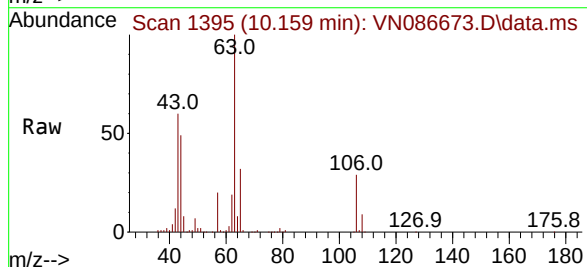
Manual Integrations
APPROVED

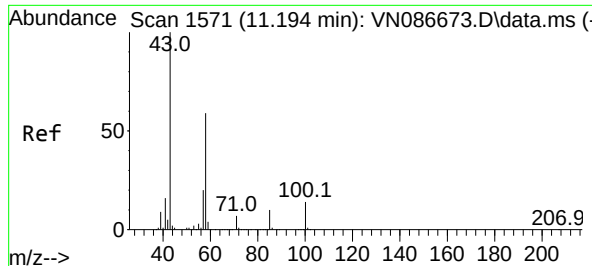
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#58
2-Chloroethyl Vinyl ether
Concen: 225.901 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

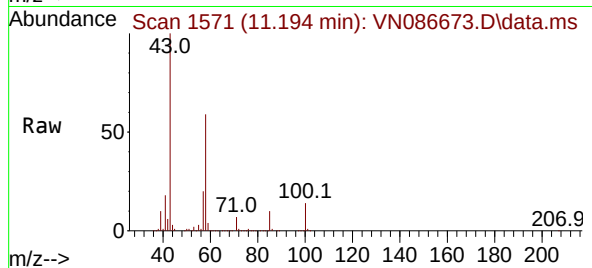
Tgt Ion: 63 Resp: 473490
Ion Ratio Lower Upper
63 100
106 28.9 23.1 34.7





#59
2-Hexanone
Concen: 226.589 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

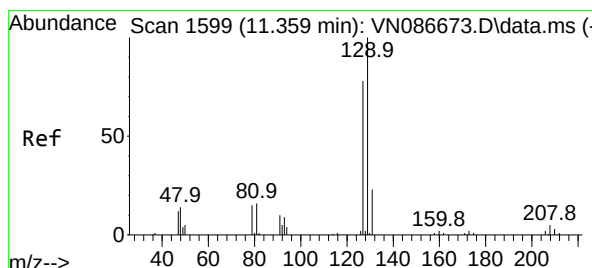
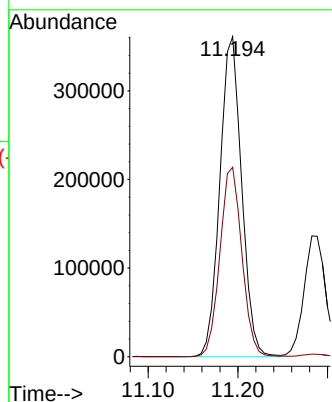
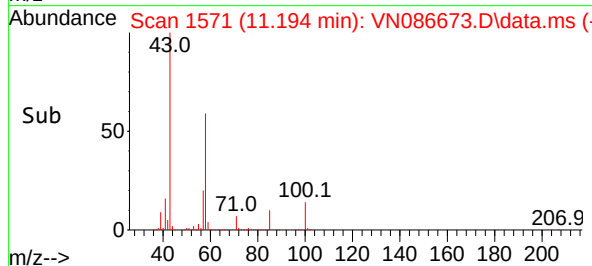
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 60910
Ion Ratio Lower Upper
43 100
58 59.7 29.8 89.5

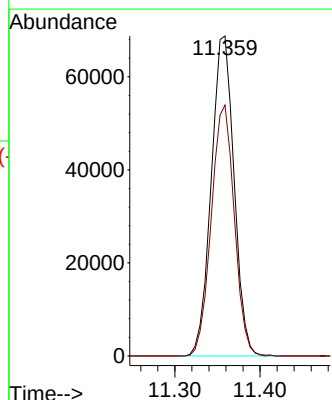
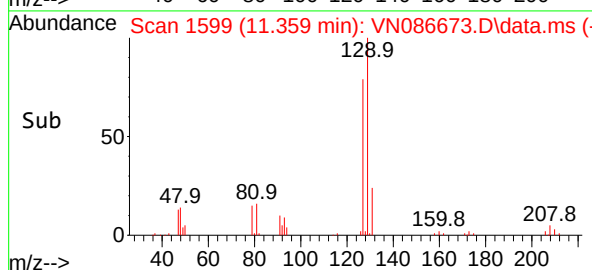
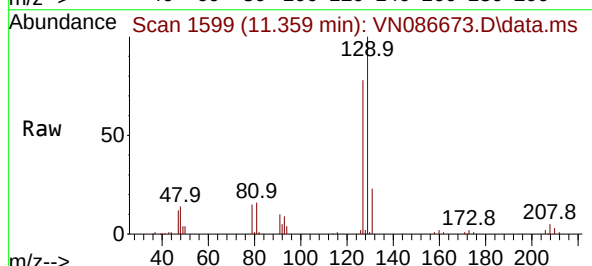
Manual Integrations
APPROVED

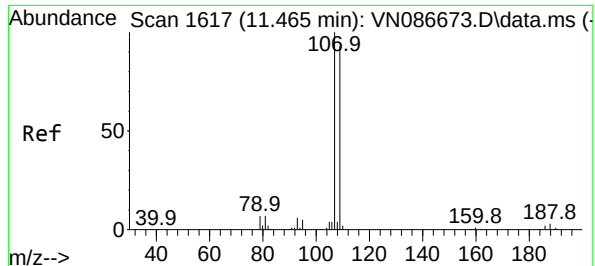
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#60
Dibromochloromethane
Concen: 47.766 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Tgt Ion:129 Resp: 127861
Ion Ratio Lower Upper
129 100
127 78.9 39.5 118.3





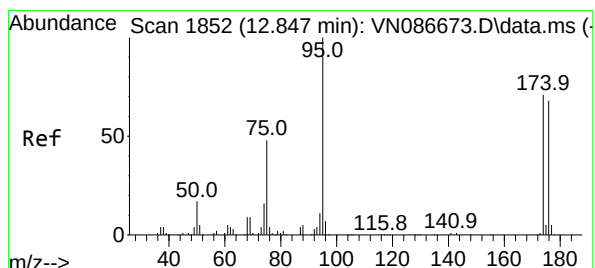
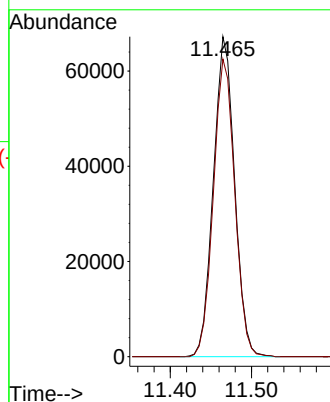
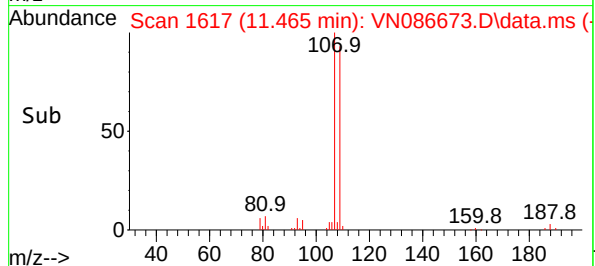
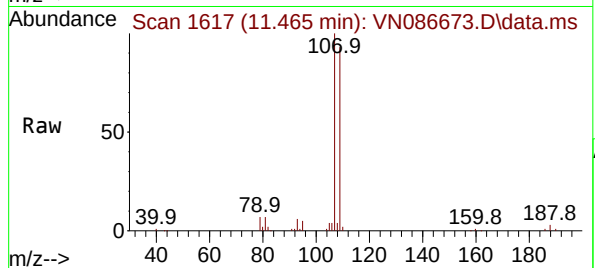
#61
1,2-Dibromoethane
Concen: 49.356 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 12220
Ion Ratio Lower Upper
107 100
109 93.7 75.0 112.4

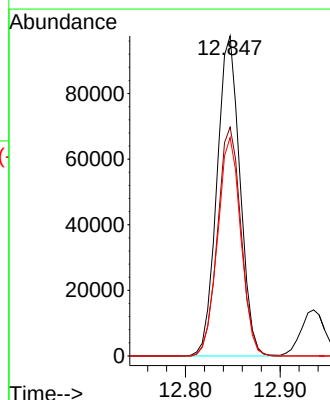
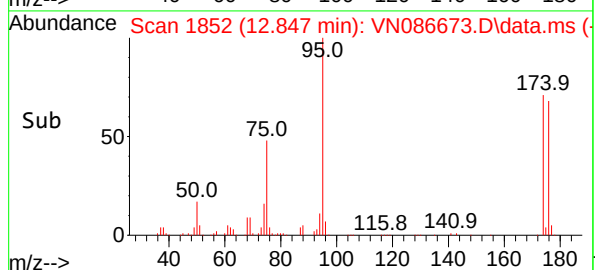
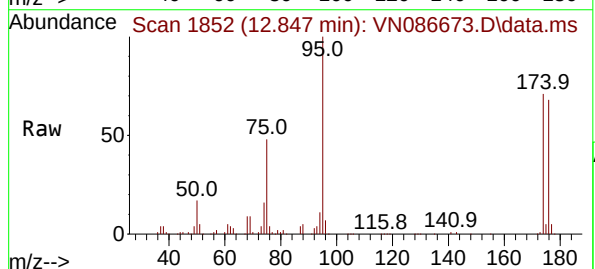
Manual Integrations
APPROVED

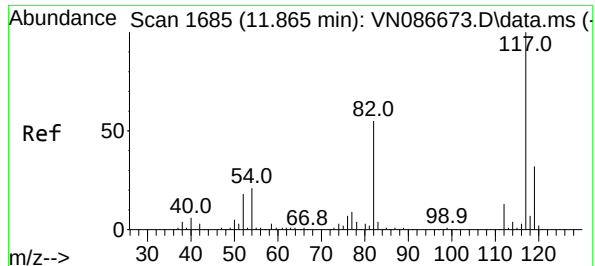
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#62
4-Bromofluorobenzene
Concen: 49.931 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Tgt Ion: 95 Resp: 164814
Ion Ratio Lower Upper
95 100
174 72.7 0.0 145.4
176 68.9 0.0 137.8





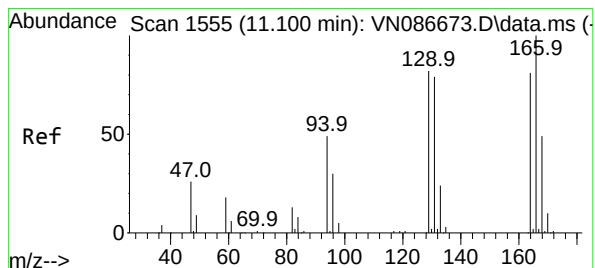
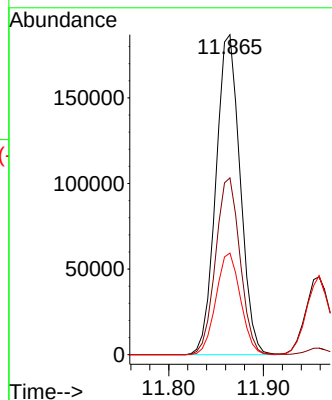
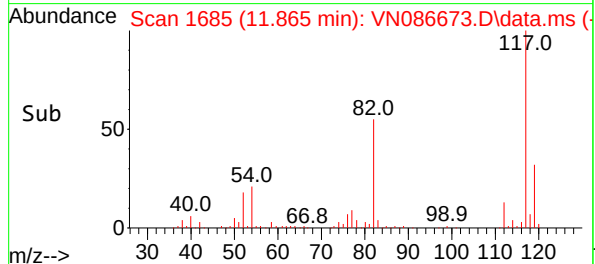
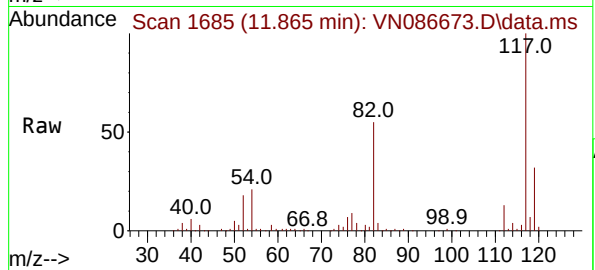
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 33319
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 31.8 25.4 38.2

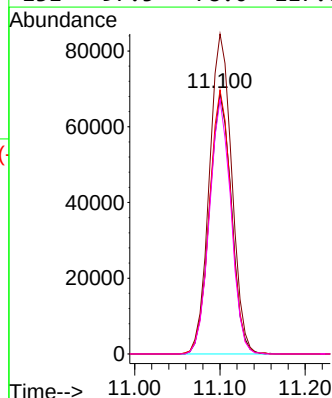
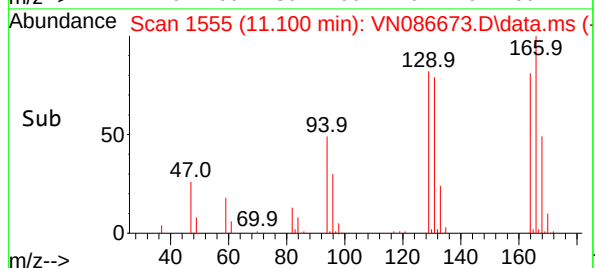
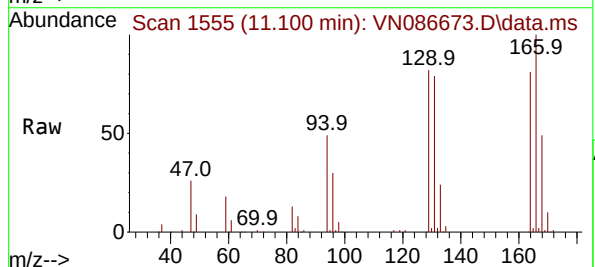
Manual Integrations
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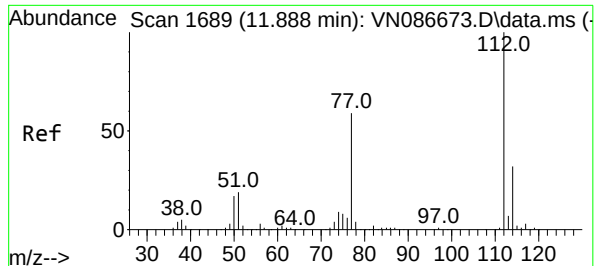
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#64
Tetrachloroethene
Concen: 48.018 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Tgt Ion:164 Resp: 122991
Ion Ratio Lower Upper
164 100
166 122.8 98.2 147.4
129 101.2 81.0 121.4
131 97.5 78.0 117.0





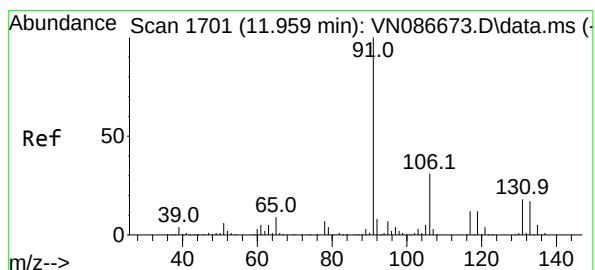
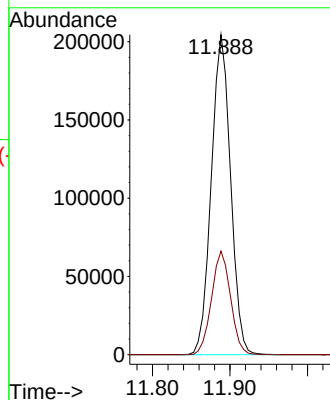
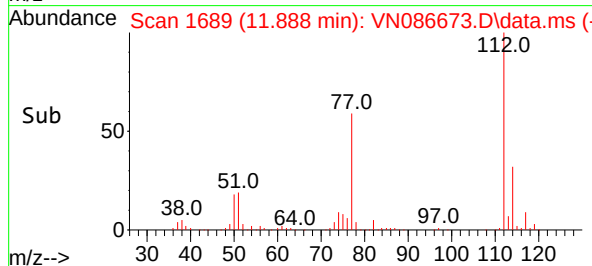
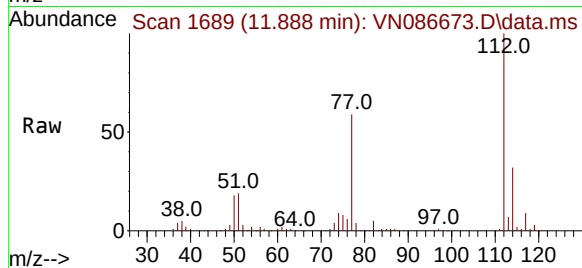
#65
Chlorobenzene
Concen: 47.433 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 353200
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9

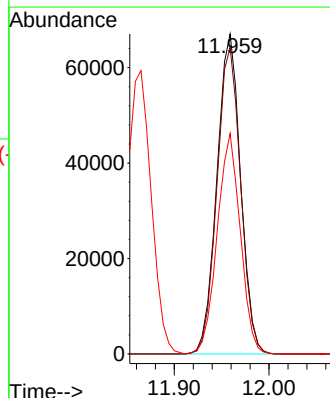
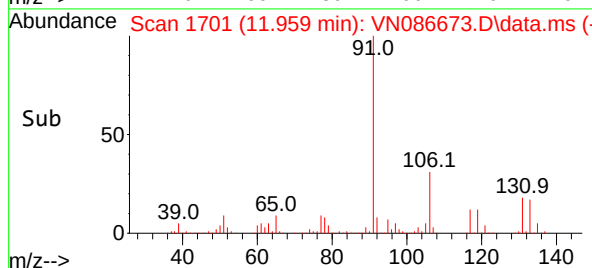
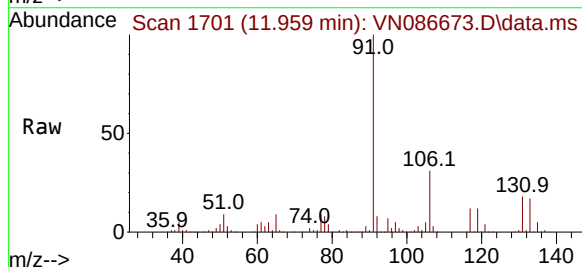
Manual Integrations
APPROVED

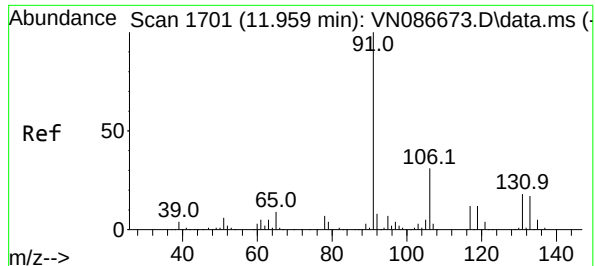
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 47.425 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Tgt Ion:131 Resp: 116442
Ion Ratio Lower Upper
131 100
133 95.8 47.9 143.7
119 67.2 33.6 100.8





#67

Ethyl Benzene

Concen: 46.525 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 621554

Ion Ratio Lower Upper

91 100

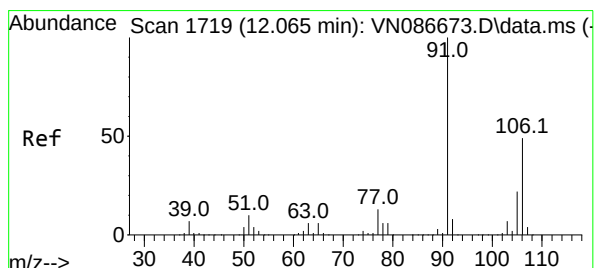
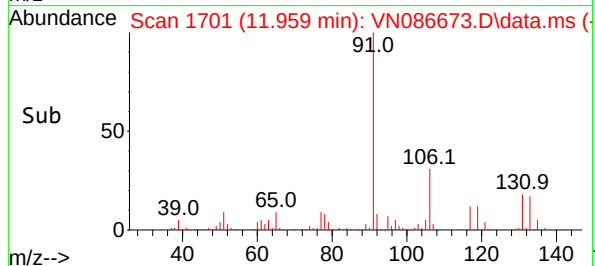
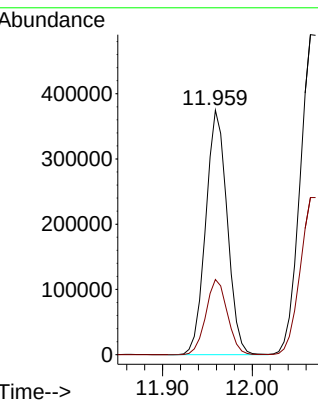
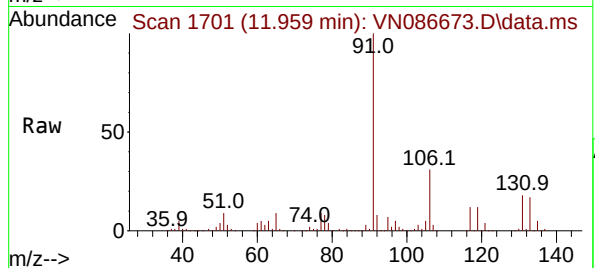
106 30.7 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#68

m/p-Xylenes

Concen: 95.244 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. 0.000 min

Lab File: VN086673.D

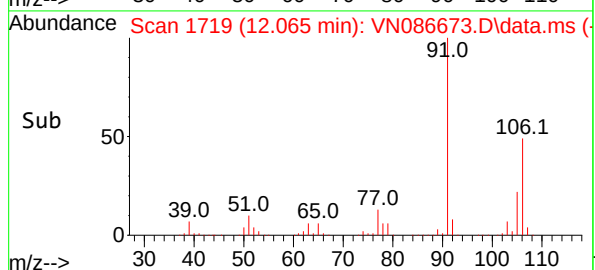
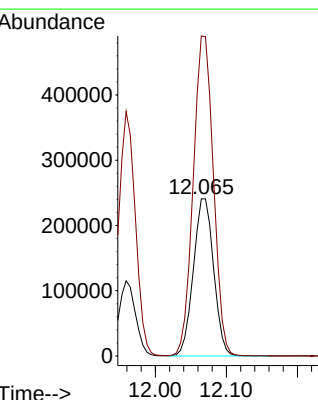
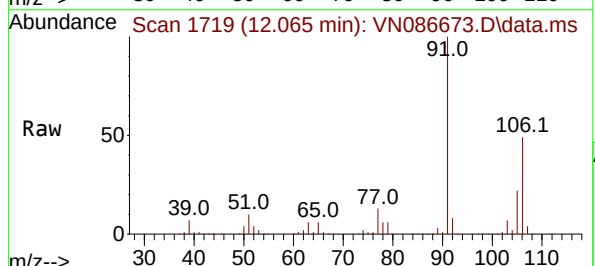
Acq: 16 May 2025 18:08

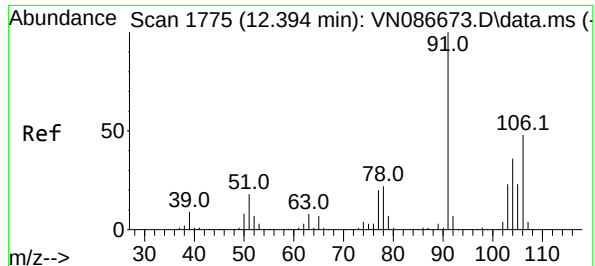
Tgt Ion:106 Resp: 477853

Ion Ratio Lower Upper

106 100

91 203.0 162.4 243.6





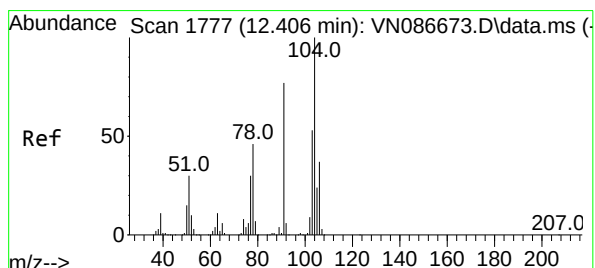
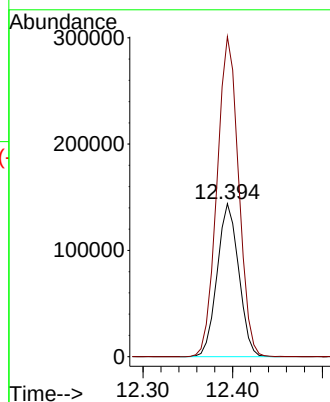
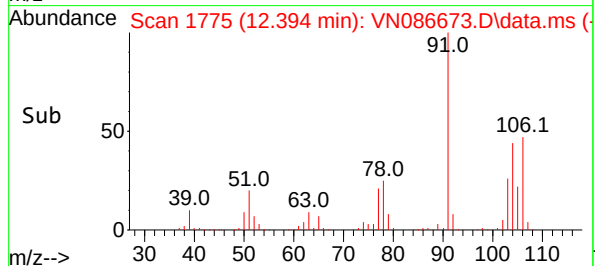
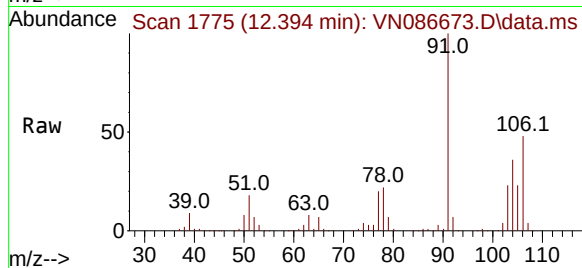
#69
o-Xylene
Concen: 48.249 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 240345
Ion Ratio Lower Upper
106 100
91 210.1 105.1 315.1

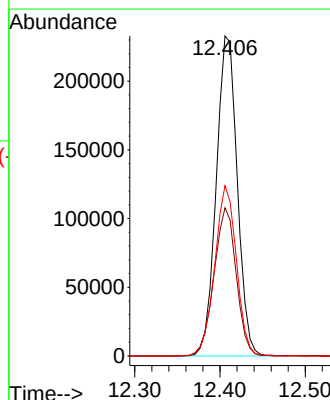
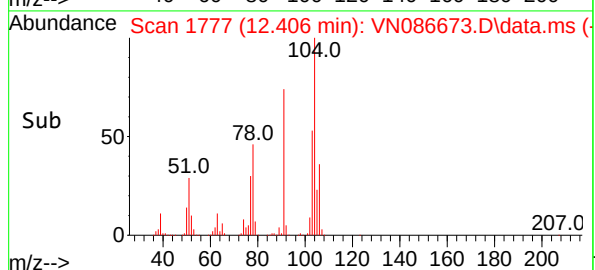
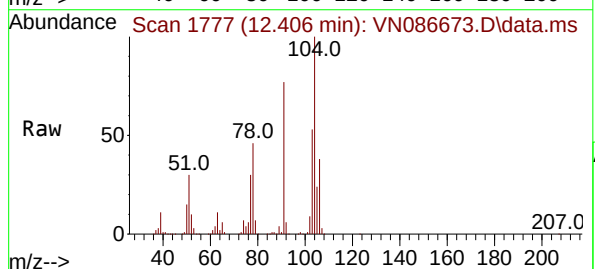
Manual Integrations
APPROVED

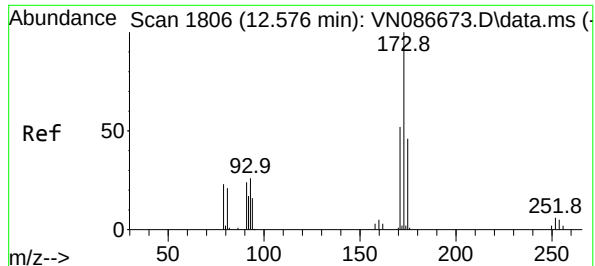
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#70
Styrene
Concen: 48.396 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

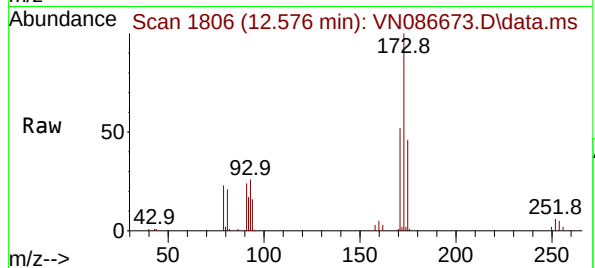
Tgt Ion:104 Resp: 399975
Ion Ratio Lower Upper
104 100
78 48.8 39.0 58.6
103 54.8 43.8 65.8





#71
Bromoform
Concen: 47.062 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

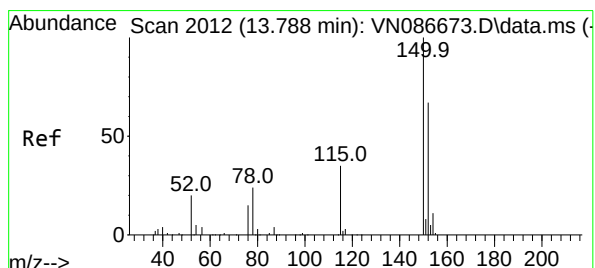
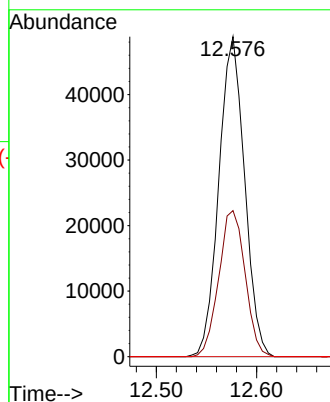
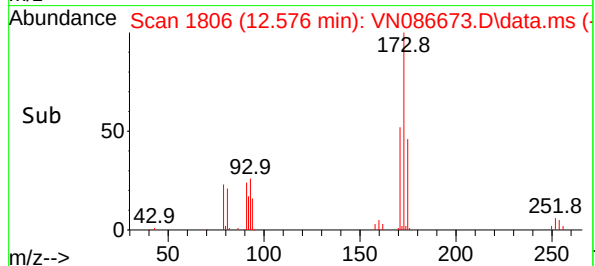
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



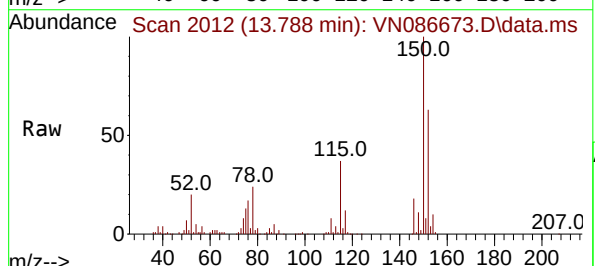
Tgt Ion:173 Resp: 86917
Ion Ratio Lower Upper
173 100
175 46.8 23.4 70.2
254 0.0 0.0 0.0

Manual Integrations
APPROVED

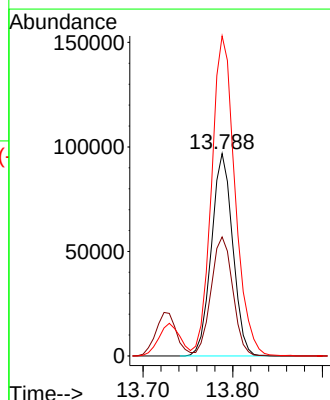
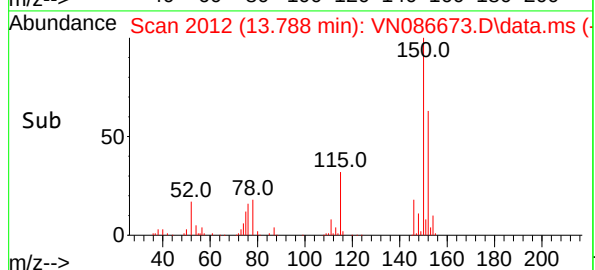
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

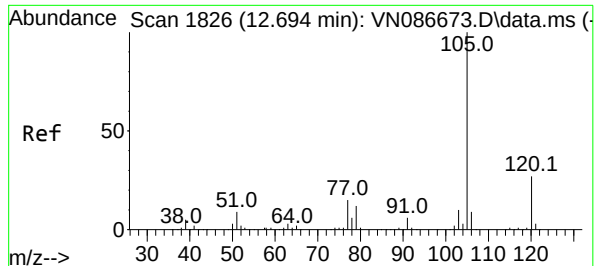


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08



Tgt Ion:152 Resp: 159539
Ion Ratio Lower Upper
152 100
115 60.1 30.0 90.1
150 173.9 0.0 347.8





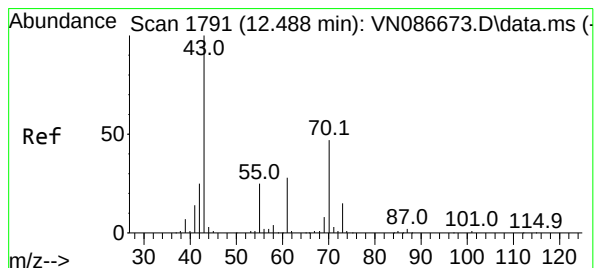
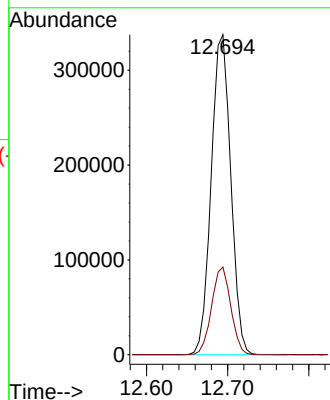
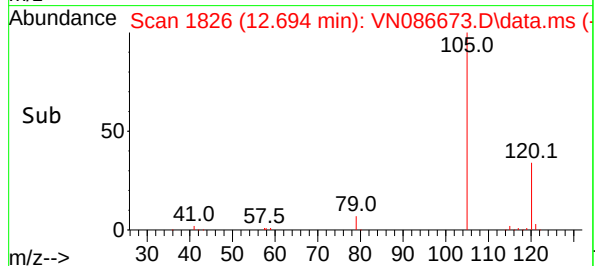
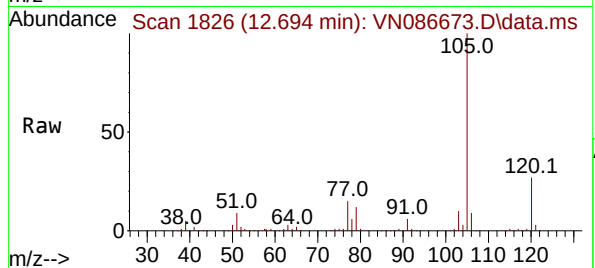
#73
Isopropylbenzene
Concen: 43.614 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 564854
Ion Ratio Lower Upper
105 100
120 26.7 13.4 40.1

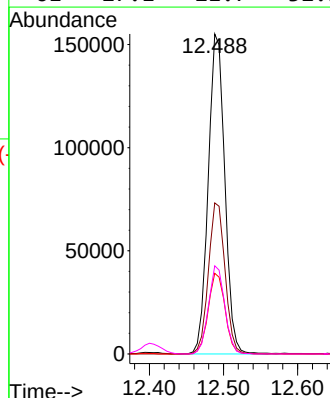
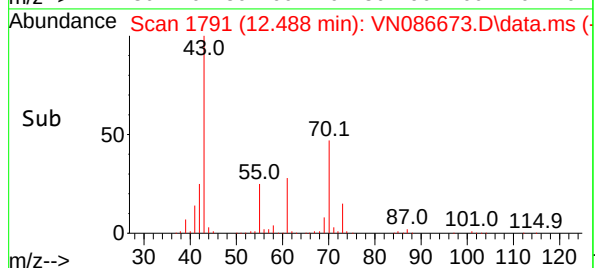
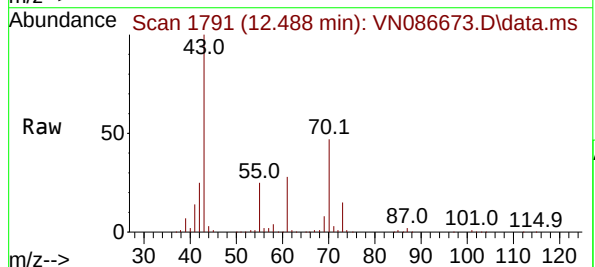
Manual Integrations
APPROVED

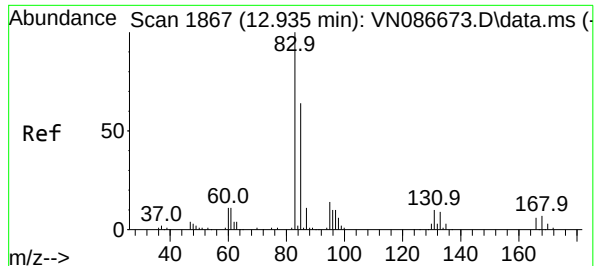
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#74
N-ethyl acetate
Concen: 37.908 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

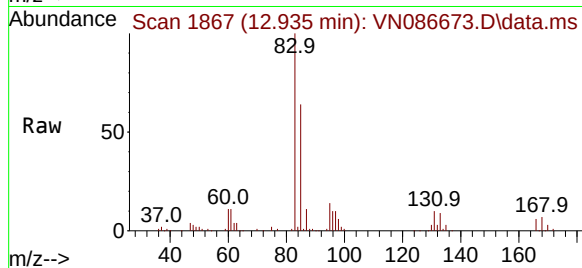
Tgt Ion: 43 Resp: 240871
Ion Ratio Lower Upper
43 100
70 47.4 37.9 56.9
55 25.6 20.5 30.7
61 27.1 21.7 32.5





#75
1,1,2,2-Tetrachloroethane
Concen: 44.680 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

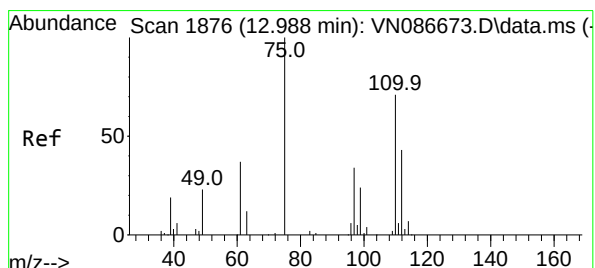
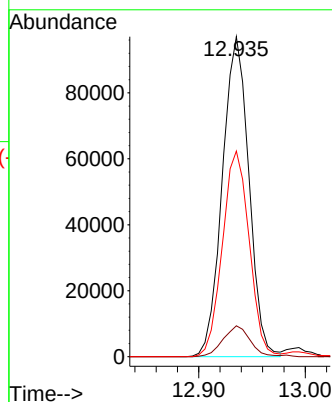
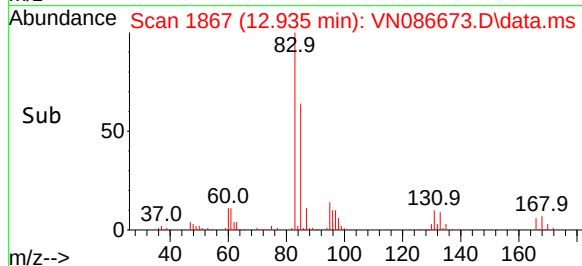
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 83 Resp: 168088
Ion Ratio Lower Upper
83 100
131 10.0 5.0 15.0
85 64.8 32.4 97.2

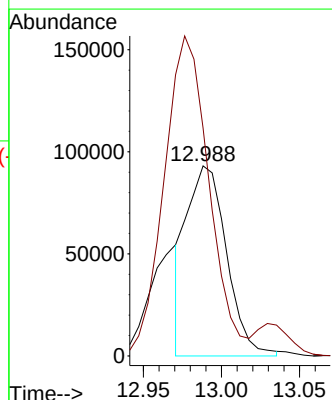
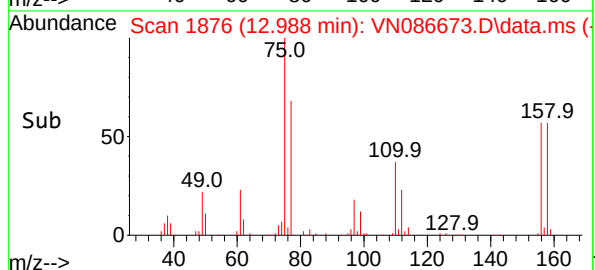
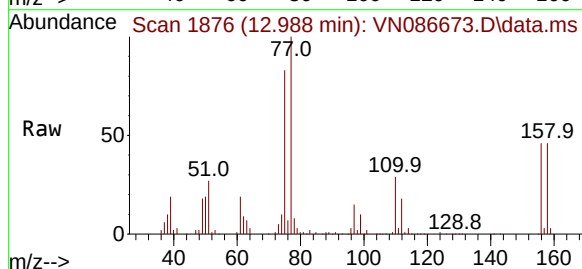
Manual Integrations
APPROVED

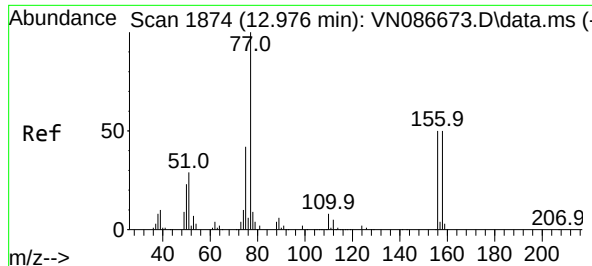
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#76
1,2,3-Trichloropropane
Concen: 44.062 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Tgt Ion: 75 Resp: 165513
Ion Ratio Lower Upper
75 100
77 190.0 96.0 288.1





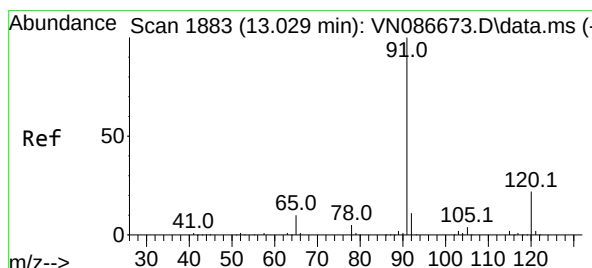
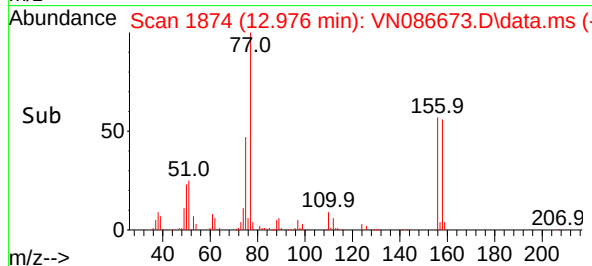
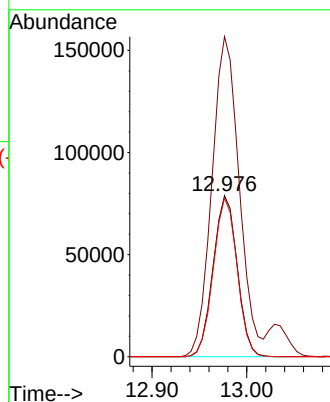
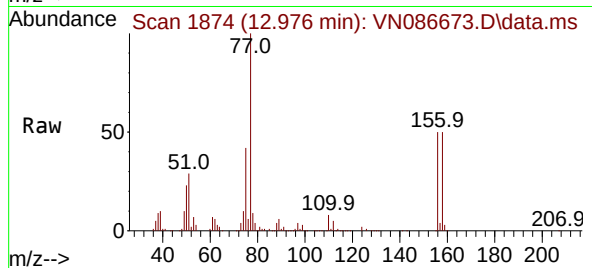
#77
Bromobenzene
Concen: 47.906 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 139072
Ion Ratio Lower Upper
156 100
77 226.1 113.1 339.2
158 97.3 48.6 145.9

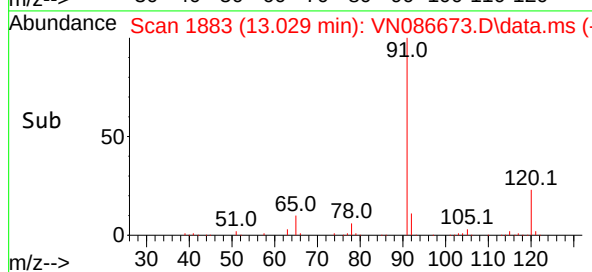
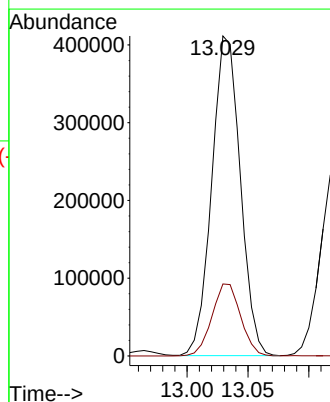
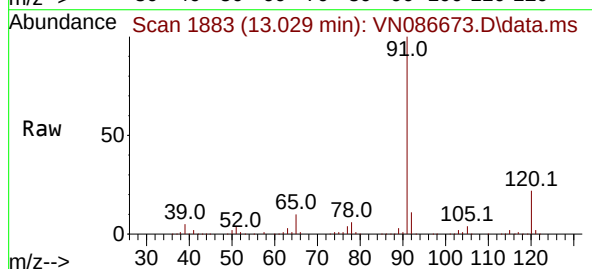
Manual Integrations
APPROVED

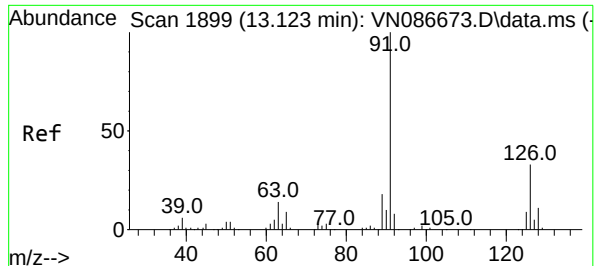
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#78
n-propylbenzene
Concen: 43.966 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Tgt Ion: 91 Resp: 669285
Ion Ratio Lower Upper
91 100
120 22.7 11.4 34.1





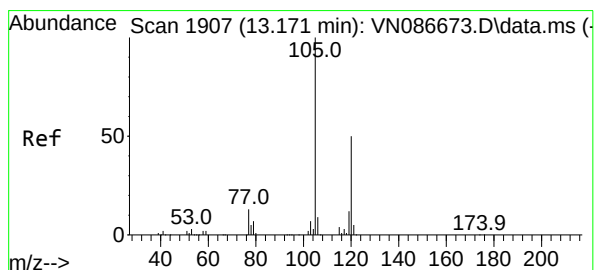
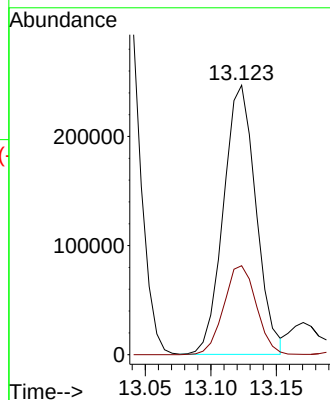
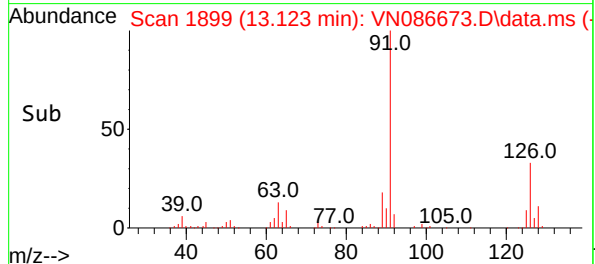
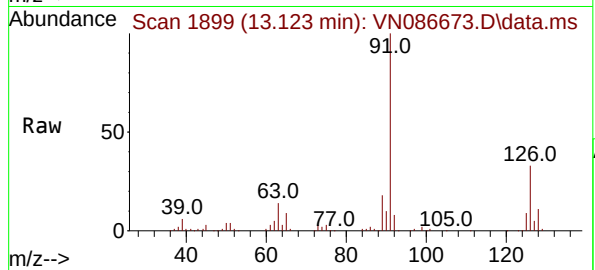
#79
2-Chlorotoluene
Concen: 44.441 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 425470
Ion Ratio Lower Upper
91 100
126 33.1 16.6 49.7

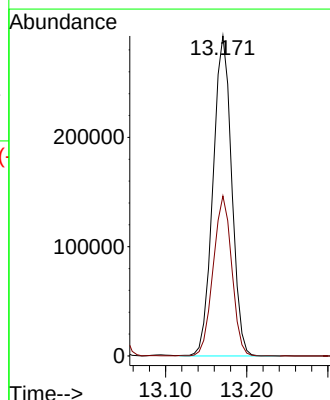
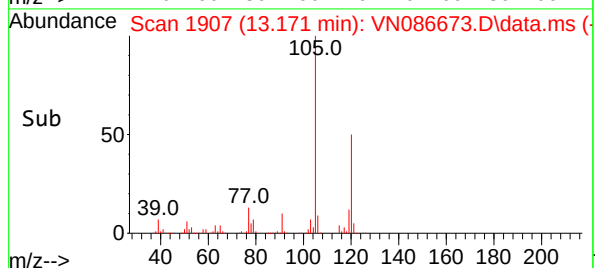
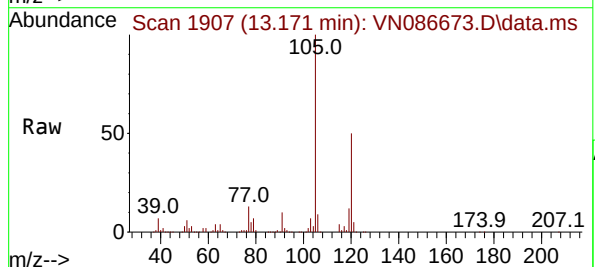
Manual Integrations
APPROVED

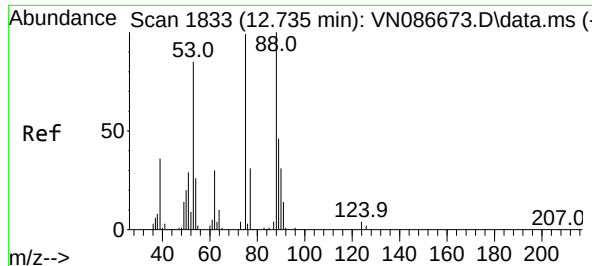
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#80
1,3,5-Trimethylbenzene
Concen: 44.125 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

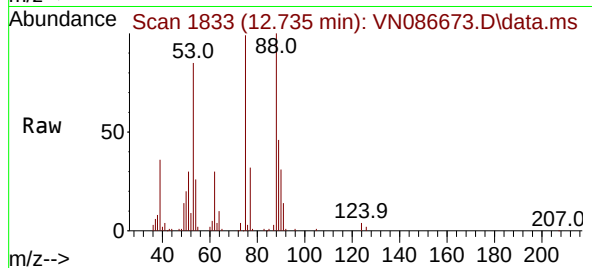
Tgt Ion:105 Resp: 467786
Ion Ratio Lower Upper
105 100
120 49.7 24.9 74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 45.952 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

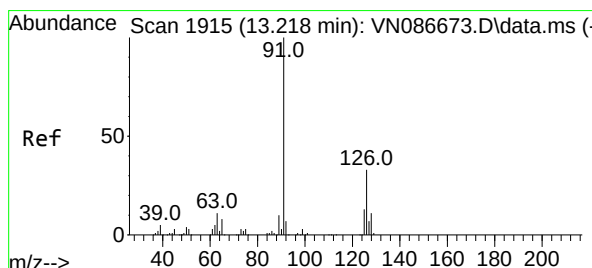
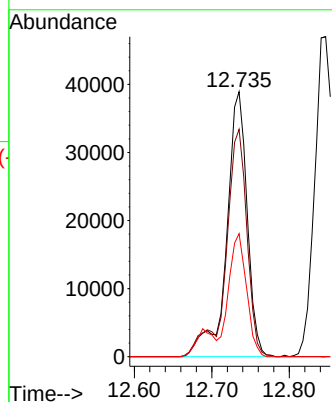
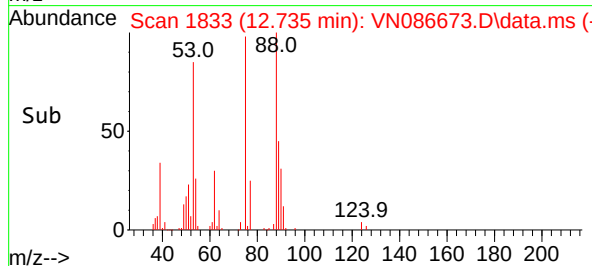
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 75 Resp: 71690
Ion Ratio Lower Upper
75 100
53 88.0 70.4 105.6
89 40.5 32.4 48.6

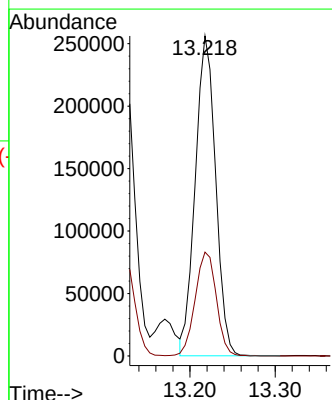
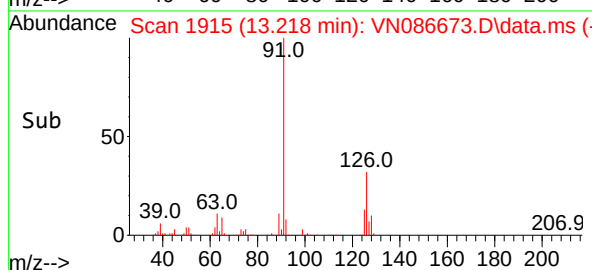
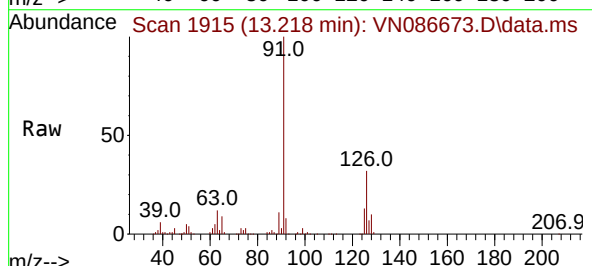
Manual Integrations
APPROVED

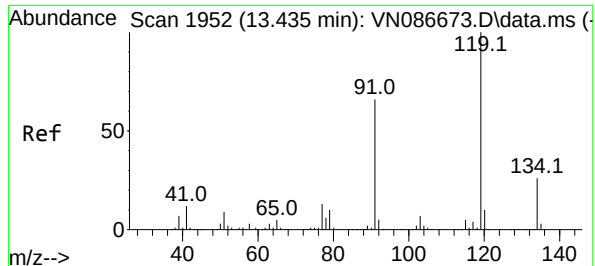
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#82
4-Chlorotoluene
Concen: 44.713 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Tgt Ion: 91 Resp: 423764
Ion Ratio Lower Upper
91 100
126 33.9 17.0 50.9





#83

tert-Butylbenzene

Concen: 43.347 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

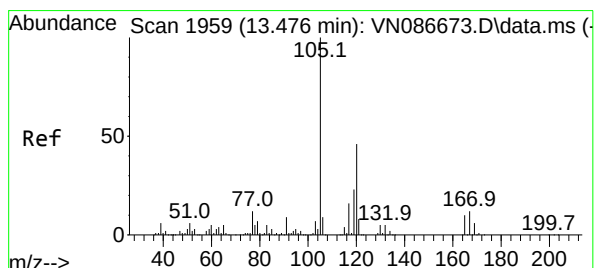
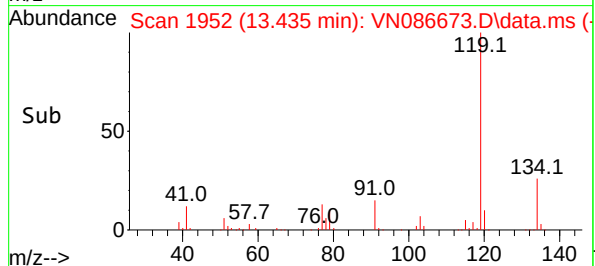
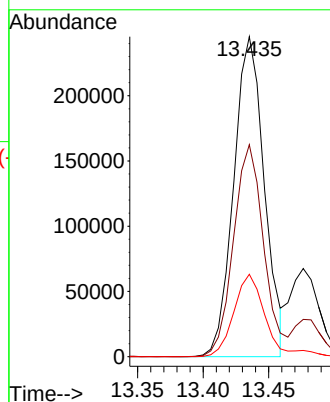
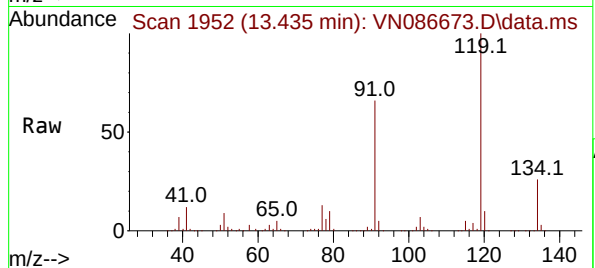
Tgt Ion:119 Resp: 398679
Ion Ratio Lower Upper
119 100
91 65.8 32.9 98.7
134 26.7 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#84

1,2,4-Trimethylbenzene

Concen: 44.171 ug/l

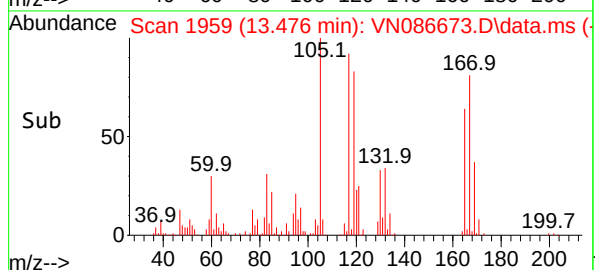
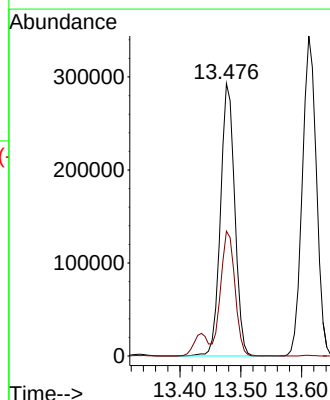
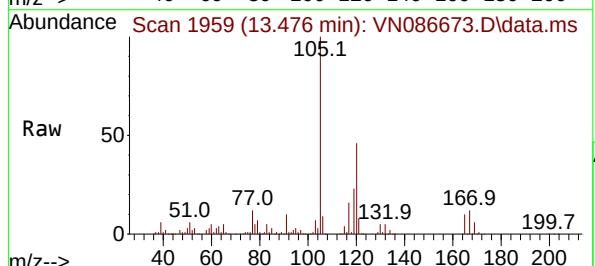
RT: 13.476 min Scan# 1959

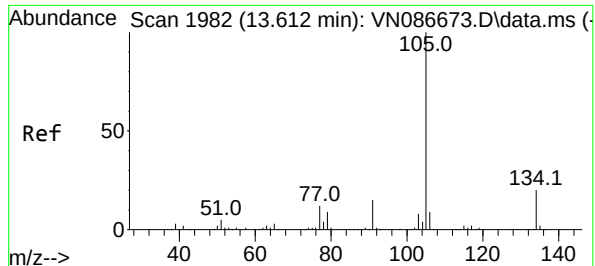
Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

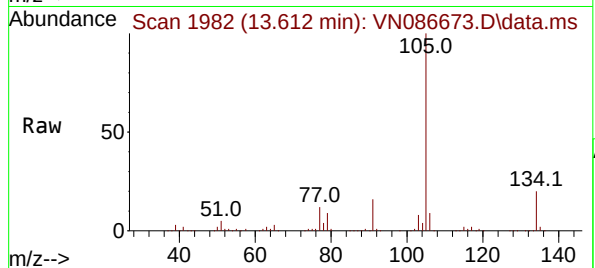
Tgt Ion:105 Resp: 475848
Ion Ratio Lower Upper
105 100
120 46.4 23.2 69.6





#85
sec-Butylbenzene
Concen: 43.492 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

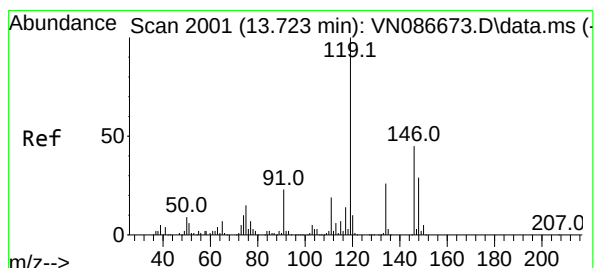
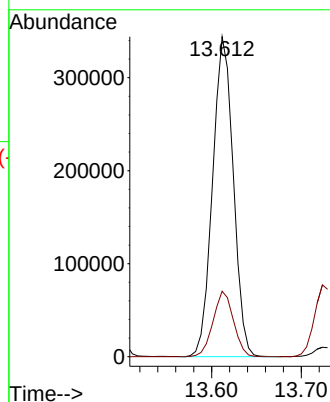
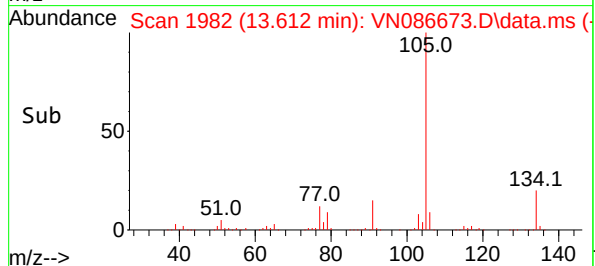
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:105 Resp: 551208
Ion Ratio Lower Upper
105 100
134 20.1 10.1 30.1

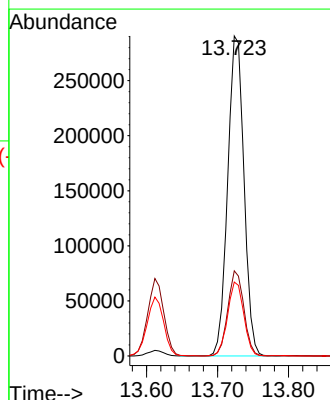
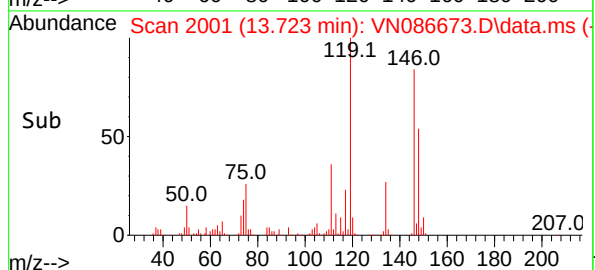
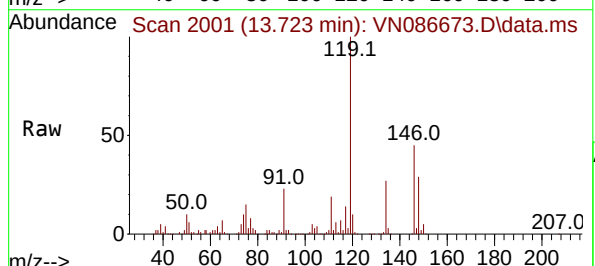
Manual Integrations
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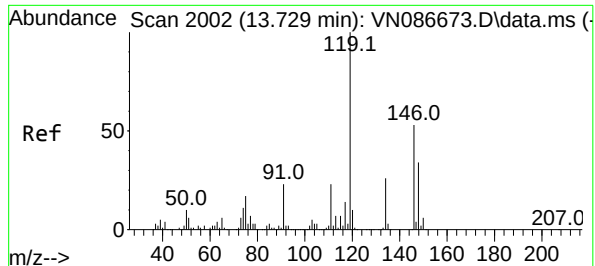
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#86
p-Isopropyltoluene
Concen: 44.309 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Tgt Ion:119 Resp: 462804
Ion Ratio Lower Upper
119 100
134 26.1 13.1 39.1
91 23.0 11.5 34.5





#87

1,3-Dichlorobenzene

Concen: 47.060 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 255624

Ion Ratio Lower Upper

146 100

111 41.8 20.9 62.7

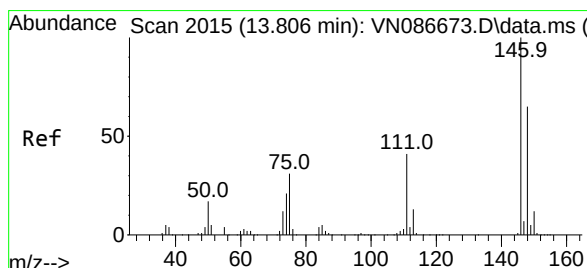
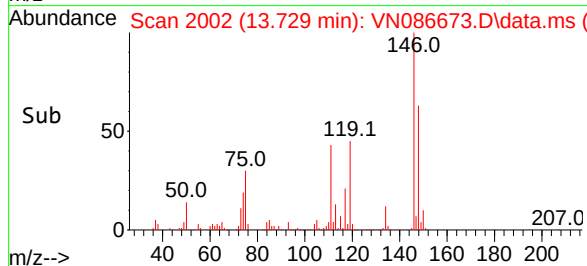
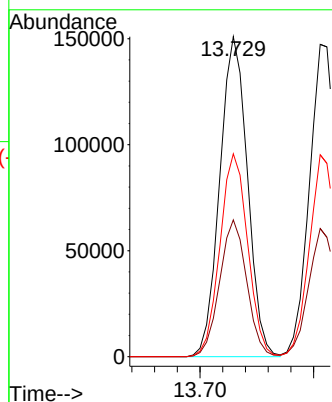
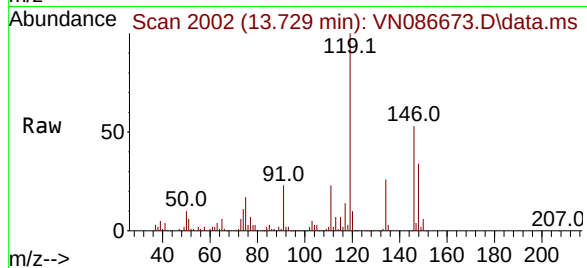
148 63.6 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#88

1,4-Dichlorobenzene

Concen: 46.266 ug/l

RT: 13.806 min Scan# 2015

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

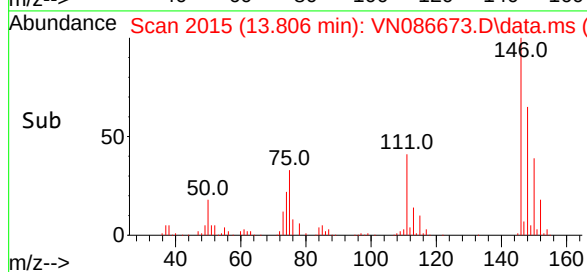
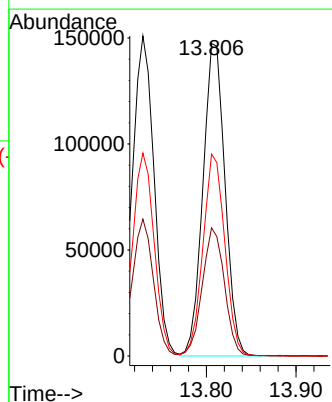
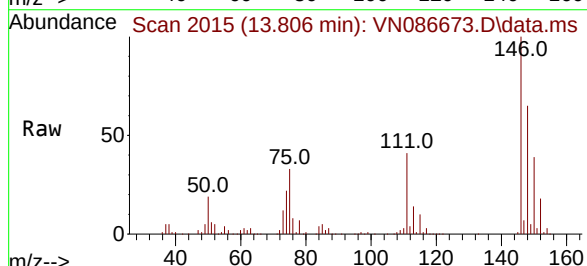
Tgt Ion:146 Resp: 252548

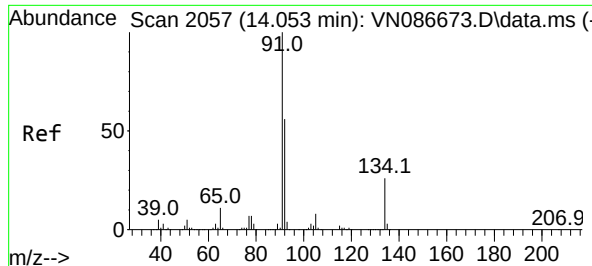
Ion Ratio Lower Upper

146 100

111 41.2 20.6 61.8

148 64.0 32.0 96.0





#89

n-Butylbenzene

Concen: 42.505 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

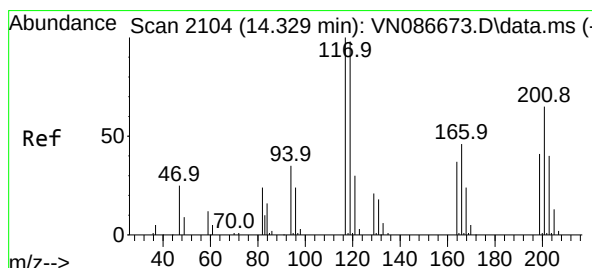
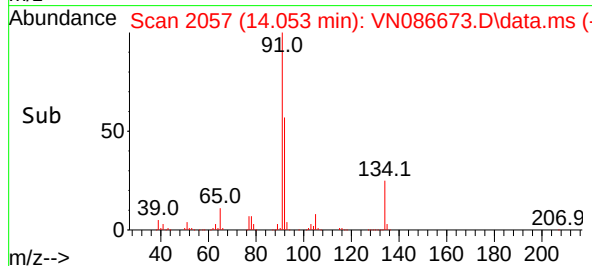
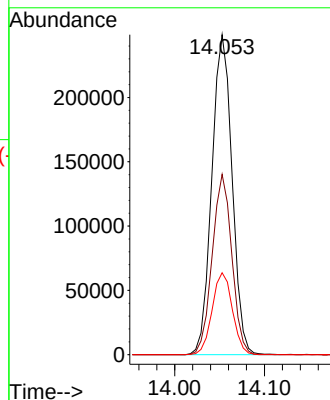
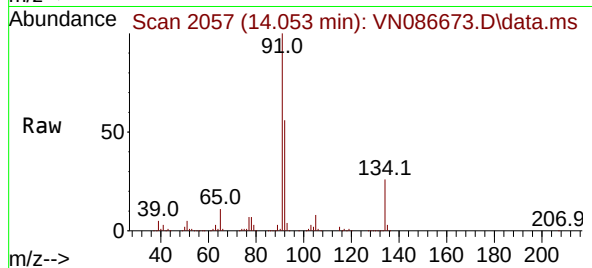
Tgt Ion:	91	Resp:	389739
Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.4	82.0
134	25.6	12.8	38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#90

Hexachloroethane

Concen: 43.139 ug/l

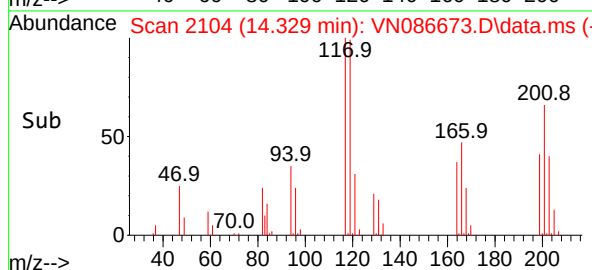
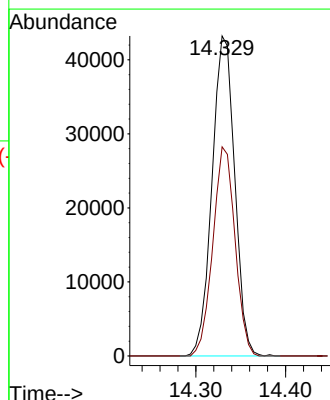
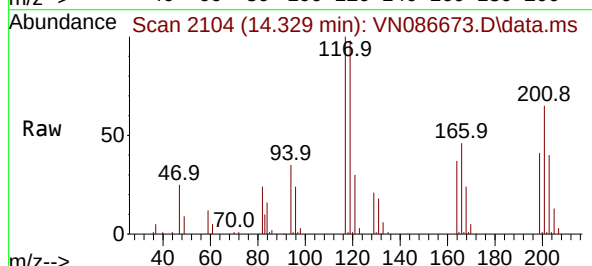
RT: 14.329 min Scan# 2104

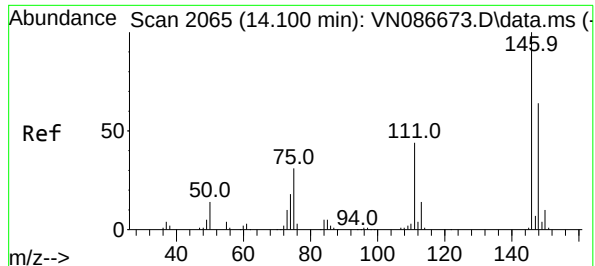
Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

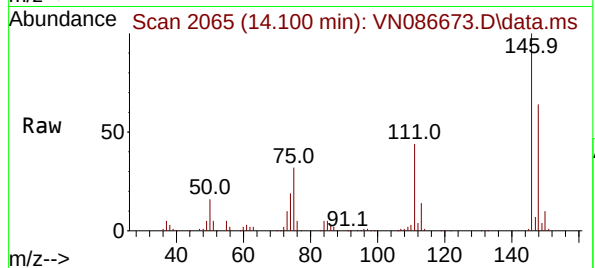
Tgt Ion:	117	Resp:	75794
Ion	Ratio	Lower	Upper
117	100		
201	64.0	32.0	96.0





#91
1,2-Dichlorobenzene
Concen: 46.963 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

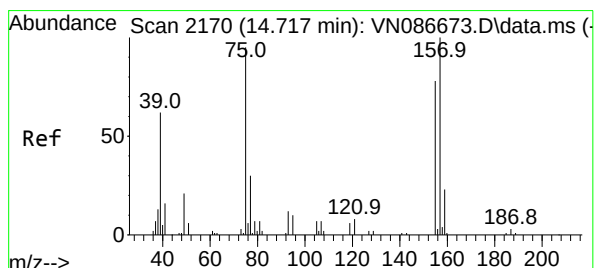
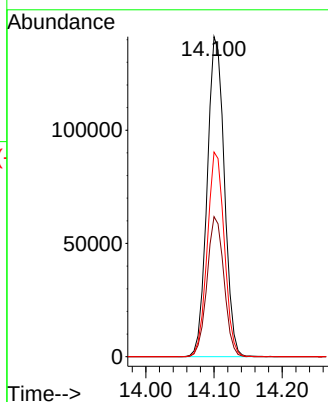
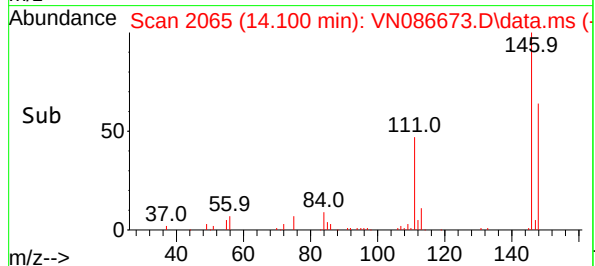
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:146 Resp: 247292
Ion Ratio Lower Upper
146 100
111 43.3 21.6 65.0
148 63.4 31.7 95.1

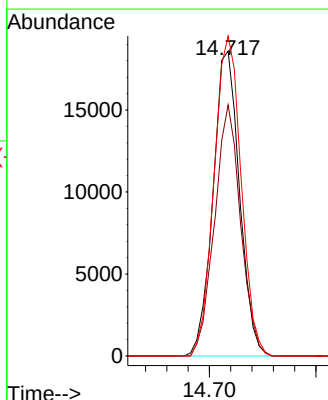
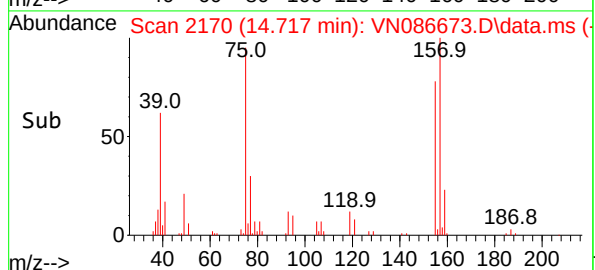
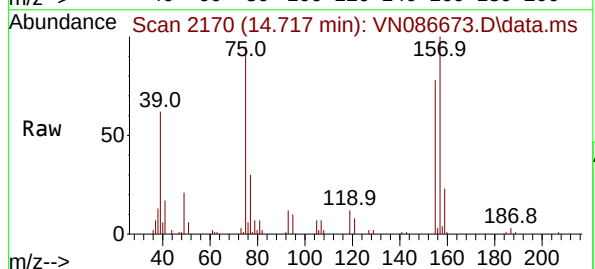
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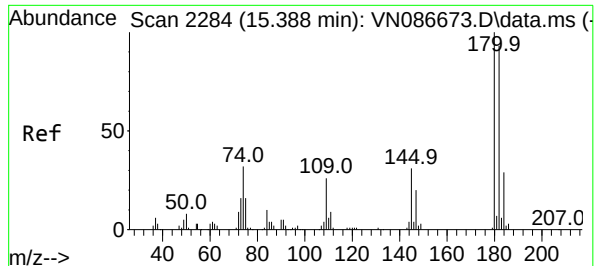
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 42.959 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Tgt Ion: 75 Resp: 32007
Ion Ratio Lower Upper
75 100
155 81.0 40.5 121.5
157 107.2 53.6 160.8





#93

1,2,4-Trichlorobenzene

Concen: 44.128 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:180 Resp: 10951

Ion Ratio Lower Upper

180 100

182 94.2 47.1 141.3

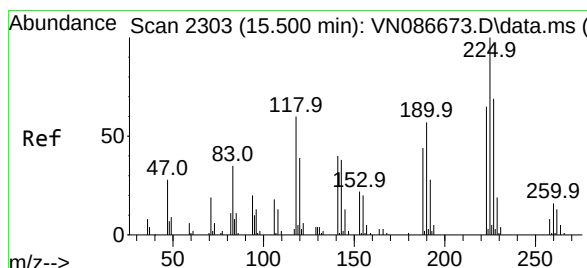
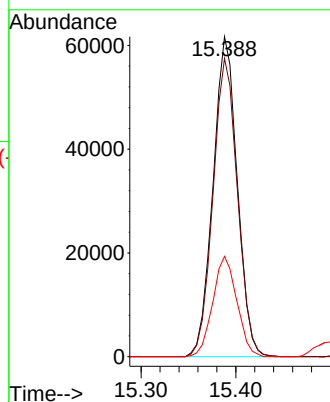
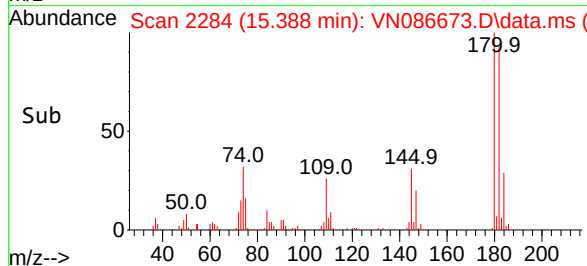
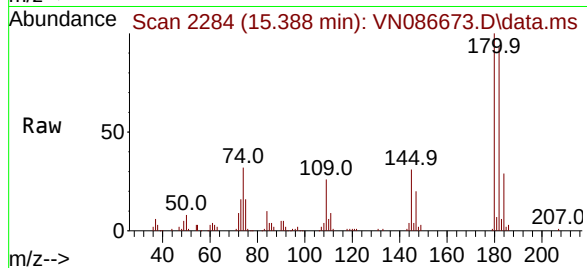
145 31.2 15.6 46.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#94

Hexachlorobutadiene

Concen: 44.437 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VN086673.D

Acq: 16 May 2025 18:08

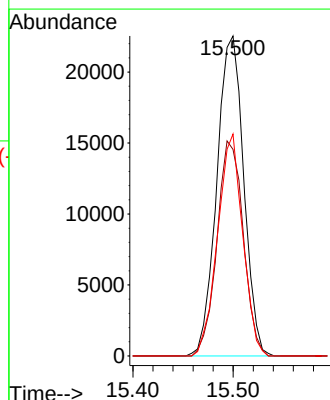
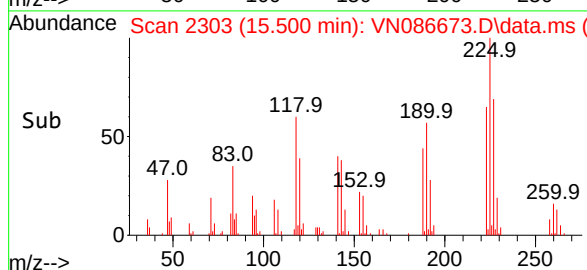
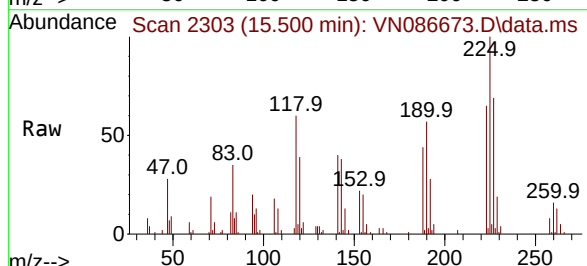
Tgt Ion:225 Resp: 41916

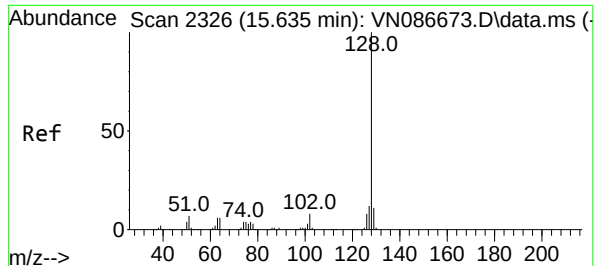
Ion Ratio Lower Upper

225 100

223 65.7 32.9 98.6

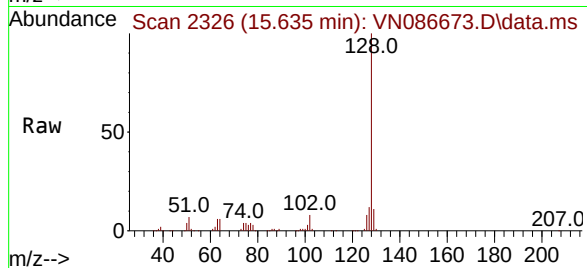
227 64.8 32.4 97.2





#95
Naphthalene
Concen: 43.787 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

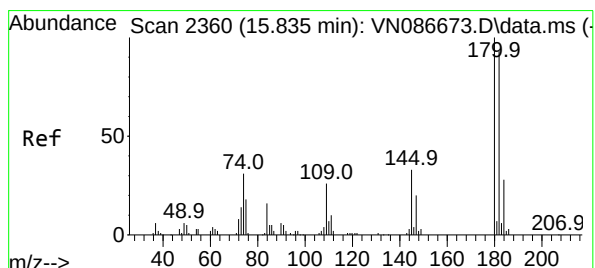
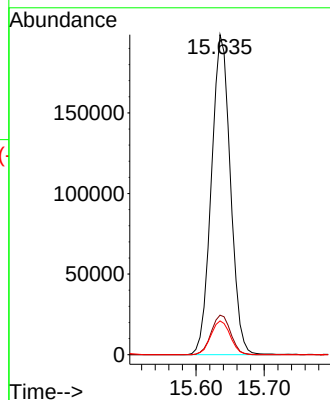
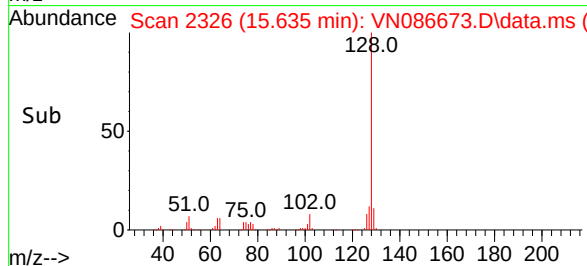
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:128 Resp: 385710
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.8 8.6 13.0

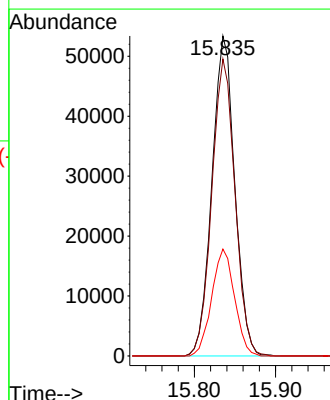
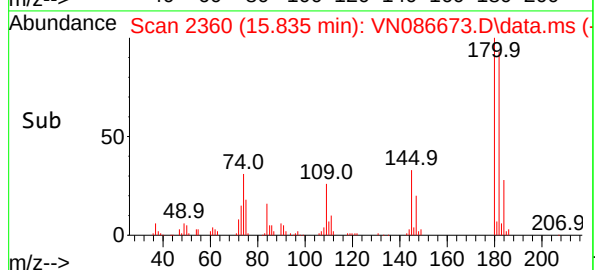
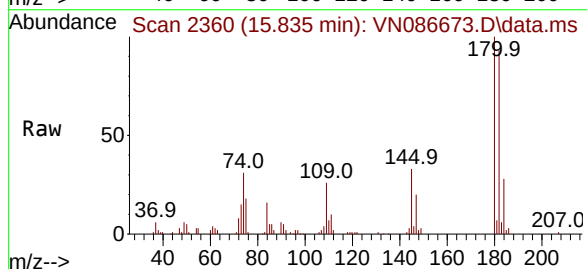
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 44.139 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086673.D
Acq: 16 May 2025 18:08

Tgt Ion:180 Resp: 104176
Ion Ratio Lower Upper
180 100
182 94.1 47.0 141.2
145 33.4 16.7 50.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
 Data File : VN086674.D
 Acq On : 16 May 2025 18:32
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: May 17 00:17:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:09:38 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/19/2025
 Supervised By : Mahesh Dadoda 05/19/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	212535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	385603	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	356581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	159823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	296706	96.970	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 193.940%#			
35) Dibromofluoromethane	8.165	113	239789	124.964	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 249.920%#			
50) Toluene-d8	10.565	98	1021539	106.809	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 213.620%#			
62) 4-Bromofluorobenzene	12.847	95	370788	106.718	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 213.440%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	272626	107.954	ug/l	99
3) Chloromethane	2.359	50	361119	98.097	ug/l	98
4) Vinyl Chloride	2.512	62	336647	97.082	ug/l	99
5) Bromomethane	2.930	94	175755	109.049	ug/l	97
6) Chloroethane	3.106	64	208872	90.254	ug/l	96
7) Trichlorofluoromethane	3.494	101	393305	101.309	ug/l	96
8) Diethyl Ether	3.959	74	162276	96.605	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	233520	99.655	ug/l	99
10) Methyl Iodide	4.583	142	299898	114.531	ug/l	99
11) Tert butyl alcohol	5.518	59	267486	477.347	ug/l	98
12) 1,1-Dichloroethene	4.336	96	247923	99.203	ug/l	98
13) Acrolein	4.177	56	295287	773.336	ug/l	99
14) Allyl chloride	5.018	41	371902	85.045	ug/l	99
15) Acrylonitrile	5.712	53	701724	506.348	ug/l	99
16) Acetone	4.424	43	539112	439.506	ug/l	99
17) Carbon Disulfide	4.712	76	710987	95.061	ug/l	100
18) Methyl Acetate	5.018	43	291114	80.520	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	842311	92.293	ug/l	99
20) Methylene Chloride	5.271	84	290581	101.686	ug/l	97
21) trans-1,2-Dichloroethene	5.788	96	260585	99.571	ug/l	99
22) Diisopropyl ether	6.671	45	840075	88.050	ug/l	98
23) Vinyl Acetate	6.600	43	3184524	472.168	ug/l	99
24) 1,1-Dichloroethane	6.565	63	491576	96.742	ug/l	99
25) 2-Butanone	7.477	43	887511	466.747	ug/l	100
26) 2,2-Dichloropropane	7.488	77	391899	87.002	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	320382	98.737	ug/l	99
28) Bromochloromethane	7.812	49	212881	97.978	ug/l	98
29) Tetrahydrofuran	7.835	42	582167	457.944	ug/l	100
30) Chloroform	7.965	83	481570	96.199	ug/l	98
31) Cyclohexane	8.253	56	430663	87.454	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	412582	96.254	ug/l	98
36) 1,1-Dichloropropene	8.365	75	358680	100.608	ug/l	99
37) Ethyl Acetate	7.559	43	345729	92.202	ug/l	100
38) Carbon Tetrachloride	8.359	117	350376	102.652	ug/l	99
39) Methylcyclohexane	9.600	83	395616	94.309	ug/l	99
40) Benzene	8.606	78	1146502	100.185	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
 Data File : VN086674.D
 Acq On : 16 May 2025 18:32
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2025
 Supervised By : Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:17:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:09:38 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	189373	88.081	ug/l	98
42) 1,2-Dichloroethane	8.665	62	348779	95.719	ug/l	99
43) Isopropyl Acetate	8.682	43	601666	67.195	ug/l	98
44) Trichloroethene	9.347	130	281707	103.544	ug/l	99
45) 1,2-Dichloropropane	9.618	63	271732	97.526	ug/l	100
46) Dibromomethane	9.706	93	183465	102.669	ug/l	100
47) Bromodichloromethane	9.888	83	383086	99.439	ug/l	97
48) Methyl methacrylate	9.676	41	282329	86.928	ug/l	99
49) 1,4-Dioxane	9.694	88	112938	1965.825	ug/l	96
51) 4-Methyl-2-Pentanone	10.441	43	1801423	472.646	ug/l	98
52) Toluene	10.629	92	729998	102.251	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	427269	100.206	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	451979	96.359	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	260447	101.145	ug/l	99
56) Ethyl methacrylate	10.870	69	460358	97.988	ug/l	99
57) 1,3-Dichloropropane	11.159	76	458200	100.514	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	1060521	480.691	ug/l	100
59) 2-Hexanone	11.194	43	1333834	471.399	ug/l	98
60) Dibromochloromethane	11.359	129	295955	105.038	ug/l	99
61) 1,2-Dibromoethane	11.465	107	273192	104.827	ug/l	99
64) Tetrachloroethene	11.100	164	279652	102.021	ug/l	98
65) Chlorobenzene	11.888	112	805636	101.096	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	261746	99.614	ug/l	99
67) Ethyl Benzene	11.959	91	1432940	100.224	ug/l	99
68) m/p-Xylenes	12.070	106	1104589	205.723	ug/l	99
69) o-Xylene	12.394	106	541462	101.570	ug/l	98
70) Styrene	12.406	104	918616	103.860	ug/l	100
71) Bromoform	12.576	173	200330	101.356	ug/l #	97
73) Isopropylbenzene	12.694	105	1285698	99.096	ug/l	100
74) N-amyl acetate	12.488	43	527018	82.794	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	369580	98.064	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	361465m	96.057	ug/l	
77) Bromobenzene	12.976	156	313717	107.874	ug/l	99
78) n-propylbenzene	13.035	91	1519746	99.656	ug/l	100
79) 2-Chlorotoluene	13.123	91	941604	98.175	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	1040889	98.009	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	151480	96.916	ug/l	95
82) 4-Chlorotoluene	13.217	91	946308	99.671	ug/l	99
83) tert-Butylbenzene	13.435	119	887979	96.375	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	1053192	97.589	ug/l	100
85) sec-Butylbenzene	13.611	105	1238888	97.578	ug/l	100
86) p-Isopropyltoluene	13.723	119	1042829	99.663	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	548281	100.759	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	547029	100.036	ug/l	99
89) n-Butylbenzene	14.053	91	885854	96.440	ug/l	100
90) Hexachloroethane	14.329	117	177725	100.975	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	511274	96.922	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	68755	92.118	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	249837	100.491	ug/l	99
94) Hexachlorobutadiene	15.494	225	90372	95.636	ug/l	97
95) Naphthalene	15.635	128	871550	98.763	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	236333	99.955	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086674.D
Acq On : 16 May 2025 18:32
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:17:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 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\VN051625\
Data File : VN086674.D
Acq On : 16 May 2025 18:32
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 17 00:17:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration

Instrument :

MSVOA_N

ClientSampleId :

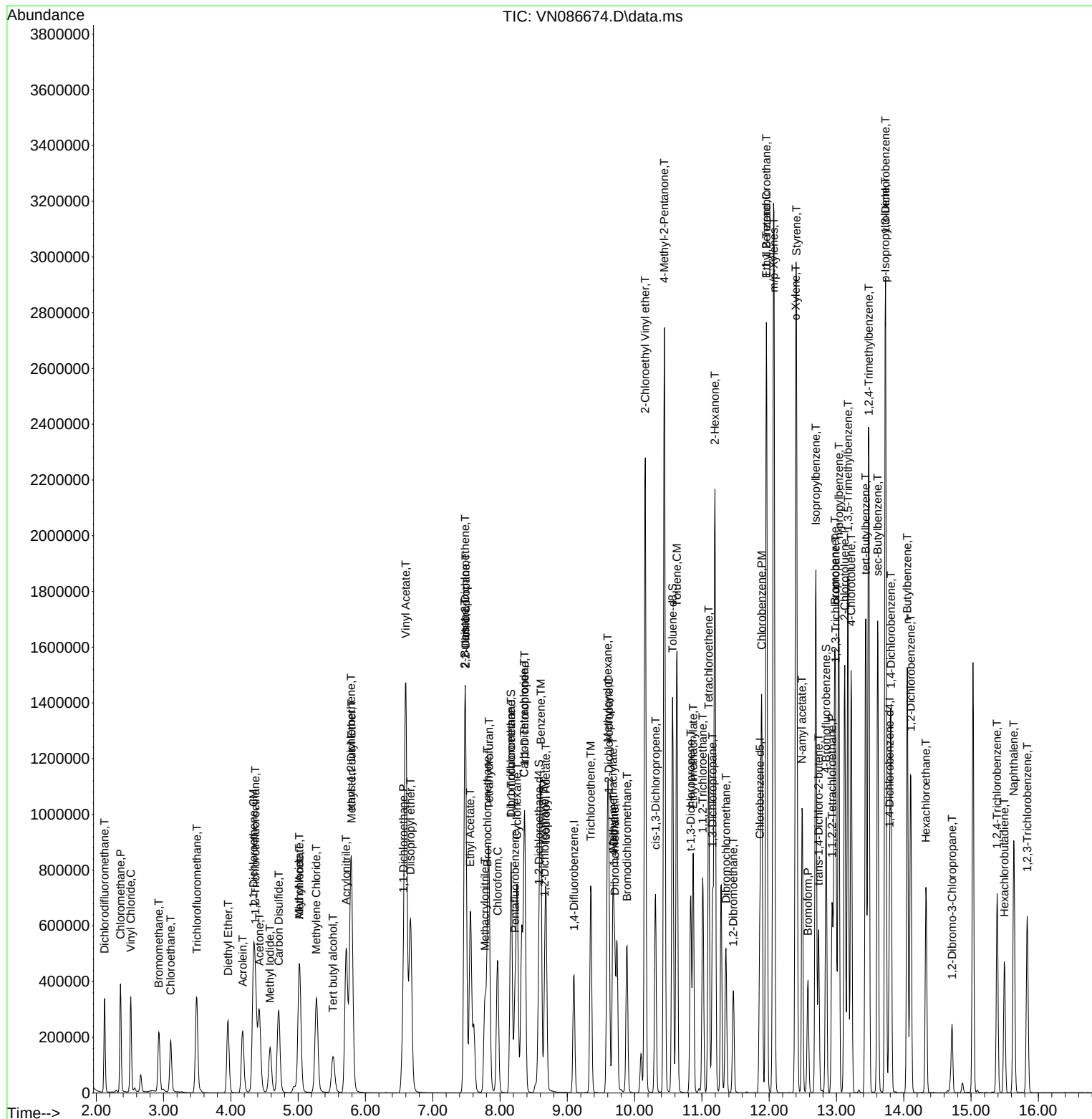
VSTDICC100

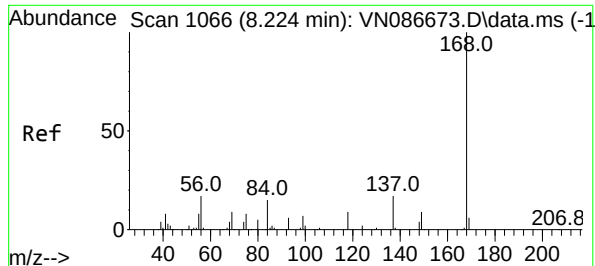
Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

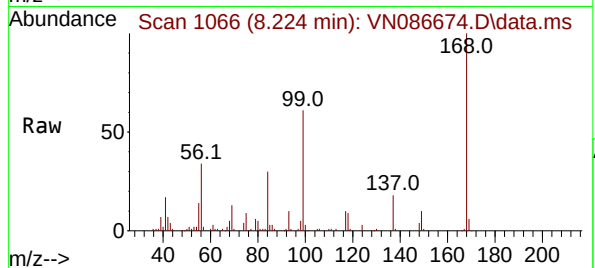
Supervised By :Mahesh Dadoda 05/19/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

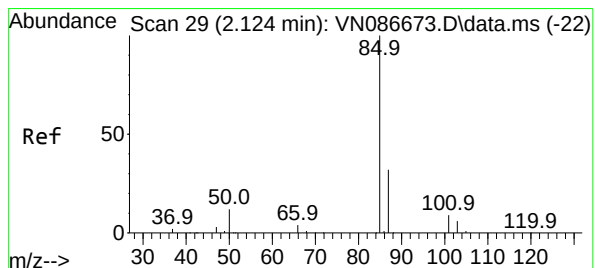
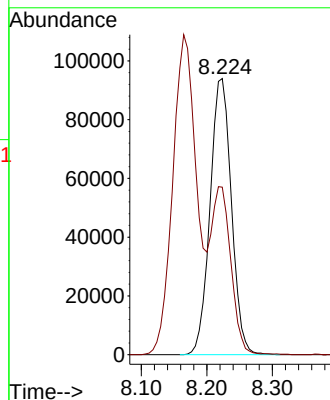
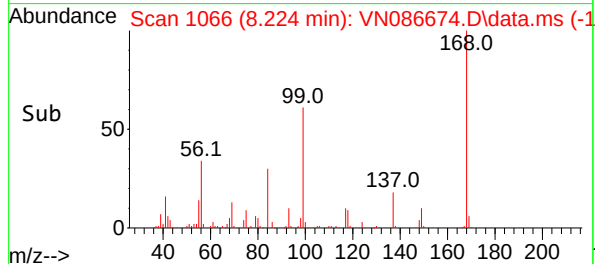
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:168 Resp: 21253
Ion Ratio Lower Upper
168 100
99 60.5 47.0 70.4

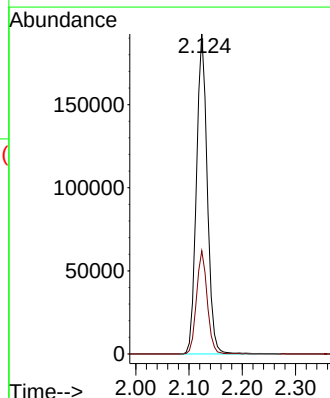
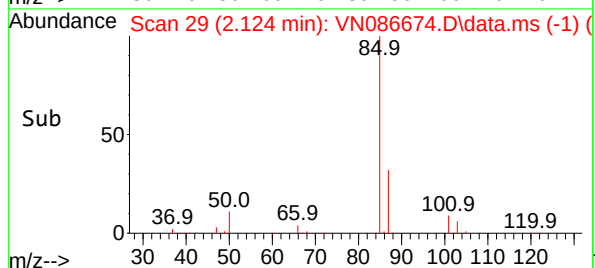
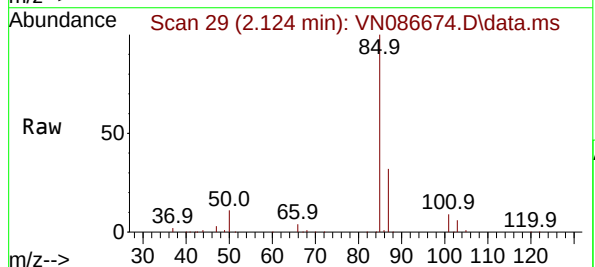
Manual Integrations
APPROVED

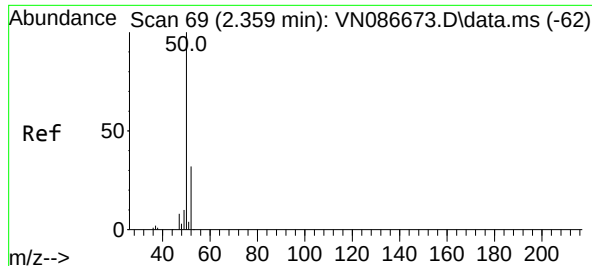
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#2
Dichlorodifluoromethane
Concen: 107.954 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

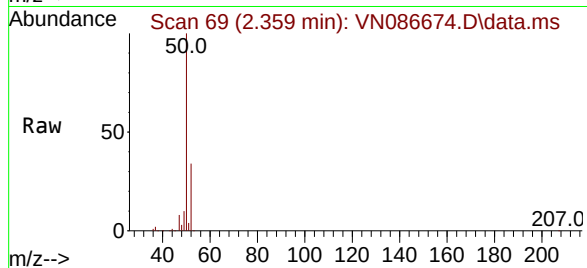
Tgt Ion: 85 Resp: 272626
Ion Ratio Lower Upper
85 100
87 32.3 15.9 47.6





#3
Chloromethane
Concen: 98.097 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

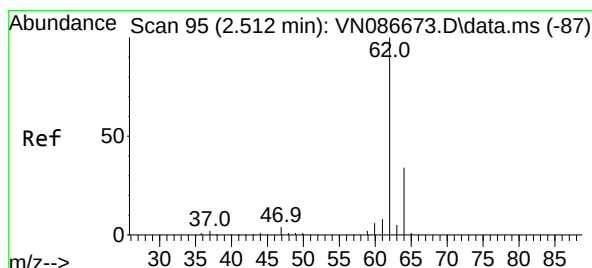
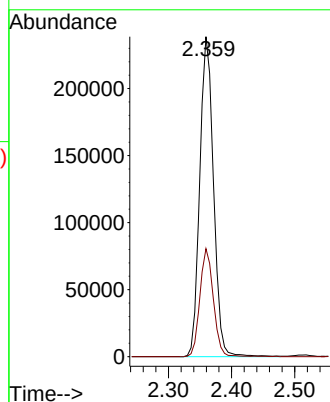
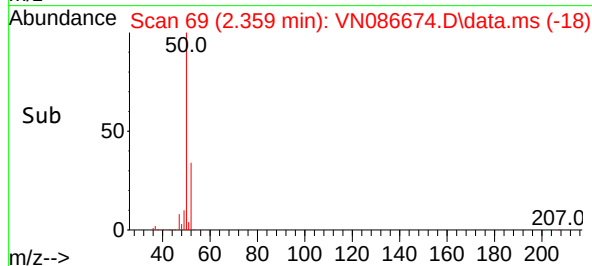
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 50 Resp: 361119
Ion Ratio Lower Upper
50 100
52 33.8 25.9 38.9

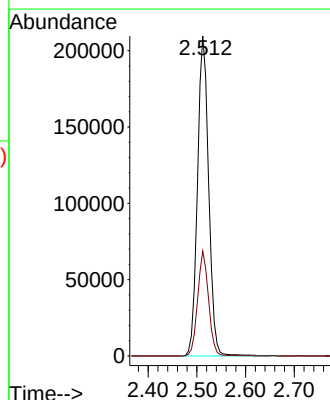
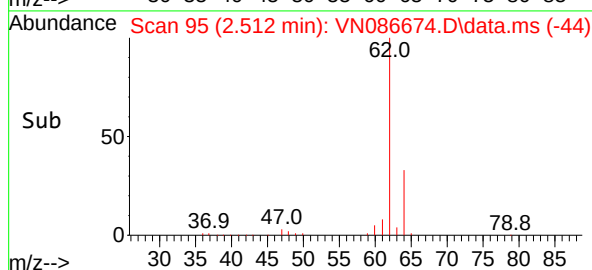
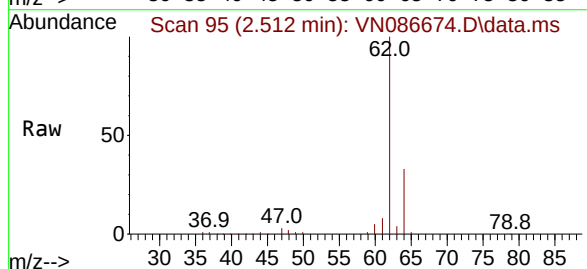
Manual Integrations
APPROVED

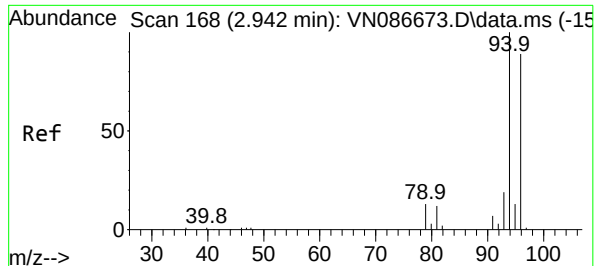
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#4
Vinyl Chloride
Concen: 97.082 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

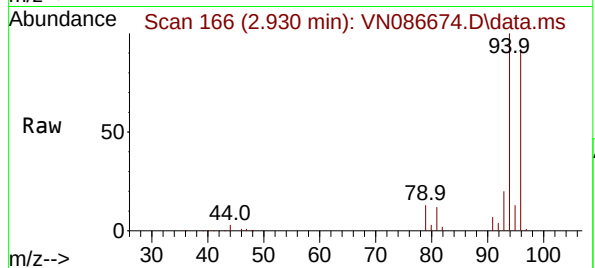
Tgt Ion: 62 Resp: 336647
Ion Ratio Lower Upper
62 100
64 32.8 26.9 40.3





#5
Bromomethane
Concen: 109.049 ug/l
RT: 2.930 min Scan# 110
Delta R.T. -0.012 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

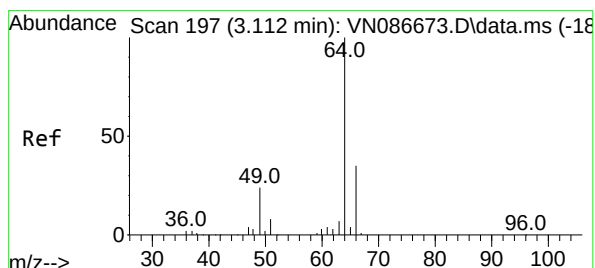
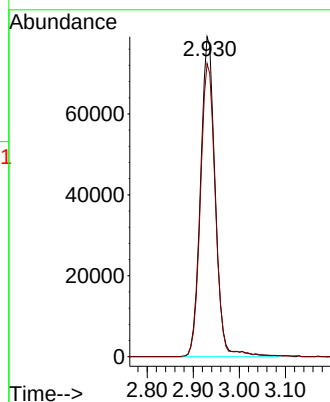
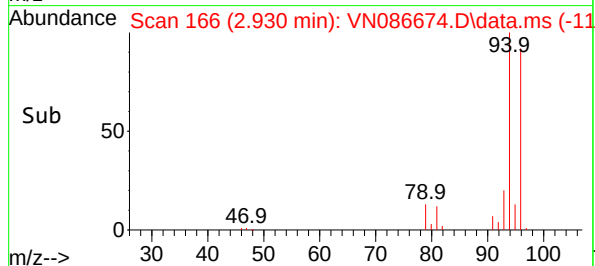
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 94 Resp: 17575
Ion Ratio Lower Upper
94 100
96 91.6 71.2 106.8

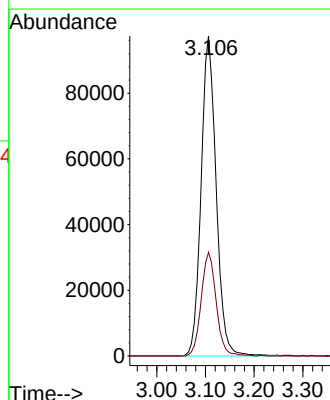
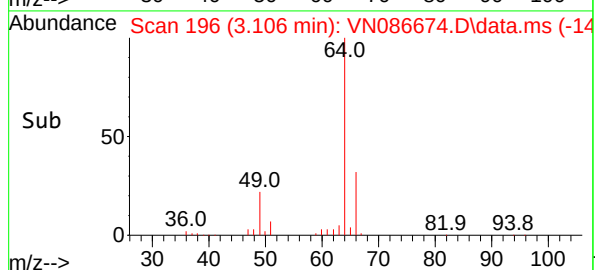
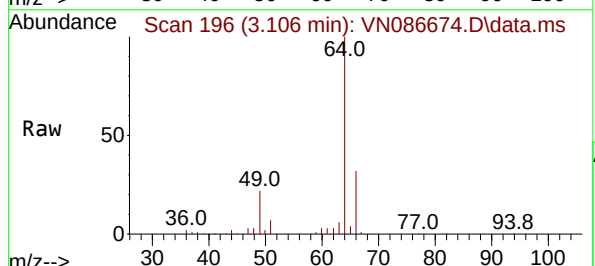
Manual Integrations
APPROVED

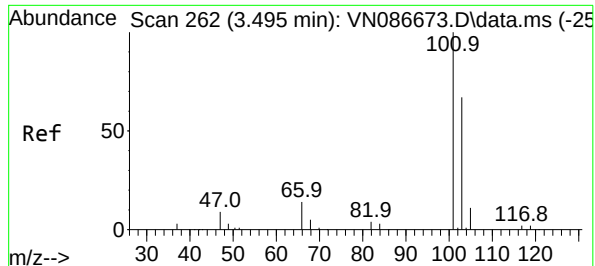
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#6
Chloroethane
Concen: 90.254 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.006 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

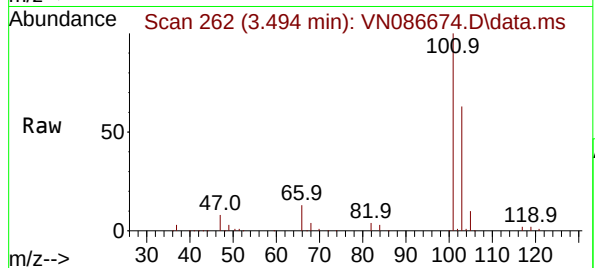
Tgt Ion: 64 Resp: 208872
Ion Ratio Lower Upper
64 100
66 32.4 27.7 41.5





#7
Trichlorofluoromethane
Concen: 101.309 ug/l
RT: 3.494 min Scan# 262
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

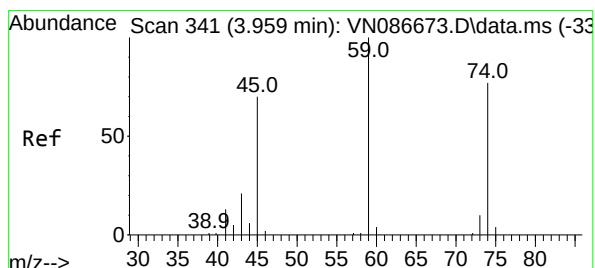
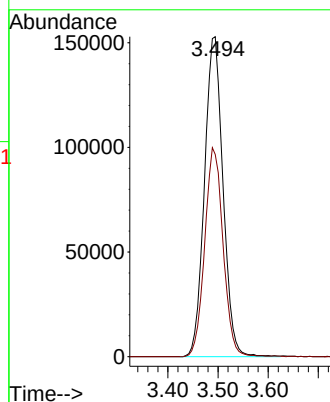
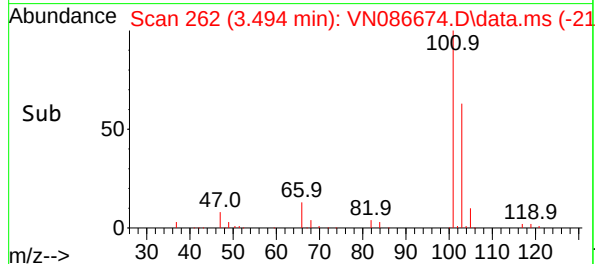
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:101 Resp: 393305
Ion Ratio Lower Upper
101 100
103 63.2 53.4 80.0

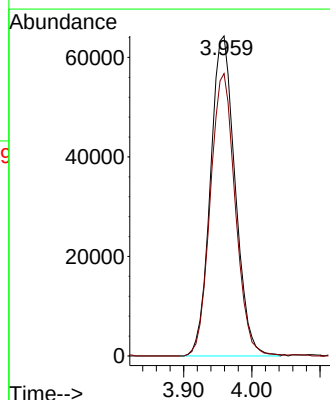
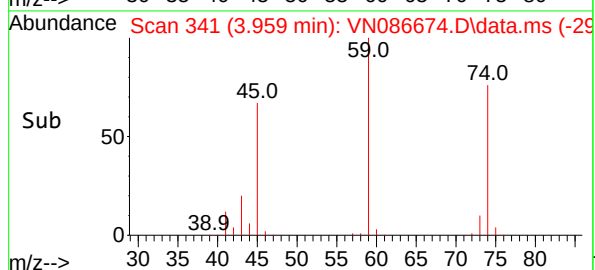
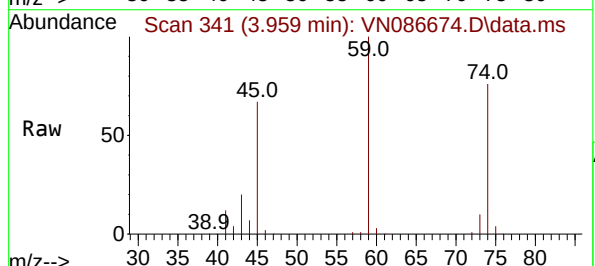
Manual Integrations
APPROVED

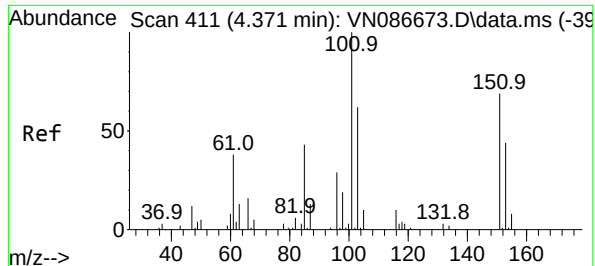
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#8
Diethyl Ether
Concen: 96.605 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

Tgt Ion: 74 Resp: 162276
Ion Ratio Lower Upper
74 100
45 88.9 45.0 135.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 99.655 ug/l

RT: 4.365 min Scan# 411

Delta R.T. -0.006 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:101 Resp: 233520

Ion Ratio Lower Upper

101 100

85 42.8 35.0 52.6

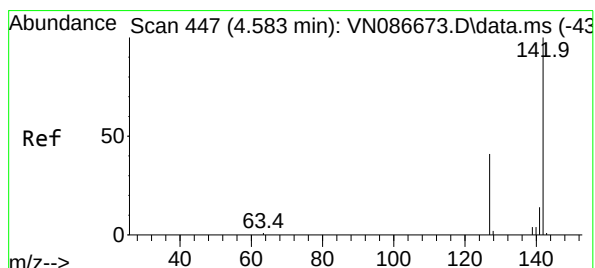
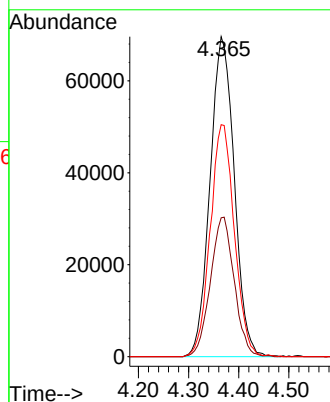
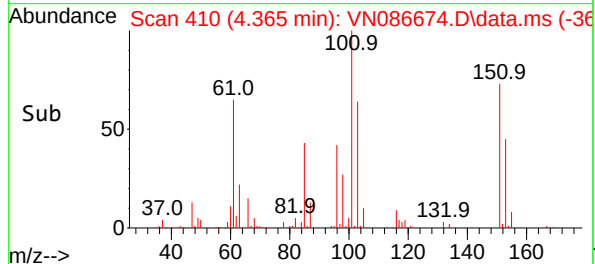
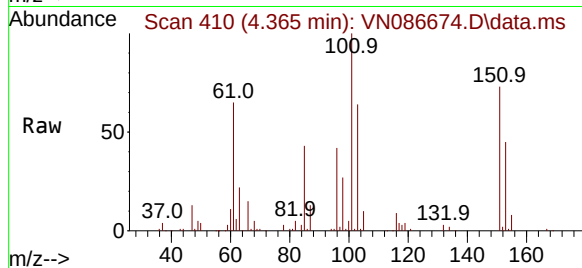
151 72.1 58.1 87.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#10

Methyl Iodide

Concen: 114.531 ug/l

RT: 4.583 min Scan# 447

Delta R.T. -0.000 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

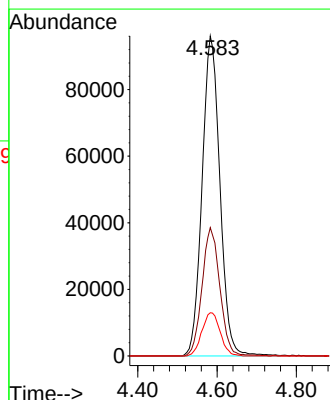
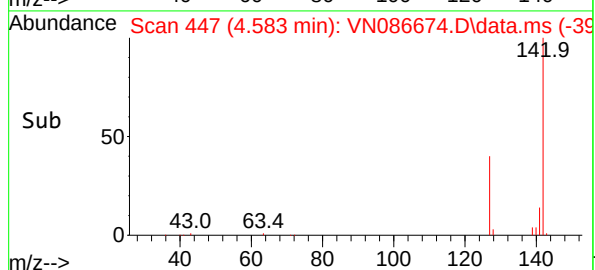
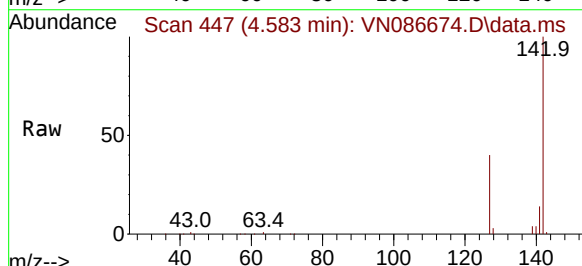
Tgt Ion:142 Resp: 299898

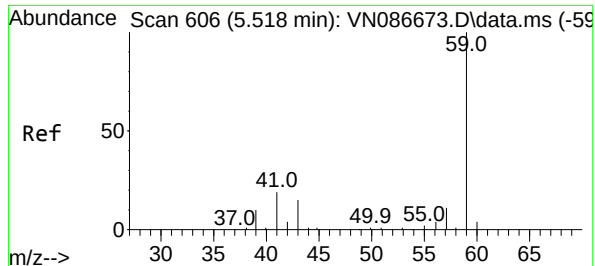
Ion Ratio Lower Upper

142 100

127 40.1 32.4 48.6

141 13.5 11.4 17.2





#11

Tert butyl alcohol

Concen: 477.347 ug/l

RT: 5.518 min Scan# 606

Delta R.T. -0.000 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 59 Resp: 267486

Ion Ratio Lower Upper

59 100

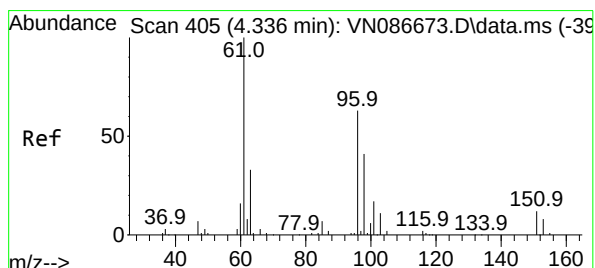
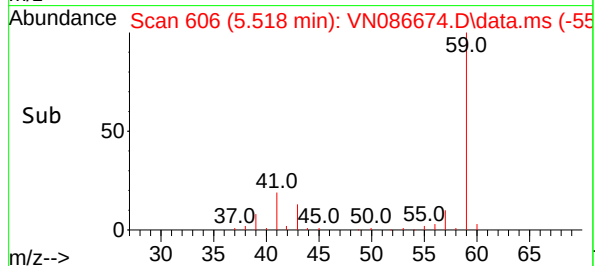
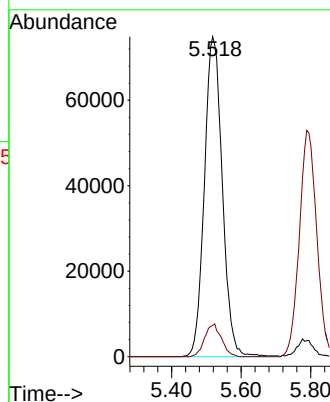
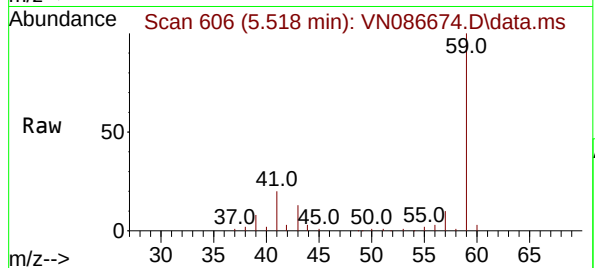
57 9.6 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#12

1,1-Dichloroethene

Concen: 99.203 ug/l

RT: 4.336 min Scan# 405

Delta R.T. -0.000 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

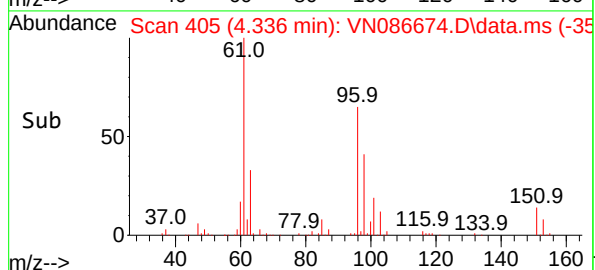
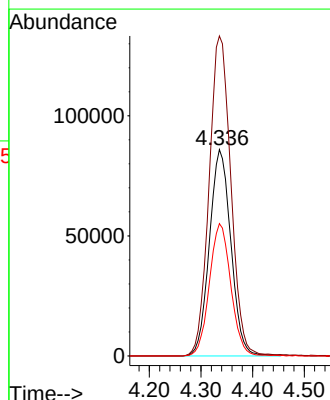
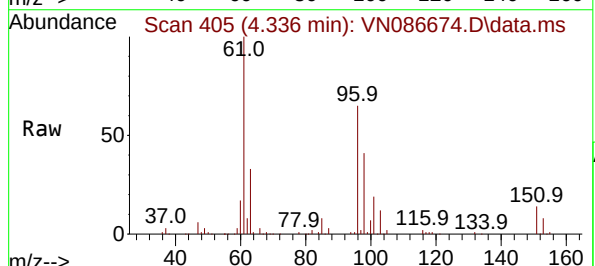
Tgt Ion: 96 Resp: 247923

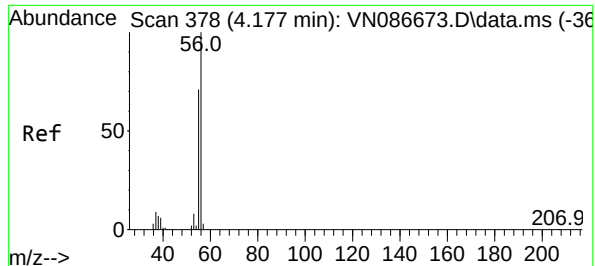
Ion Ratio Lower Upper

96 100

61 155.0 126.2 189.2

98 64.1 51.5 77.3





#13

Acrolein

Concen: 773.336 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 29528

Ion Ratio Lower Upper

56 100

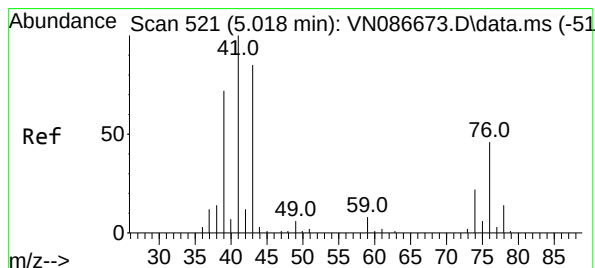
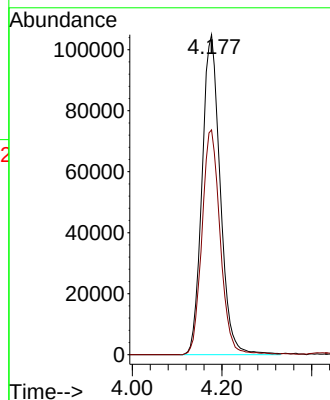
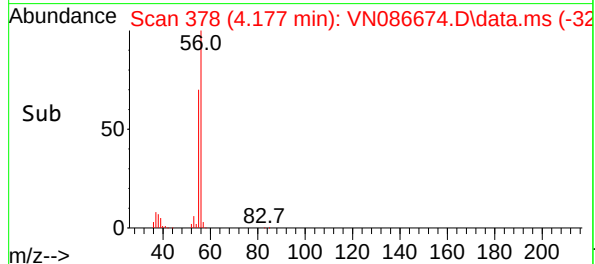
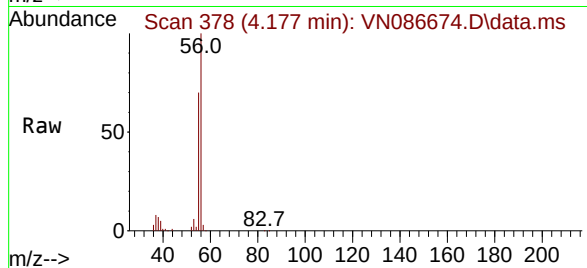
55 70.4 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#14

Allyl chloride

Concen: 85.045 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

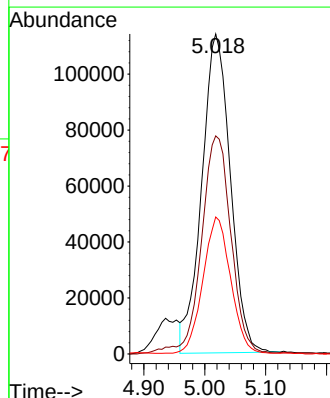
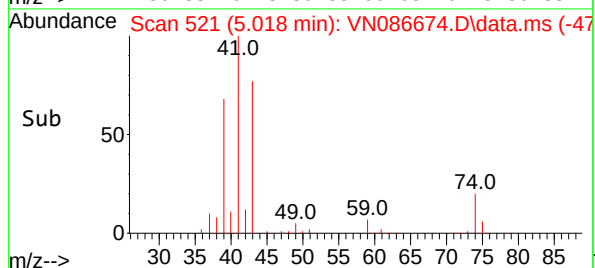
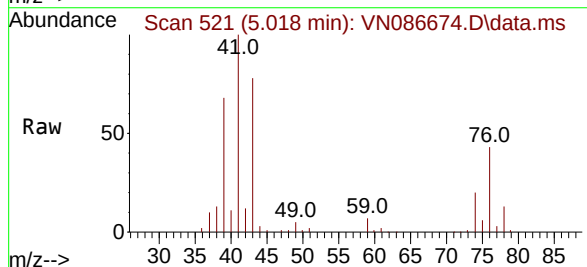
Tgt Ion: 41 Resp: 371902

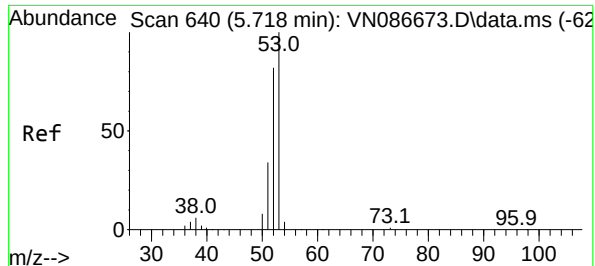
Ion Ratio Lower Upper

41 100

39 70.9 57.4 86.0

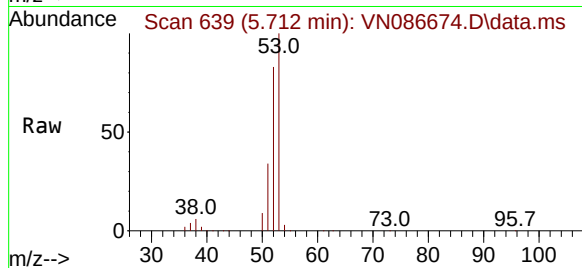
76 41.2 33.2 49.8





#15
Acrylonitrile
Concen: 506.348 ug/l
RT: 5.712 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

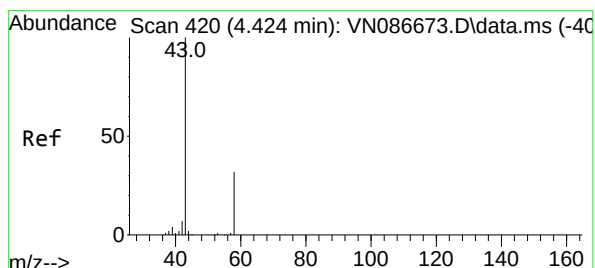
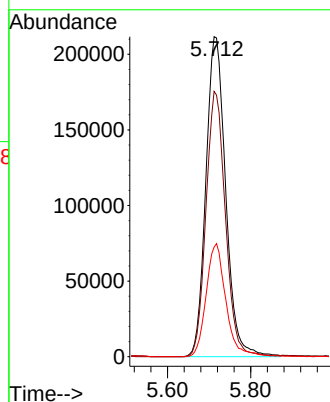
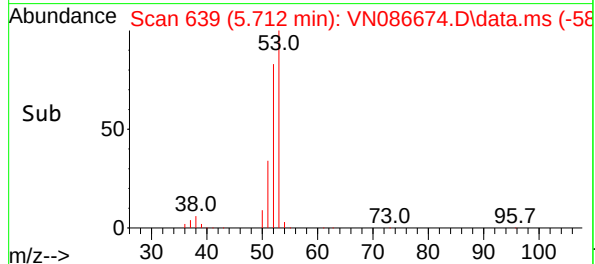
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 53 Resp: 701724
Ion Ratio Lower Upper
53 100
52 81.3 65.4 98.2
51 35.3 27.9 41.9

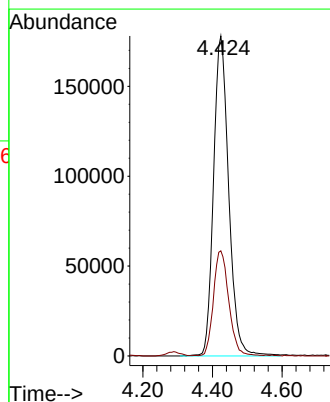
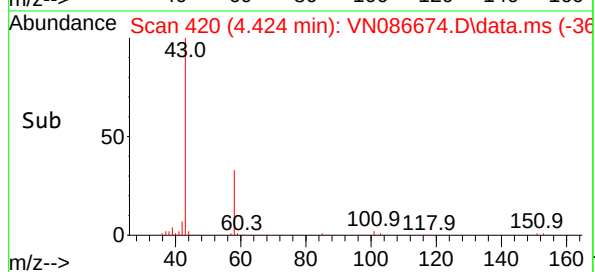
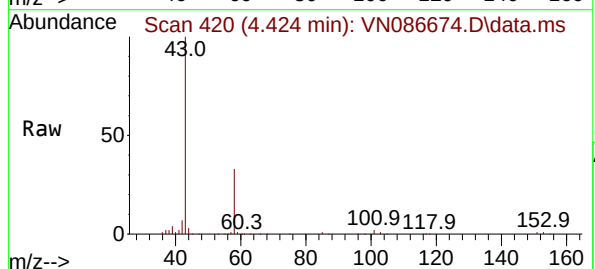
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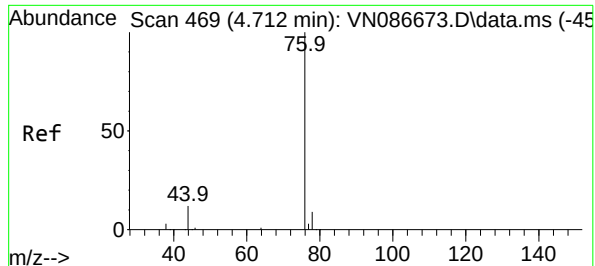
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#16
Acetone
Concen: 439.506 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

Tgt Ion: 43 Resp: 539112
Ion Ratio Lower Upper
43 100
58 32.7 25.8 38.6





#17

Carbon Disulfide

Concen: 95.061 ug/l

RT: 4.712 min Scan# 40

Delta R.T. -0.000 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 71098

Ion Ratio Lower Upper

76 100

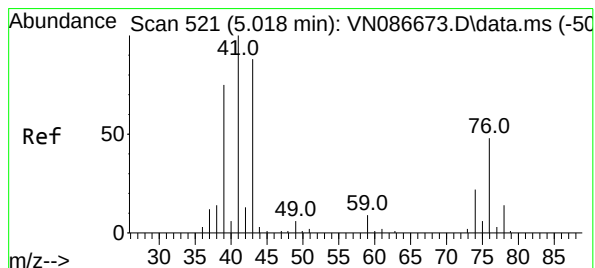
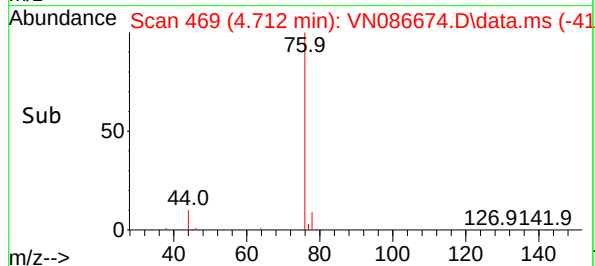
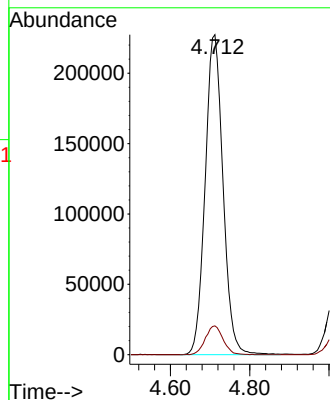
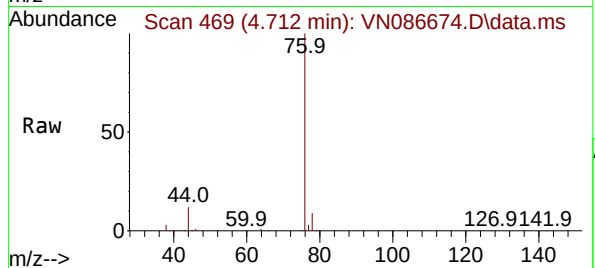
78 9.0 7.3 10.9

Manual Integrations

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Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#18

Methyl Acetate

Concen: 80.520 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN086674.D

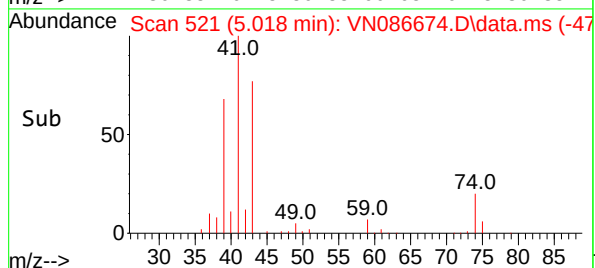
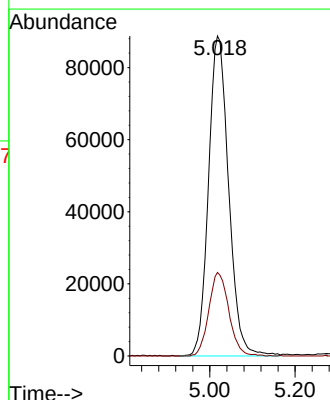
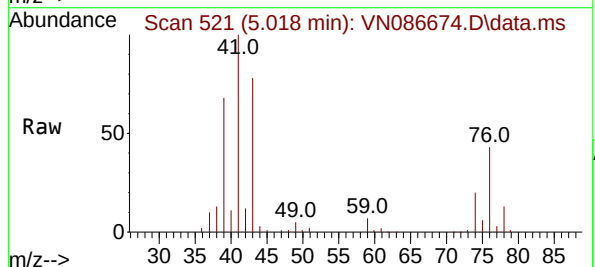
Acq: 16 May 2025 18:32

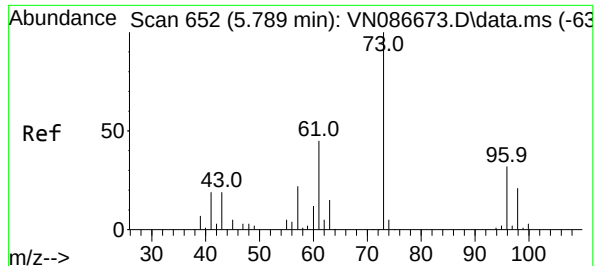
Tgt Ion: 43 Resp: 291114

Ion Ratio Lower Upper

43 100

74 26.0 20.5 30.7





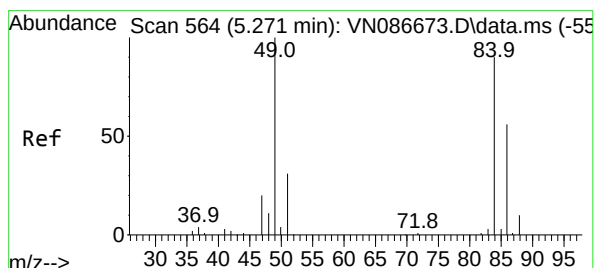
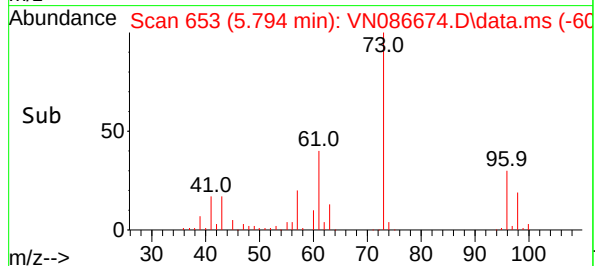
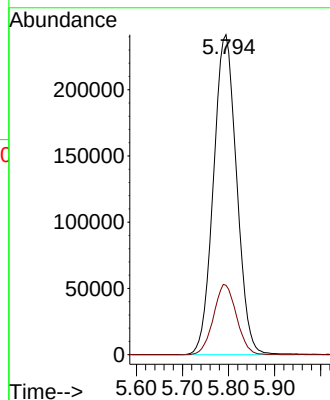
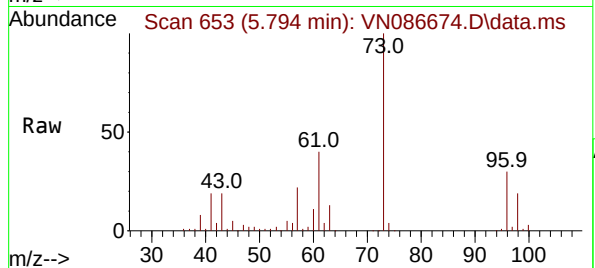
#19
Methyl tert-butyl Ether
Concen: 92.293 ug/l
RT: 5.794 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 73 Resp: 84231
Ion Ratio Lower Upper
73 100
57 21.7 17.7 26.5

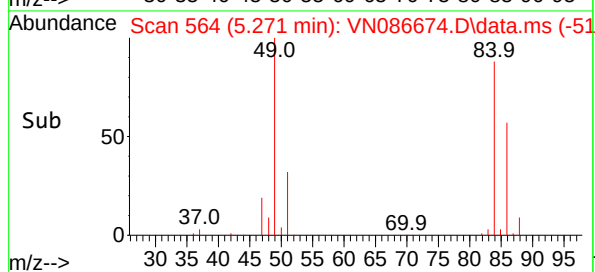
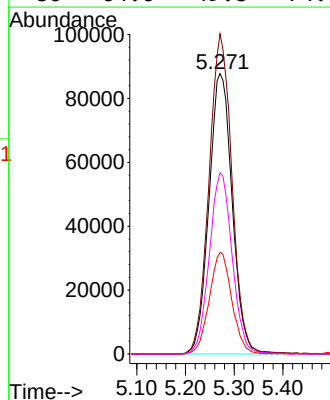
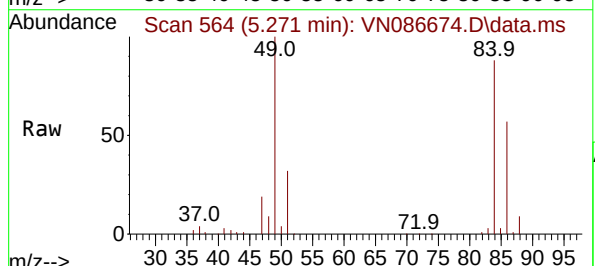
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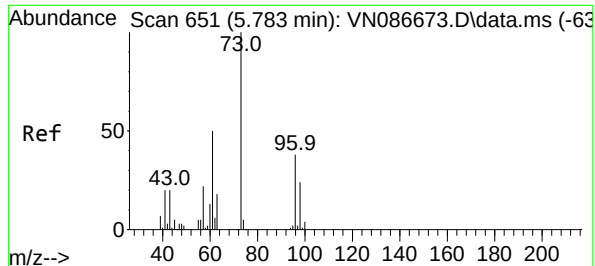
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#20
Methylene Chloride
Concen: 101.686 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

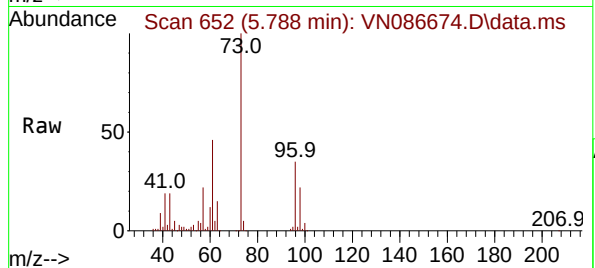
Tgt Ion: 84 Resp: 290581
Ion Ratio Lower Upper
84 100
49 114.2 88.8 133.2
51 36.2 27.8 41.6
86 64.6 49.8 74.6





#21
trans-1,2-Dichloroethene
Concen: 99.571 ug/l
RT: 5.788 min Scan# 651
Delta R.T. 0.006 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

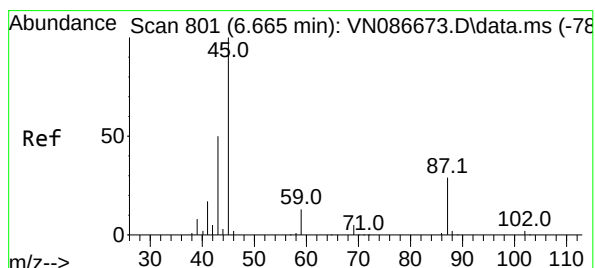
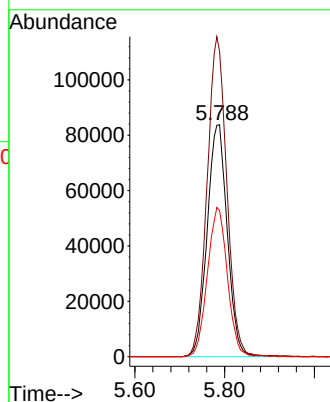
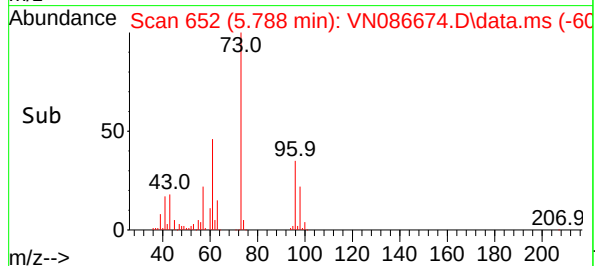
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 96 Resp: 260589
Ion Ratio Lower Upper
96 100
61 131.6 105.7 158.5
98 62.9 51.0 76.6

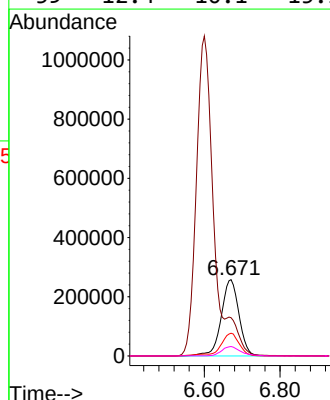
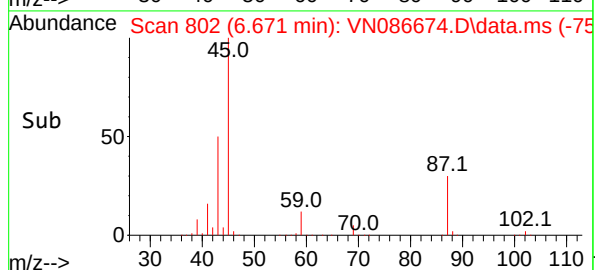
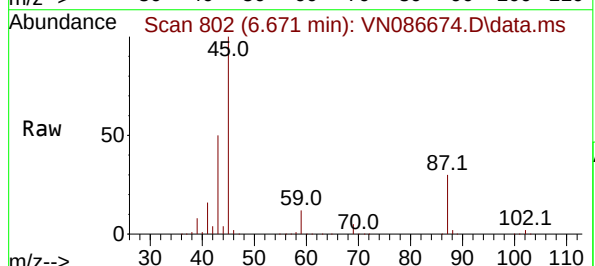
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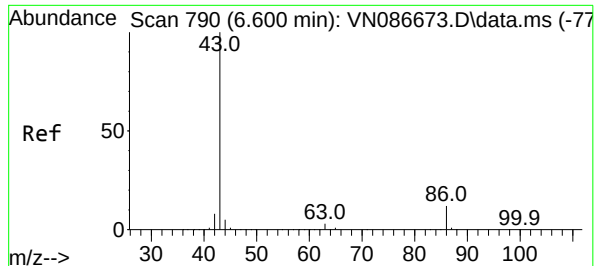
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#22
Diisopropyl ether
Concen: 88.050 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

Tgt Ion: 45 Resp: 840075
Ion Ratio Lower Upper
45 100
43 49.7 41.4 62.2
87 29.8 22.9 34.3
59 12.4 10.1 15.1





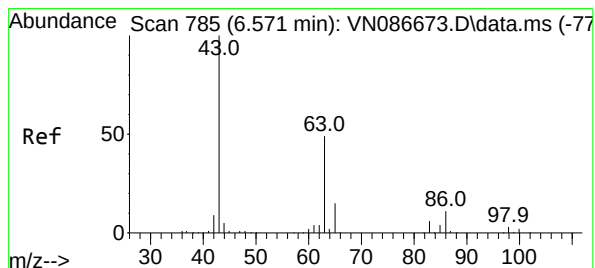
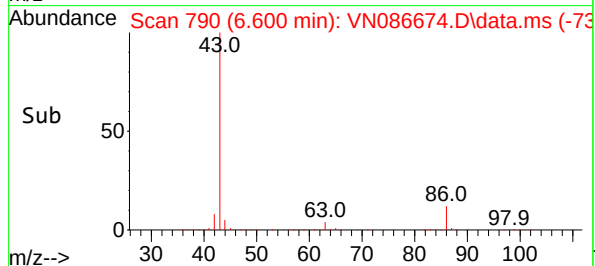
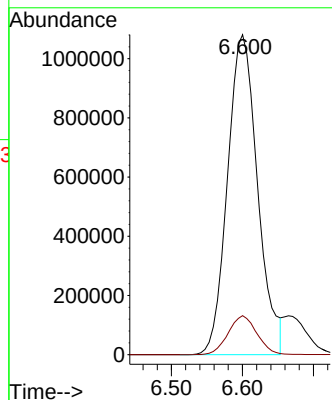
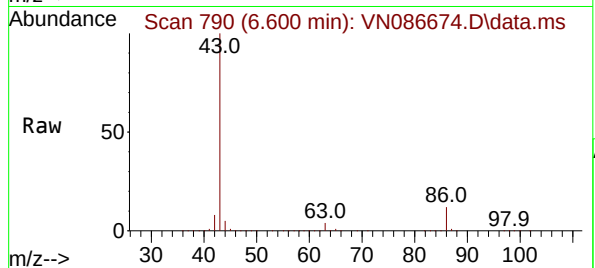
#23
Vinyl Acetate
Concen: 472.168 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 3184524
Ion Ratio Lower Upper
43 100
86 12.2 9.5 14.3

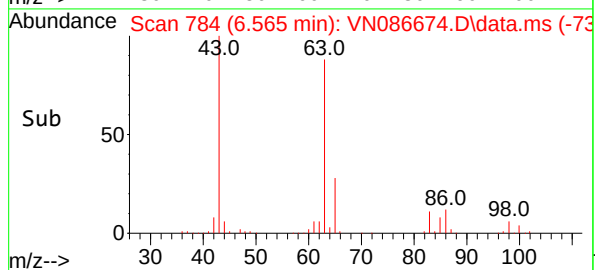
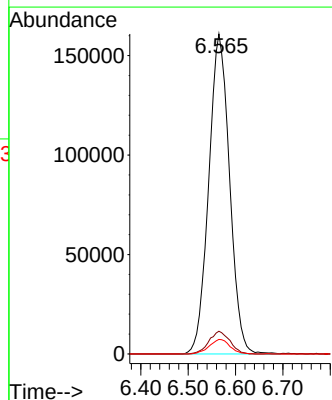
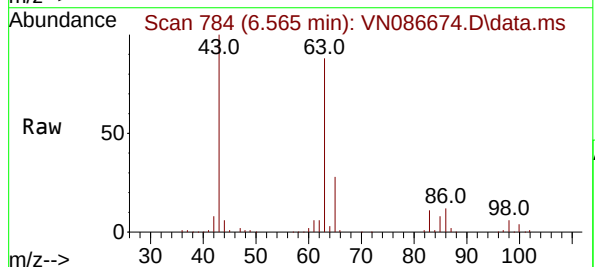
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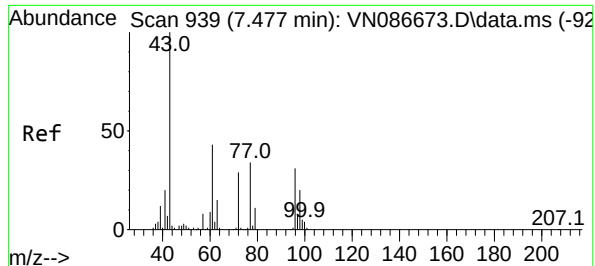
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#24
1,1-Dichloroethane
Concen: 96.742 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

Tgt Ion: 63 Resp: 491576
Ion Ratio Lower Upper
63 100
98 7.1 3.4 10.2
100 4.5 2.4 7.1





#25

2-Butanone

Concen: 466.747 ug/l

RT: 7.477 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 88751

Ion Ratio Lower Upper

43 100

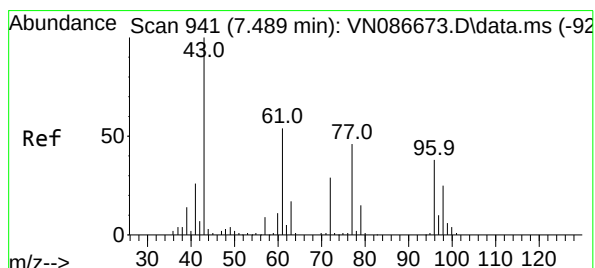
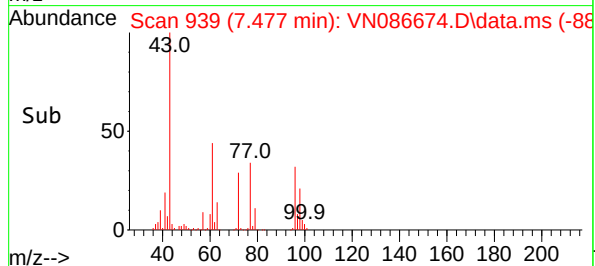
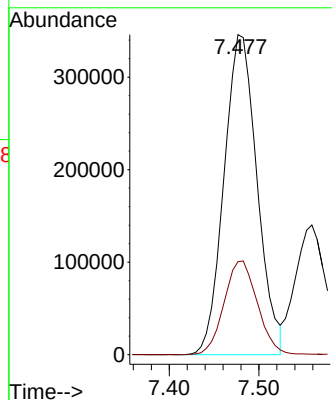
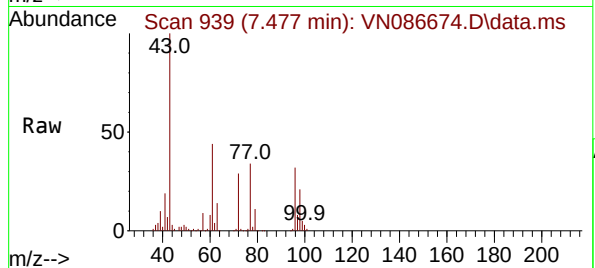
72 29.1 23.1 34.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#26

2,2-Dichloropropane

Concen: 87.002 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.000 min

Lab File: VN086674.D

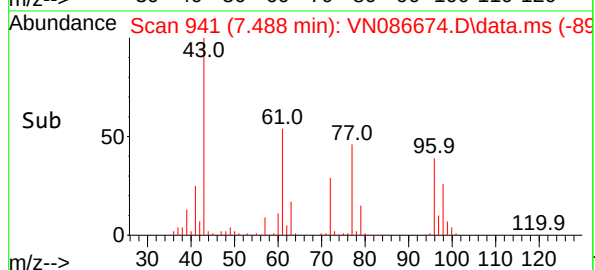
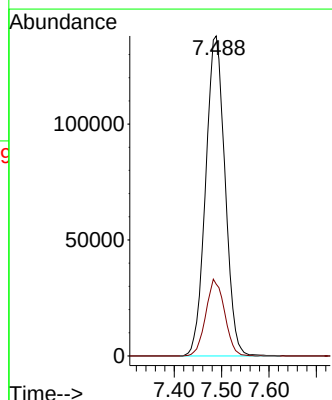
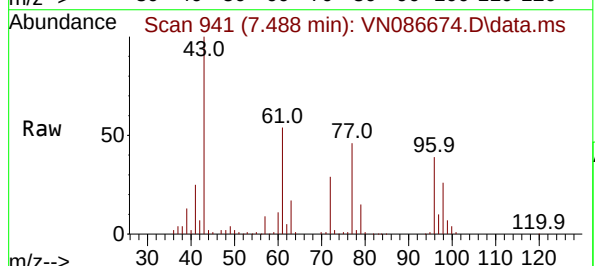
Acq: 16 May 2025 18:32

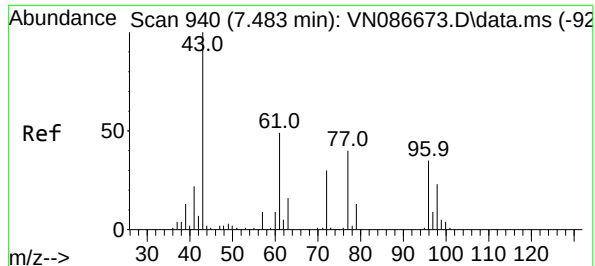
Tgt Ion: 77 Resp: 391899

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 98.737 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 32038

Ion Ratio Lower Upper

96 100

61 137.8 0.0 277.4

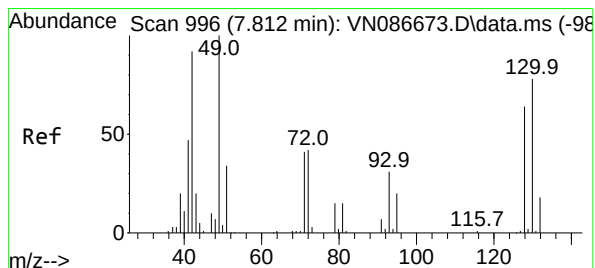
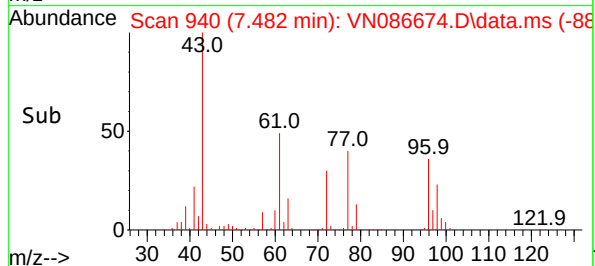
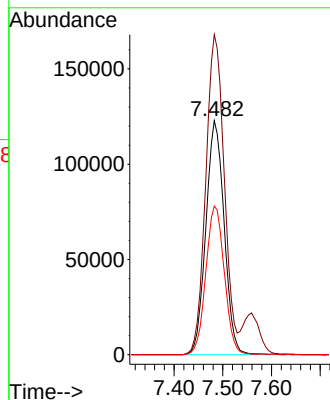
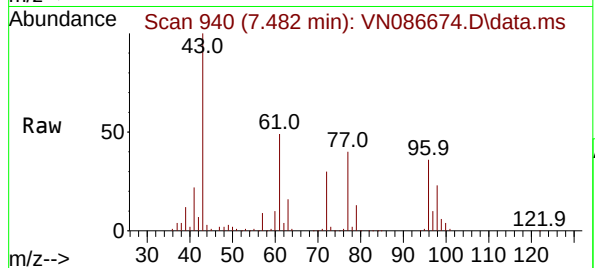
98 64.1 0.0 129.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#28

Bromochloromethane

Concen: 97.978 ug/l

RT: 7.812 min Scan# 996

Delta R.T. -0.000 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

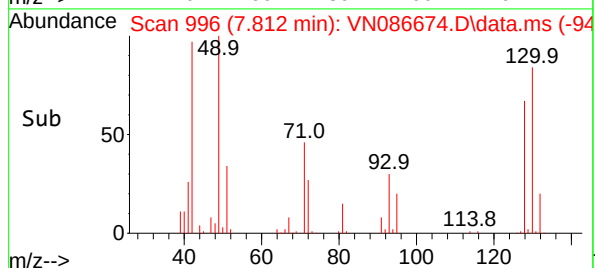
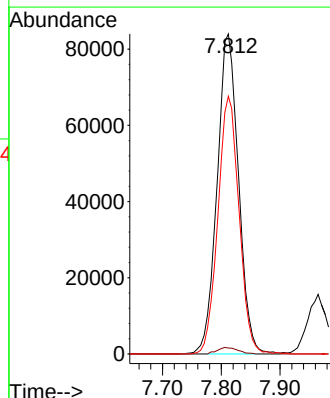
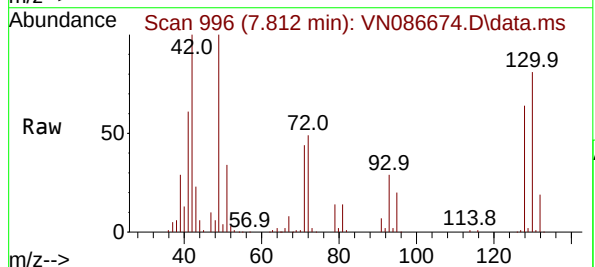
Tgt Ion: 49 Resp: 212881

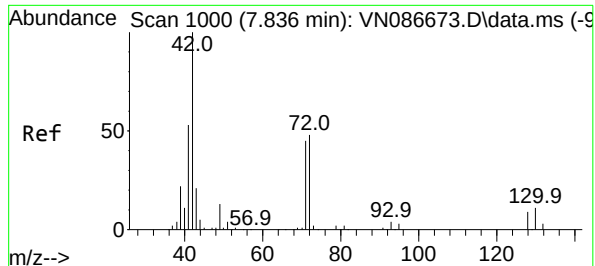
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

130 79.5 62.2 93.4





#29

Tetrahydrofuran

Concen: 457.944 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 42 Resp: 58216

Ion Ratio Lower Upper

42 100

72 48.8 38.7 58.1

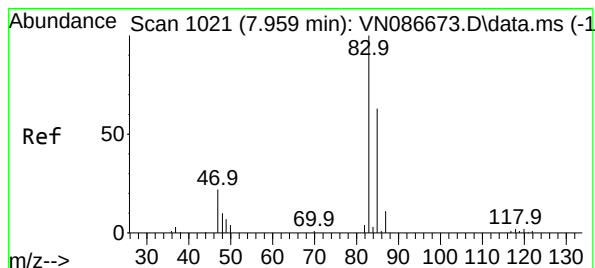
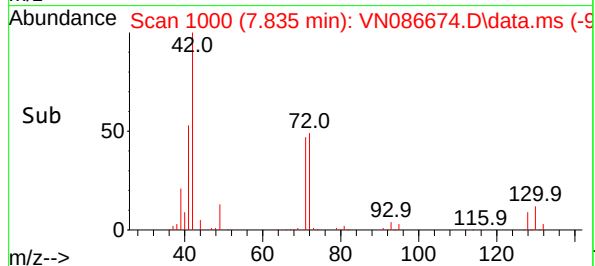
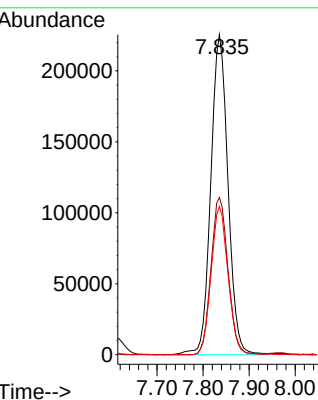
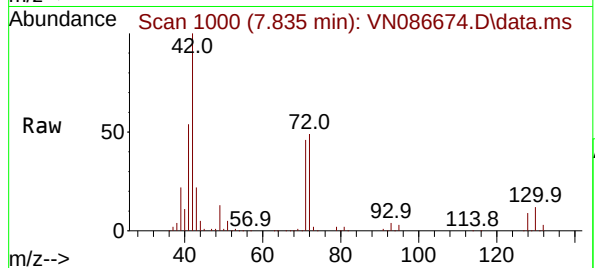
71 45.5 36.2 54.4

Manual Integrations

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Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#30

Chloroform

Concen: 96.199 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN086674.D

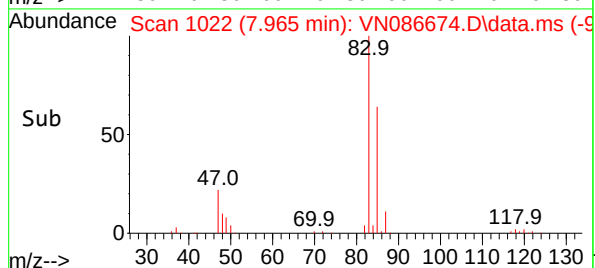
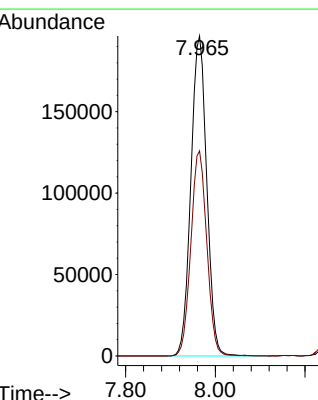
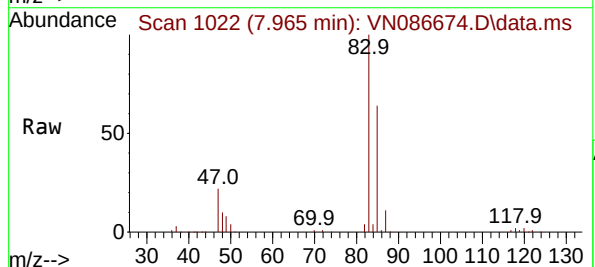
Acq: 16 May 2025 18:32

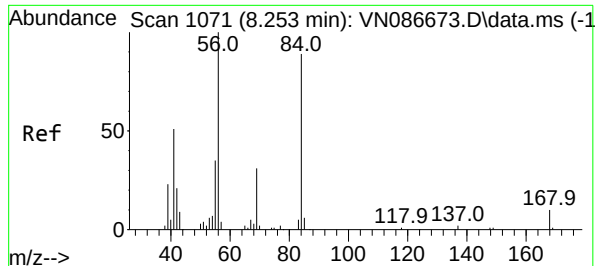
Tgt Ion: 83 Resp: 481570

Ion Ratio Lower Upper

83 100

85 64.1 50.2 75.4





#31

Cyclohexane

Concen: 87.454 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 43066

Ion Ratio Lower Upper

56 100

69 31.5 25.0 37.6

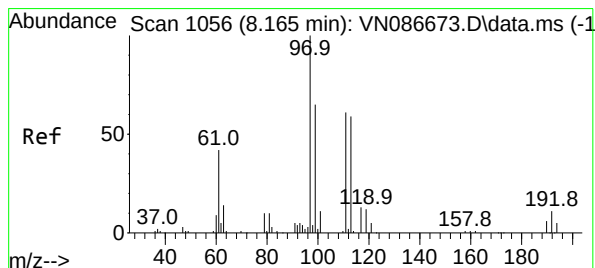
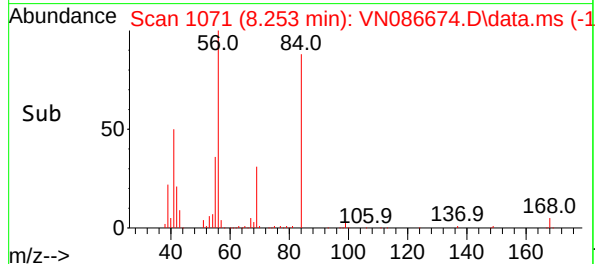
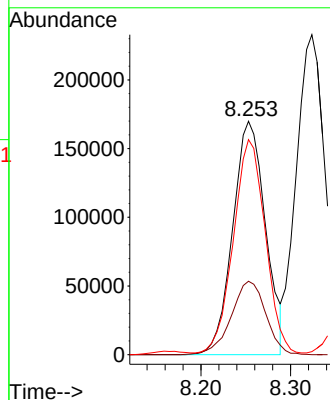
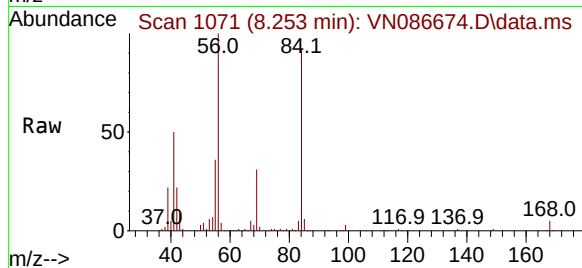
84 91.0 71.0 106.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#32

1,1,1-Trichloroethane

Concen: 96.254 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

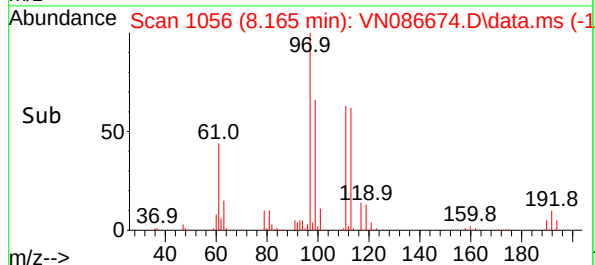
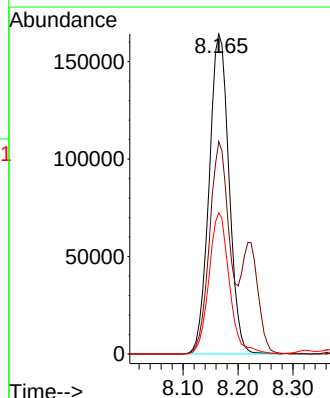
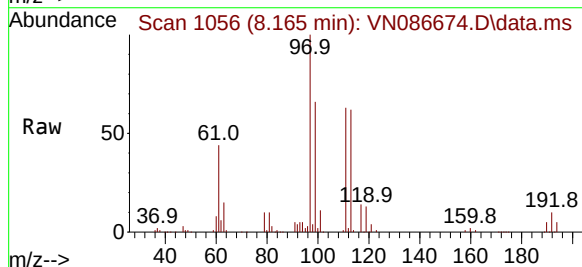
Tgt Ion: 97 Resp: 412582

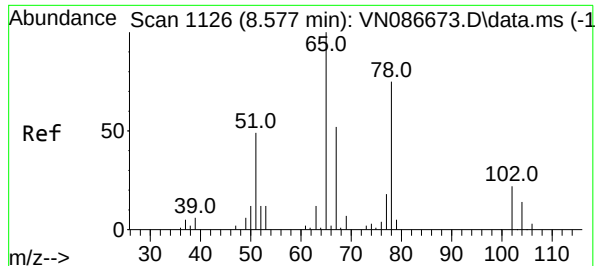
Ion Ratio Lower Upper

97 100

99 67.5 52.6 79.0

61 45.3 37.7 56.5





#33

1,2-Dichloroethane-d4

Concen: 96.970 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 65 Resp: 296700

Ion Ratio Lower Upper

65 100

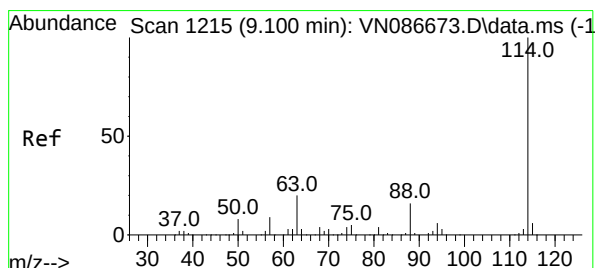
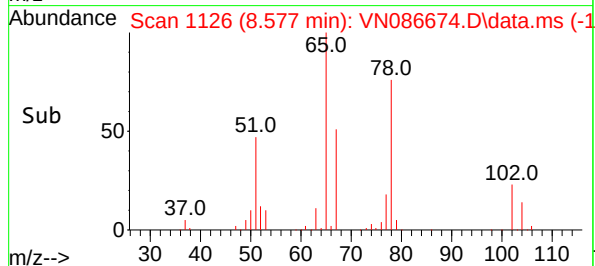
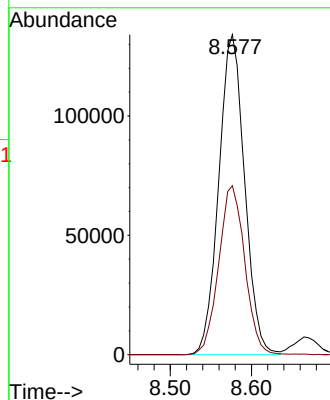
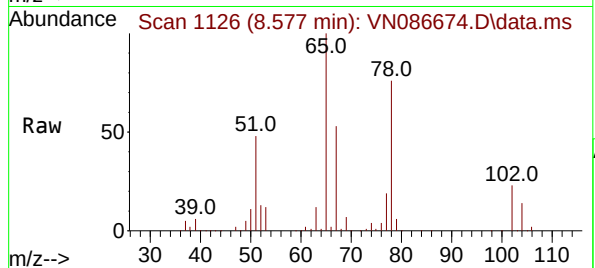
67 53.3 0.0 106.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

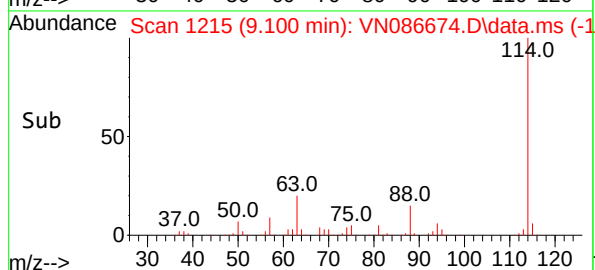
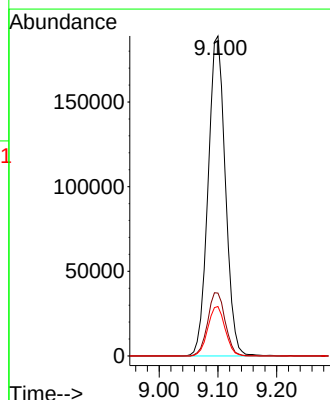
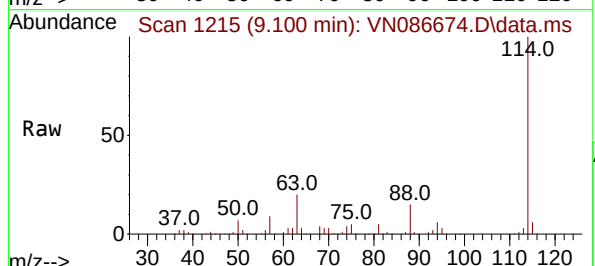
Tgt Ion:114 Resp: 385603

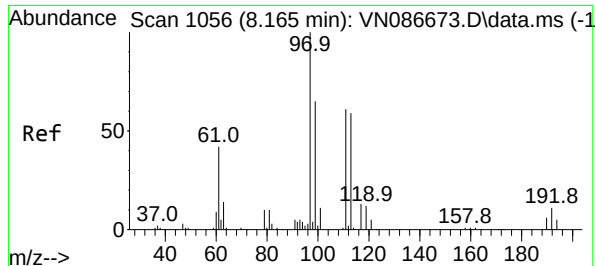
Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.2

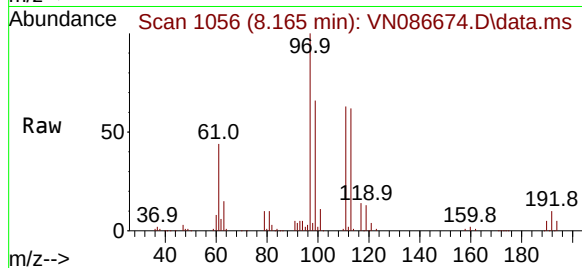
88 15.5 0.0 31.2





#35
Dibromofluoromethane
Concen: 124.964 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

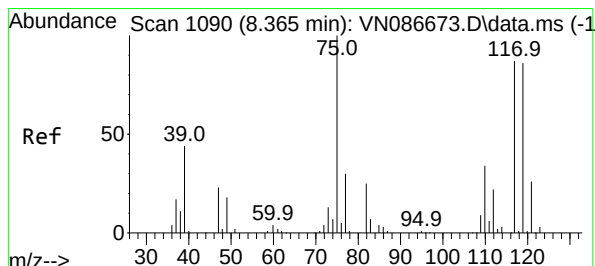
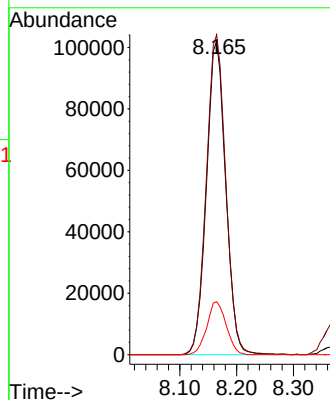
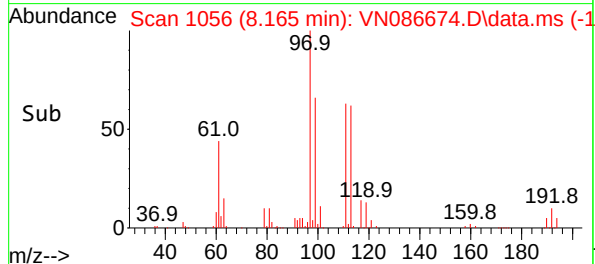
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 113 Resp: 239789
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 17.0 13.8 20.8

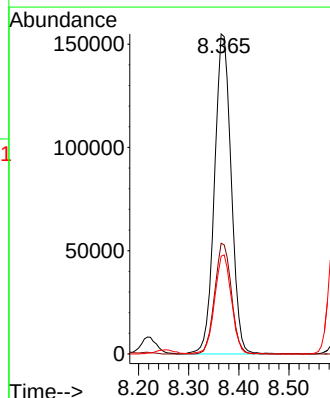
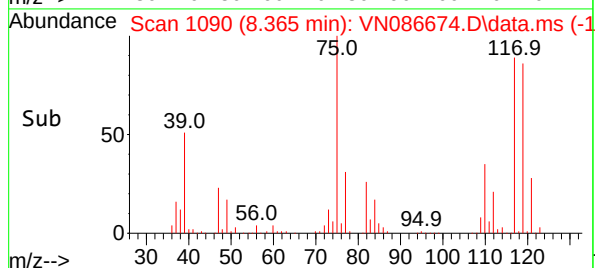
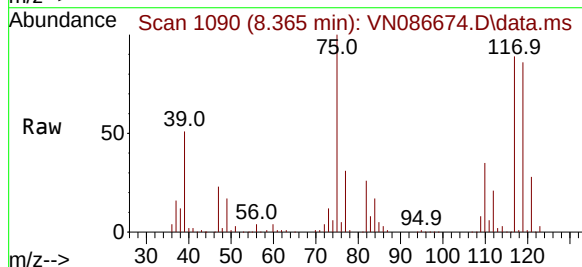
Manual Integrations
APPROVED

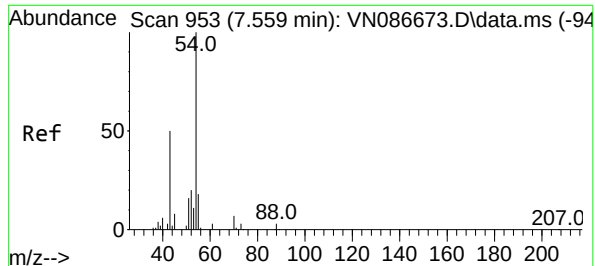
Reviewed By : John Carlone 05/19/2025
Supervised By : Mahesh Dadoda 05/19/2025



#36
1,1-Dichloropropene
Concen: 100.608 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

Tgt Ion: 75 Resp: 358680
Ion Ratio Lower Upper
75 100
110 34.5 17.5 52.5
77 31.1 25.1 37.7





#37

Ethyl Acetate

Concen: 92.202 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN086674.D

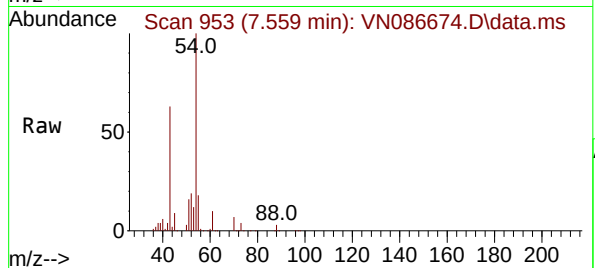
Acq: 16 May 2025 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100



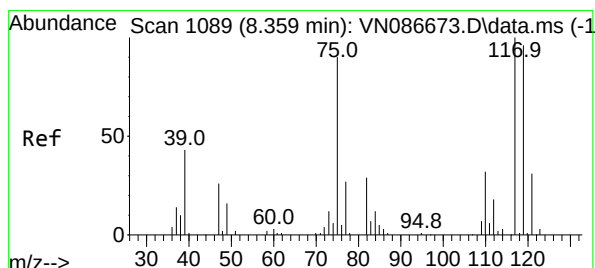
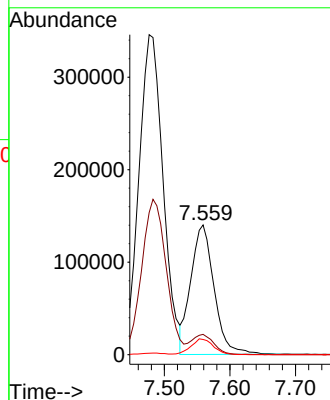
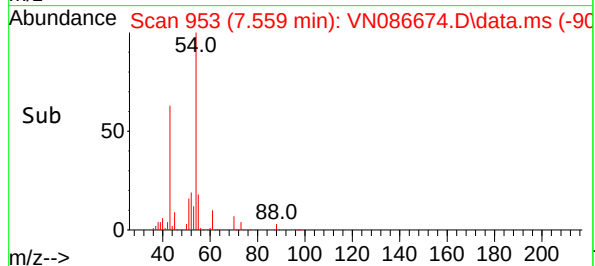
Tgt Ion:	43	Resp:	345729
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.6	17.4
70	11.8	9.4	14.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#38

Carbon Tetrachloride

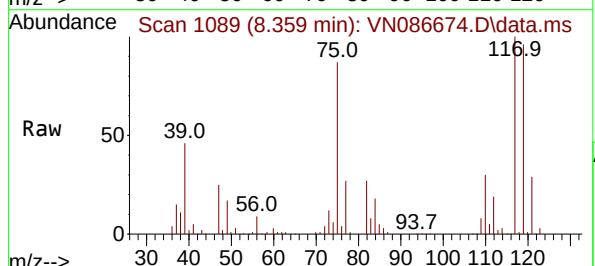
Concen: 102.652 ug/l

RT: 8.359 min Scan# 1089

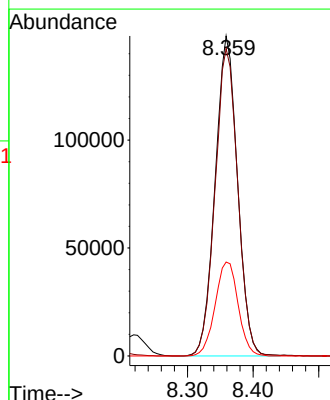
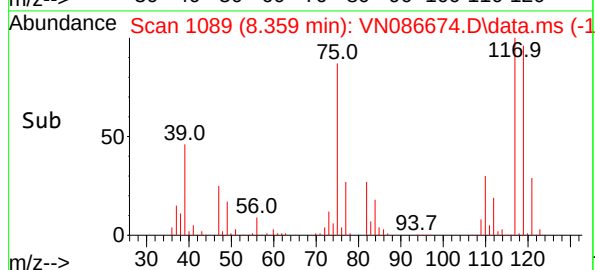
Delta R.T. -0.000 min

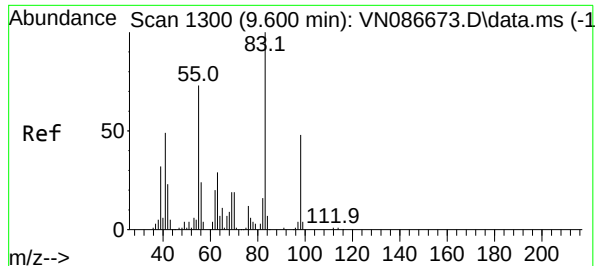
Lab File: VN086674.D

Acq: 16 May 2025 18:32



Tgt Ion:	117	Resp:	350376
Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.0	115.6
121	29.4	25.0	37.6





#39

Methylcyclohexane

Concen: 94.309 ug/l

RT: 9.600 min Scan# 11300

Delta R.T. -0.000 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 395610

Ion Ratio Lower Upper

83 100

55 71.8 58.2 87.4

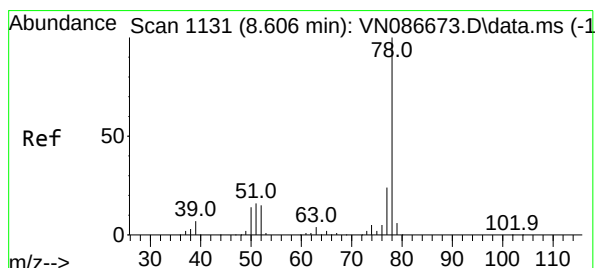
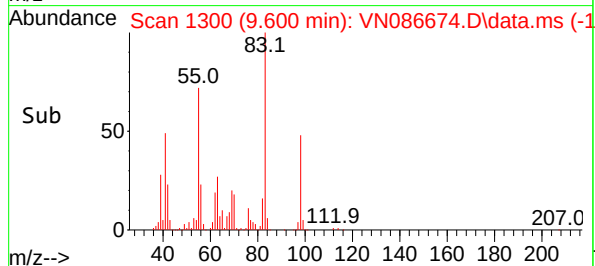
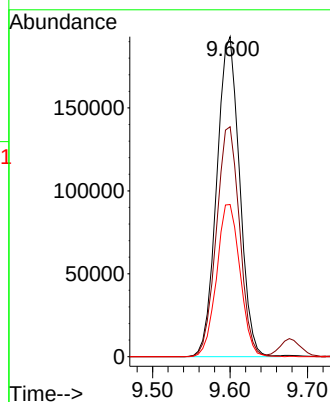
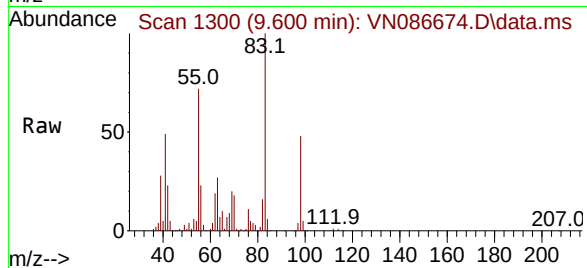
98 47.6 38.4 57.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#40

Benzene

Concen: 100.185 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN086674.D

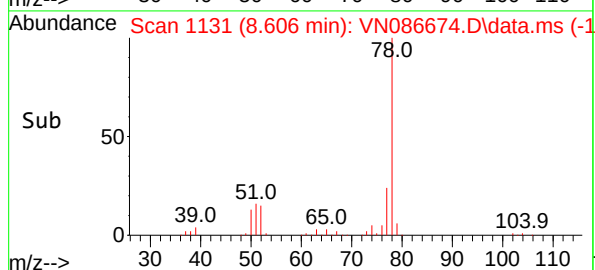
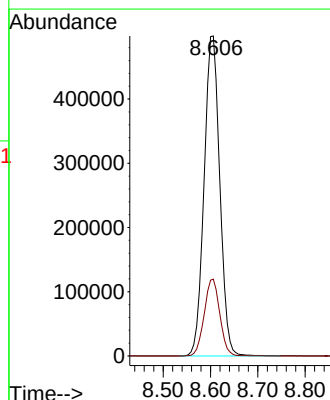
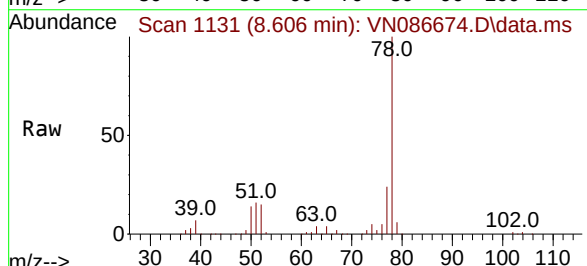
Acq: 16 May 2025 18:32

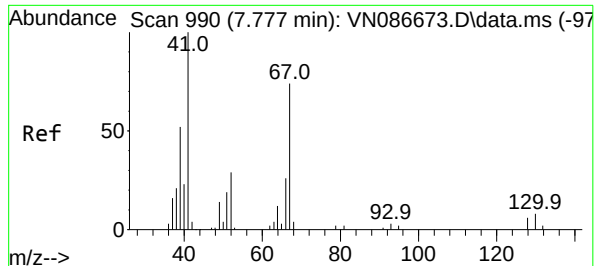
Tgt Ion: 78 Resp: 1146502

Ion Ratio Lower Upper

78 100

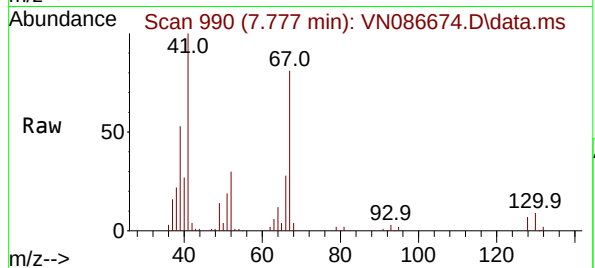
77 24.0 19.1 28.7





#41
Methacrylonitrile
Concen: 88.081 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

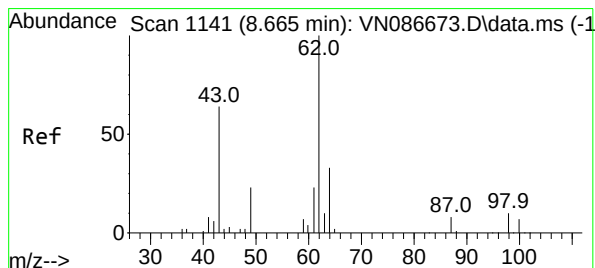
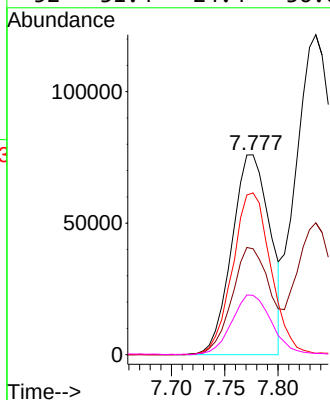
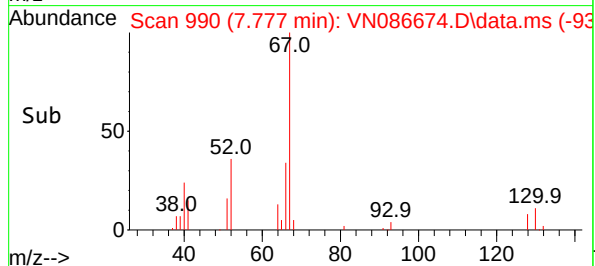
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 41 Resp: 18937
Ion Ratio Lower Upper
41 100
39 55.9 44.9 67.3
67 81.8 63.4 95.0
52 31.4 24.4 36.6

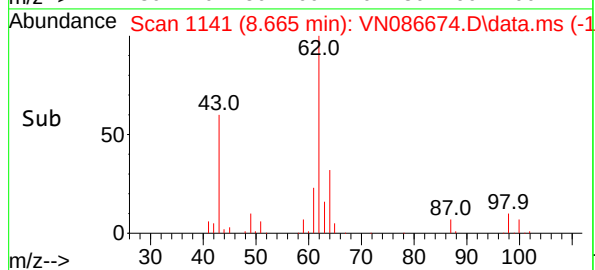
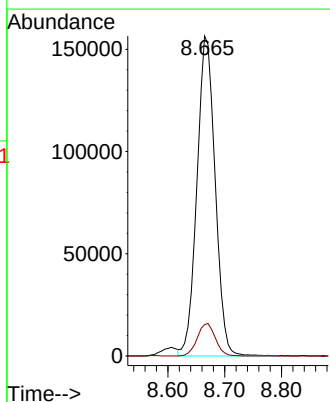
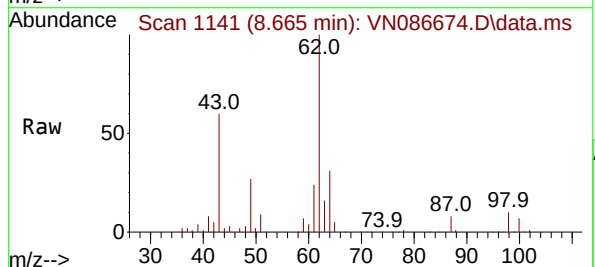
Manual Integrations
APPROVED

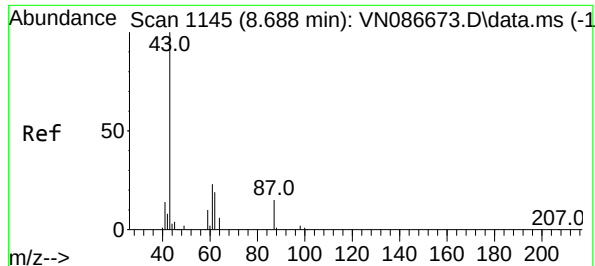
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#42
1,2-Dichloroethane
Concen: 95.719 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

Tgt Ion: 62 Resp: 348779
Ion Ratio Lower Upper
62 100
98 10.1 0.0 19.2





#43

Isopropyl Acetate

Concen: 67.195 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.006 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 60166

Ion Ratio Lower Upper

43 100

61 28.2 21.4 32.2

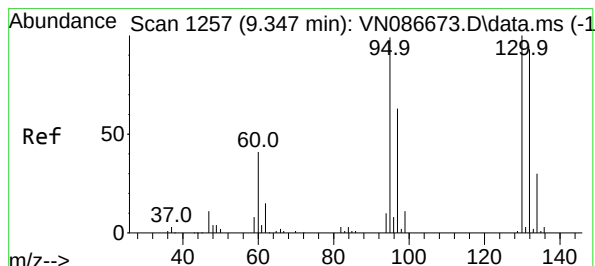
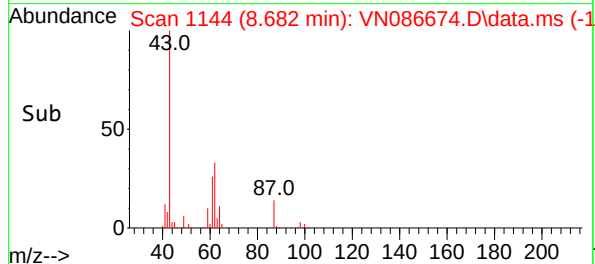
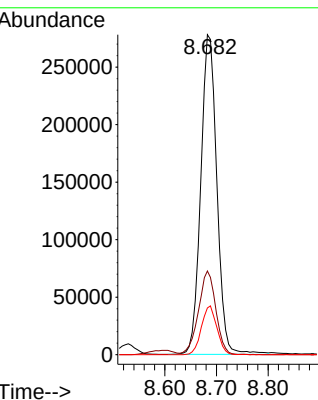
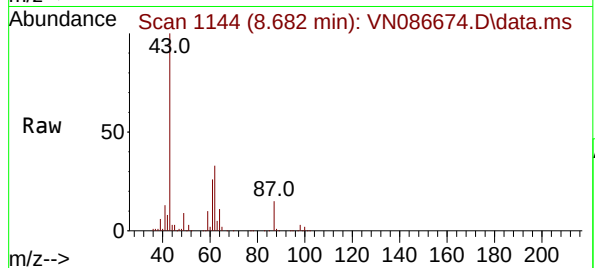
87 14.7 11.1 16.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#44

Trichloroethene

Concen: 103.544 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.000 min

Lab File: VN086674.D

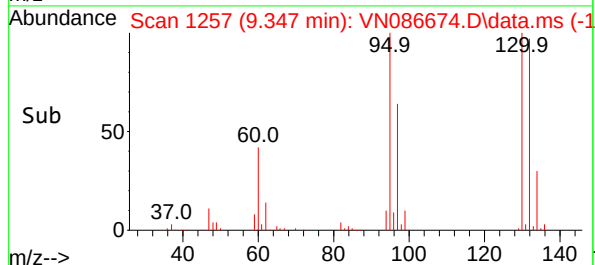
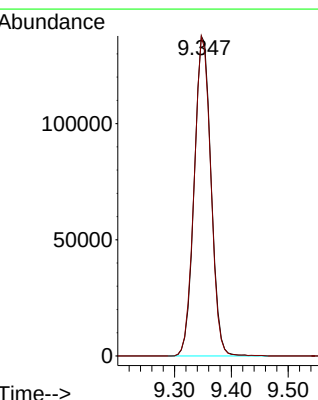
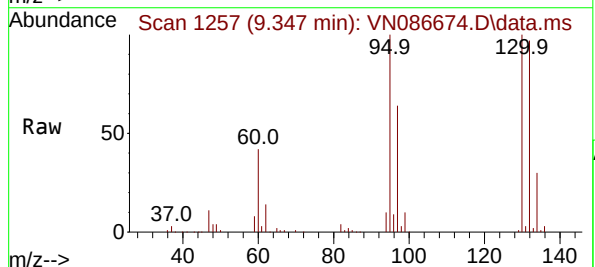
Acq: 16 May 2025 18:32

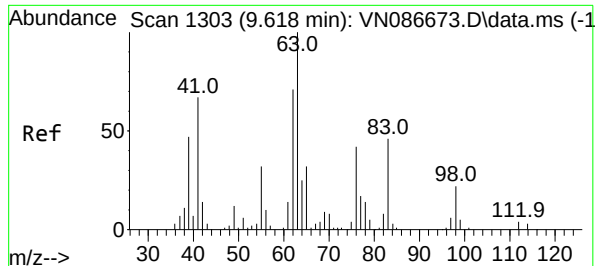
Tgt Ion:130 Resp: 281707

Ion Ratio Lower Upper

130 100

95 99.9 0.0 197.0





#45

1,2-Dichloropropane

Concen: 97.526 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 63 Resp: 271732

Ion Ratio Lower Upper

63 100

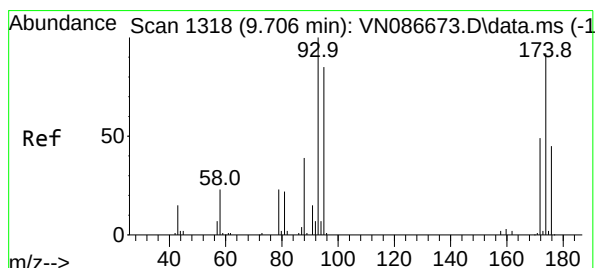
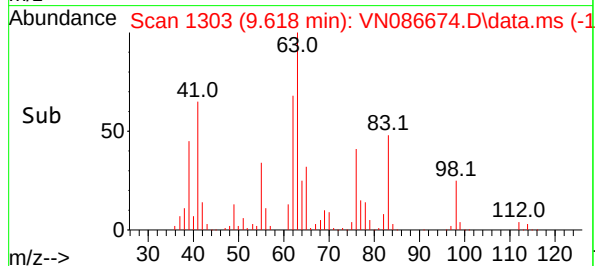
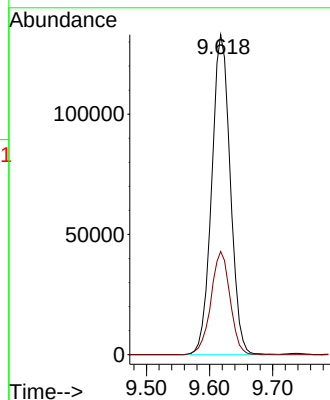
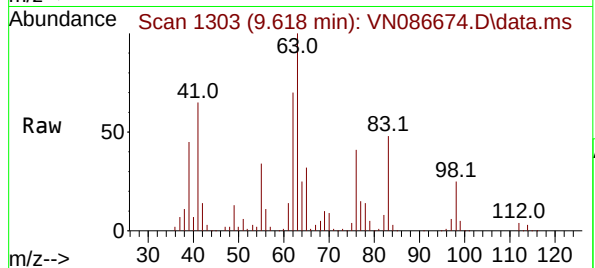
65 32.3 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#46

Dibromomethane

Concen: 102.669 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

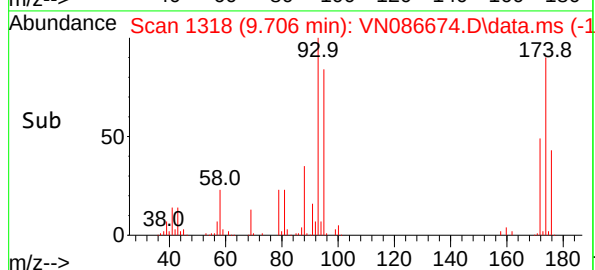
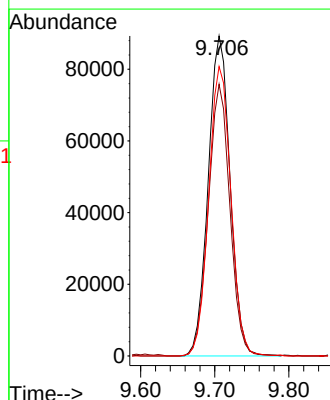
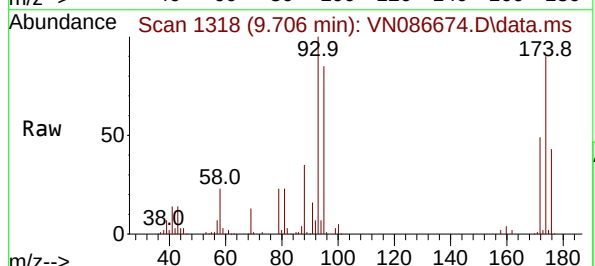
Tgt Ion: 93 Resp: 183465

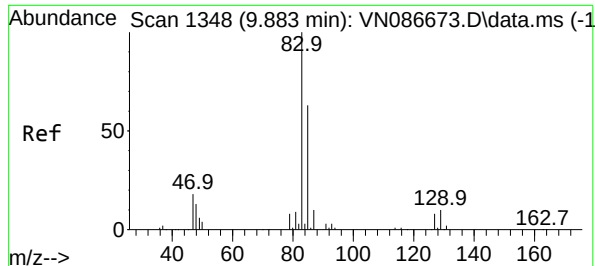
Ion Ratio Lower Upper

93 100

95 83.8 67.1 100.7

174 91.7 73.8 110.6





#47

Bromodichloromethane

Concen: 99.439 ug/l

RT: 9.888 min Scan# 1348

Delta R.T. 0.006 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 38308

Ion Ratio Lower Upper

83 100

85 64.7 50.1 75.1

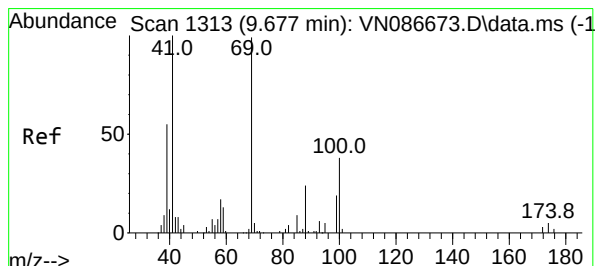
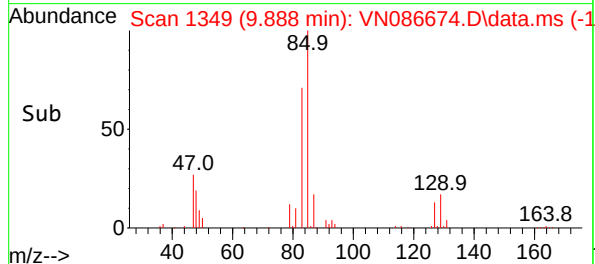
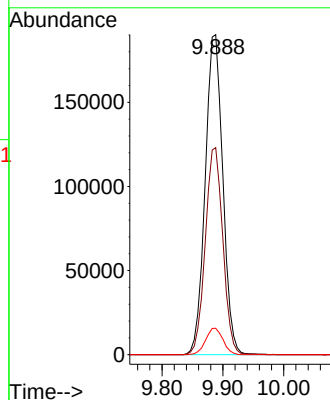
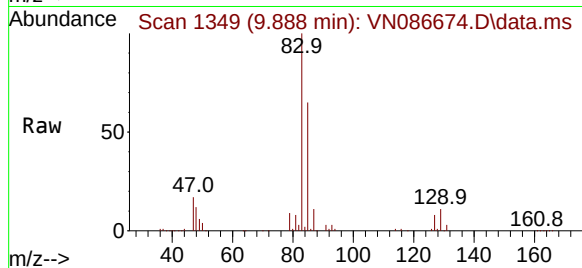
127 8.2 6.2 9.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#48

Methyl methacrylate

Concen: 86.928 ug/l

RT: 9.676 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

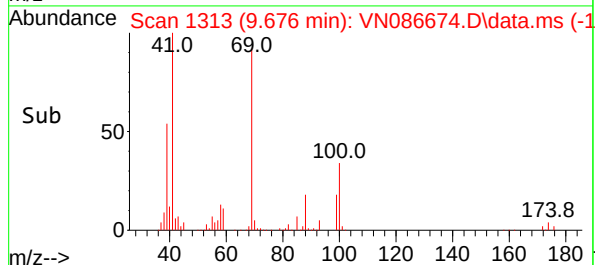
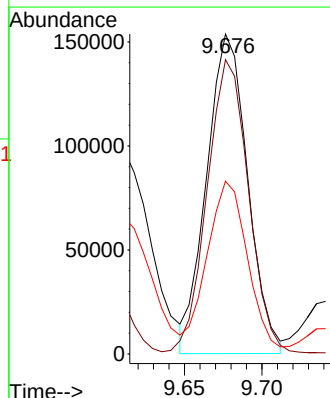
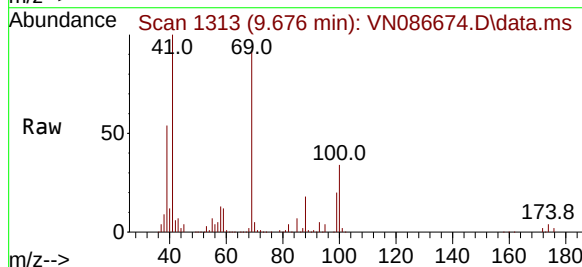
Tgt Ion: 41 Resp: 282329

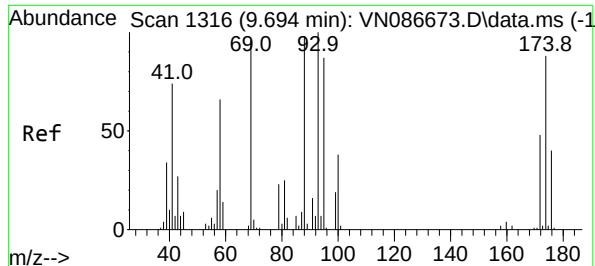
Ion Ratio Lower Upper

41 100

69 93.3 74.1 111.1

39 54.2 44.1 66.1





#49

1,4-Dioxane

Concen: 1965.825 ug/l

RT: 9.694 min Scan# 112938

Delta R.T. -0.000 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 88 Resp: 112938

Ion Ratio Lower Upper

88 100

43 23.6 23.6 35.4

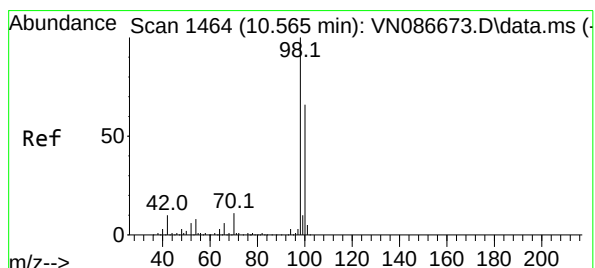
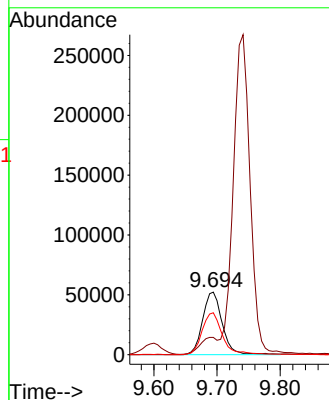
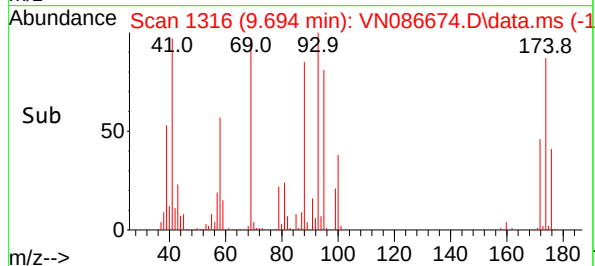
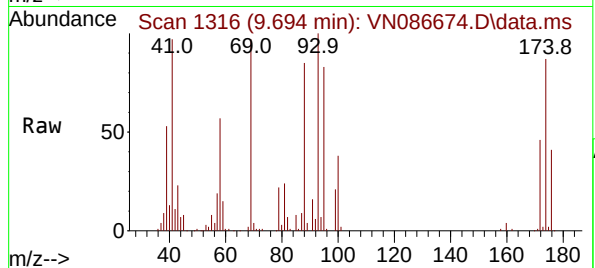
58 70.1 55.3 82.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#50

Toluene-d8

Concen: 106.809 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086674.D

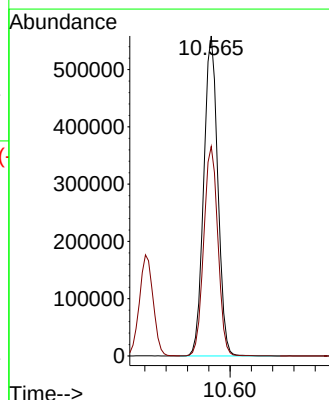
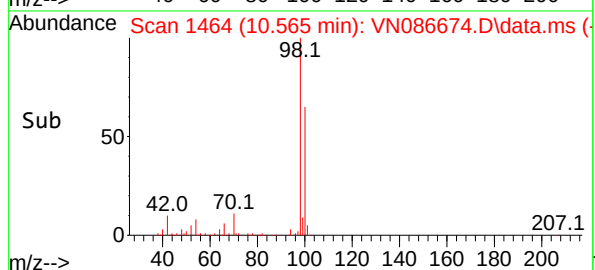
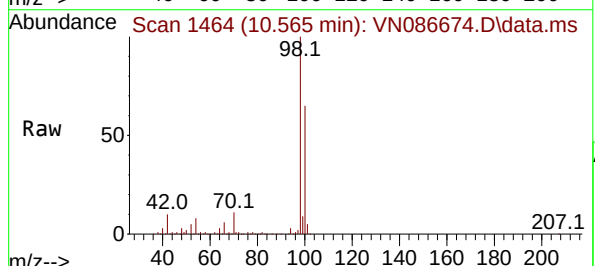
Acq: 16 May 2025 18:32

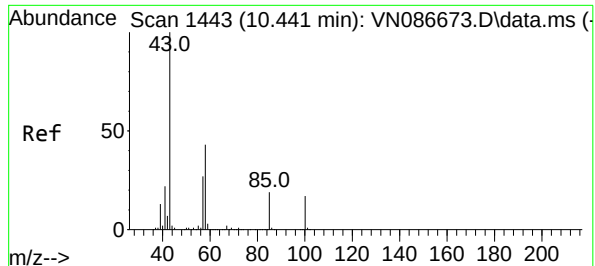
Tgt Ion: 98 Resp: 1021539

Ion Ratio Lower Upper

98 100

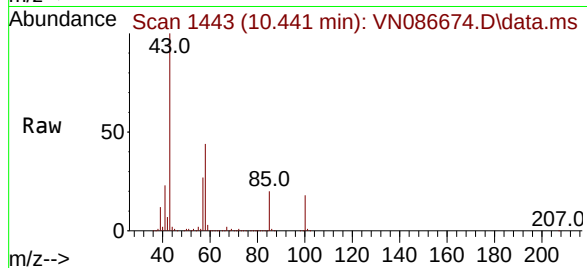
100 65.8 52.9 79.3





#51
4-Methyl-2-Pentanone
Concen: 472.646 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

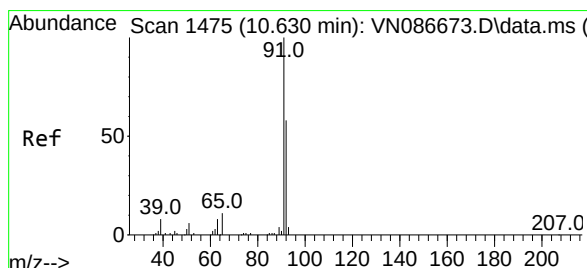
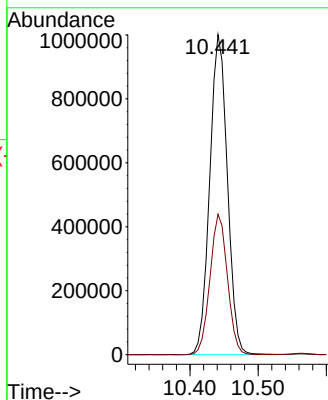
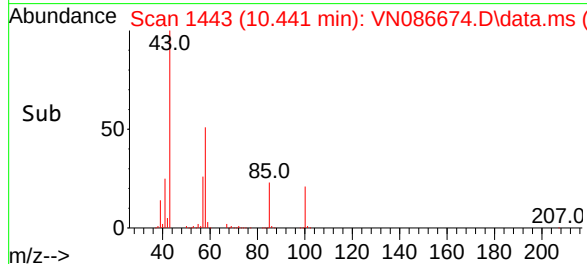
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 180142
Ion Ratio Lower Upper
43 100
58 43.5 33.9 50.9

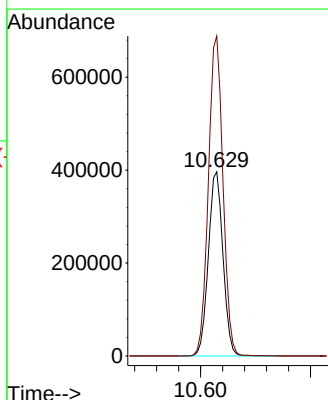
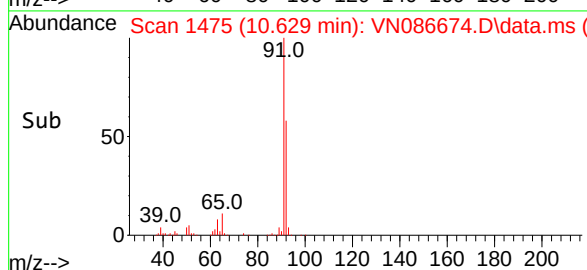
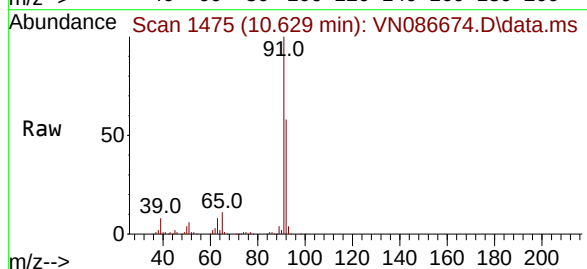
Manual Integrations
APPROVED

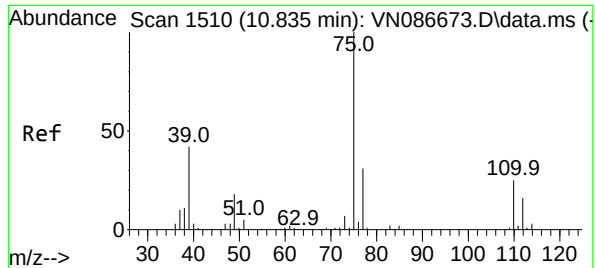
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#52
Toluene
Concen: 102.251 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

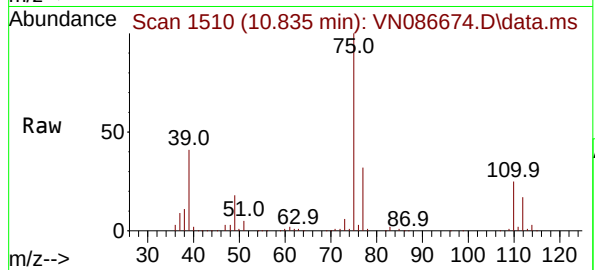
Tgt Ion: 92 Resp: 729998
Ion Ratio Lower Upper
92 100
91 173.5 137.8 206.8





#53
t-1,3-Dichloropropene
Concen: 100.206 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

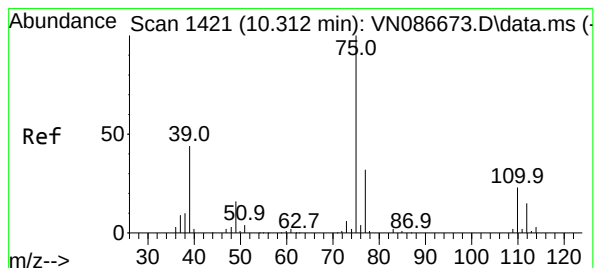
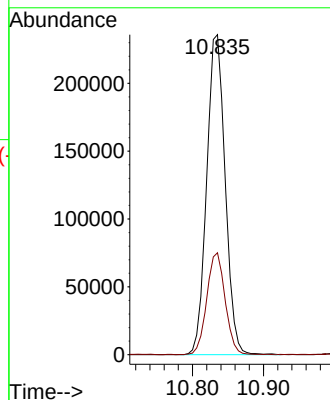
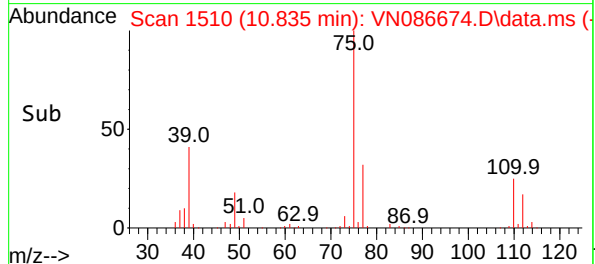
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 75 Resp: 427269
Ion Ratio Lower Upper
75 100
77 31.8 25.2 37.8

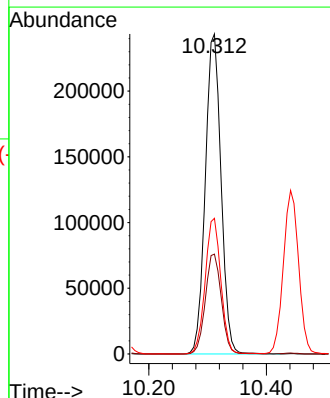
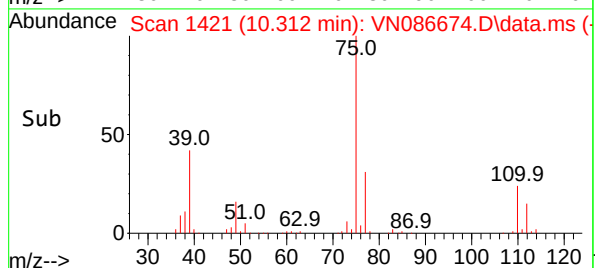
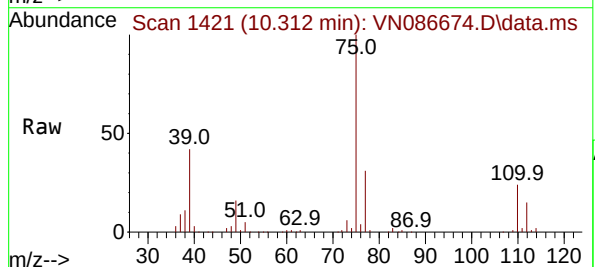
Manual Integrations
APPROVED

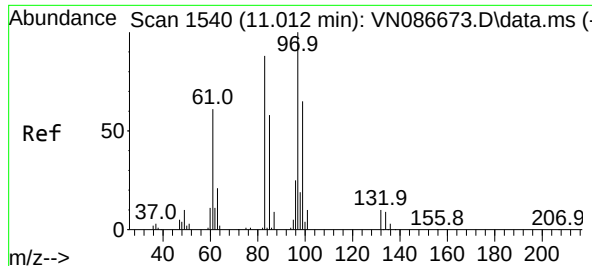
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#54
cis-1,3-Dichloropropene
Concen: 96.359 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

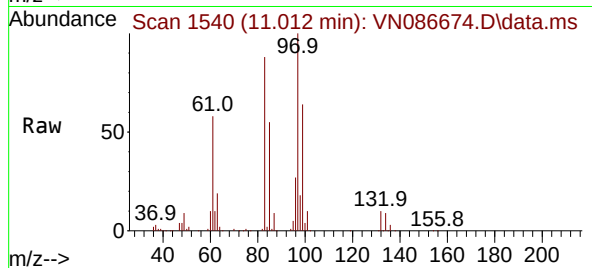
Tgt Ion: 75 Resp: 451979
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9
39 42.4 35.2 52.8





#55
1,1,2-Trichloroethane
Concen: 101.145 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

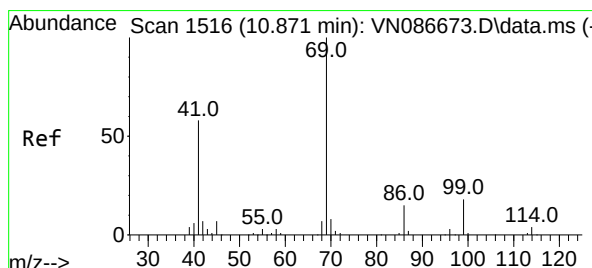
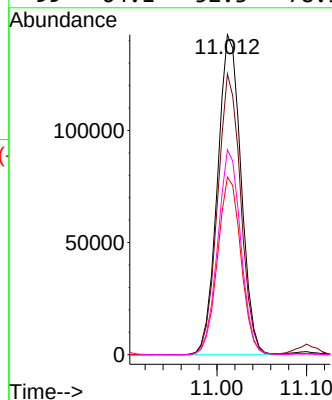
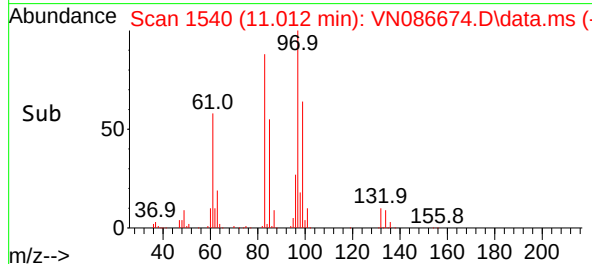
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 97 Resp: 26044
Ion Ratio Lower Upper
97 100
83 87.8 70.4 105.6
85 55.5 46.1 69.1
99 64.1 52.3 78.5

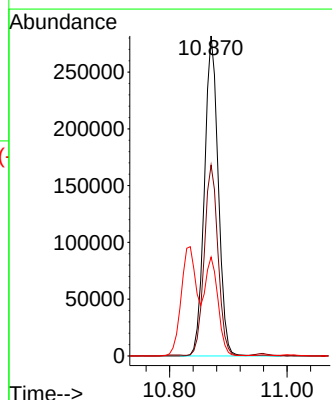
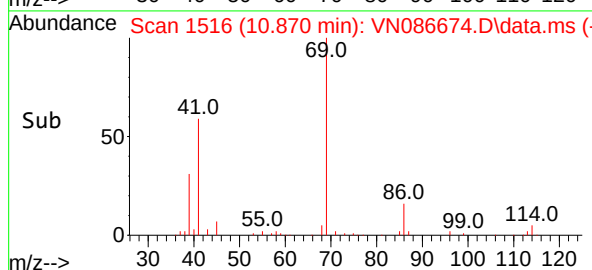
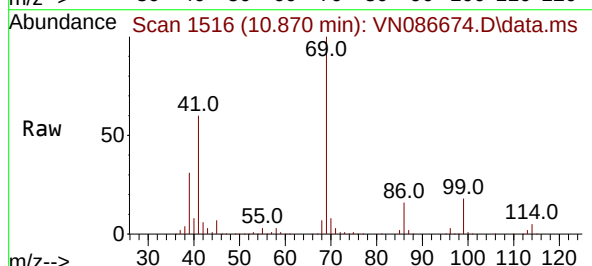
Manual Integrations
APPROVED

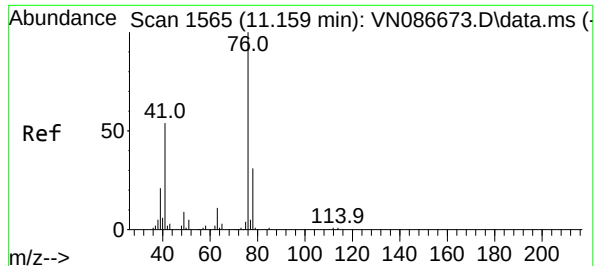
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#56
Ethyl methacrylate
Concen: 97.988 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

Tgt Ion: 69 Resp: 460358
Ion Ratio Lower Upper
69 100
41 59.1 47.4 71.0
39 29.0 24.0 36.0





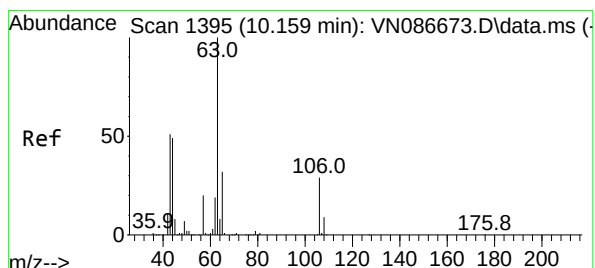
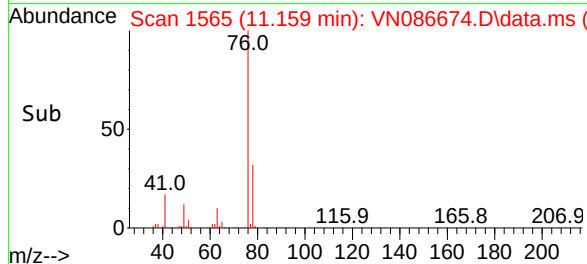
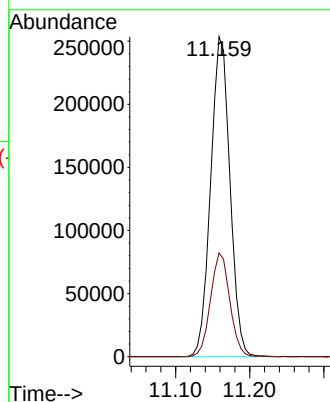
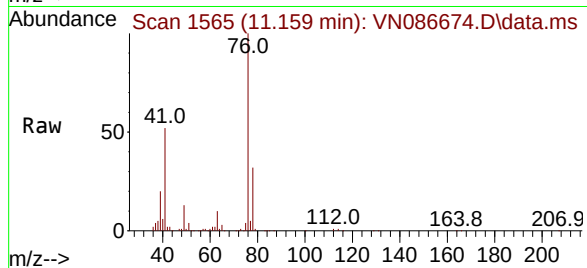
#57
1,3-Dichloropropane
Concen: 100.514 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 458200
Ion Ratio Lower Upper
76 100
78 32.4 25.8 38.8

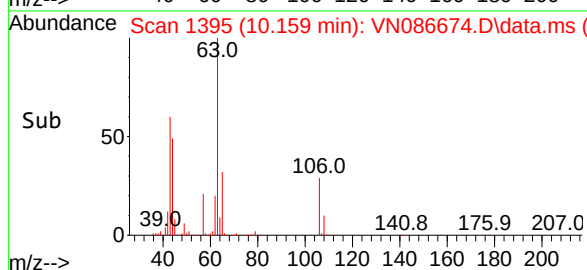
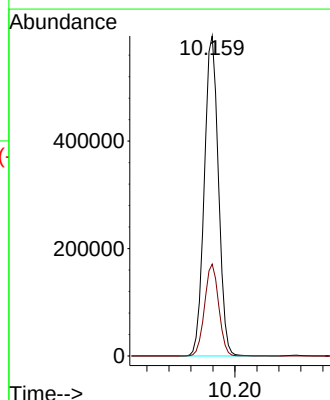
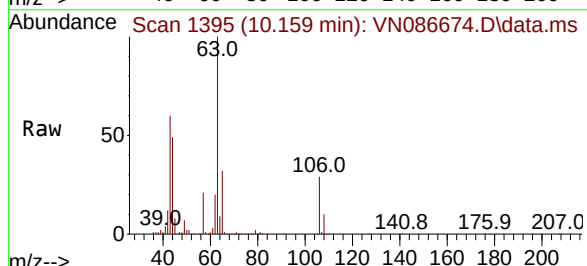
Manual Integrations
APPROVED

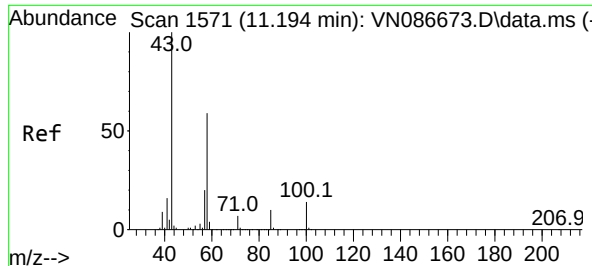
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#58
2-Chloroethyl Vinyl ether
Concen: 480.691 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

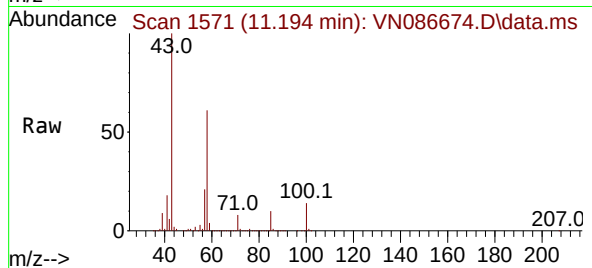
Tgt Ion: 63 Resp: 1060521
Ion Ratio Lower Upper
63 100
106 28.7 23.1 34.7





#59
2-Hexanone
Concen: 471.399 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

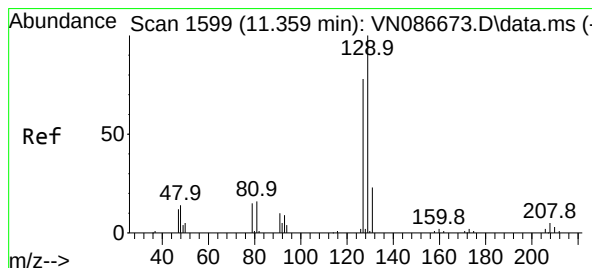
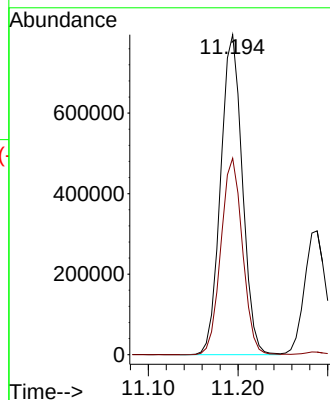
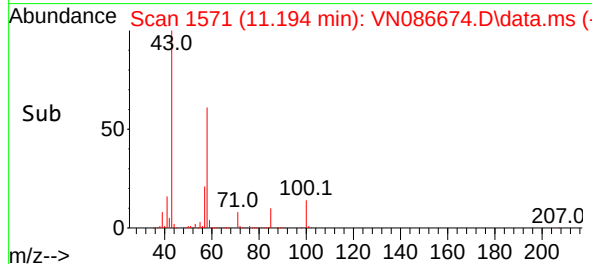
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 1333834
Ion Ratio Lower Upper
43 100
58 61.1 29.8 89.5

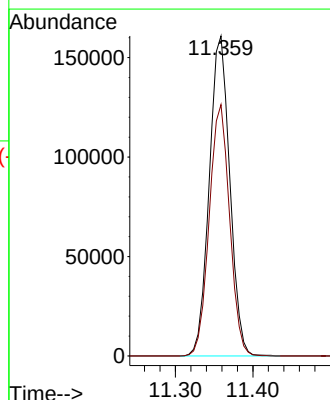
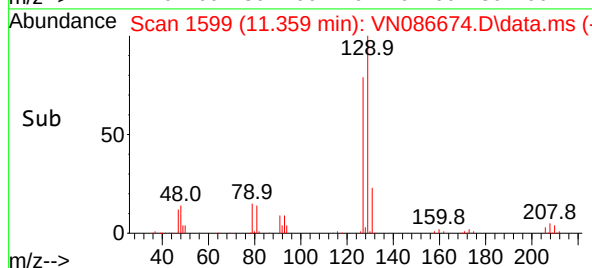
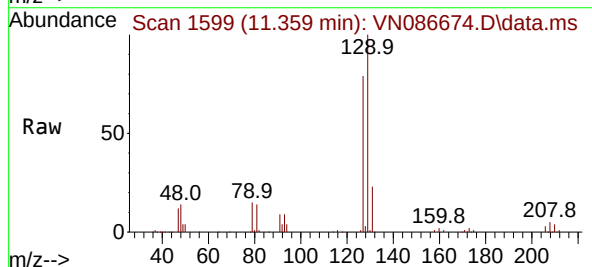
Manual Integrations
APPROVED

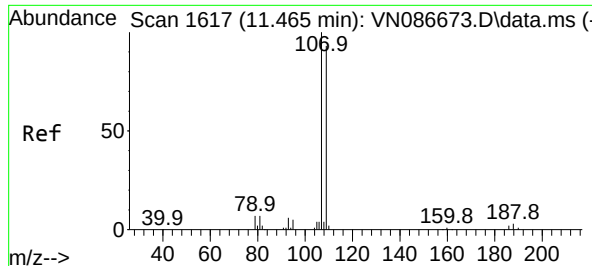
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#60
Dibromochloromethane
Concen: 105.038 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

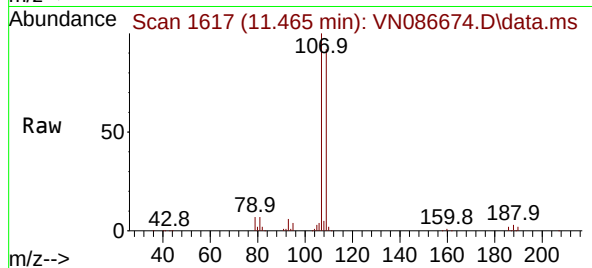
Tgt Ion:129 Resp: 295955
Ion Ratio Lower Upper
129 100
127 78.0 39.5 118.3





#61
1,2-Dibromoethane
Concen: 104.827 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

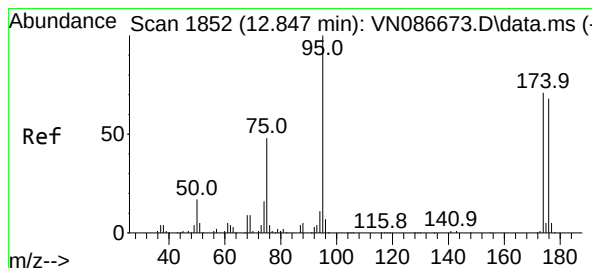
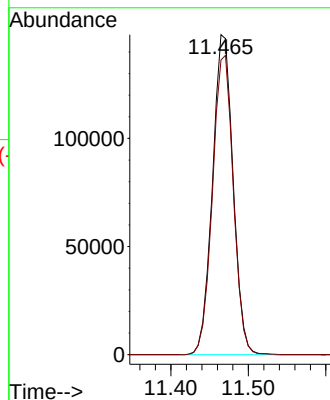
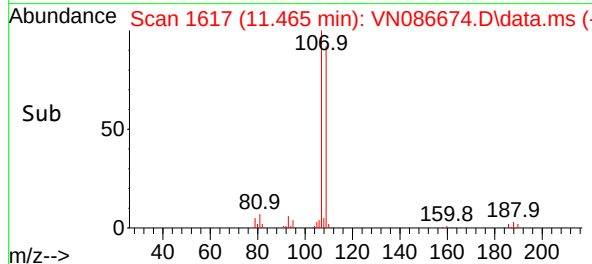
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:107 Resp: 273192
Ion Ratio Lower Upper
107 100
109 94.5 75.0 112.4

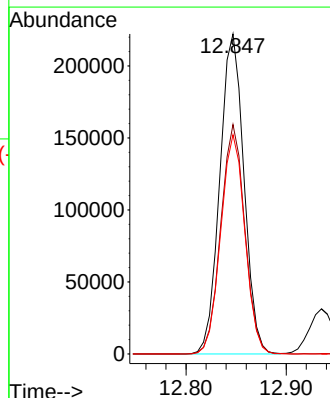
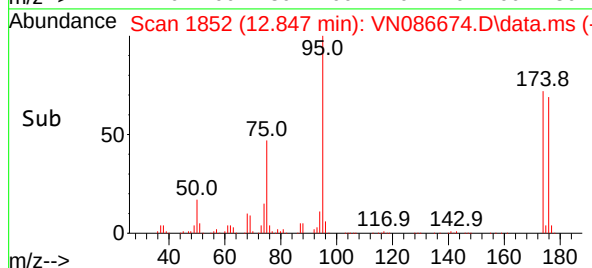
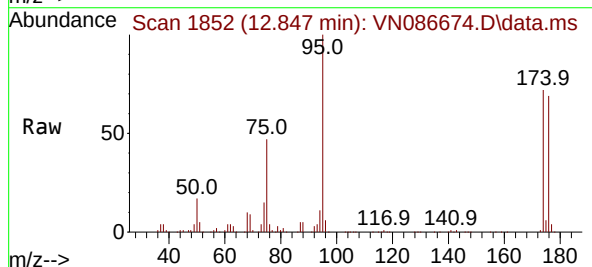
Manual Integrations
APPROVED

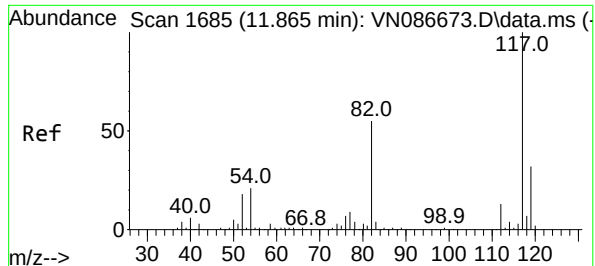
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#62
4-Bromofluorobenzene
Concen: 106.718 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

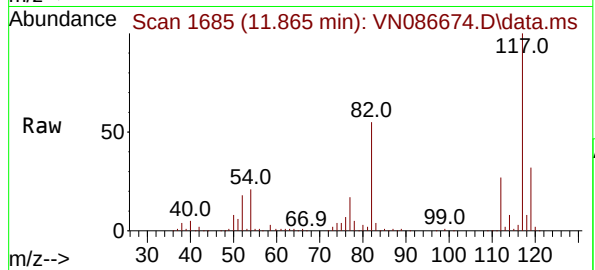
Tgt Ion: 95 Resp: 370788
Ion Ratio Lower Upper
95 100
174 71.4 0.0 145.4
176 68.6 0.0 137.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

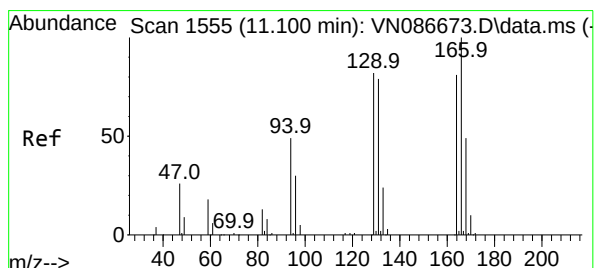
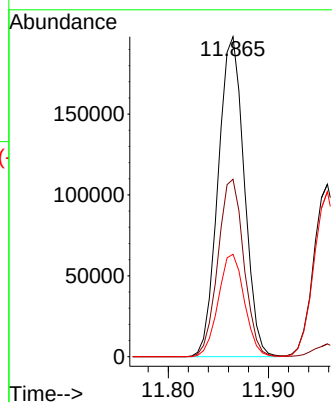
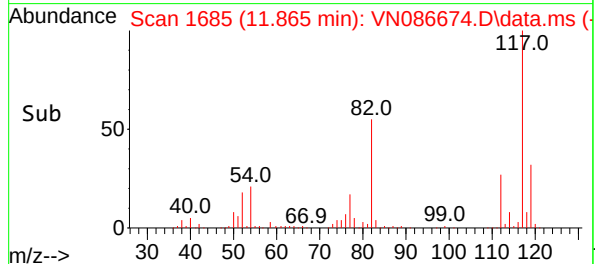
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:117 Resp: 35658
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.2
119 32.0 25.4 38.2

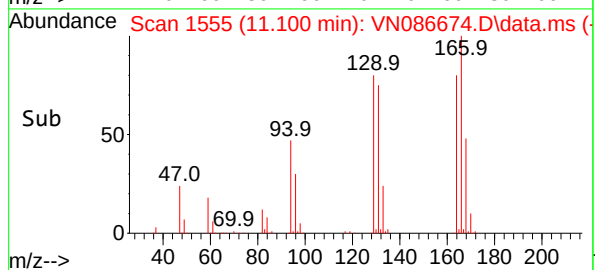
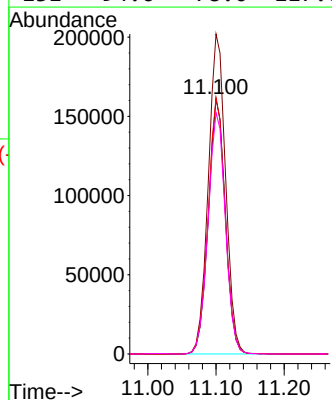
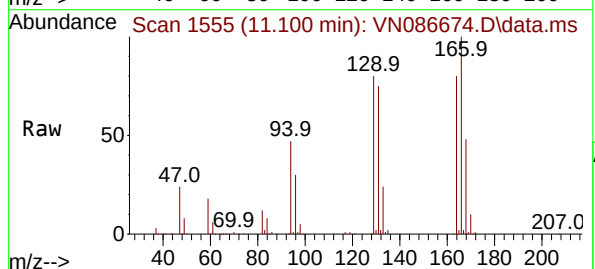
Manual Integrations
APPROVED

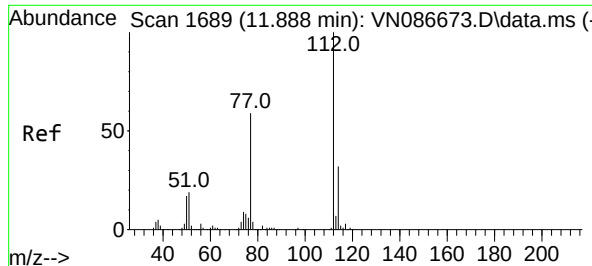
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#64
Tetrachloroethene
Concen: 102.021 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

Tgt Ion:164 Resp: 279652
Ion Ratio Lower Upper
164 100
166 125.4 98.2 147.4
129 100.3 81.0 121.4
131 94.6 78.0 117.0





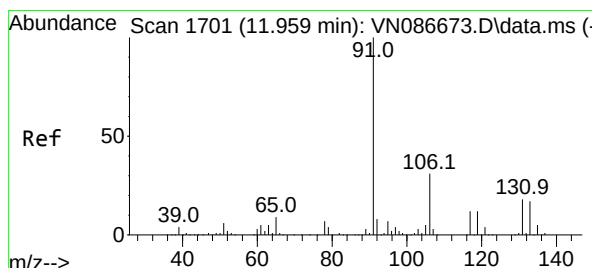
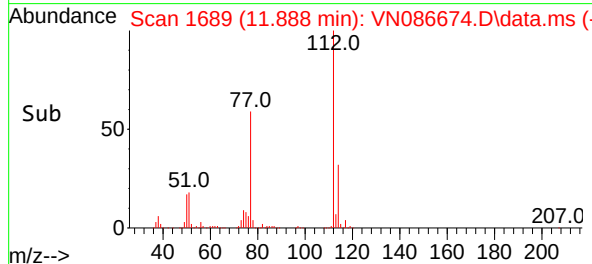
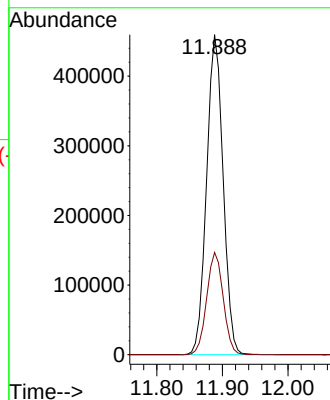
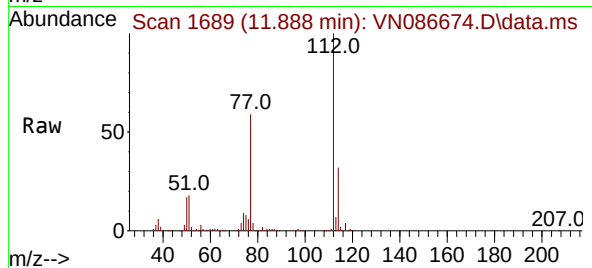
#65
Chlorobenzene
Concen: 101.096 ug/l
RT: 11.888 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 805630
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9

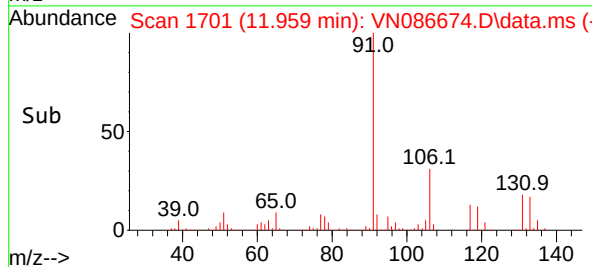
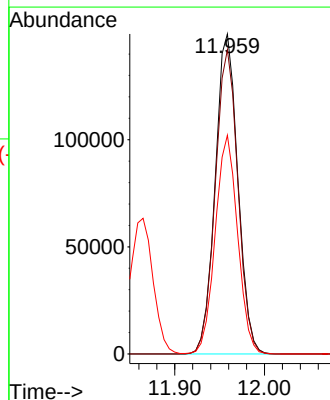
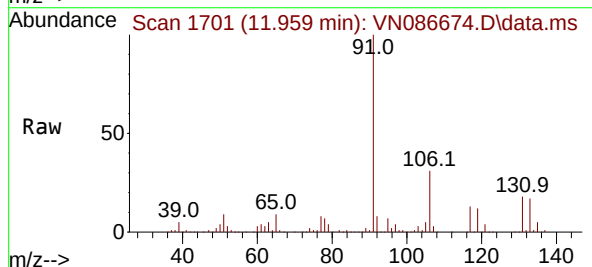
Manual Integrations
APPROVED

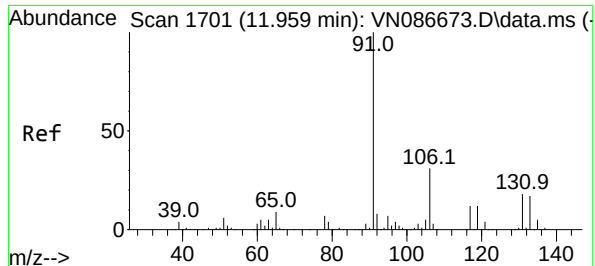
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 99.614 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

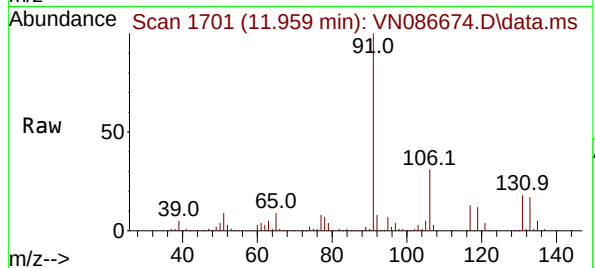
Tgt Ion:131 Resp: 261746
Ion Ratio Lower Upper
131 100
133 95.1 47.9 143.7
119 67.6 33.6 100.8





#67
Ethyl Benzene
Concen: 100.224 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

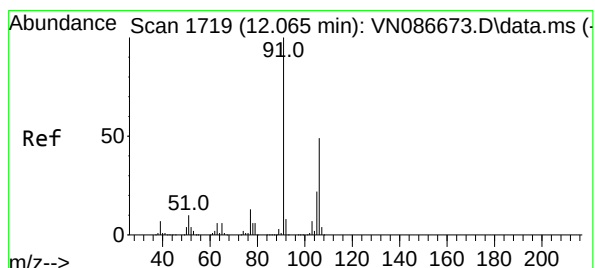
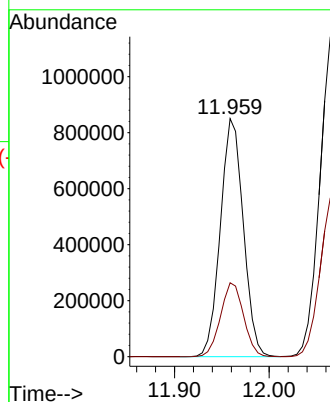
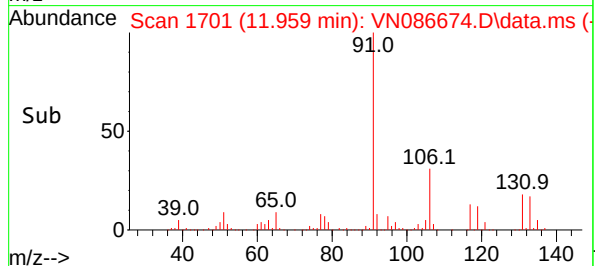
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 91 Resp: 1432940
Ion Ratio Lower Upper
91 100
106 31.1 24.6 36.8

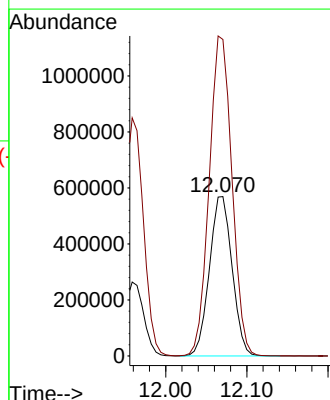
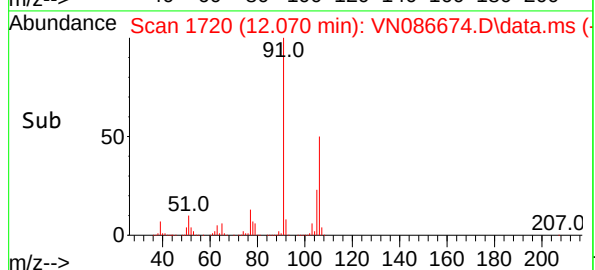
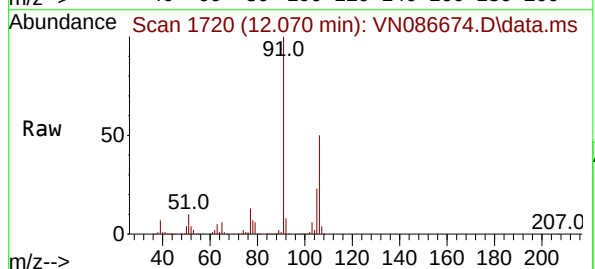
Manual Integrations
APPROVED

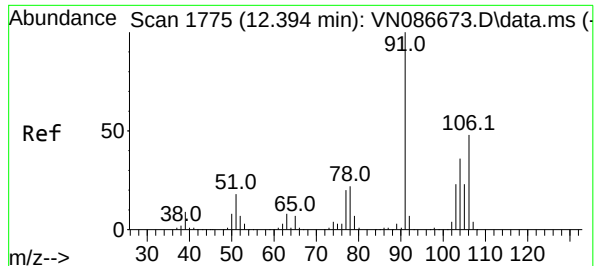
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#68
m/p-Xylenes
Concen: 205.723 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

Tgt Ion:106 Resp: 1104589
Ion Ratio Lower Upper
106 100
91 201.3 162.4 243.6





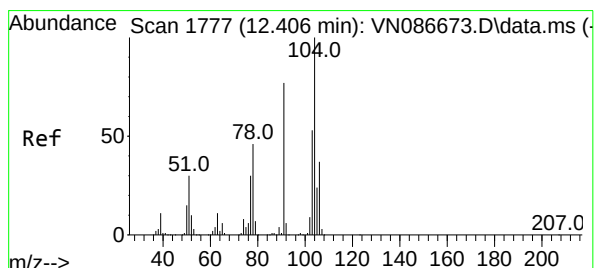
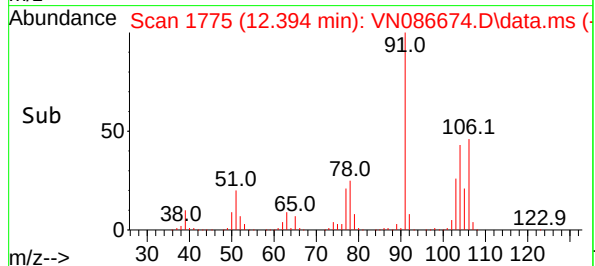
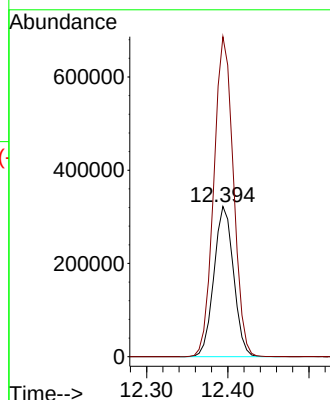
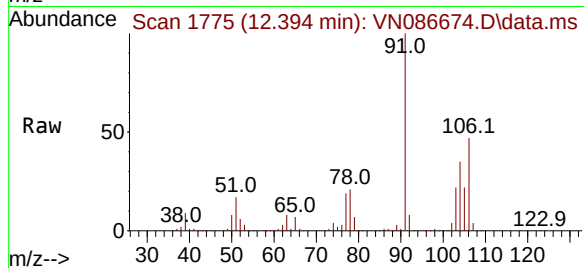
#69
o-Xylene
Concen: 101.570 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 541462
Ion Ratio Lower Upper
106 100
91 213.1 105.1 315.1

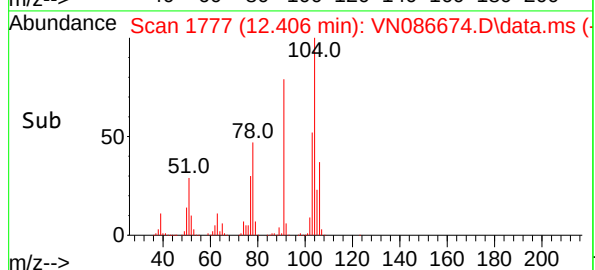
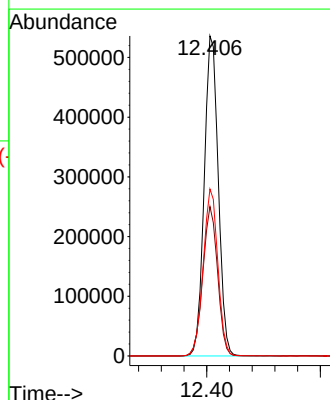
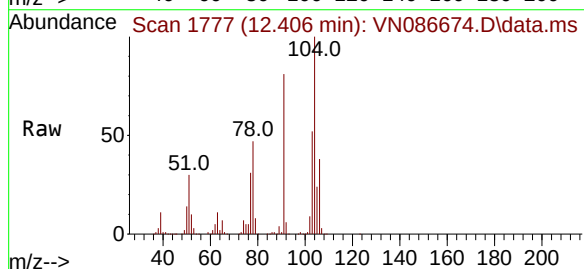
Manual Integrations
APPROVED

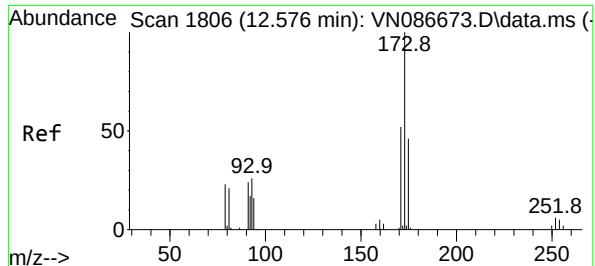
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#70
Styrene
Concen: 103.860 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

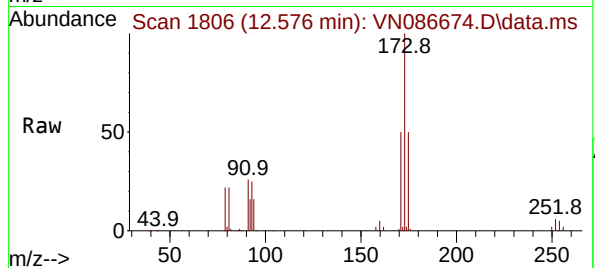
Tgt Ion:104 Resp: 918616
Ion Ratio Lower Upper
104 100
78 48.9 39.0 58.6
103 54.5 43.8 65.8





#71
Bromoform
Concen: 101.356 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

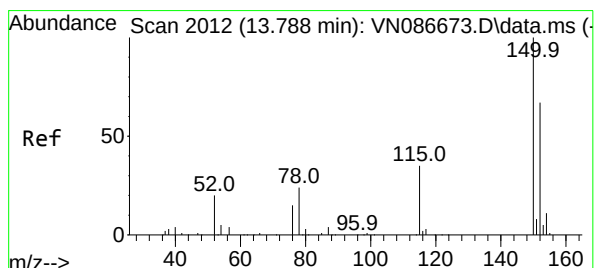
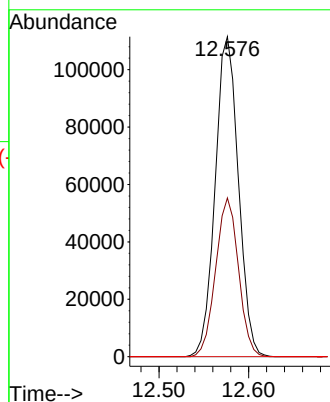
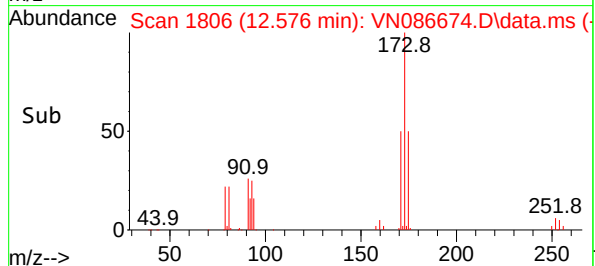
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:173 Resp: 200330
Ion Ratio Lower Upper
173 100
175 48.7 23.4 70.2
254 0.0 0.0 0.0

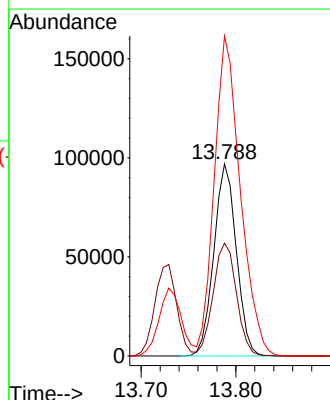
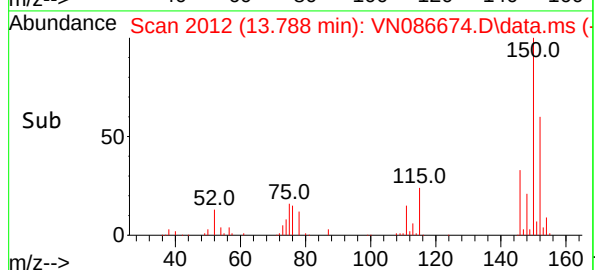
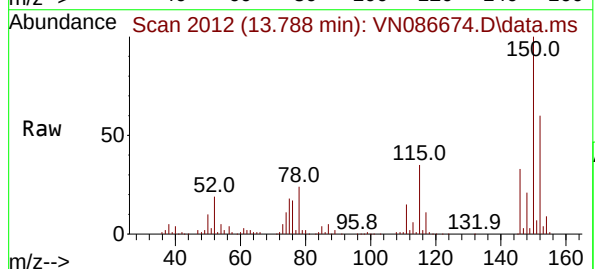
Manual Integrations
APPROVED

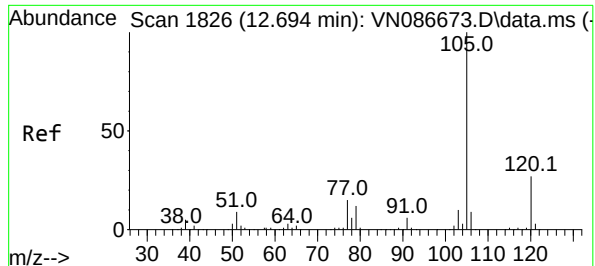
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

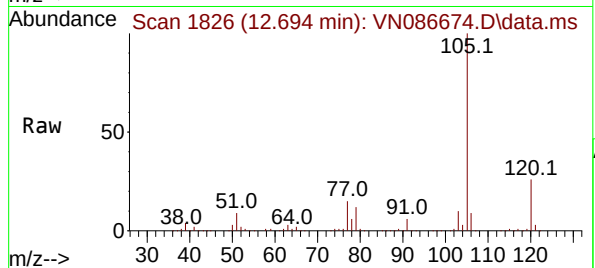
Tgt Ion:152 Resp: 159823
Ion Ratio Lower Upper
152 100
115 60.7 30.0 90.1
150 192.8 0.0 347.8





#73
Isopropylbenzene
Concen: 99.096 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

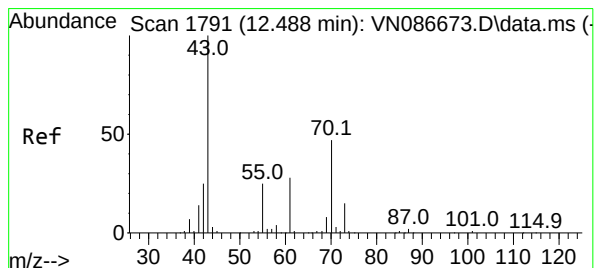
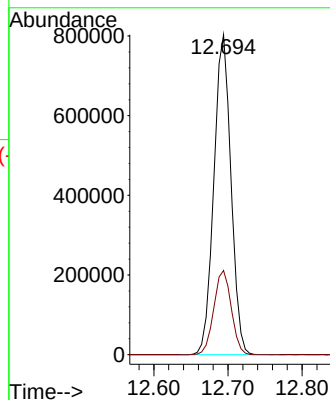
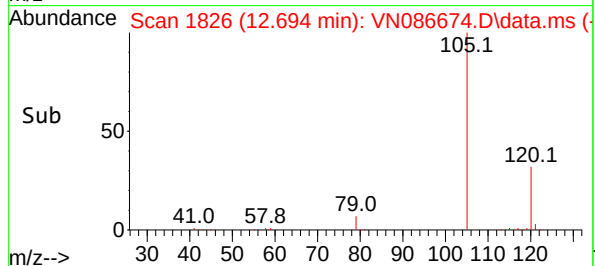
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:105 Resp: 1285698
Ion Ratio Lower Upper
105 100
120 26.9 13.4 40.1

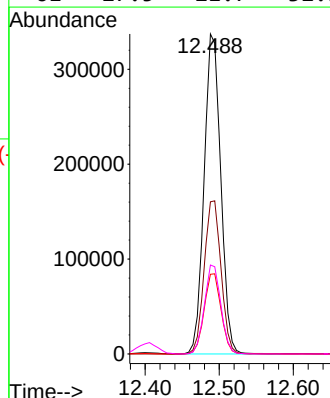
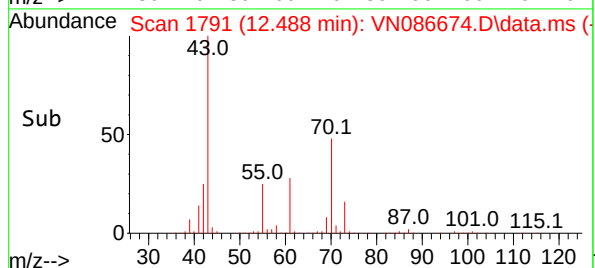
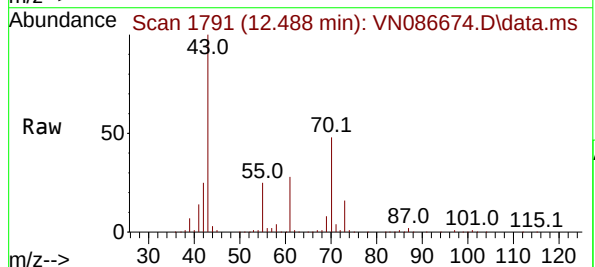
Manual Integrations
APPROVED

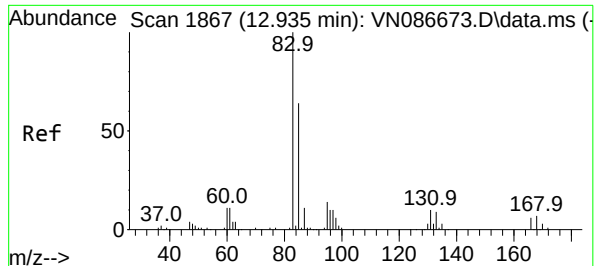
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#74
N-ethyl acetate
Concen: 82.794 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

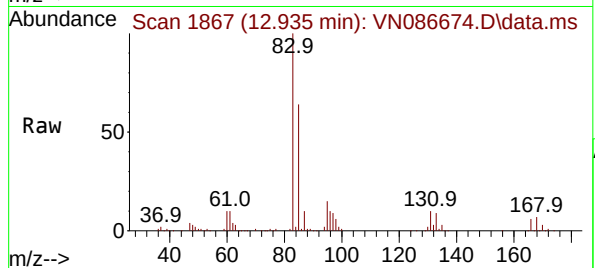
Tgt Ion: 43 Resp: 527018
Ion Ratio Lower Upper
43 100
70 48.5 37.9 56.9
55 25.4 20.5 30.7
61 27.5 21.7 32.5





#75
1,1,2,2-Tetrachloroethane
Concen: 98.064 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

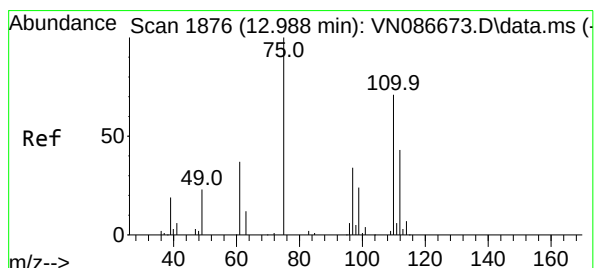
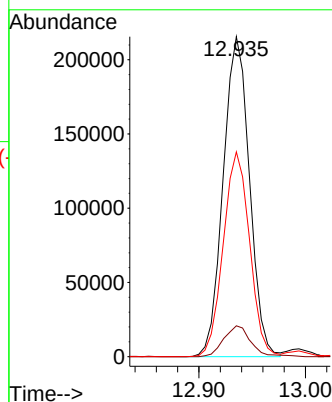
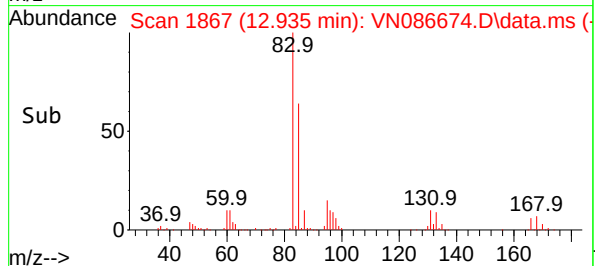
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 83 Resp: 369580
Ion Ratio Lower Upper
83 100
131 9.9 5.0 15.0
85 64.0 32.4 97.2

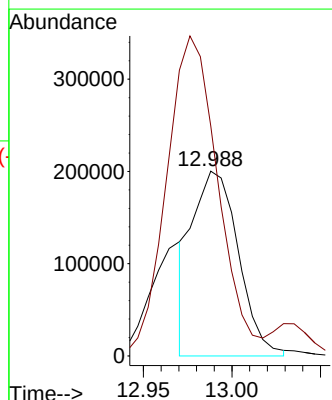
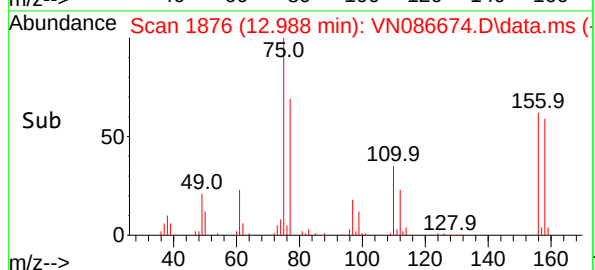
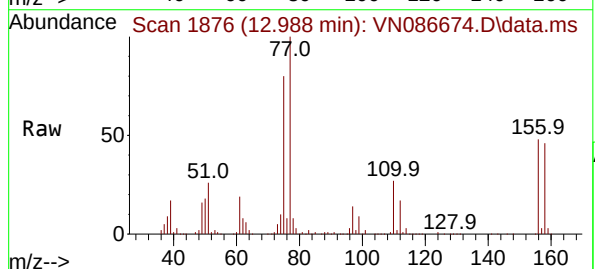
Manual Integrations
APPROVED

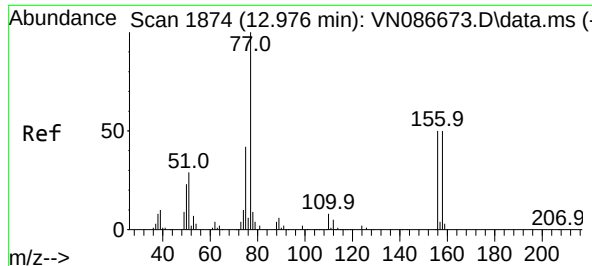
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#76
1,2,3-Trichloropropane
Concen: 96.057 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

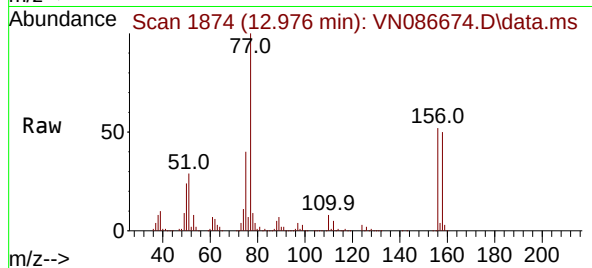
Tgt Ion: 75 Resp: 361465
Ion Ratio Lower Upper
75 100
77 194.2 96.0 288.1





#77
Bromobenzene
Concen: 107.874 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

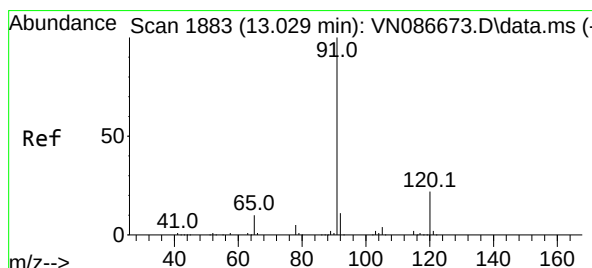
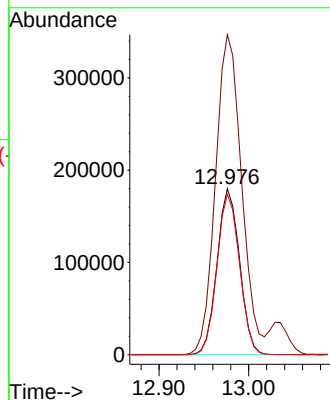
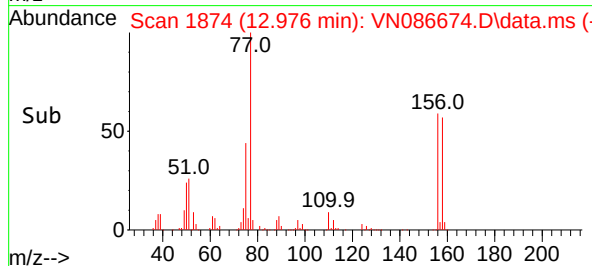
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:156 Resp: 31371
Ion Ratio Lower Upper
156 100
77 223.7 113.1 339.2
158 96.6 48.6 145.9

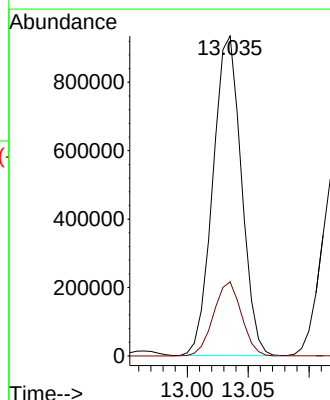
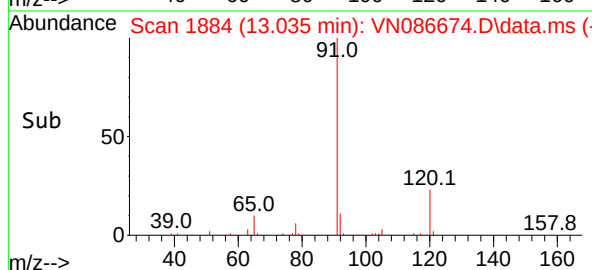
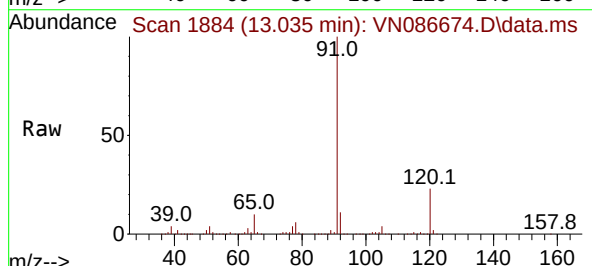
Manual Integrations
APPROVED

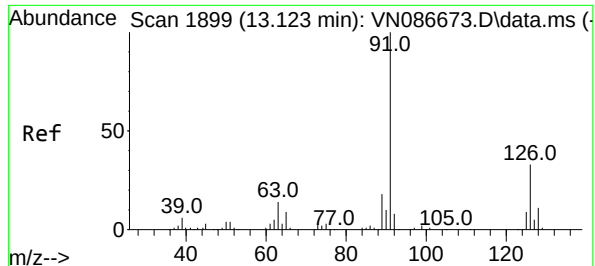
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#78
n-propylbenzene
Concen: 99.656 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

Tgt Ion: 91 Resp: 1519746
Ion Ratio Lower Upper
91 100
120 22.8 11.4 34.1





#79

2-Chlorotoluene

Concen: 98.175 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 941604

Ion Ratio Lower Upper

91 100

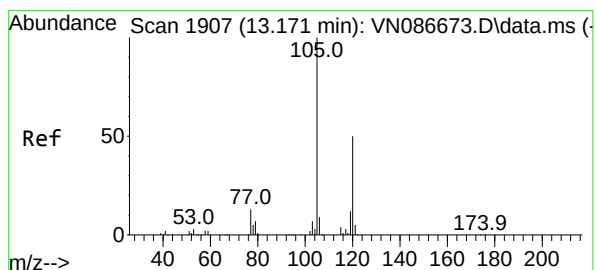
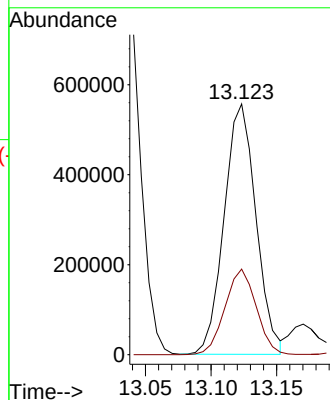
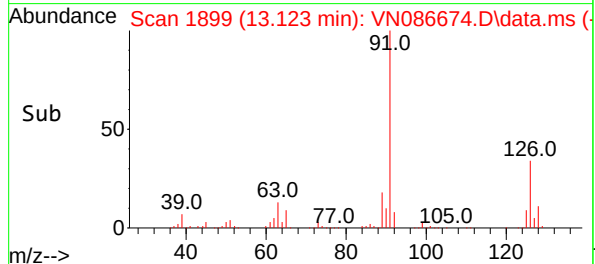
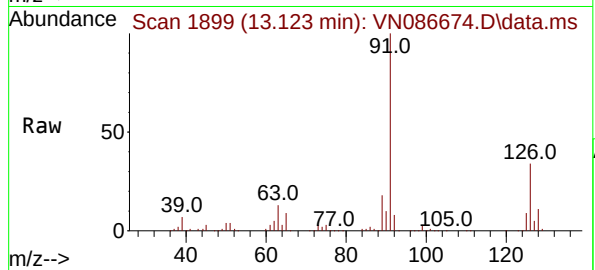
126 33.5 16.6 49.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#80

1,3,5-Trimethylbenzene

Concen: 98.009 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN086674.D

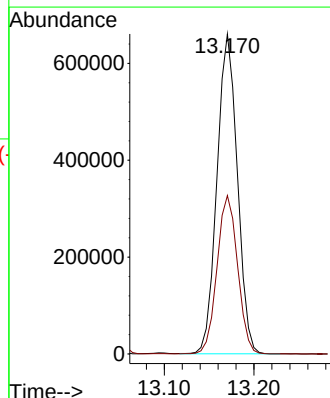
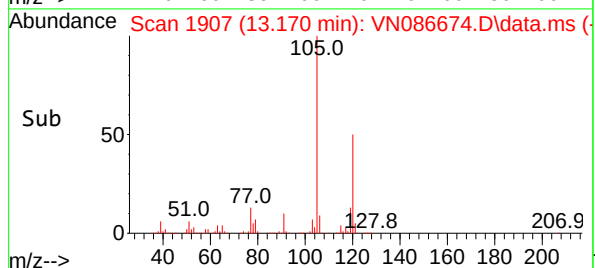
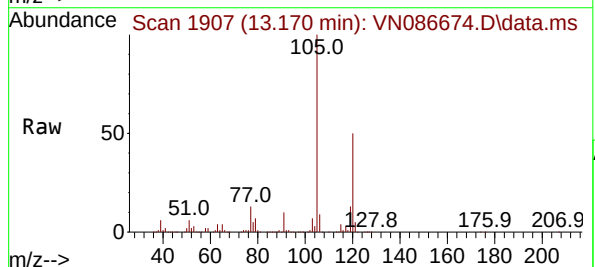
Acq: 16 May 2025 18:32

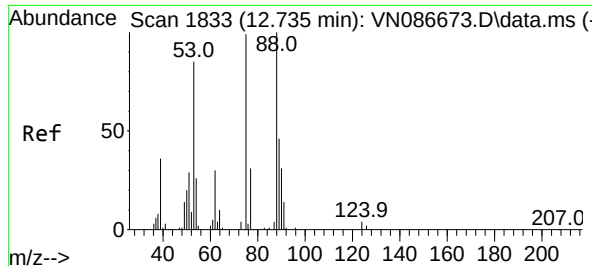
Tgt Ion:105 Resp: 1040889

Ion Ratio Lower Upper

105 100

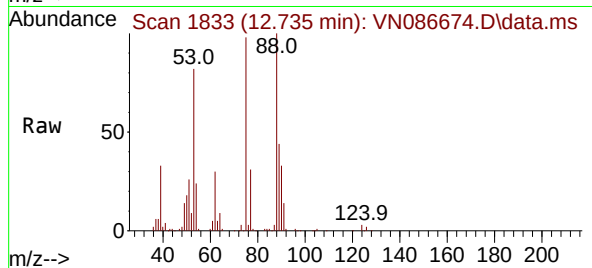
120 50.0 24.9 74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 96.916 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

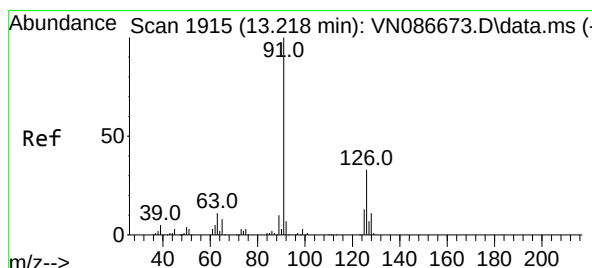
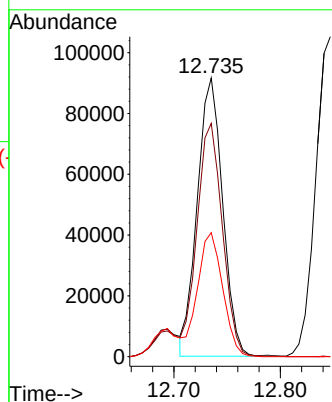
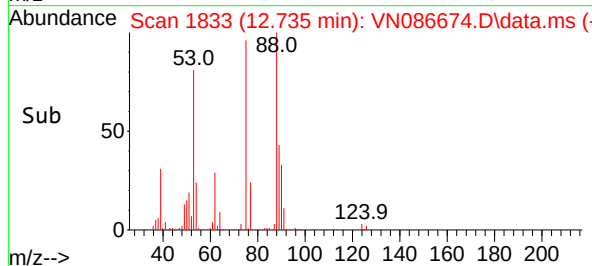
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 75 Resp: 151480
Ion Ratio Lower Upper
75 100
53 84.4 70.4 105.6
89 44.8 32.4 48.6

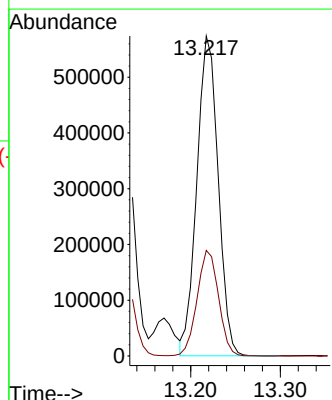
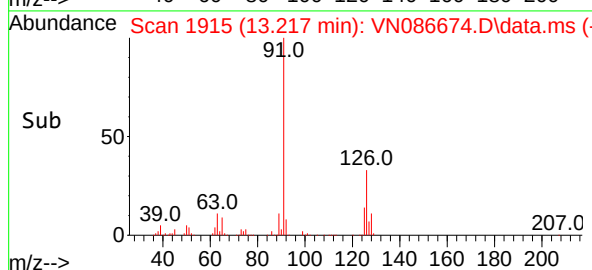
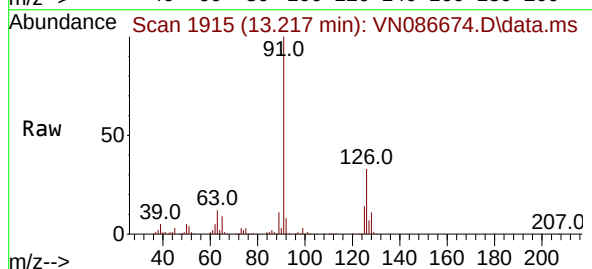
Manual Integrations
APPROVED

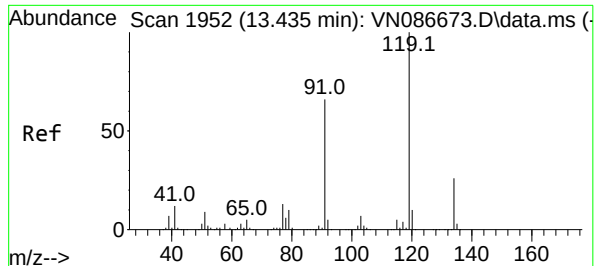
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#82
4-Chlorotoluene
Concen: 99.671 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

Tgt Ion: 91 Resp: 946308
Ion Ratio Lower Upper
91 100
126 33.2 17.0 50.9





#83

tert-Butylbenzene

Concen: 96.375 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:119 Resp: 887979

Ion Ratio Lower Upper

119 100

91 66.5 32.9 98.7

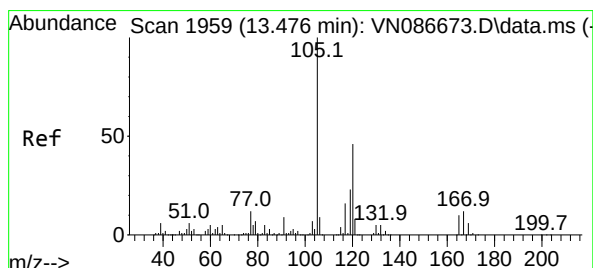
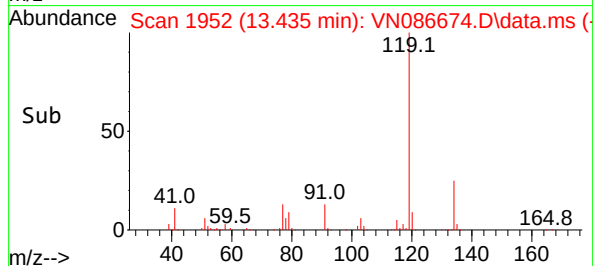
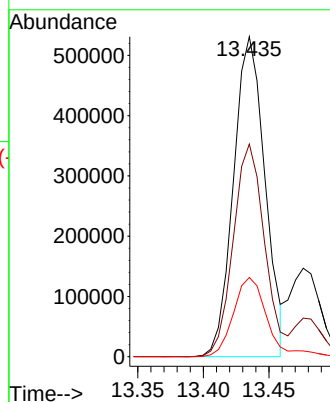
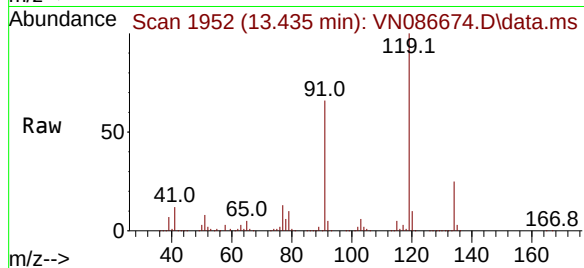
134 26.5 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#84

1,2,4-Trimethylbenzene

Concen: 97.589 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN086674.D

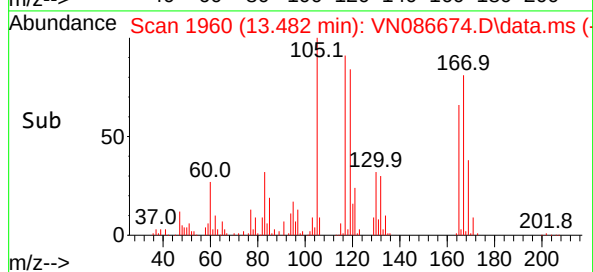
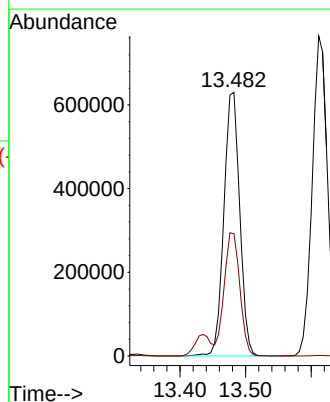
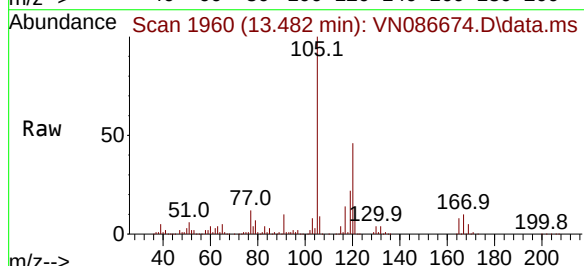
Acq: 16 May 2025 18:32

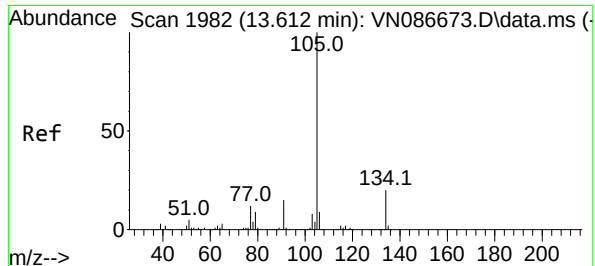
Tgt Ion:105 Resp: 1053192

Ion Ratio Lower Upper

105 100

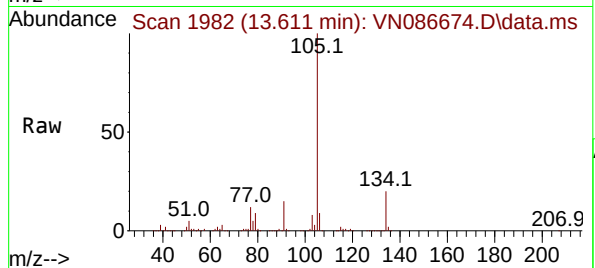
120 46.2 23.2 69.6





#85
sec-Butylbenzene
Concen: 97.578 ug/l
RT: 13.611 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

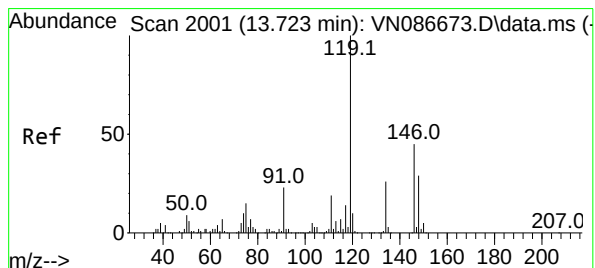
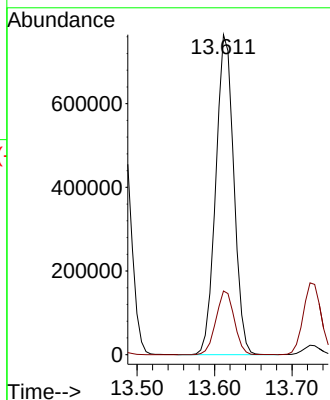
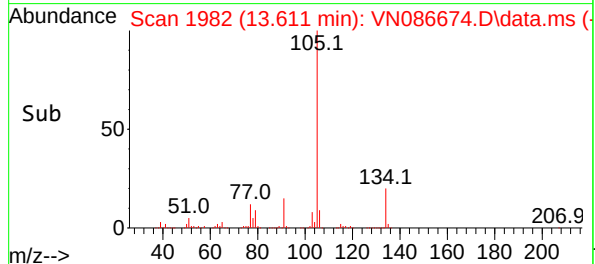
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion:105 Resp: 123888
Ion Ratio Lower Upper
105 100
134 20.2 10.1 30.1

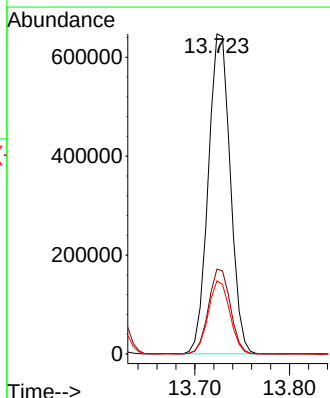
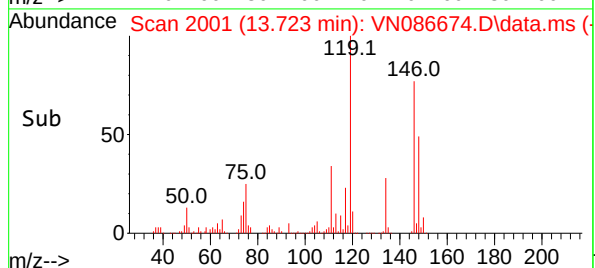
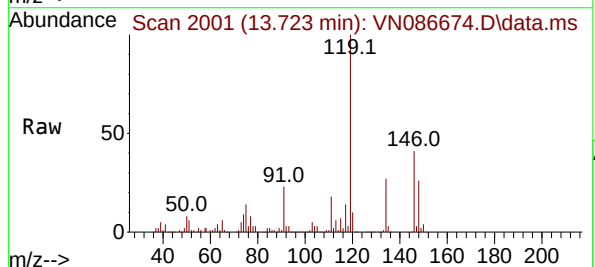
Manual Integrations
APPROVED

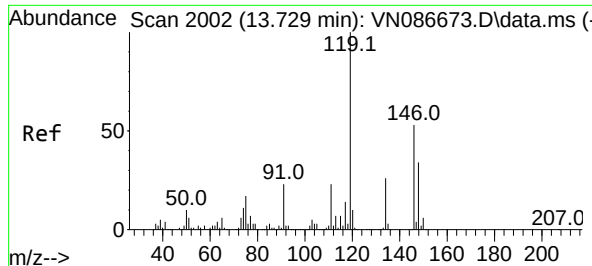
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#86
p-Isopropyltoluene
Concen: 99.663 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

Tgt Ion:119 Resp: 1042829
Ion Ratio Lower Upper
119 100
134 26.5 13.1 39.1
91 22.5 11.5 34.5





#87

1,3-Dichlorobenzene

Concen: 100.759 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:146 Resp: 54828

Ion Ratio Lower Upper

146 100

111 42.3 20.9 62.7

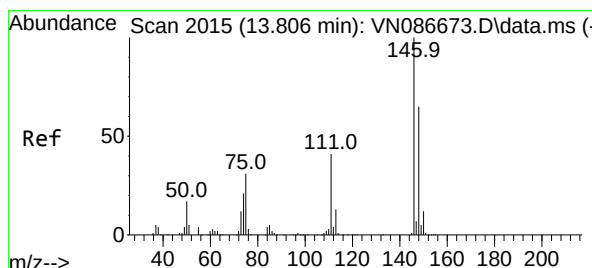
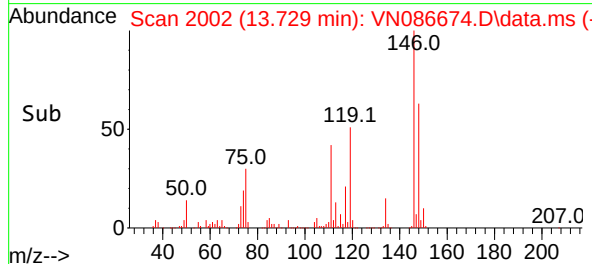
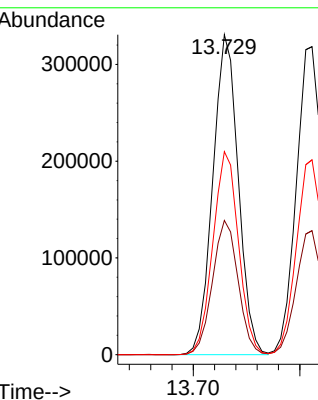
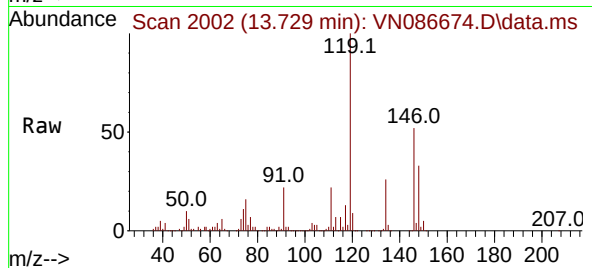
148 63.9 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#88

1,4-Dichlorobenzene

Concen: 100.036 ug/l

RT: 13.811 min Scan# 2016

Delta R.T. 0.006 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

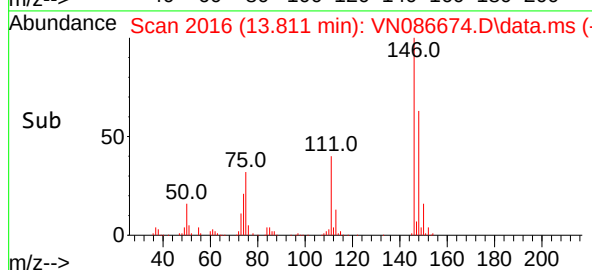
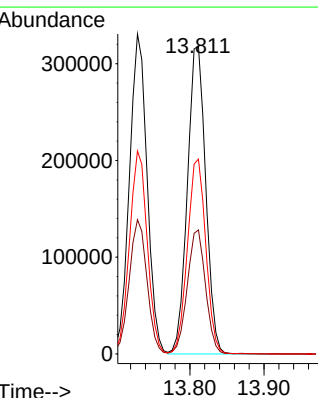
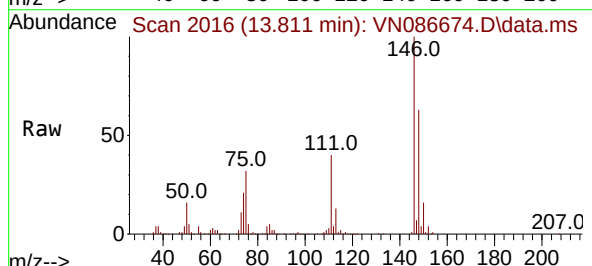
Tgt Ion:146 Resp: 547029

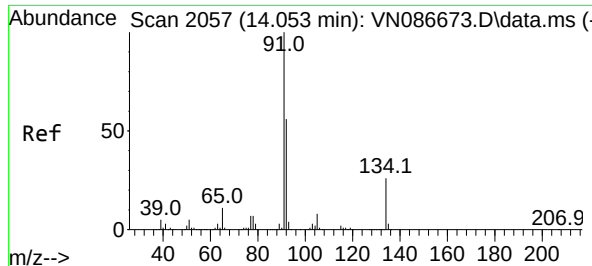
Ion Ratio Lower Upper

146 100

111 39.8 20.6 61.8

148 63.5 32.0 96.0





#89

n-Butylbenzene

Concen: 96.440 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

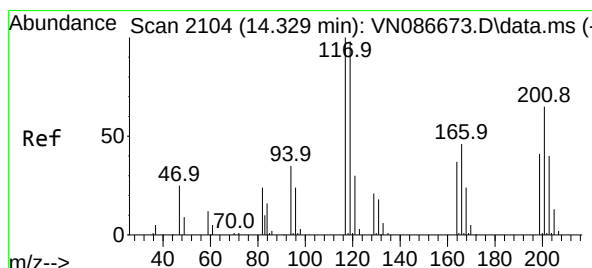
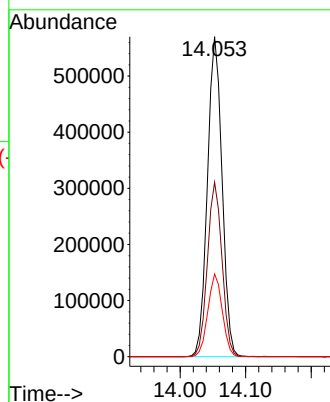
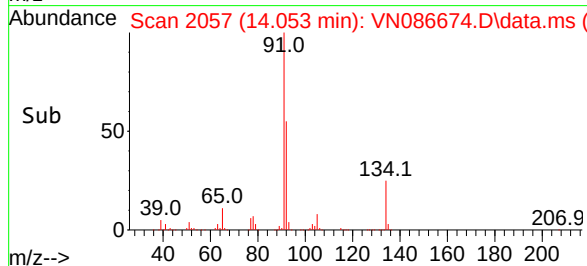
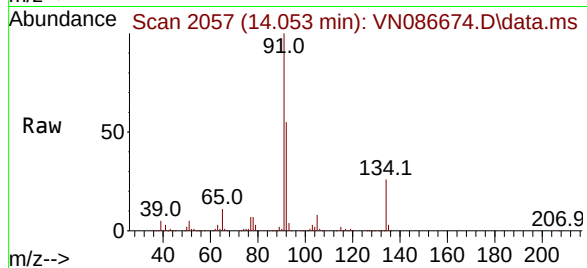
Tgt Ion:	91	Resp:	885854
Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.4	82.0
134	25.6	12.8	38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#90

Hexachloroethane

Concen: 100.975 ug/l

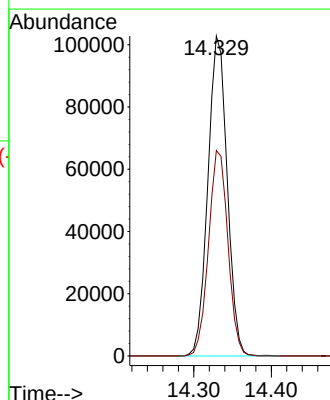
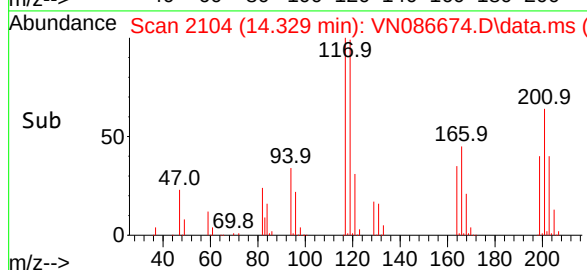
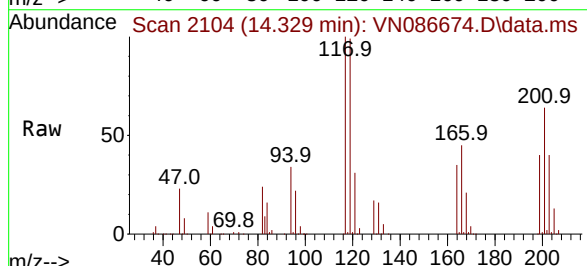
RT: 14.329 min Scan# 2104

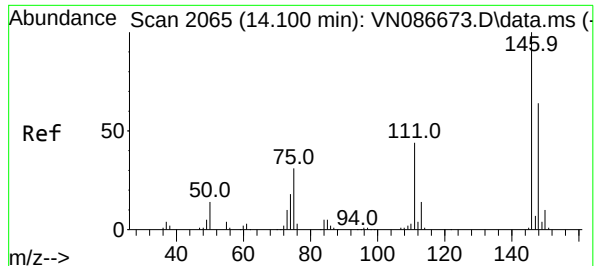
Delta R.T. -0.000 min

Lab File: VN086674.D

Acq: 16 May 2025 18:32

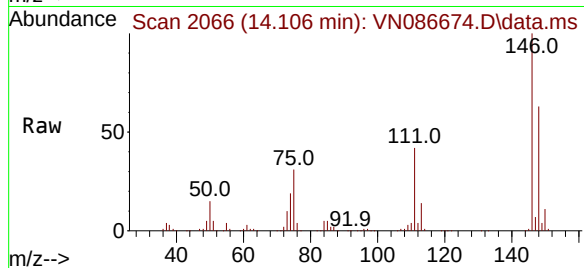
Tgt Ion:	117	Resp:	177725
Ion	Ratio	Lower	Upper
117	100		
201	64.6	32.0	96.0





#91
1,2-Dichlorobenzene
Concen: 96.922 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

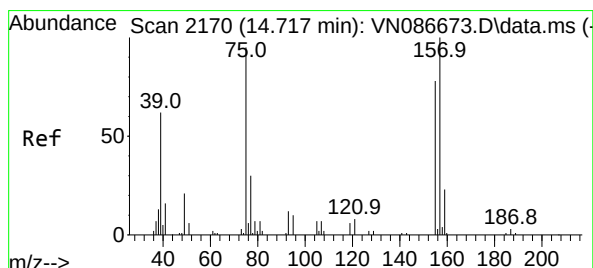
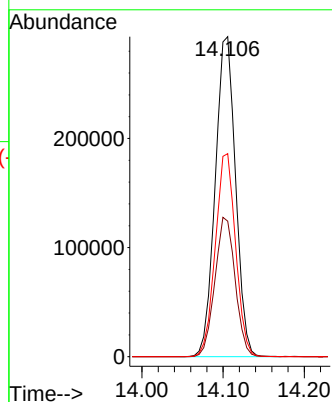
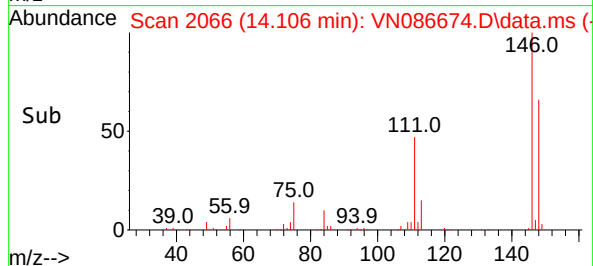
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:146 Resp: 511274
Ion Ratio Lower Upper
146 100
111 43.4 21.6 65.0
148 63.3 31.7 95.1

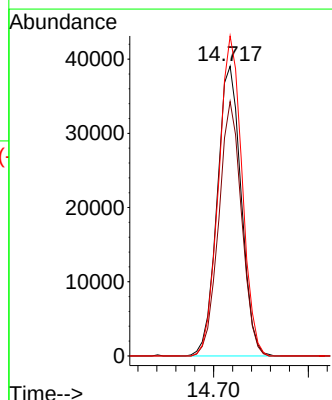
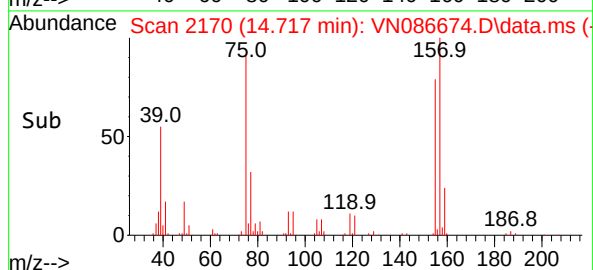
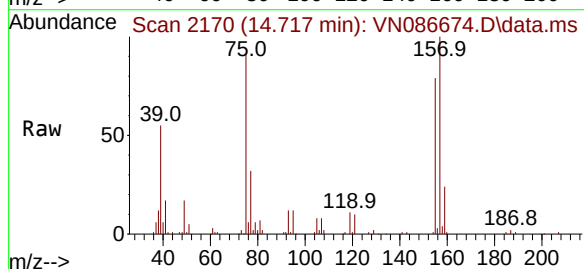
Manual Integrations
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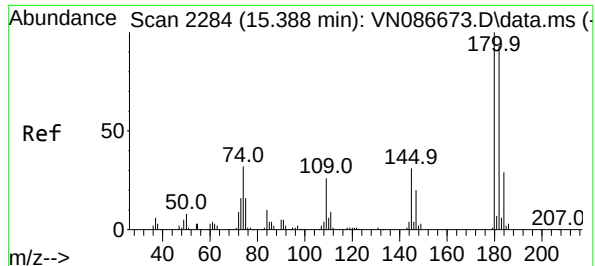
Reviewed By :John Carbone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 92.118 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

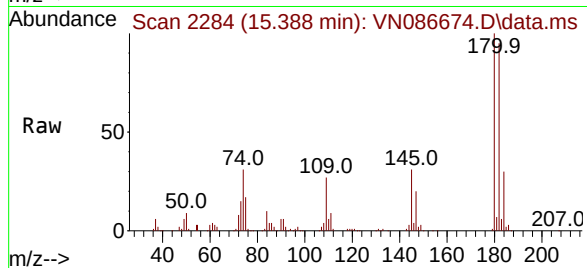
Tgt Ion: 75 Resp: 68755
Ion Ratio Lower Upper
75 100
155 83.6 40.5 121.5
157 107.9 53.6 160.8





#93
1,2,4-Trichlorobenzene
Concen: 100.491 ug/l
RT: 15.388 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

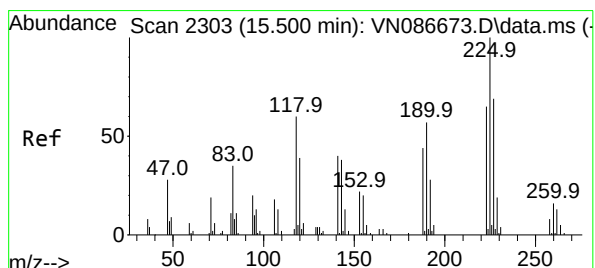
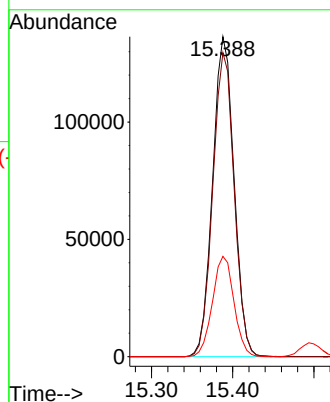
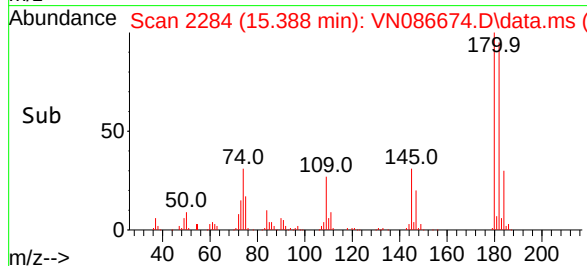
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:180 Resp: 24983
Ion Ratio Lower Upper
180 100
182 94.9 47.1 141.3
145 31.5 15.6 46.8

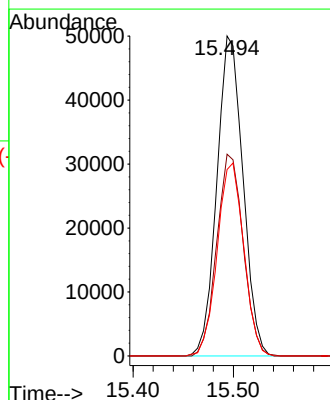
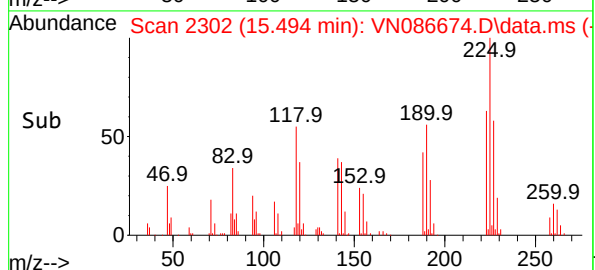
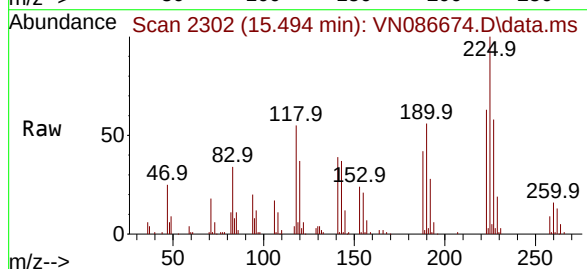
Manual Integrations
APPROVED

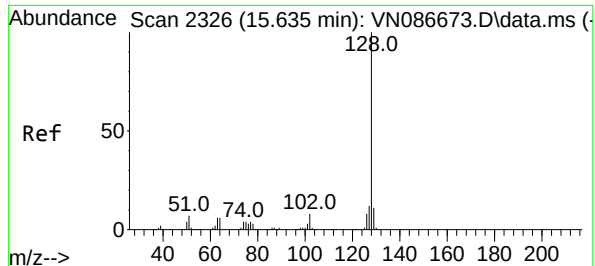
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#94
Hexachlorobutadiene
Concen: 95.636 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

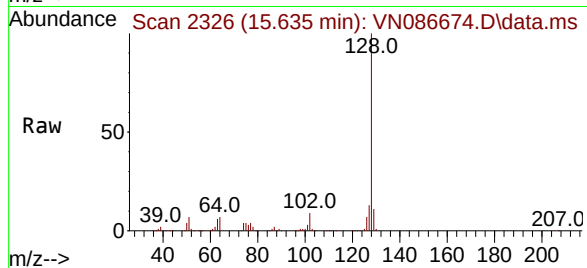
Tgt Ion:225 Resp: 90372
Ion Ratio Lower Upper
225 100
223 63.9 32.9 98.6
227 61.4 32.4 97.2





#95
Naphthalene
Concen: 98.763 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

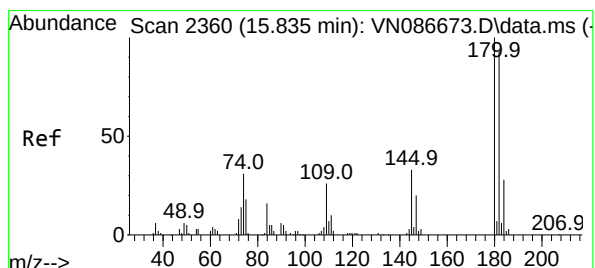
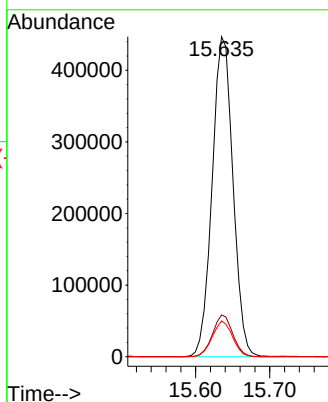
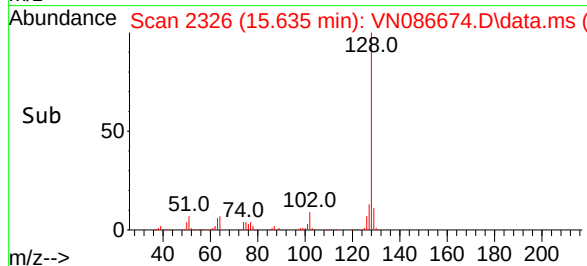
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion:128 Resp: 871550
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.8 8.6 13.0

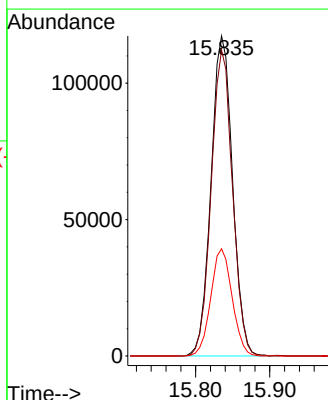
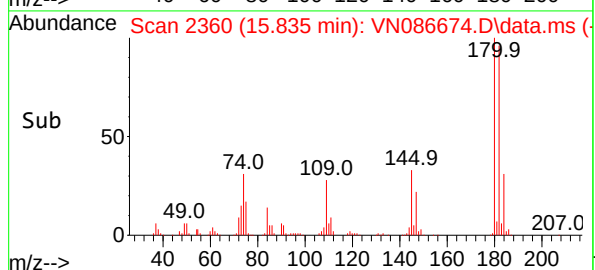
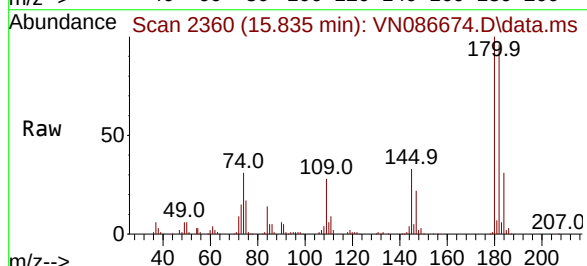
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 99.955 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086674.D
Acq: 16 May 2025 18:32

Tgt Ion:180 Resp: 236333
Ion Ratio Lower Upper
180 100
182 94.6 47.0 141.2
145 33.2 16.7 50.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
 Data File : VN086676.D
 Acq On : 16 May 2025 19:20
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051625

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2025
 Supervised By : Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:49:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	206060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	369474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	337944	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	160071	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	140264	49.261	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.520%		
35) Dibromofluoromethane	8.165	113	111929	50.868	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.740%		
50) Toluene-d8	10.565	98	473116	51.886	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.780%		
62) 4-Bromofluorobenzene	12.847	95	172745	53.653	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	107.300%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	125665	56.471	ug/l	100
3) Chloromethane	2.359	50	166521	49.474	ug/l	100
4) Vinyl Chloride	2.512	62	153716	50.852	ug/l	97
5) Bromomethane	2.948	94	85316	48.959	ug/l	94
6) Chloroethane	3.112	64	98096	49.538	ug/l	96
7) Trichlorofluoromethane	3.495	101	184202	50.991	ug/l	97
8) Diethyl Ether	3.959	74	75922	50.875	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	110896	51.278	ug/l	100
10) Methyl Iodide	4.589	142	139386	51.814	ug/l	98
11) Tert butyl alcohol	5.518	59	126055	243.079	ug/l	100
12) 1,1-Dichloroethene	4.342	96	114026	49.612	ug/l	99
13) Acrolein	4.171	56	131334	236.906	ug/l	100
14) Allyl chloride	5.024	41	169877	48.833	ug/l	99
15) Acrylonitrile	5.718	53	322582	251.235	ug/l	99
16) Acetone	4.424	43	253332	237.847	ug/l	96
17) Carbon Disulfide	4.712	76	325644	51.175	ug/l	99
18) Methyl Acetate	5.018	43	136726	45.864	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	392727	50.183	ug/l	98
20) Methylene Chloride	5.271	84	133075	47.346	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	120628	49.641	ug/l	98
22) Diisopropyl ether	6.665	45	398433	50.767	ug/l	98
23) Vinyl Acetate	6.600	43	1501158	254.501	ug/l	100
24) 1,1-Dichloroethane	6.565	63	228436	49.576	ug/l	100
25) 2-Butanone	7.477	43	412876	250.854	ug/l	100
26) 2,2-Dichloropropane	7.488	77	179110	47.102	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	148770	49.878	ug/l	99
28) Bromochloromethane	7.812	49	102816	49.112	ug/l	100
29) Tetrahydrofuran	7.835	42	273939	254.994	ug/l	100
30) Chloroform	7.965	83	223931	48.554	ug/l	97
31) Cyclohexane	8.253	56	202489	47.383	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	193811	49.842	ug/l	100
36) 1,1-Dichloropropene	8.371	75	166757	51.379	ug/l	100
37) Ethyl Acetate	7.559	43	164737	50.247	ug/l	99
38) Carbon Tetrachloride	8.359	117	162681	50.871	ug/l	97
39) Methylcyclohexane	9.594	83	182529	51.961	ug/l	99
40) Benzene	8.600	78	533304	50.369	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
 Data File : VN086676.D
 Acq On : 16 May 2025 19:20
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051625

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2025
 Supervised By : Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:49:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	90551	51.153	ug/l	98
42) 1,2-Dichloroethane	8.671	62	165024	50.029	ug/l	99
43) Isopropyl Acetate	8.682	43	298004	45.341	ug/l	100
44) Trichloroethene	9.347	130	129339	50.647	ug/l	98
45) 1,2-Dichloropropane	9.618	63	126955	50.475	ug/l	99
46) Dibromomethane	9.706	93	85276	50.246	ug/l	99
47) Bromodichloromethane	9.882	83	177360	50.719	ug/l	100
48) Methyl methacrylate	9.677	41	131470	51.620	ug/l	99
49) 1,4-Dioxane	9.694	88	57410	1064.544	ug/l	96
51) 4-Methyl-2-Pentanone	10.441	43	841754	253.963	ug/l	99
52) Toluene	10.624	92	338248	51.401	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	194124	52.432	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	207544	51.351	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	120996	49.290	ug/l	99
56) Ethyl methacrylate	10.871	69	211241	53.596	ug/l	99
57) 1,3-Dichloropropane	11.159	76	212276	50.196	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	477348	270.990	ug/l	100
59) 2-Hexanone	11.194	43	631633	260.961	ug/l	100
60) Dibromochloromethane	11.359	129	133981	52.080	ug/l	98
61) 1,2-Dibromoethane	11.465	107	124934	50.647	ug/l	100
64) Tetrachloroethene	11.100	164	127416	49.218	ug/l	97
65) Chlorobenzene	11.888	112	366001	49.389	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	118803	49.660	ug/l	100
67) Ethyl Benzene	11.959	91	644463	50.773	ug/l	99
68) m/p-Xylenes	12.065	106	496729	103.321	ug/l	100
69) o-Xylene	12.394	106	244673	51.191	ug/l	99
70) Styrene	12.406	104	414973	53.030	ug/l	100
71) Bromoform	12.576	173	91062	53.523	ug/l #	97
73) Isopropylbenzene	12.694	105	584704	47.295	ug/l	100
74) N-amyl acetate	12.488	43	247445	47.905	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	174276	45.885	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	166845m	46.088	ug/l	
77) Bromobenzene	12.976	156	143739	46.220	ug/l	100
78) n-propylbenzene	13.029	91	695292	49.006	ug/l	100
79) 2-Chlorotoluene	13.123	91	442834	48.004	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	484744	48.940	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	68425	47.700	ug/l	97
82) 4-Chlorotoluene	13.217	91	439811	48.122	ug/l	99
83) tert-Butylbenzene	13.435	119	410379	47.509	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	493314	50.014	ug/l	99
85) sec-Butylbenzene	13.612	105	568753	49.105	ug/l	99
86) p-Isopropyltoluene	13.723	119	482931	50.868	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	263213	48.877	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	264501	49.573	ug/l	99
89) n-Butylbenzene	14.053	91	408204	51.865	ug/l	99
90) Hexachloroethane	14.329	117	79755	50.631	ug/l	100
91) 1,2-Dichlorobenzene	14.100	146	254715	49.729	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	33507	53.253	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	113245	52.378	ug/l	100
94) Hexachlorobutadiene	15.494	225	44035	49.090	ug/l	97
95) Naphthalene	15.635	128	393211	52.378	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	106918	50.497	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086676.D
Acq On : 16 May 2025 19:20
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

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

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

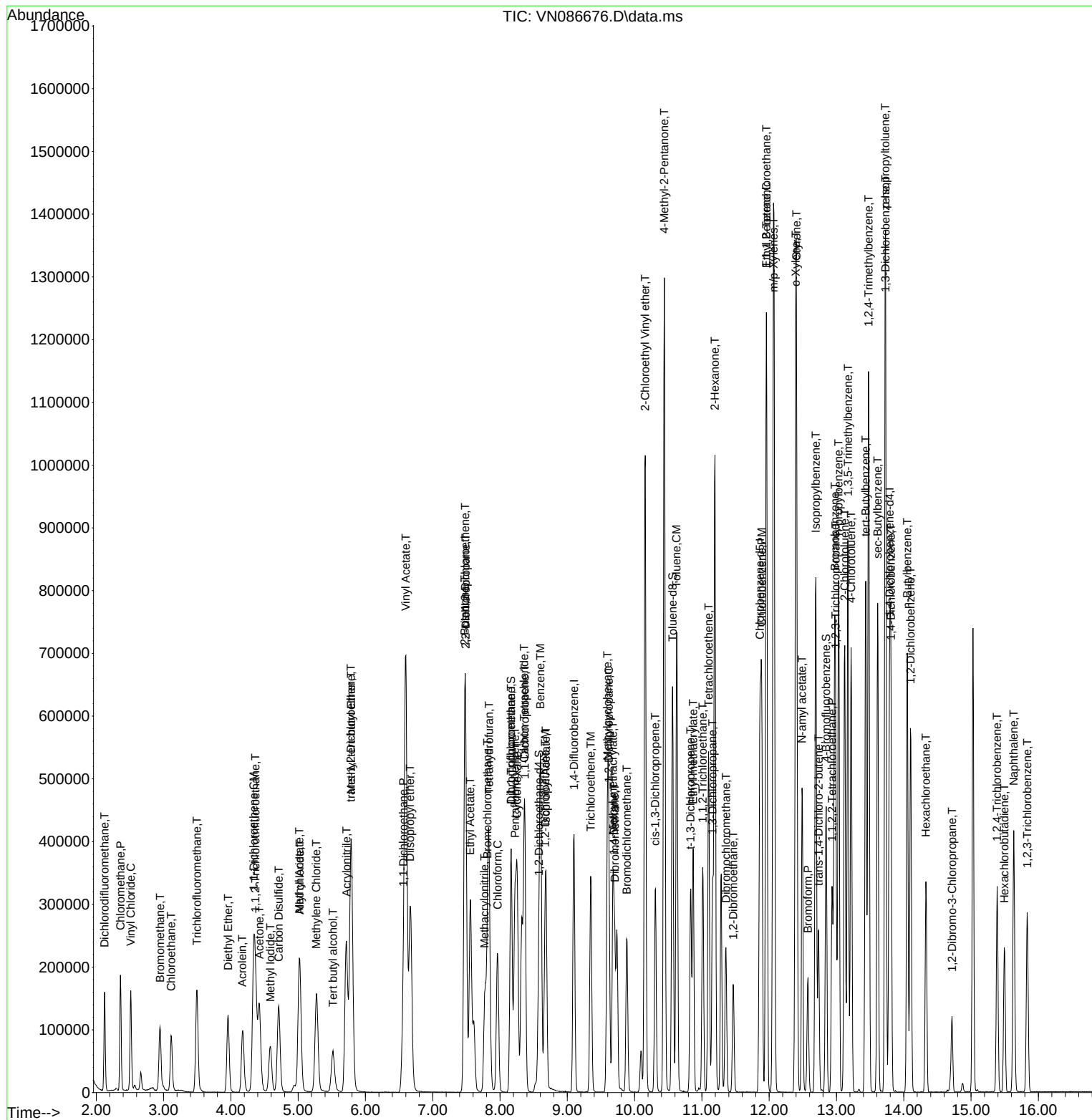
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Data File : VN086676.D
Acq On : 16 May 2025 19:20
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

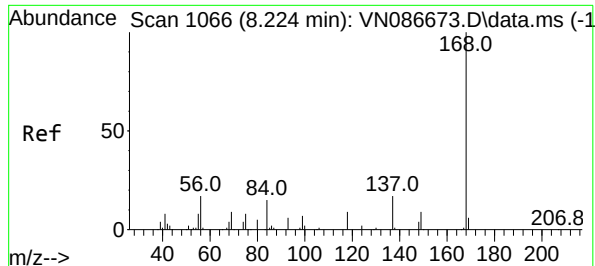
Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625

Manual Integrations
APPROVED

Reviewed By : John Carlone 05/19/2025
Supervised By : Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration





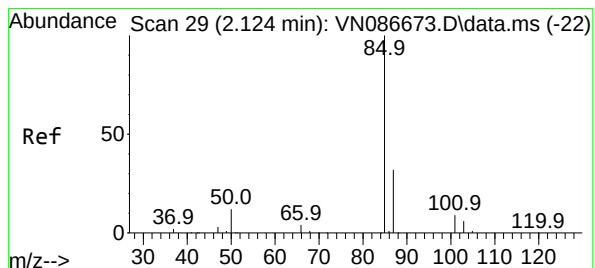
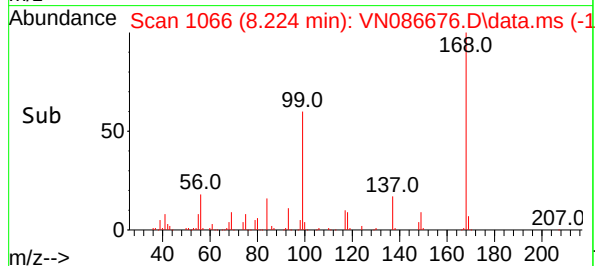
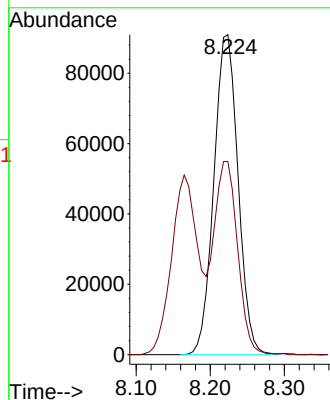
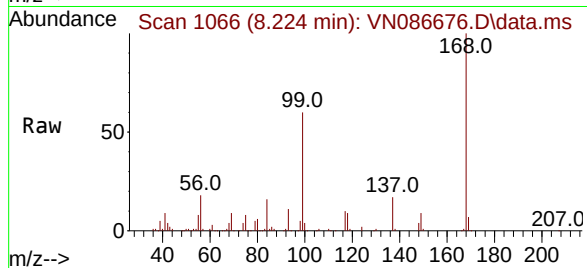
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625

Tgt Ion:168 Resp: 206060
Ion Ratio Lower Upper
168 100
99 60.1 47.0 70.4

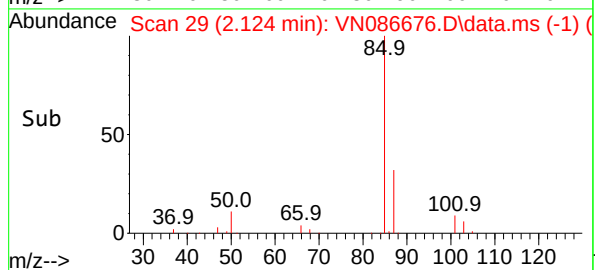
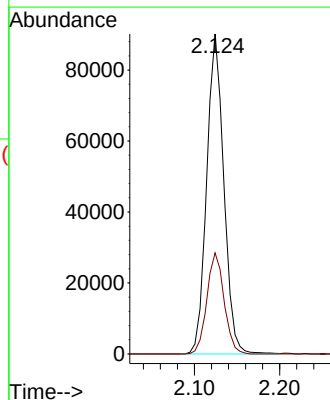
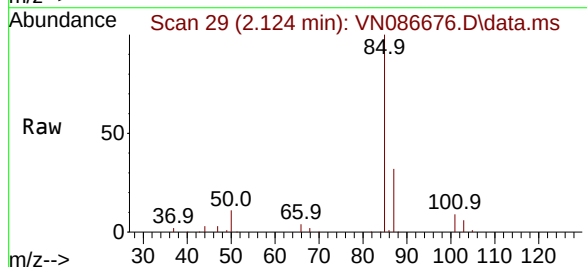
Manual Integrations
APPROVED

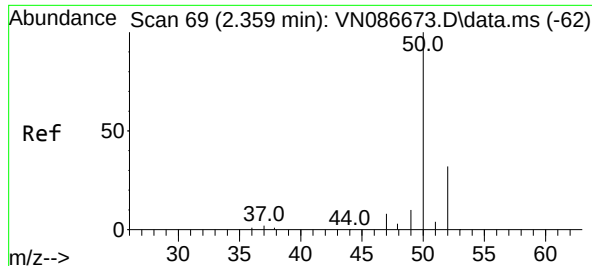
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#2
Dichlorodifluoromethane
Concen: 56.471 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

Tgt Ion: 85 Resp: 125665
Ion Ratio Lower Upper
85 100
87 31.6 15.9 47.6





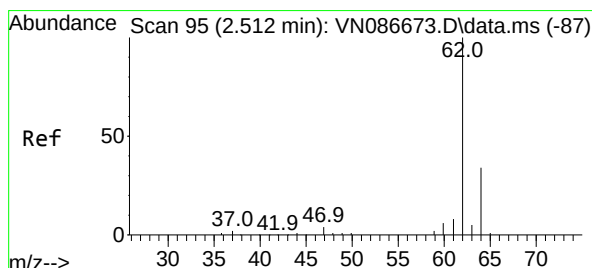
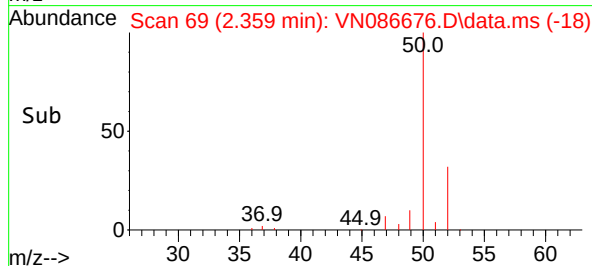
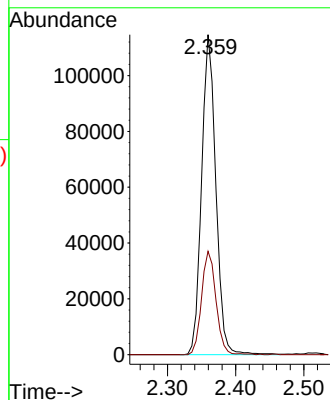
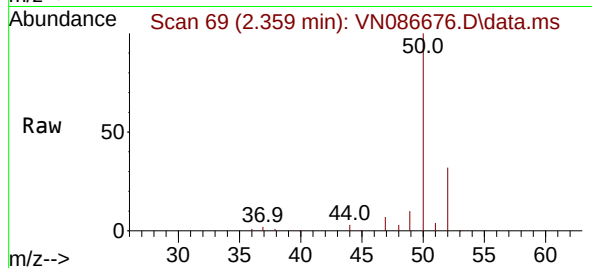
#3
Chloromethane
Concen: 49.474 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625

Tgt Ion: 50 Resp: 16652
Ion Ratio Lower Upper
50 100
52 32.3 25.9 38.9

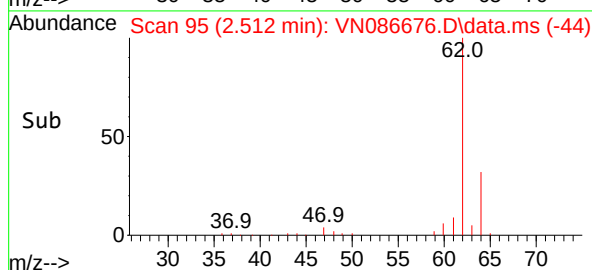
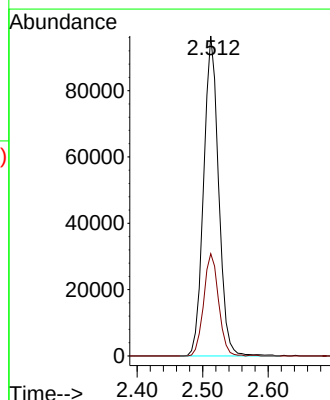
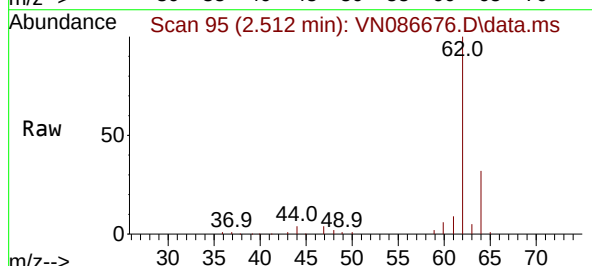
Manual Integrations
APPROVED

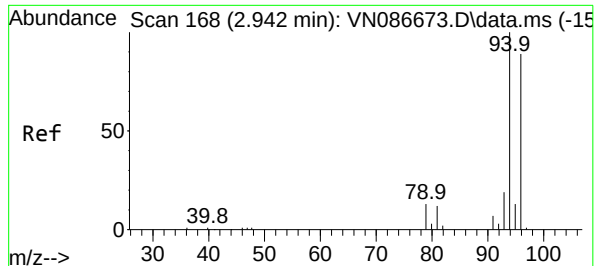
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#4
Vinyl Chloride
Concen: 50.852 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

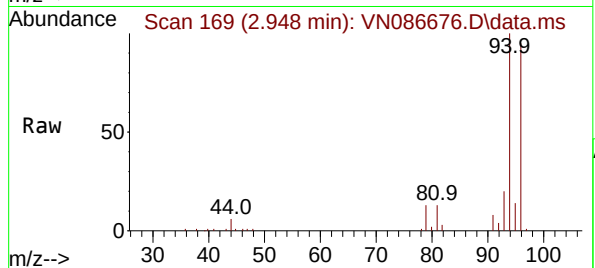
Tgt Ion: 62 Resp: 153716
Ion Ratio Lower Upper
62 100
64 32.0 26.9 40.3





#5
Bromomethane
Concen: 48.959 ug/l
RT: 2.948 min Scan# 169
Delta R.T. 0.006 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

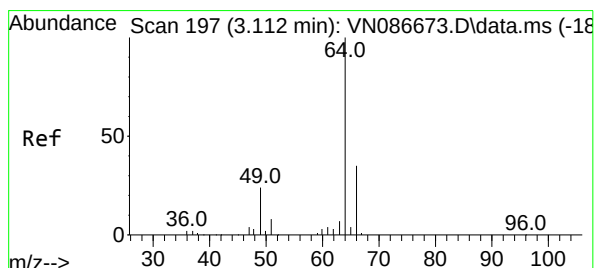
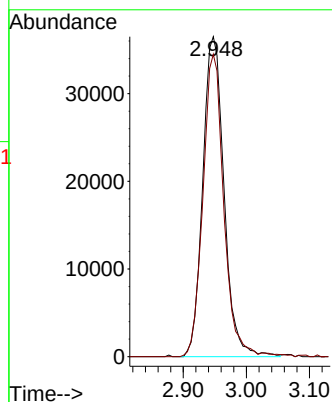
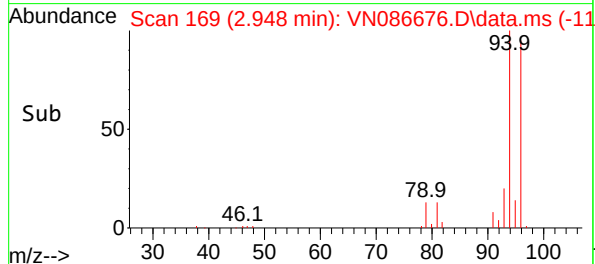
Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625



Tgt Ion: 94 Resp: 85310
Ion Ratio Lower Upper
94 100
96 94.5 71.2 106.8

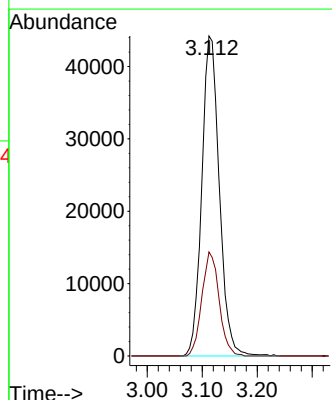
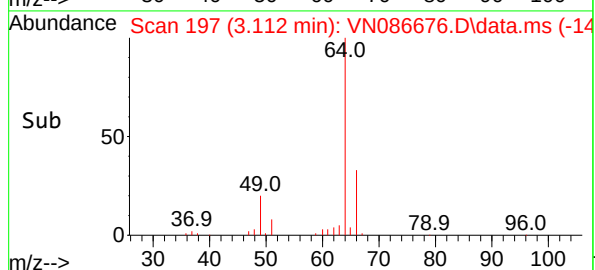
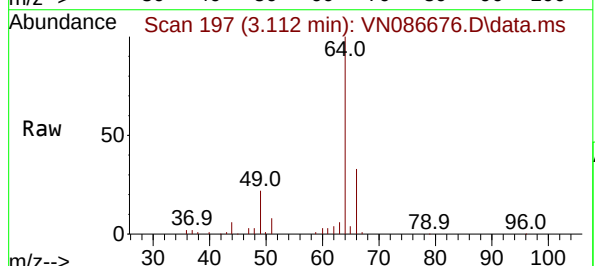
Manual Integrations
APPROVED

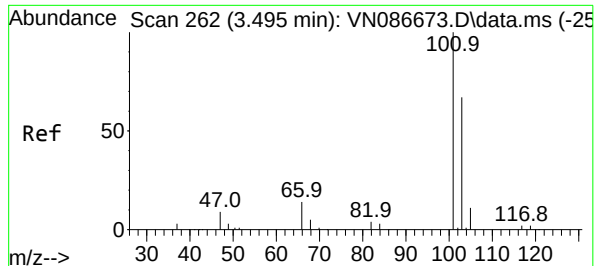
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#6
Chloroethane
Concen: 49.538 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

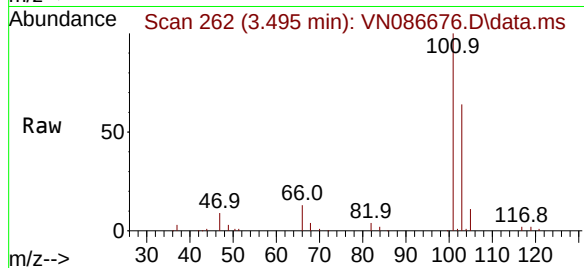
Tgt Ion: 64 Resp: 98096
Ion Ratio Lower Upper
64 100
66 32.5 27.7 41.5





#7
Trichlorofluoromethane
Concen: 50.991 ug/l
RT: 3.495 min Scan# 262
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

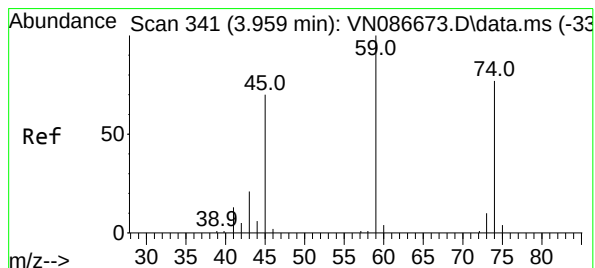
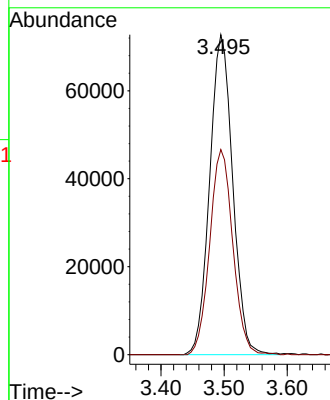
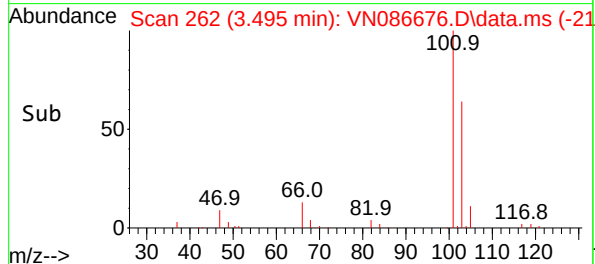
Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625



Tgt Ion:101 Resp: 18420
Ion Ratio Lower Upper
101 100
103 64.1 53.4 80.0

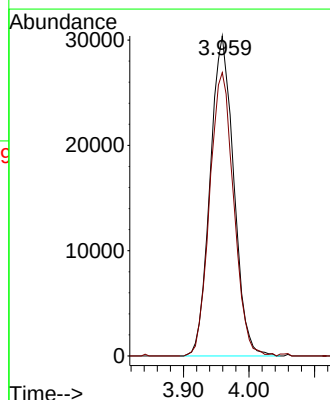
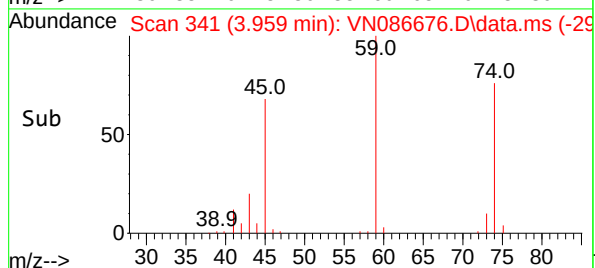
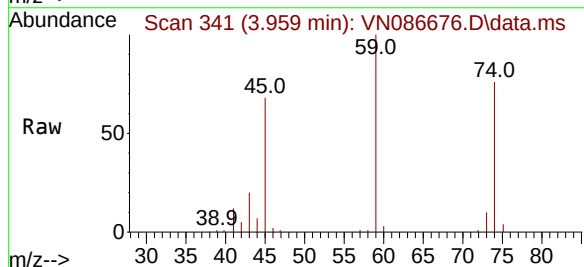
Manual Integrations
APPROVED

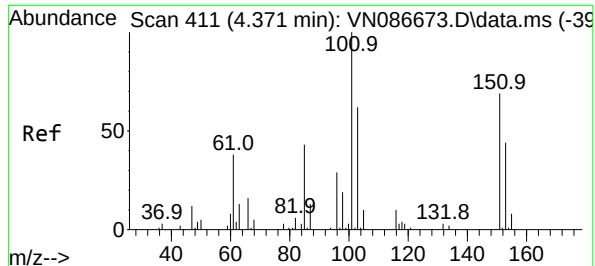
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#8
Diethyl Ether
Concen: 50.875 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

Tgt Ion: 74 Resp: 75922
Ion Ratio Lower Upper
74 100
45 90.2 45.0 135.0





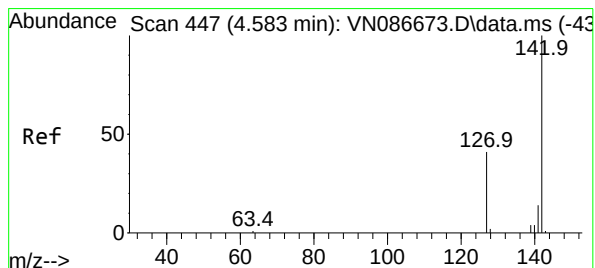
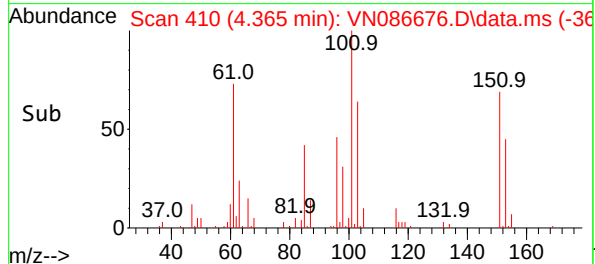
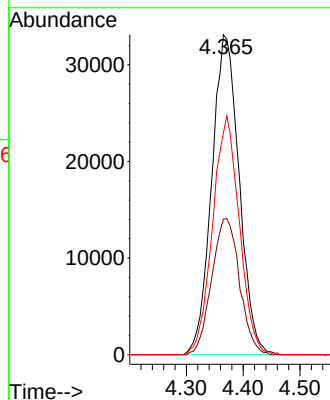
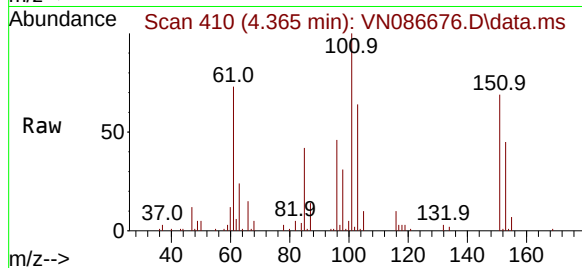
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.278 ug/l
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625

Tgt Ion:101 Resp: 110890
Ion Ratio Lower Upper
101 100
85 43.2 35.0 52.6
151 72.8 58.1 87.1

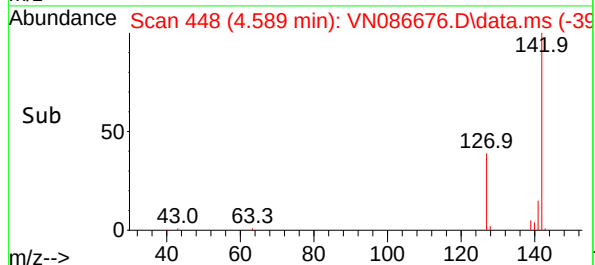
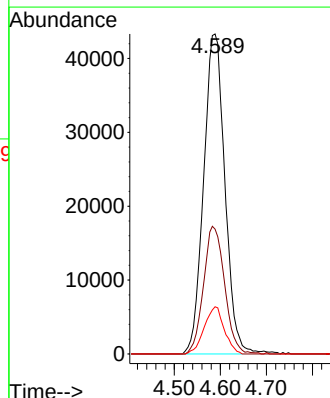
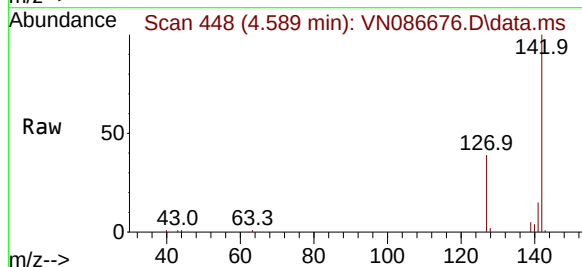
Manual Integrations
APPROVED

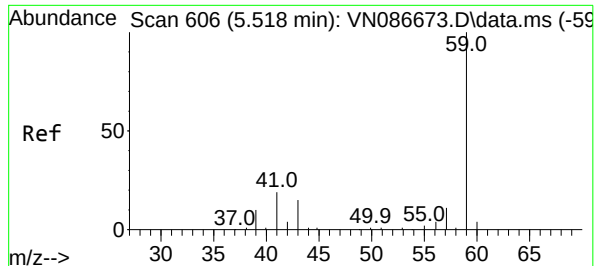
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#10
Methyl Iodide
Concen: 51.814 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

Tgt Ion:142 Resp: 139386
Ion Ratio Lower Upper
142 100
127 39.0 32.4 48.6
141 14.8 11.4 17.2





#11

Tert butyl alcohol

Concen: 243.079 ug/l

RT: 5.518 min Scan# 606

Delta R.T. -0.000 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051625

Tgt Ion: 59 Resp: 12605

Ion Ratio Lower Upper

59 100

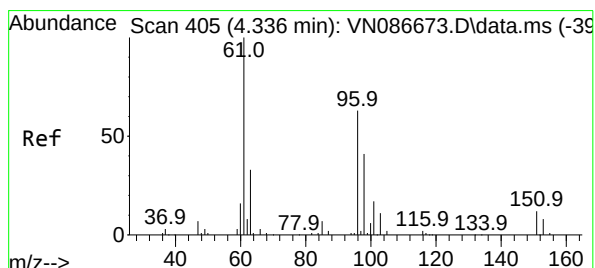
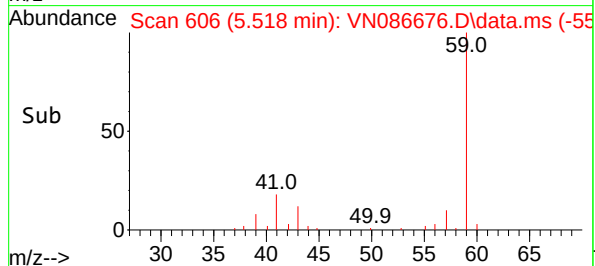
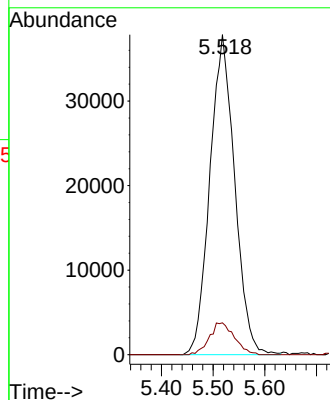
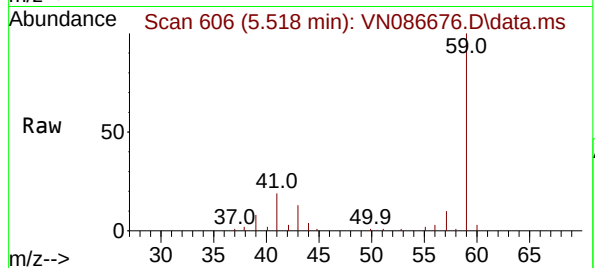
57 10.1 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#12

1,1-Dichloroethene

Concen: 49.612 ug/l

RT: 4.342 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

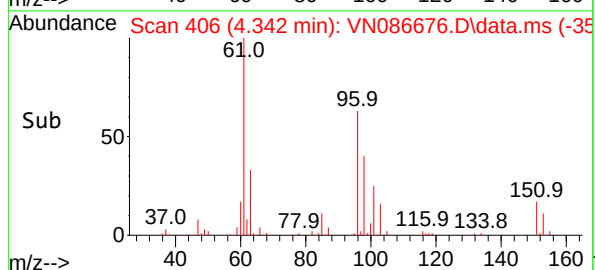
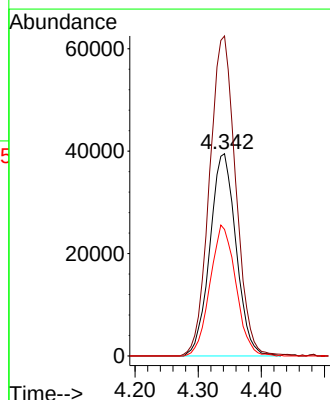
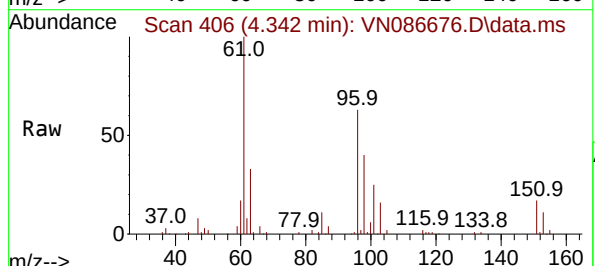
Tgt Ion: 96 Resp: 114026

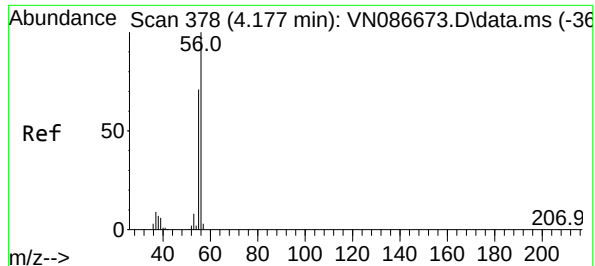
Ion Ratio Lower Upper

96 100

61 158.2 126.2 189.2

98 62.6 51.5 77.3





#13

Acrolein

Concen: 236.906 ug/l

RT: 4.171 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051625

Tgt Ion: 56 Resp: 131334

Ion Ratio Lower Upper

56 100

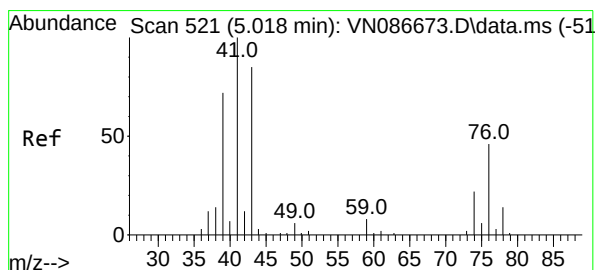
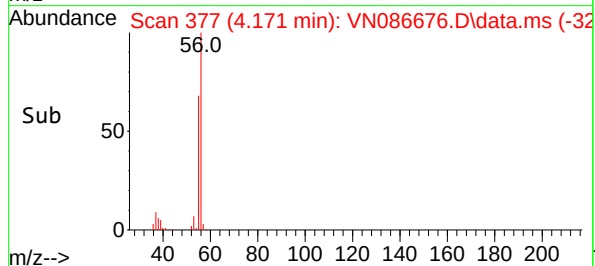
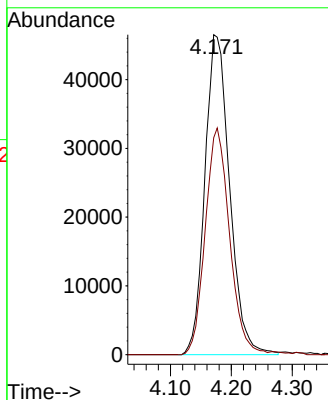
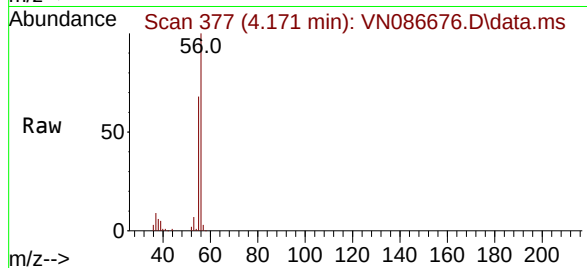
55 69.8 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#14

Allyl chloride

Concen: 48.833 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

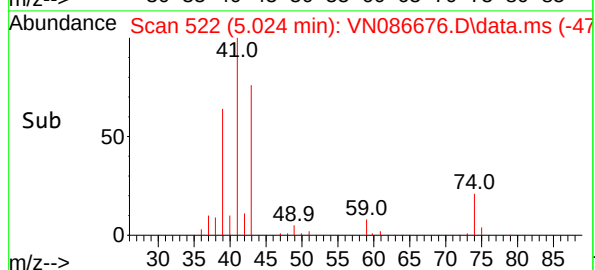
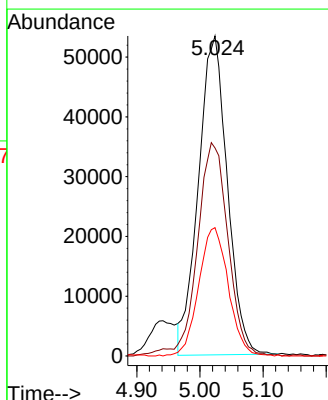
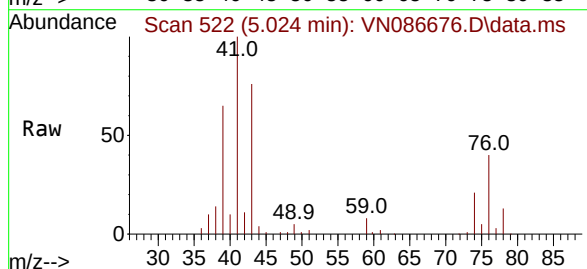
Tgt Ion: 41 Resp: 169877

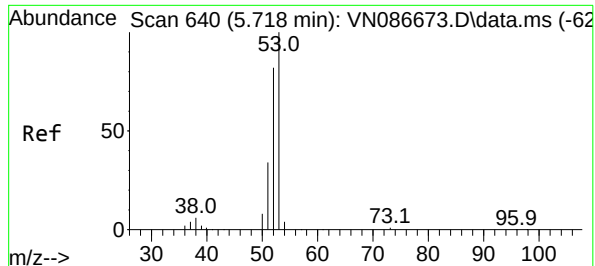
Ion Ratio Lower Upper

41 100

39 71.0 57.4 86.0

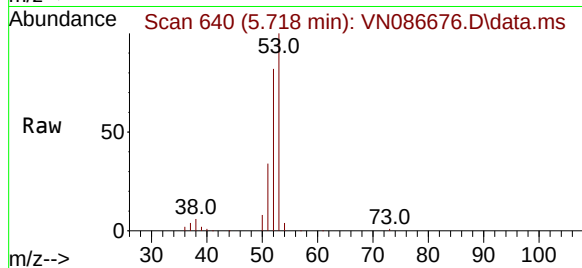
76 41.2 33.2 49.8





#15
Acrylonitrile
Concen: 251.235 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

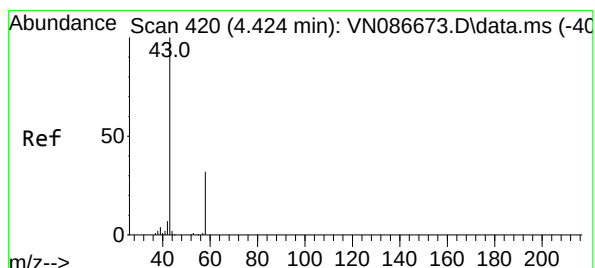
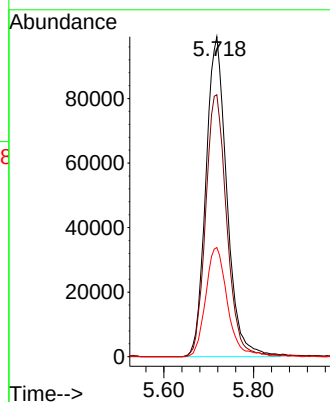
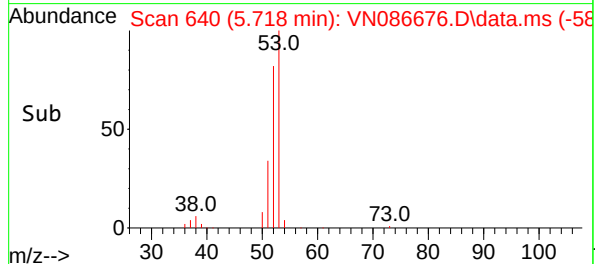
Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625



Tgt Ion: 53 Resp: 322582
Ion Ratio Lower Upper
53 100
52 82.3 65.4 98.2
51 35.4 27.9 41.9

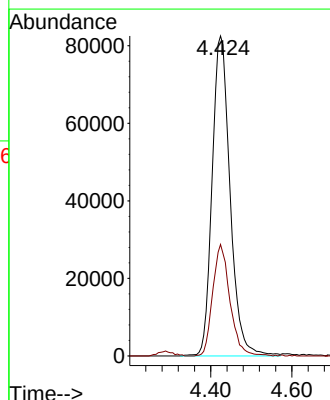
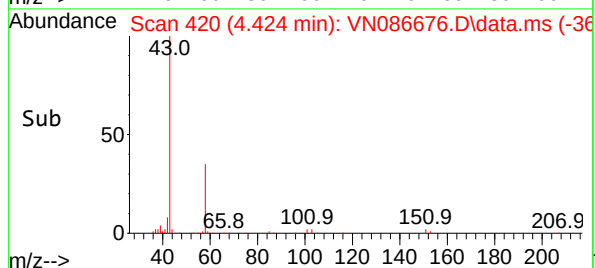
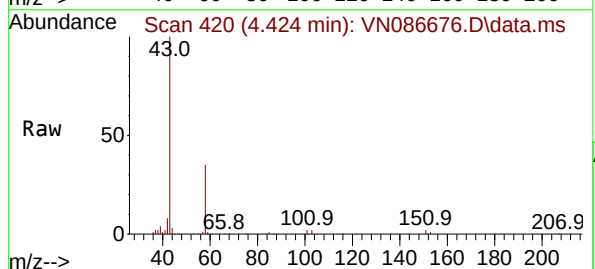
Manual Integrations
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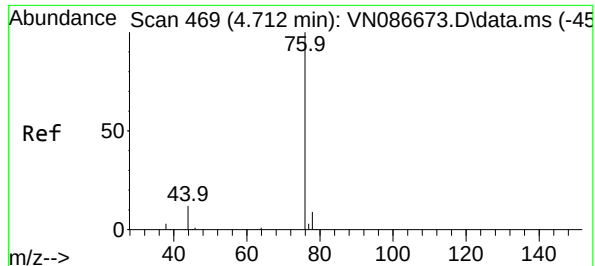
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#16
Acetone
Concen: 237.847 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

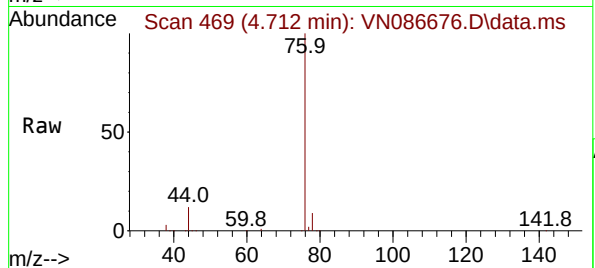
Tgt Ion: 43 Resp: 253332
Ion Ratio Lower Upper
43 100
58 34.6 25.8 38.6





#17
Carbon Disulfide
Concen: 51.175 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

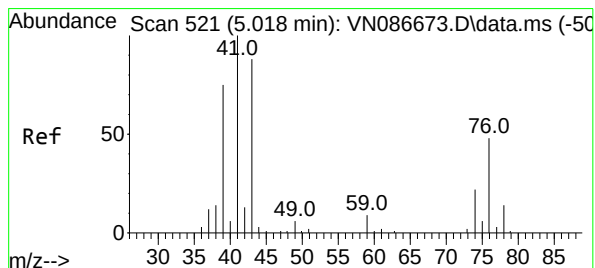
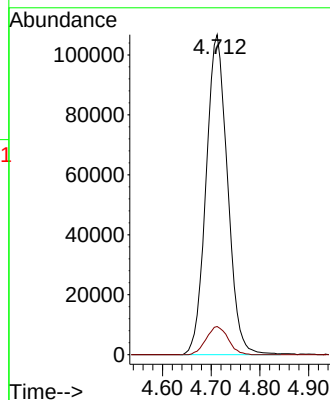
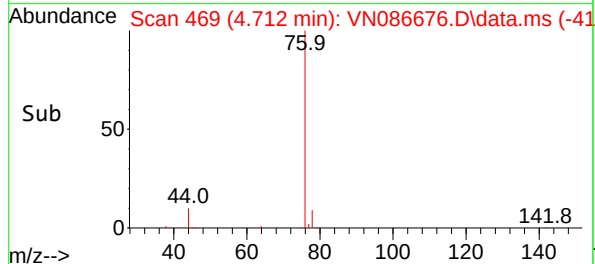
Instrument :
MSVOA_N
ClientSampleId :
ICV051625



Tgt Ion: 76 Resp: 325644
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9

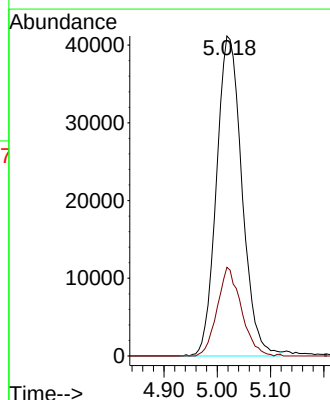
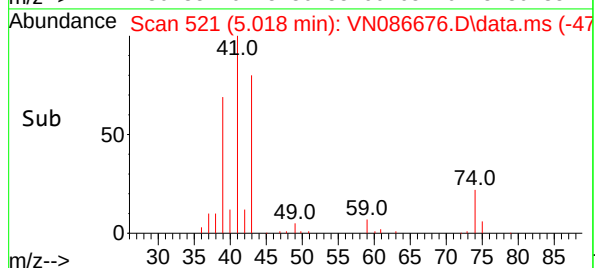
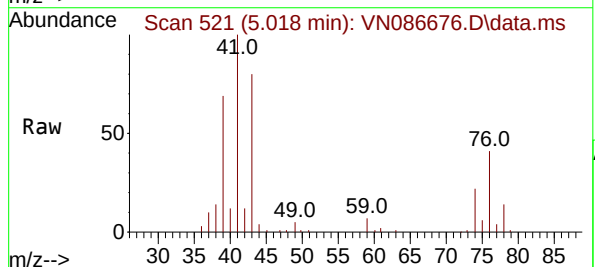
Manual Integrations
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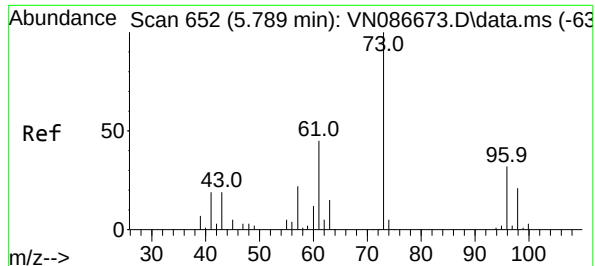
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#18
Methyl Acetate
Concen: 45.864 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

Tgt Ion: 43 Resp: 136726
Ion Ratio Lower Upper
43 100
74 26.2 20.5 30.7





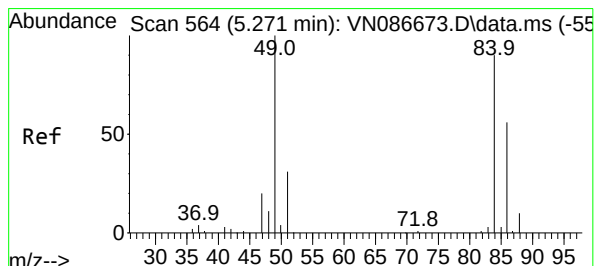
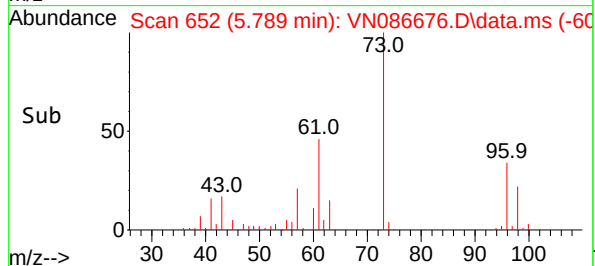
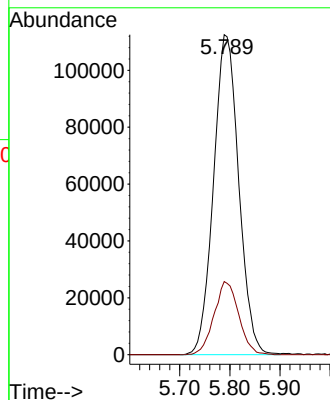
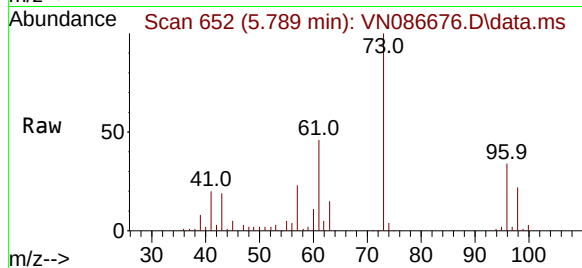
#19
Methyl tert-butyl Ether
Concen: 50.183 ug/l
RT: 5.789 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625

Tgt Ion: 73 Resp: 39272
Ion Ratio Lower Upper
73 100
57 22.8 17.7 26.5

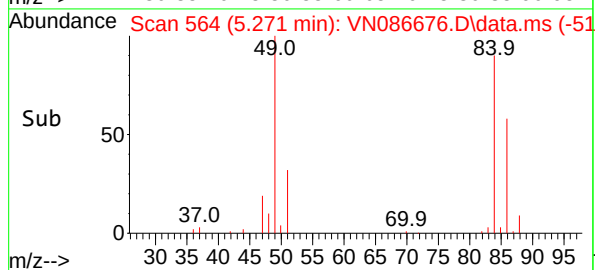
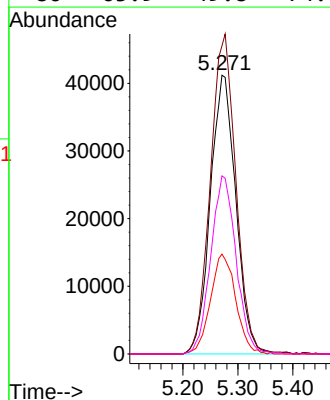
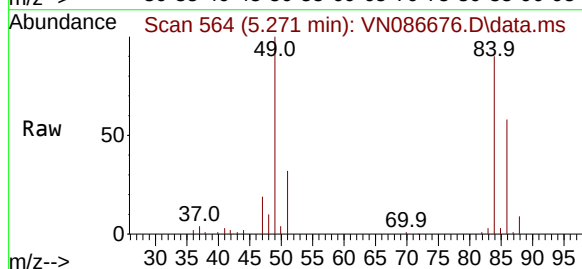
Manual Integrations
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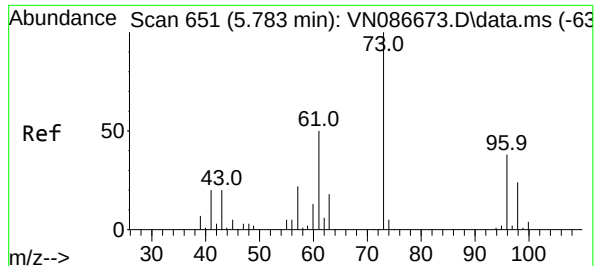
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#20
Methylene Chloride
Concen: 47.346 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

Tgt Ion: 84 Resp: 133075
Ion Ratio Lower Upper
84 100
49 110.6 88.8 133.2
51 35.8 27.8 41.6
86 63.9 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 49.641 ug/l

RT: 5.783 min Scan# 651

Delta R.T. -0.000 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051625

Tgt Ion: 96 Resp: 120628

Ion Ratio Lower Upper

96 100

61 134.8 105.7 158.5

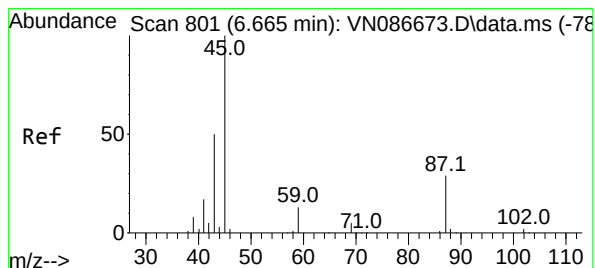
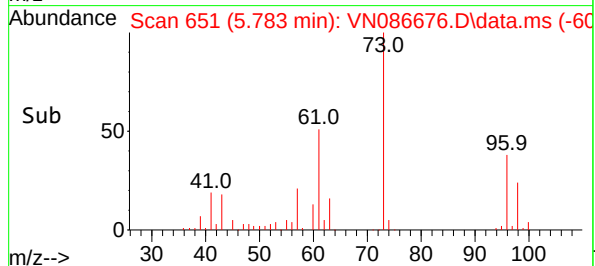
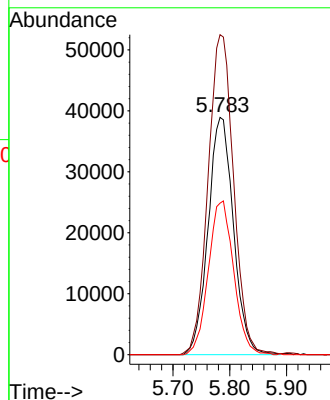
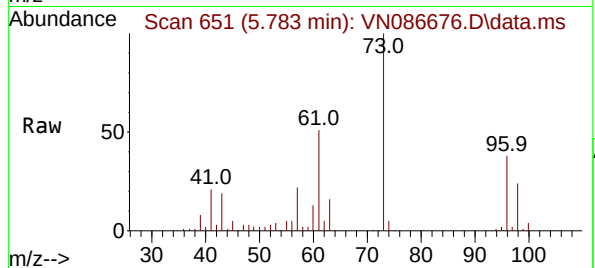
98 63.8 51.0 76.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#22

Diisopropyl ether

Concen: 50.767 ug/l

RT: 6.665 min Scan# 801

Delta R.T. -0.000 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

Tgt Ion: 45 Resp: 398433

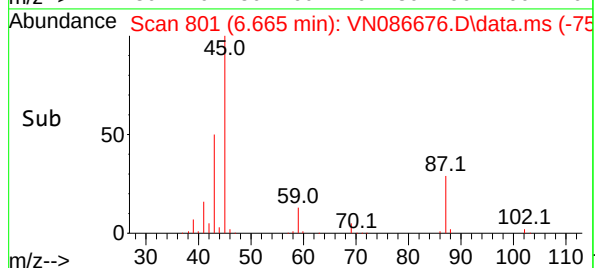
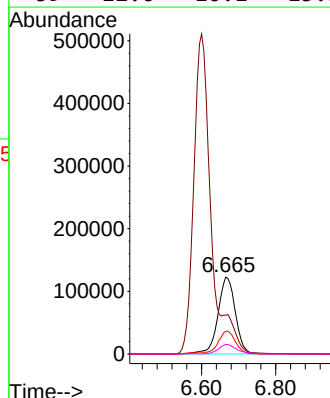
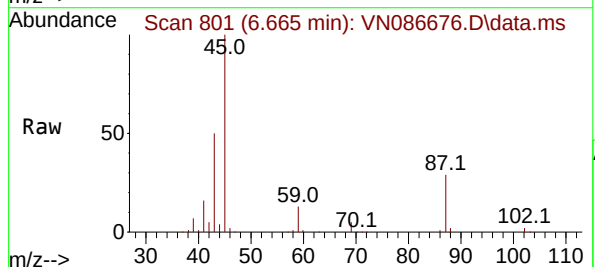
Ion Ratio Lower Upper

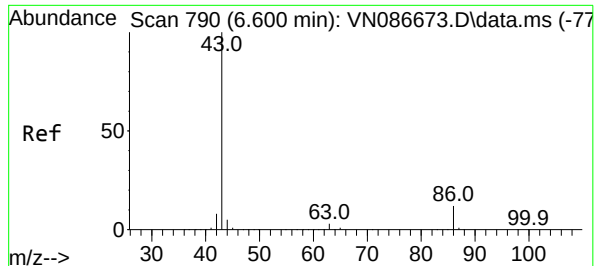
45 100

43 49.8 41.4 62.2

87 29.4 22.9 34.3

59 12.6 10.1 15.1





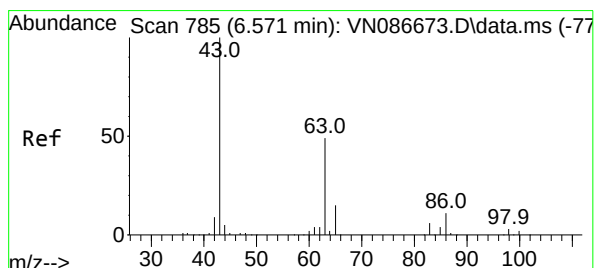
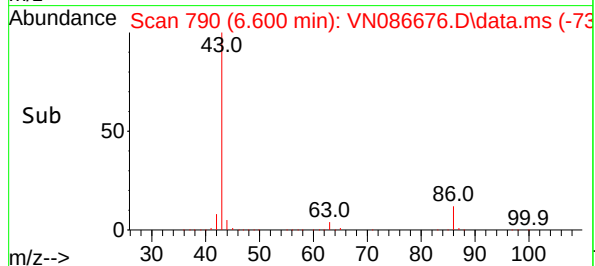
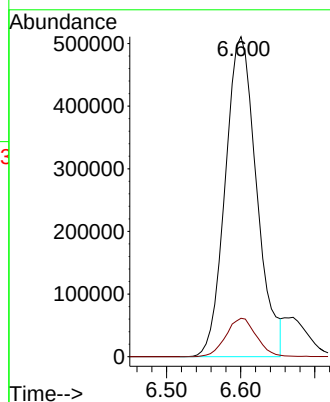
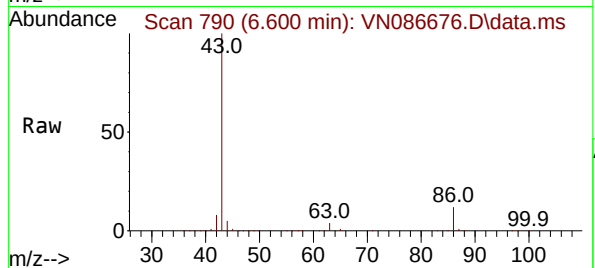
#23
Vinyl Acetate
Concen: 254.501 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625

Tgt Ion: 43 Resp: 1501158
Ion Ratio Lower Upper
43 100
86 12.0 9.5 14.3

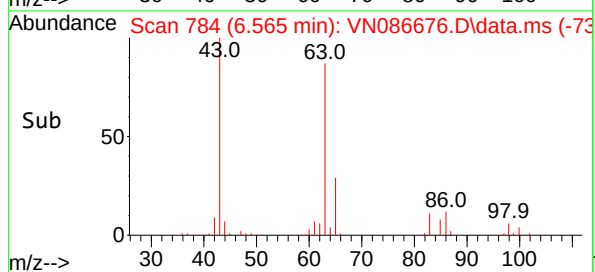
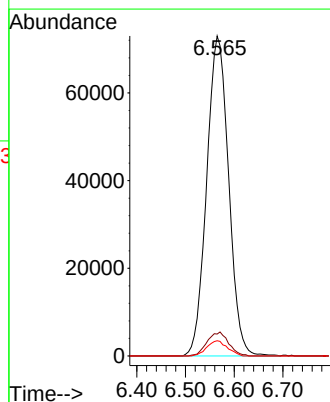
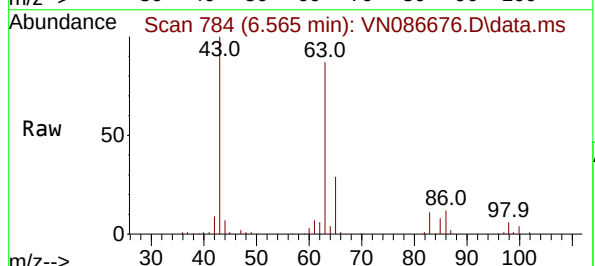
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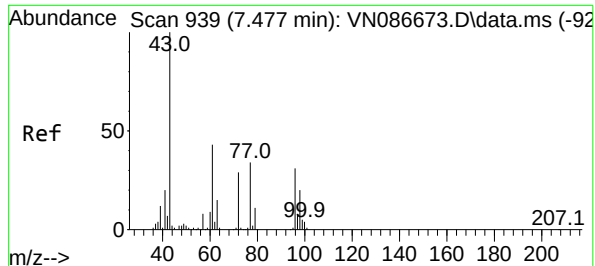
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#24
1,1-Dichloroethane
Concen: 49.576 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

Tgt Ion: 63 Resp: 228436
Ion Ratio Lower Upper
63 100
98 6.9 3.4 10.2
100 4.8 2.4 7.1





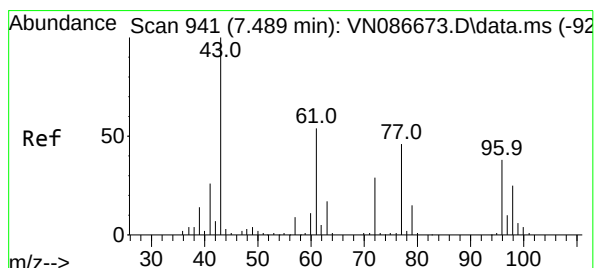
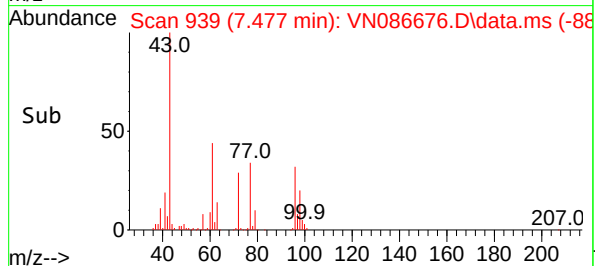
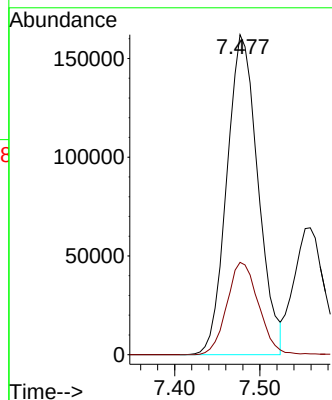
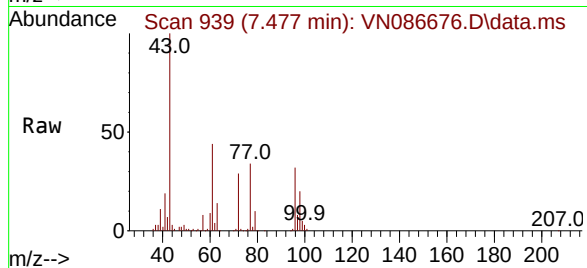
#25
2-Butanone
Concen: 250.854 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625

Tgt Ion: 43 Resp: 412870
Ion Ratio Lower Upper
43 100
72 28.8 23.1 34.7

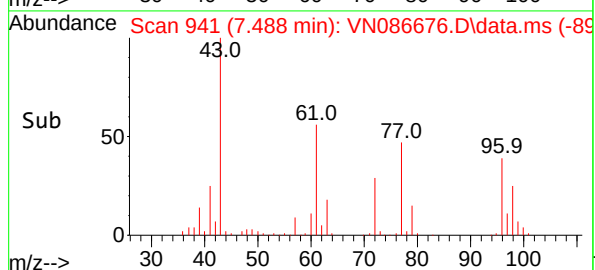
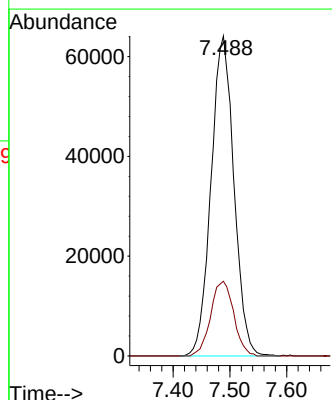
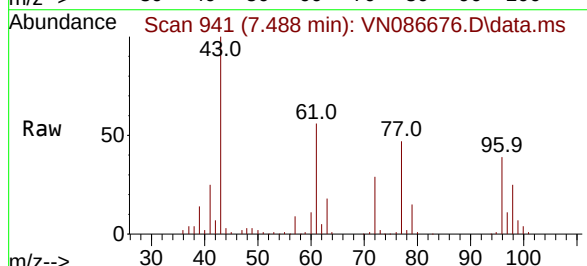
Manual Integrations
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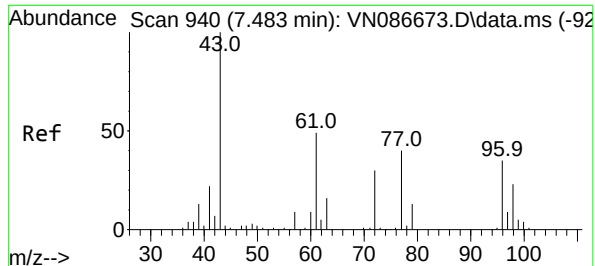
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#26
2,2-Dichloropropane
Concen: 47.102 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

Tgt Ion: 77 Resp: 179110
Ion Ratio Lower Upper
77 100
97 23.5 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 49.878 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051625

Tgt Ion: 96 Resp: 148770

Ion Ratio Lower Upper

96 100

61 137.1 0.0 277.4

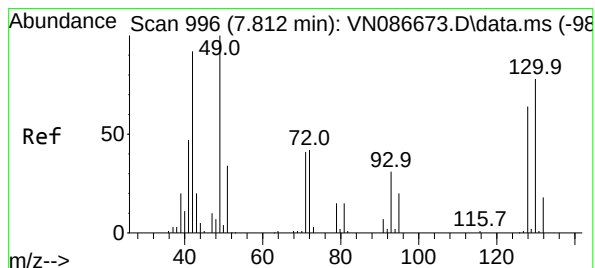
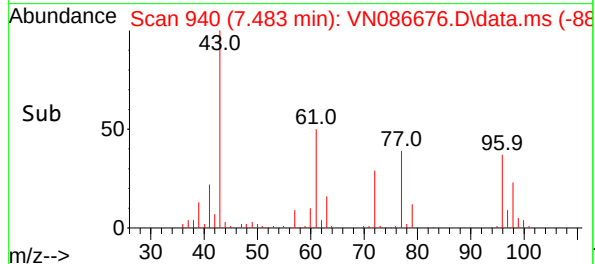
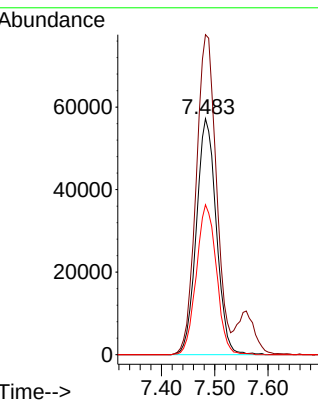
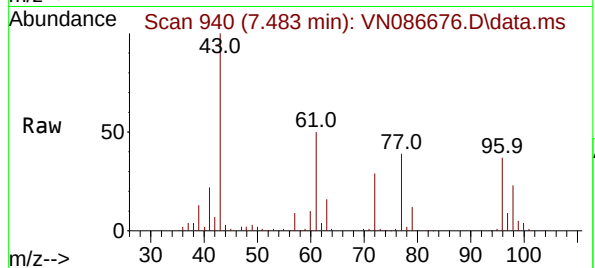
98 64.2 0.0 129.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#28

Bromochloromethane

Concen: 49.112 ug/l

RT: 7.812 min Scan# 996

Delta R.T. -0.000 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

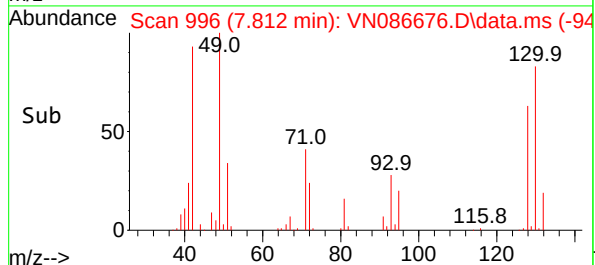
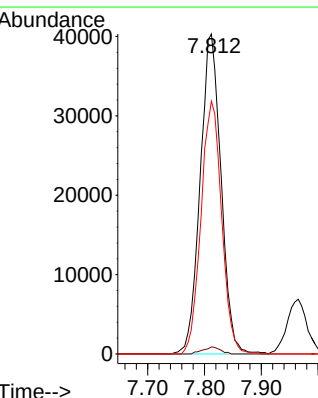
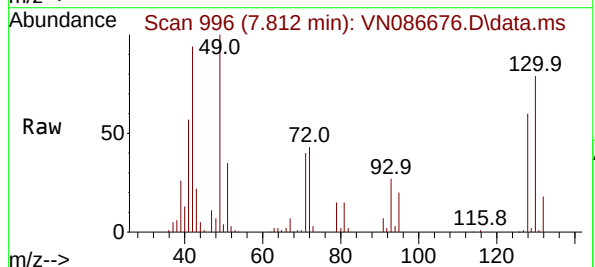
Tgt Ion: 49 Resp: 102816

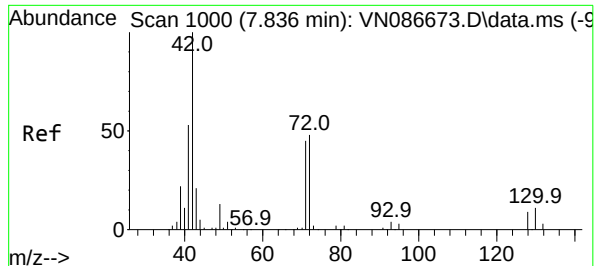
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

130 78.0 62.2 93.4





#29

Tetrahydrofuran

Concen: 254.994 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051625

Tgt Ion: 42 Resp: 273939

Ion Ratio Lower Upper

42 100

72 48.7 38.7 58.1

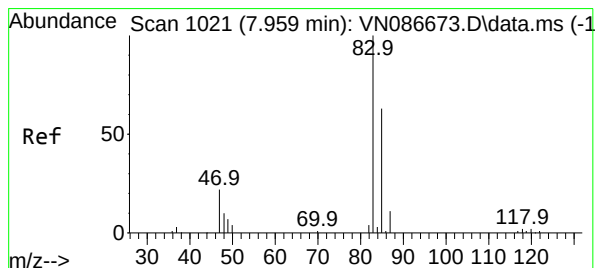
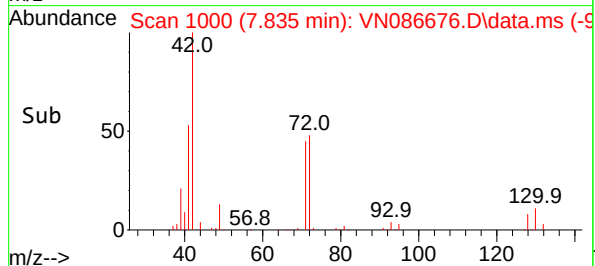
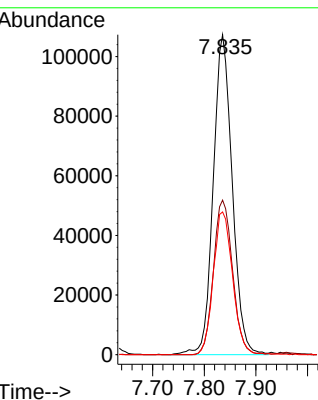
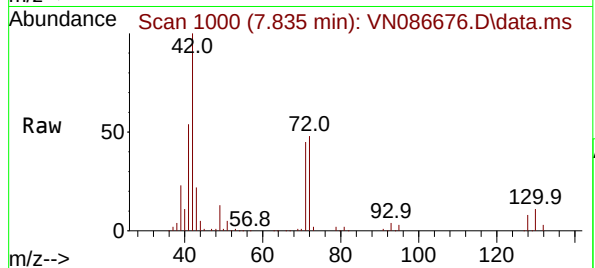
71 45.6 36.2 54.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#30

Chloroform

Concen: 48.554 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN086676.D

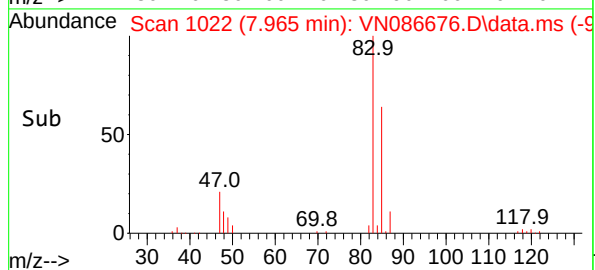
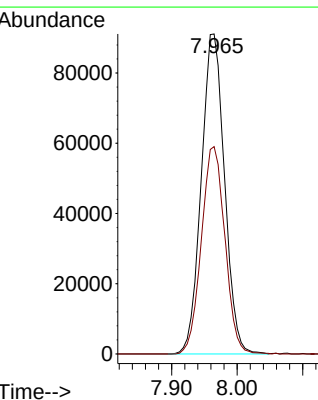
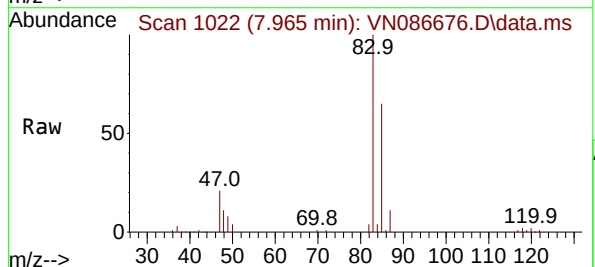
Acq: 16 May 2025 19:20

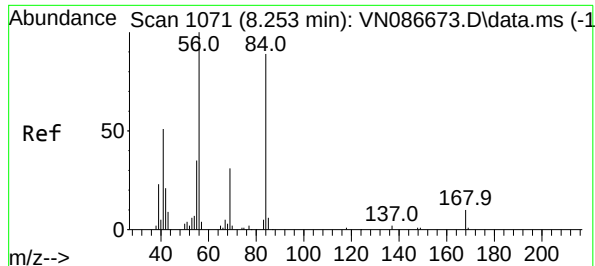
Tgt Ion: 83 Resp: 223931

Ion Ratio Lower Upper

83 100

85 64.8 50.2 75.4





#31

Cyclohexane

Concen: 47.383 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051625

Tgt Ion: 56 Resp: 202489

Ion Ratio Lower Upper

56 100

69 31.0 25.0 37.6

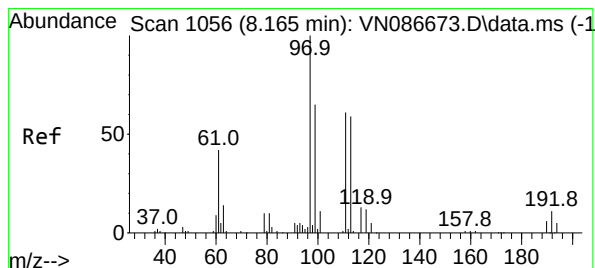
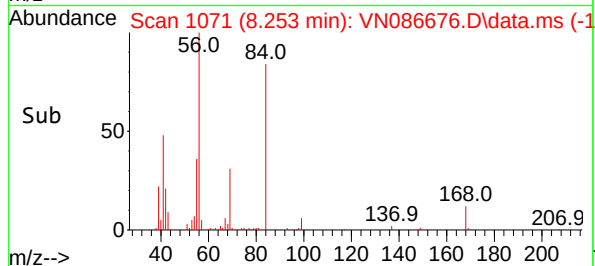
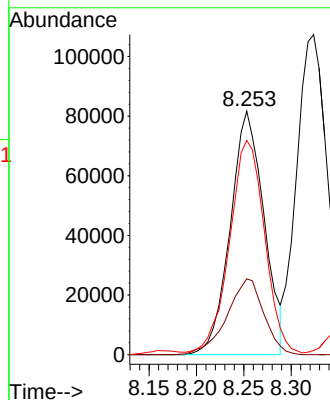
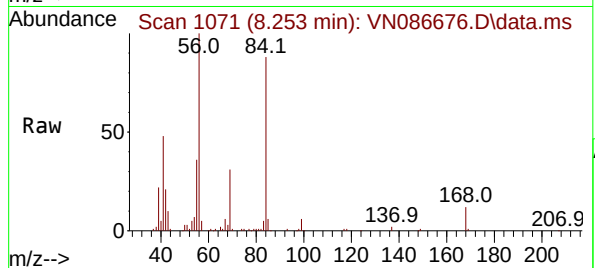
84 86.9 71.0 106.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#32

1,1,1-Trichloroethane

Concen: 49.842 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

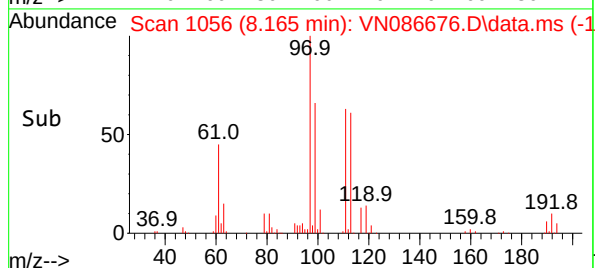
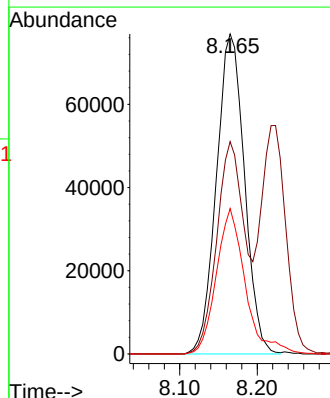
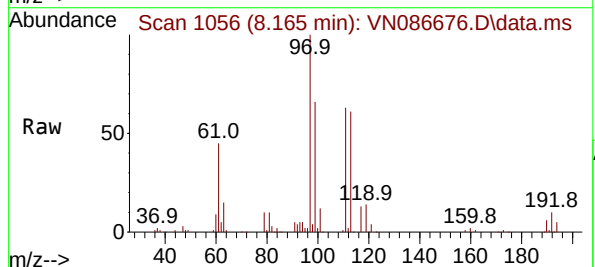
Tgt Ion: 97 Resp: 193811

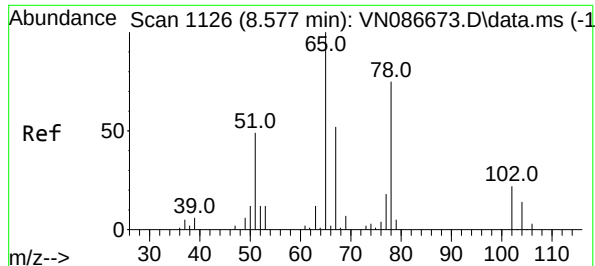
Ion Ratio Lower Upper

97 100

99 66.1 52.6 79.0

61 46.8 37.7 56.5





#33

1,2-Dichloroethane-d4

Concen: 49.261 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051625

Tgt Ion: 65 Resp: 140264

Ion Ratio Lower Upper

65 100

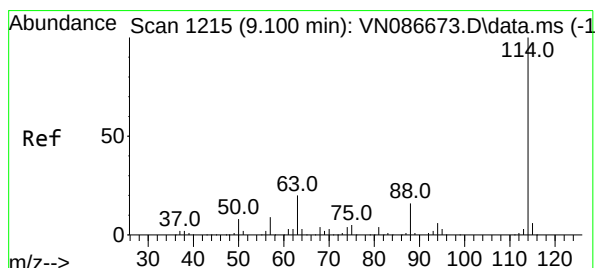
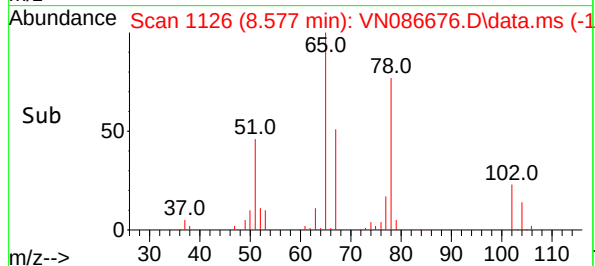
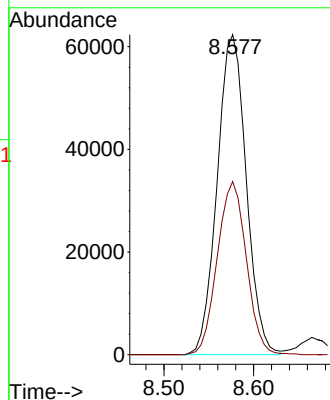
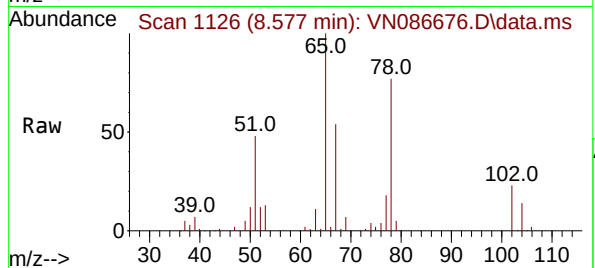
67 54.0 0.0 106.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

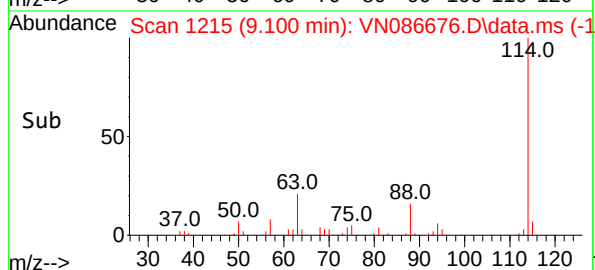
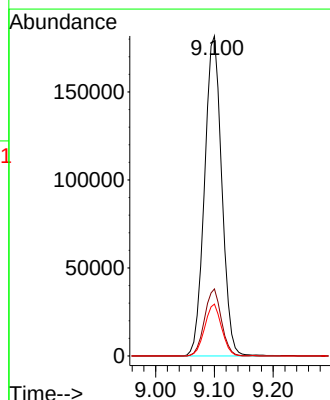
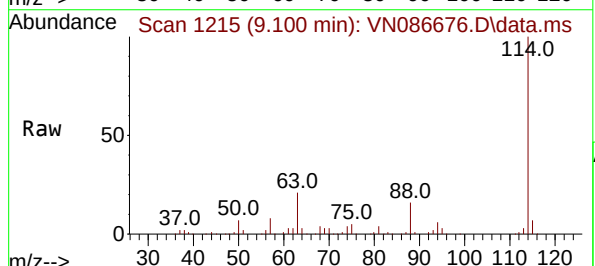
Tgt Ion:114 Resp: 369474

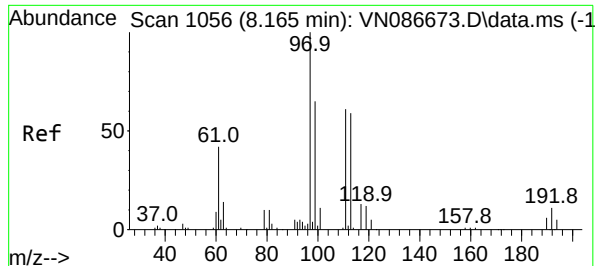
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.2

88 16.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.868 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051625

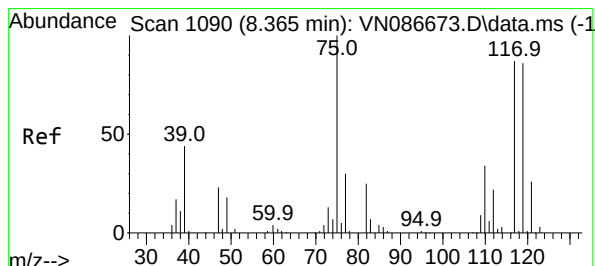
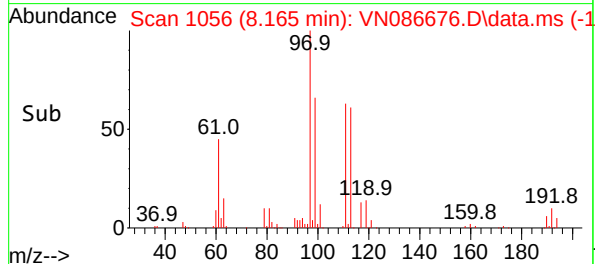
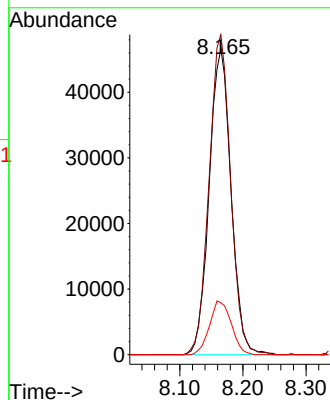
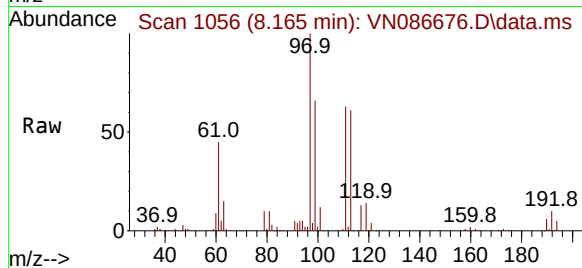
Tgt Ion:	113	Resp:	111929
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.2	123.2
192	17.5	13.8	20.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#36

1,1-Dichloropropene

Concen: 51.379 ug/l

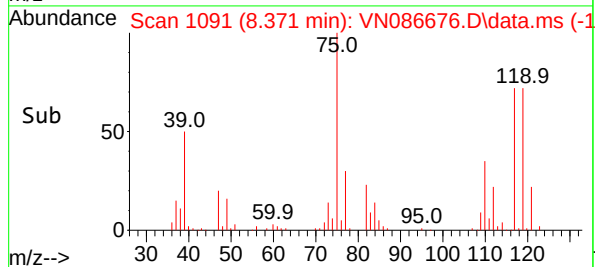
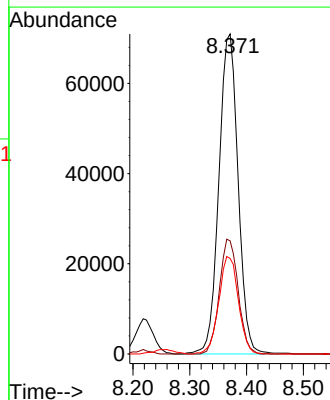
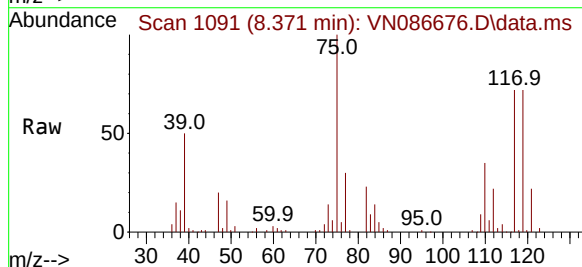
RT: 8.371 min Scan# 1091

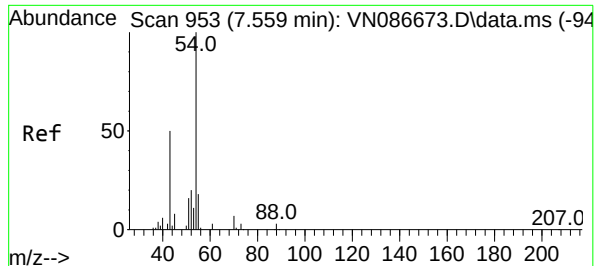
Delta R.T. 0.006 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

Tgt Ion:	75	Resp:	166757
Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.5	52.5
77	31.1	25.1	37.7





#37

Ethyl Acetate

Concen: 50.247 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051625

Tgt Ion: 43 Resp: 16473

Ion Ratio Lower Upper

43 100

61 14.2 11.6 17.4

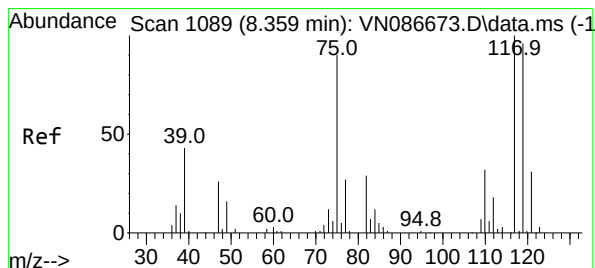
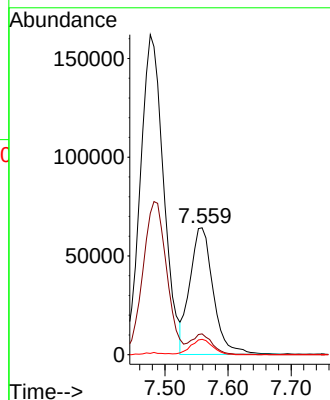
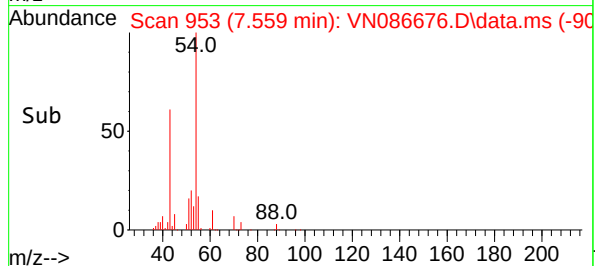
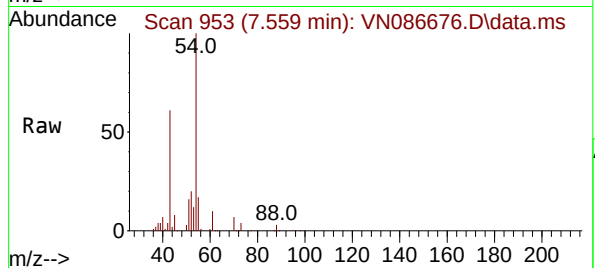
70 11.4 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#38

Carbon Tetrachloride

Concen: 50.871 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

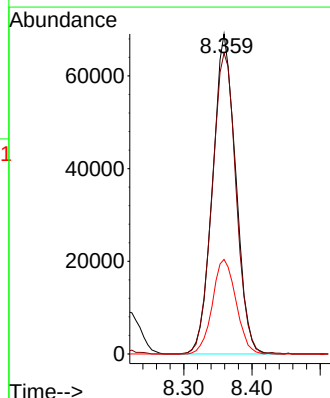
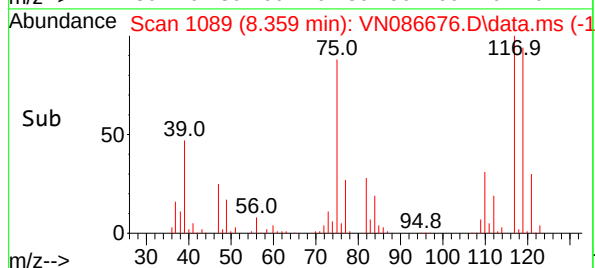
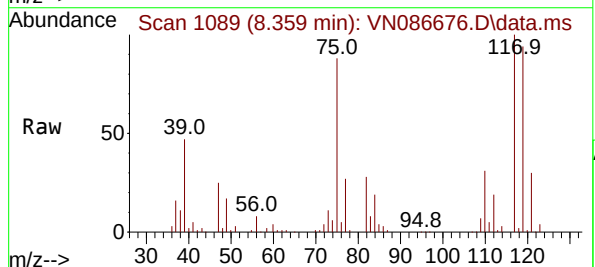
Tgt Ion:117 Resp: 162681

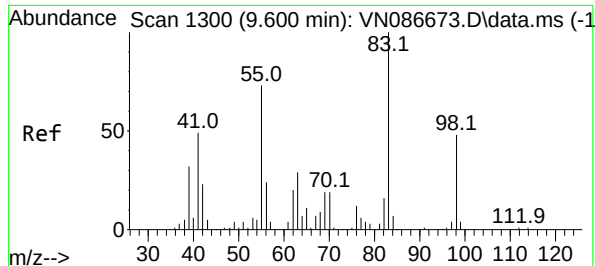
Ion Ratio Lower Upper

117 100

119 94.0 77.0 115.6

121 29.5 25.0 37.6





#39

Methylcyclohexane

Concen: 51.961 ug/l

RT: 9.594 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051625

Tgt Ion: 83 Resp: 182529

Ion Ratio Lower Upper

83 100

55 73.7 58.2 87.4

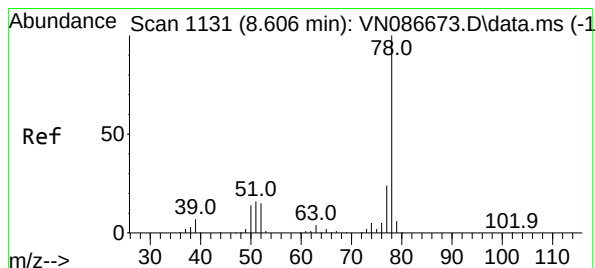
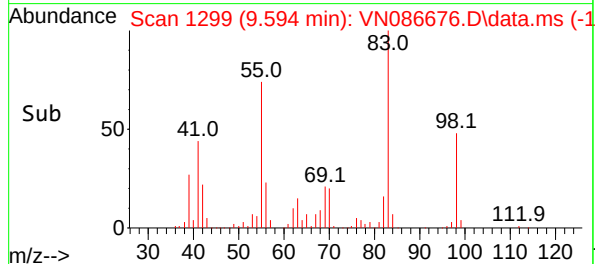
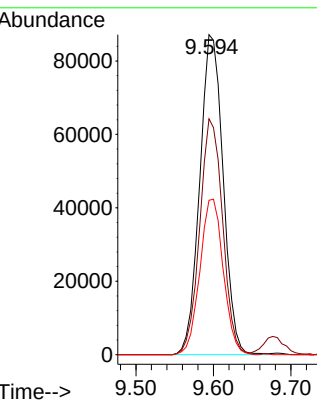
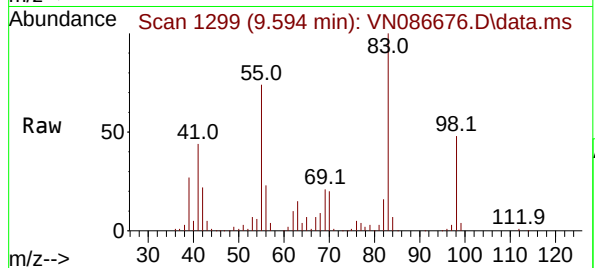
98 48.3 38.4 57.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#40

Benzene

Concen: 50.369 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN086676.D

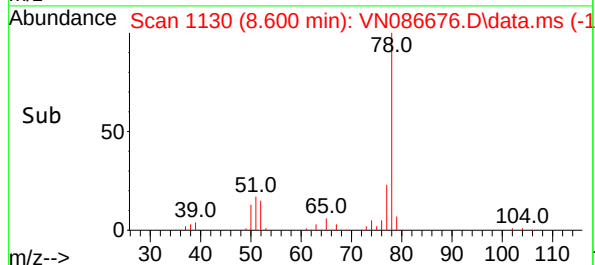
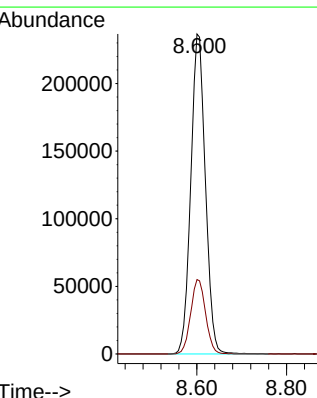
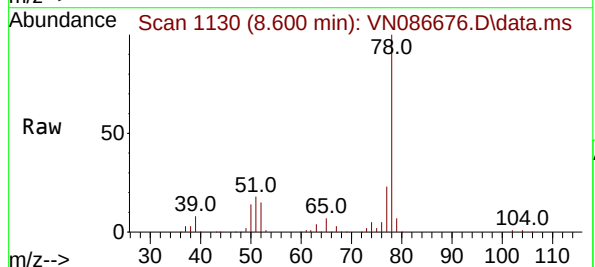
Acq: 16 May 2025 19:20

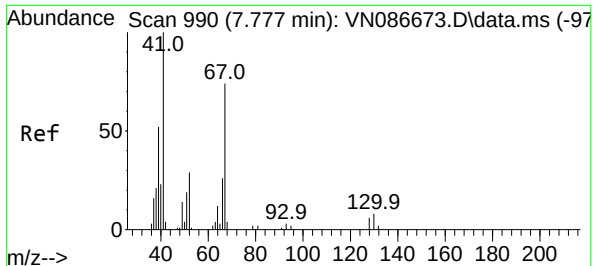
Tgt Ion: 78 Resp: 533304

Ion Ratio Lower Upper

78 100

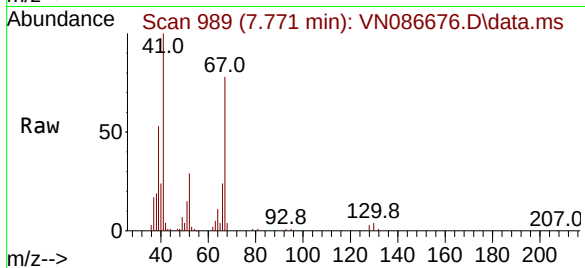
77 23.3 19.1 28.7





#41
Methacrylonitrile
Concen: 51.153 ug/l
RT: 7.771 min Scan# 9055
Delta R.T. -0.006 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

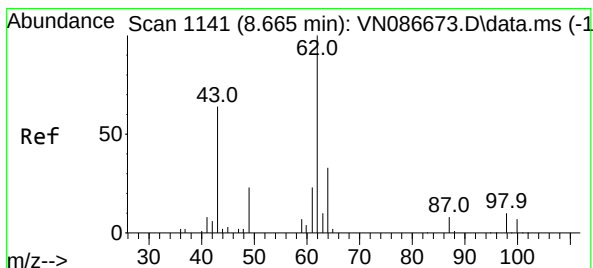
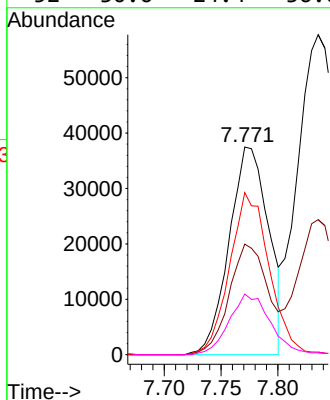
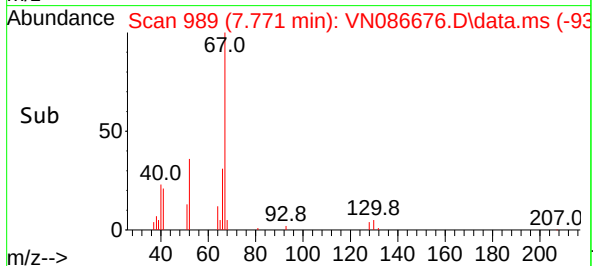
Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625



Tgt Ion: 41 Resp: 9055
Ion Ratio Lower Upper
41 100
39 51.9 44.9 67.3
67 78.6 63.4 95.0
52 30.6 24.4 36.6

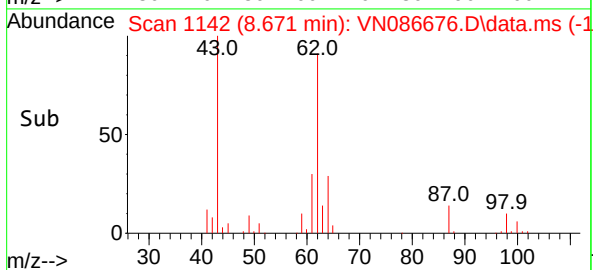
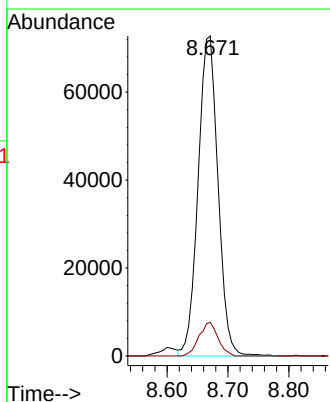
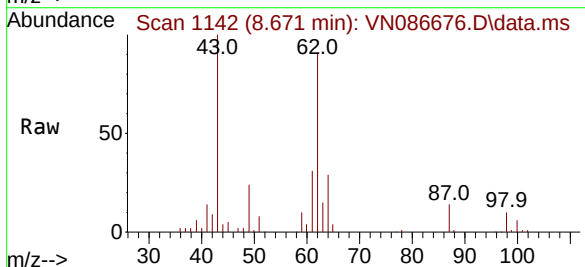
Manual Integrations
APPROVED

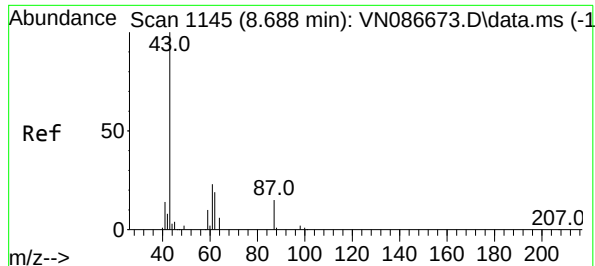
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#42
1,2-Dichloroethane
Concen: 50.029 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

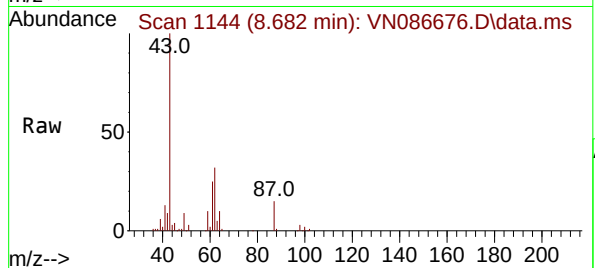
Tgt Ion: 62 Resp: 165024
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.2





#43
Isopropyl Acetate
Concen: 45.341 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

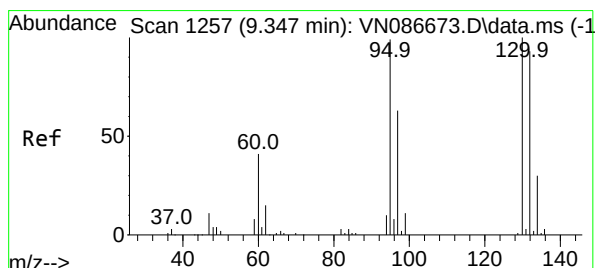
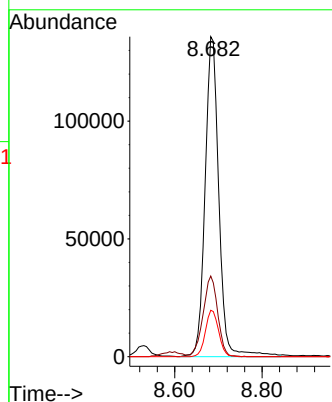
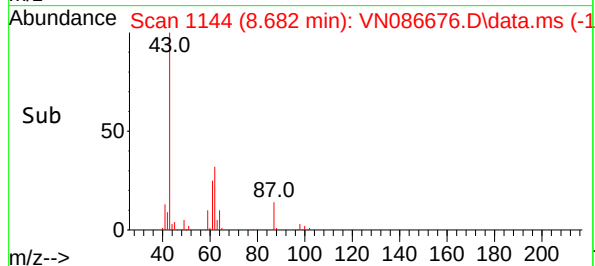
Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625



Tgt Ion: 43 Resp: 298004
Ion Ratio Lower Upper
43 100
61 26.7 21.4 32.2
87 13.9 11.1 16.7

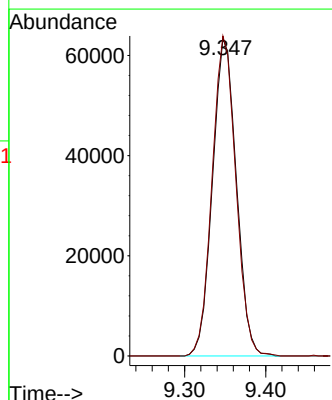
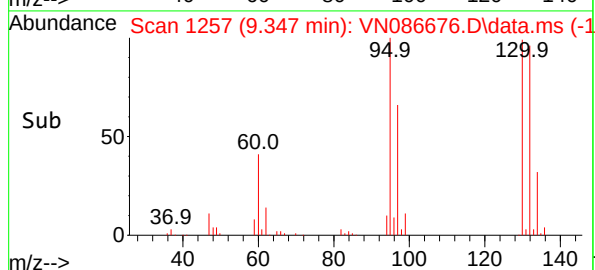
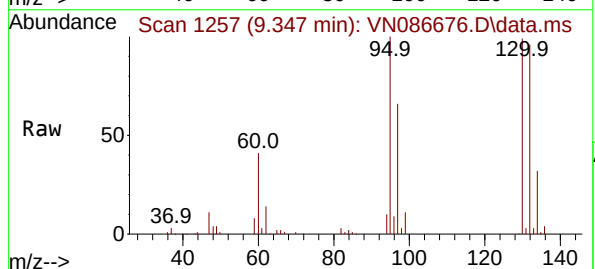
Manual Integrations
APPROVED

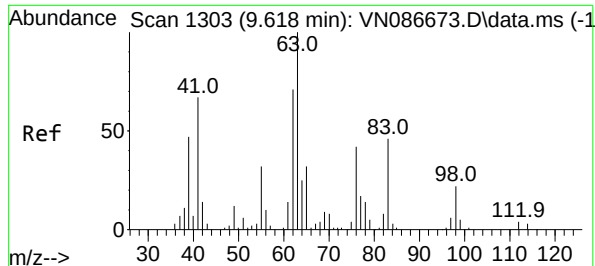
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#44
Trichloroethene
Concen: 50.647 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

Tgt Ion:130 Resp: 129339
Ion Ratio Lower Upper
130 100
95 100.8 0.0 197.0





#45

1,2-Dichloropropane

Concen: 50.475 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051625

Tgt Ion: 63 Resp: 12695

Ion Ratio Lower Upper

63 100

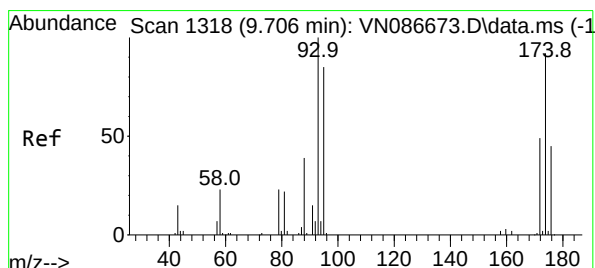
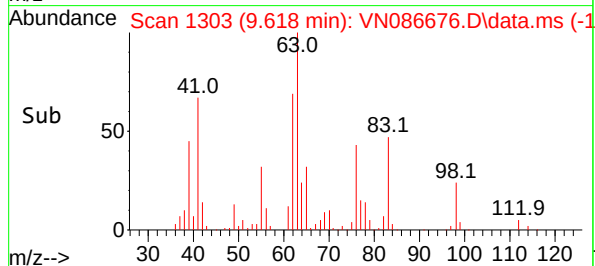
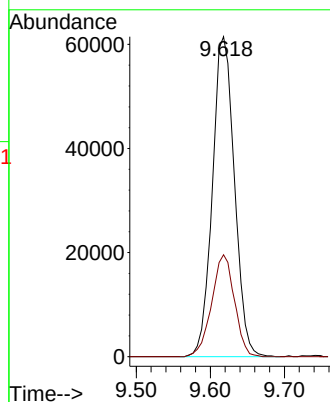
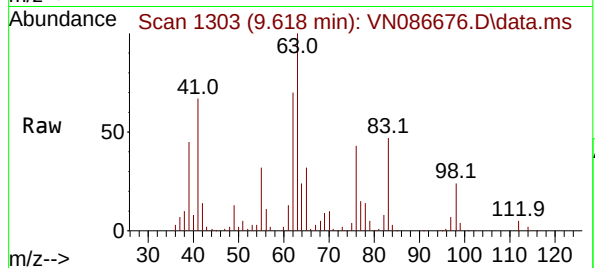
65 31.8 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#46

Dibromomethane

Concen: 50.246 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

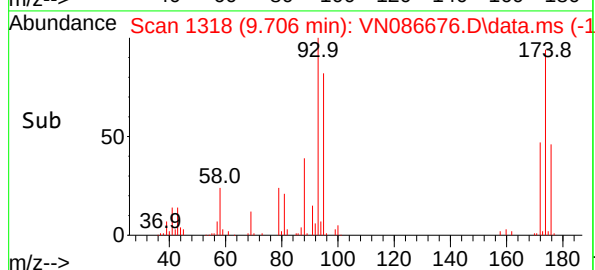
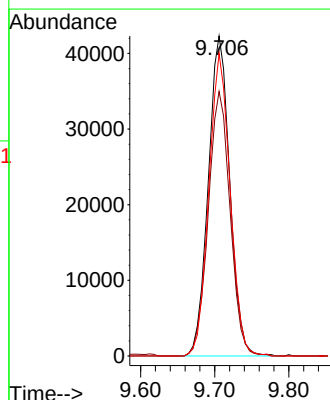
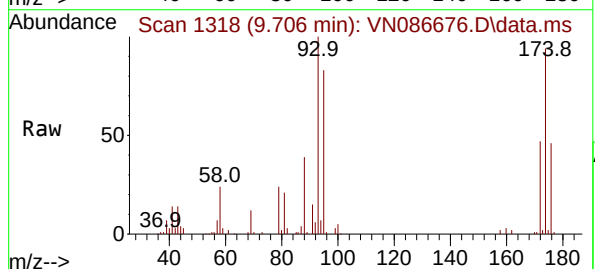
Tgt Ion: 93 Resp: 85276

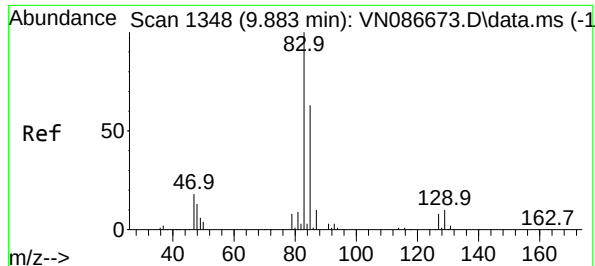
Ion Ratio Lower Upper

93 100

95 83.9 67.1 100.7

174 93.6 73.8 110.6





#47

Bromodichloromethane

Concen: 50.719 ug/l

RT: 9.882 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051625

Tgt Ion: 83 Resp: 177360

Ion Ratio Lower Upper

83 100

85 62.6 50.1 75.1

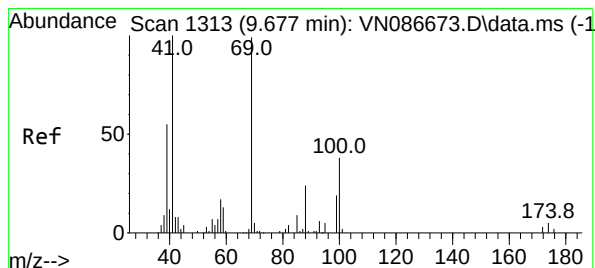
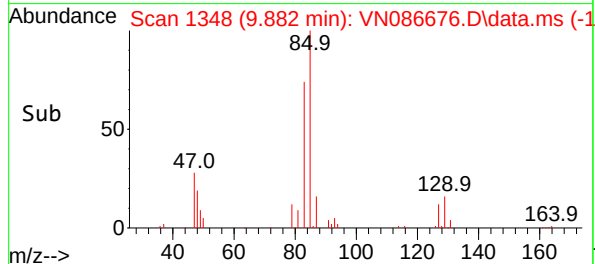
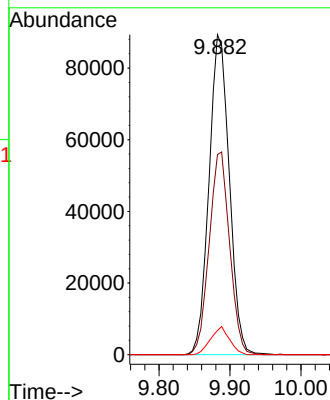
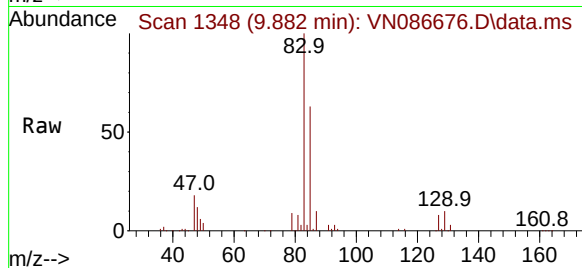
127 7.6 6.2 9.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#48

Methyl methacrylate

Concen: 51.620 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

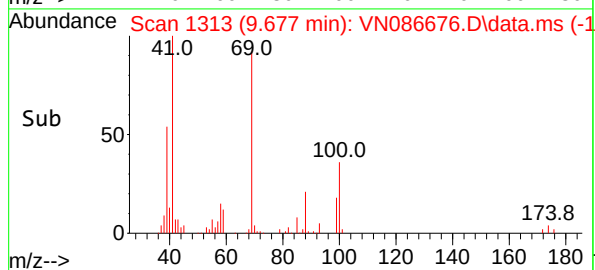
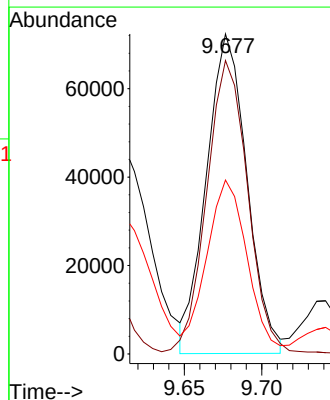
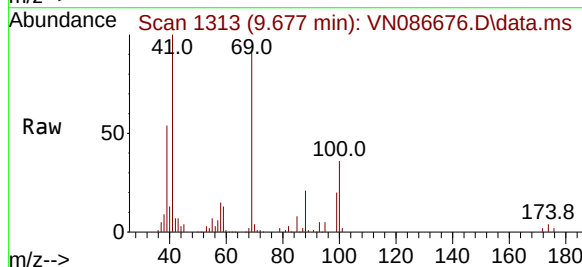
Tgt Ion: 41 Resp: 131470

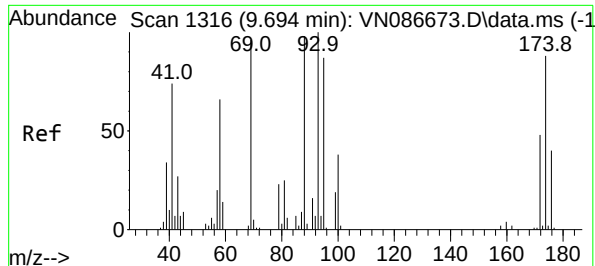
Ion Ratio Lower Upper

41 100

69 93.7 74.1 111.1

39 54.7 44.1 66.1





#49

1,4-Dioxane

Concen: 1064.544 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051625

Tgt Ion: 88 Resp: 57410

Ion Ratio Lower Upper

88 100

43 23.7 23.6 35.4

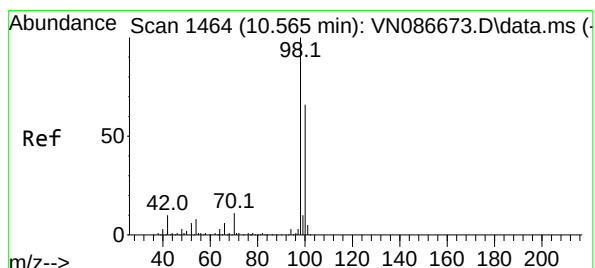
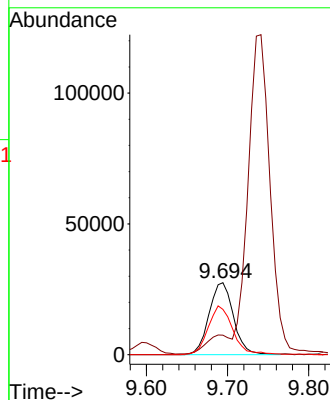
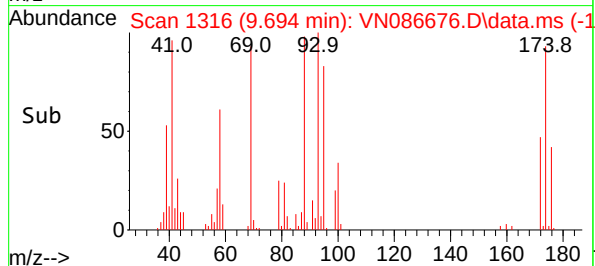
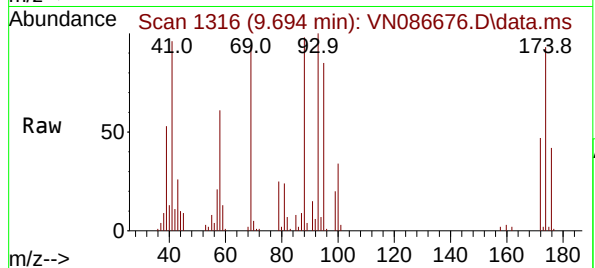
58 68.6 55.3 82.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#50

Toluene-d8

Concen: 51.886 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086676.D

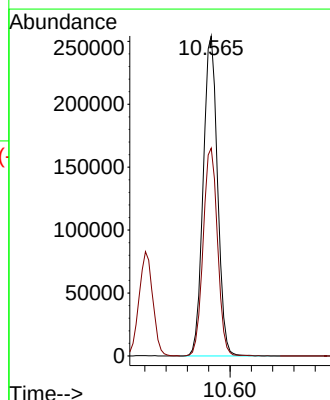
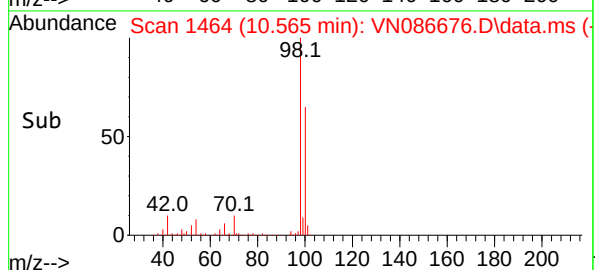
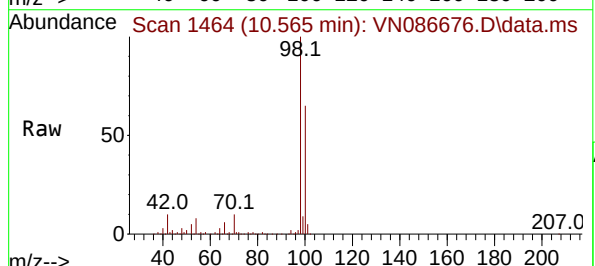
Acq: 16 May 2025 19:20

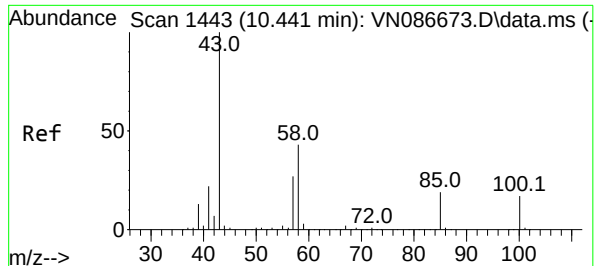
Tgt Ion: 98 Resp: 473116

Ion Ratio Lower Upper

98 100

100 65.4 52.9 79.3





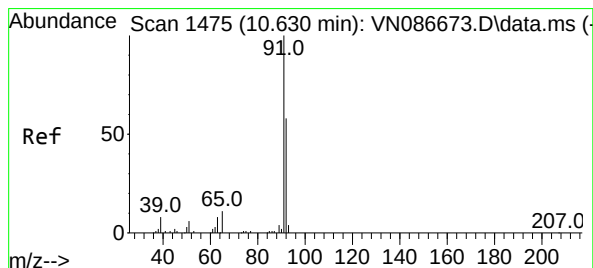
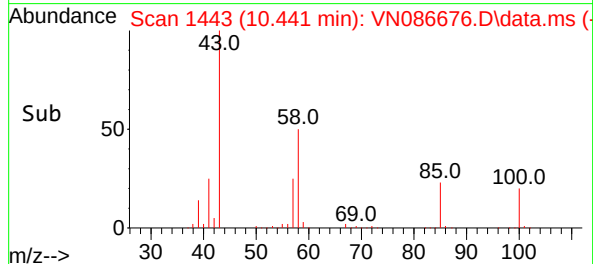
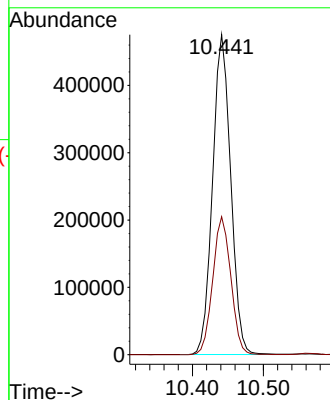
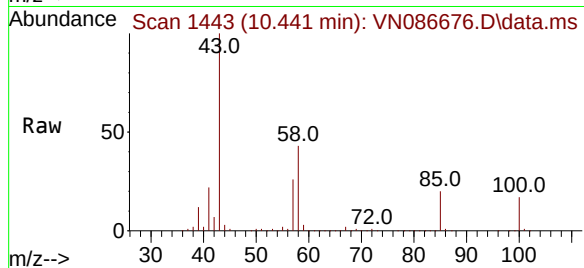
#51
4-Methyl-2-Pentanone
Concen: 253.963 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625

Tgt Ion: 43 Resp: 841754
Ion Ratio Lower Upper
43 100
58 43.0 33.9 50.9

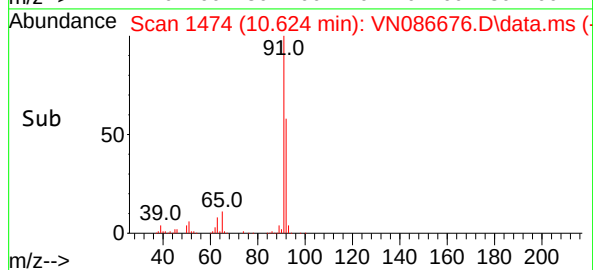
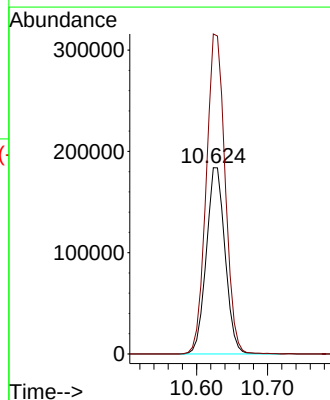
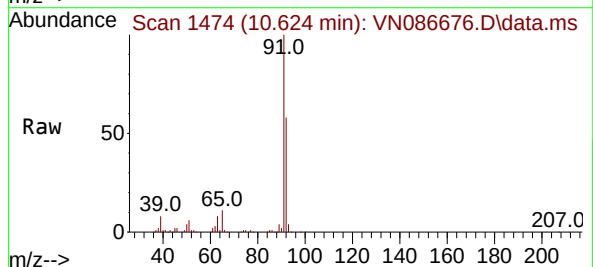
Manual Integrations
APPROVED

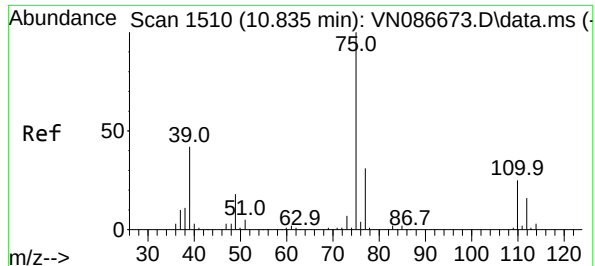
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#52
Toluene
Concen: 51.401 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

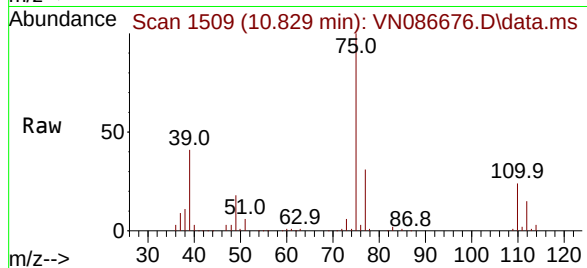
Tgt Ion: 92 Resp: 338248
Ion Ratio Lower Upper
92 100
91 172.7 137.8 206.8





#53
t-1,3-Dichloropropene
Concen: 52.432 ug/l
RT: 10.829 min Scan# 1510
Delta R.T. -0.006 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

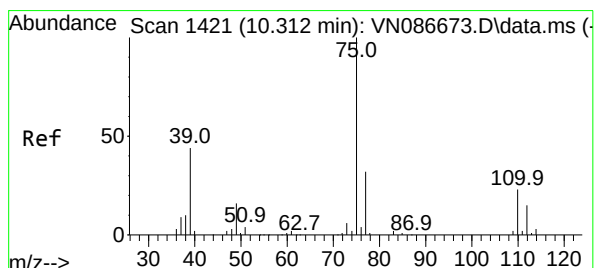
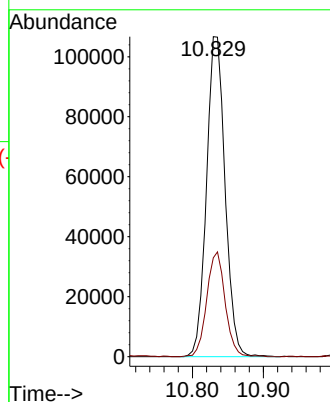
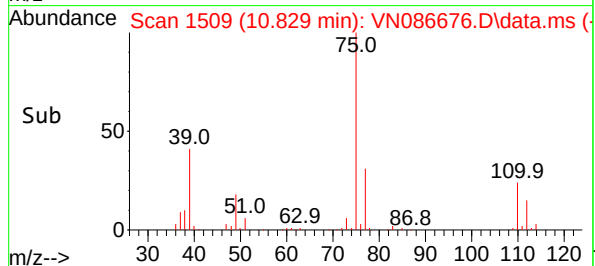
Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625



Tgt Ion: 75 Resp: 194124
Ion Ratio Lower Upper
75 100
77 30.9 25.2 37.8

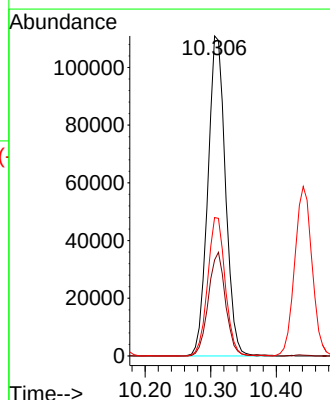
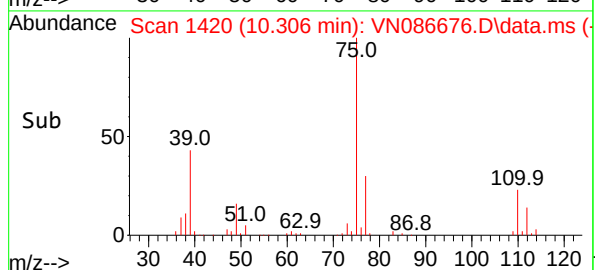
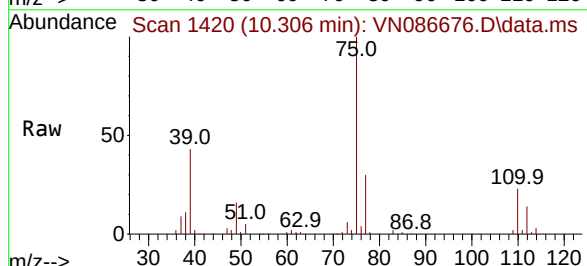
Manual Integrations
APPROVED

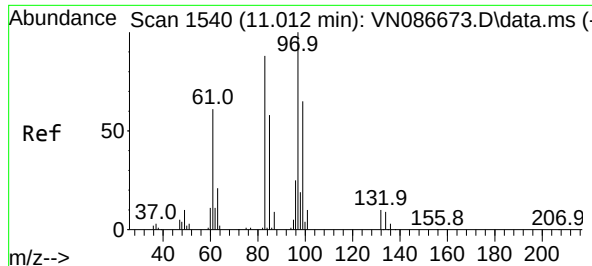
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#54
cis-1,3-Dichloropropene
Concen: 51.351 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

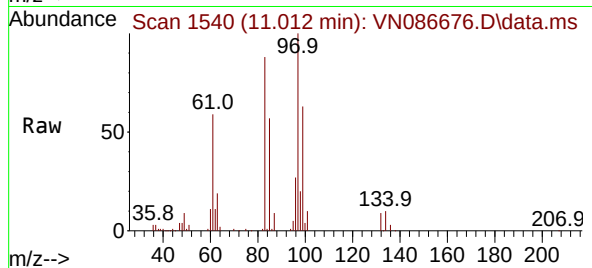
Tgt Ion: 75 Resp: 207544
Ion Ratio Lower Upper
75 100
77 30.0 25.3 37.9
39 43.3 35.2 52.8





#55
1,1,2-Trichloroethane
Concen: 49.290 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

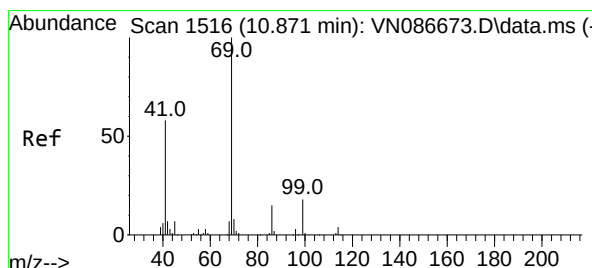
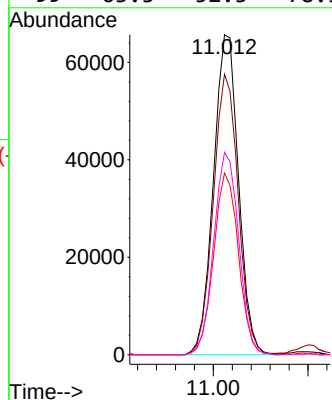
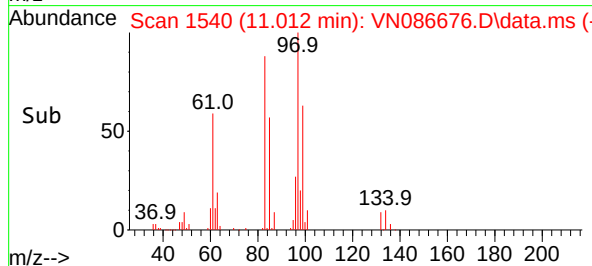
Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625



Tgt Ion: 97 Resp: 120990
Ion Ratio Lower Upper
97 100
83 87.6 70.4 105.6
85 56.7 46.1 69.1
99 63.3 52.3 78.5

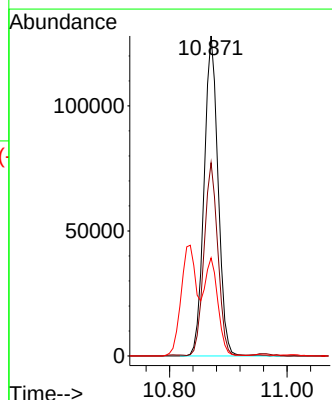
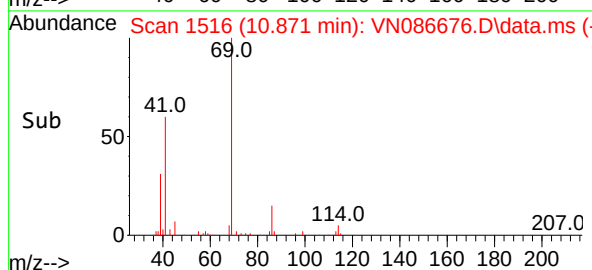
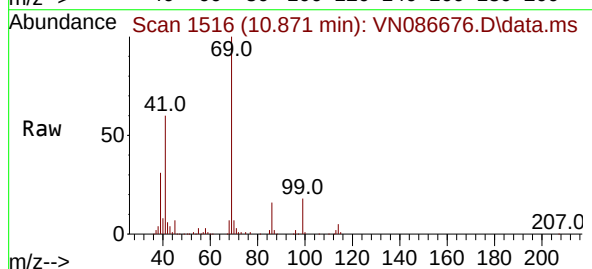
Manual Integrations
APPROVED

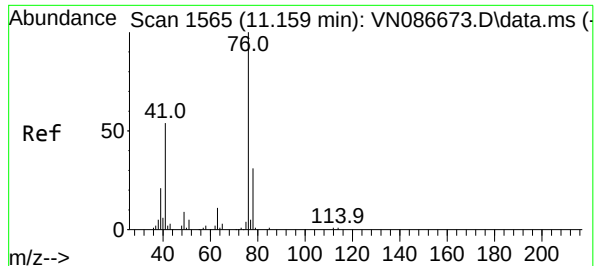
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#56
Ethyl methacrylate
Concen: 53.596 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

Tgt Ion: 69 Resp: 211241
Ion Ratio Lower Upper
69 100
41 59.2 47.4 71.0
39 28.6 24.0 36.0





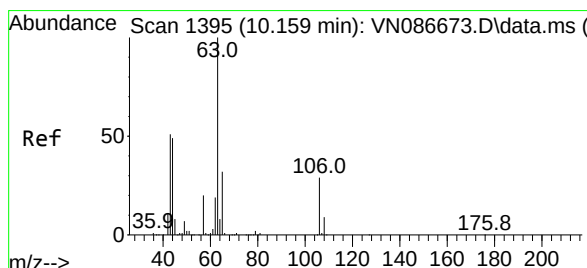
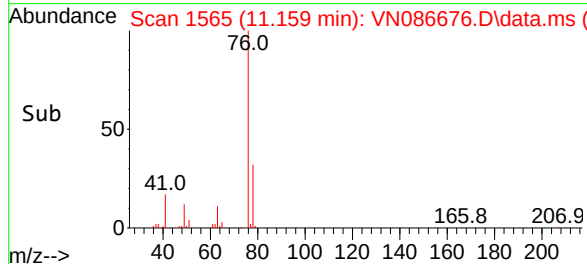
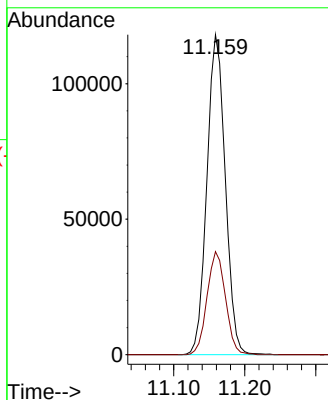
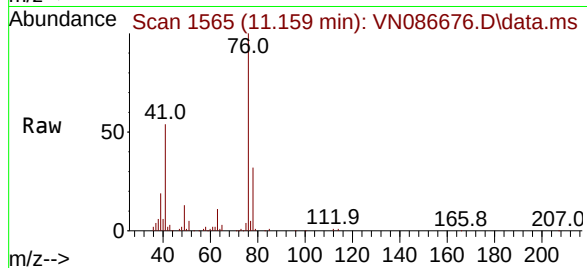
#57
1,3-Dichloropropane
Concen: 50.196 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625

Tgt Ion: 76 Resp: 212270
Ion Ratio Lower Upper
76 100
78 32.3 25.8 38.8

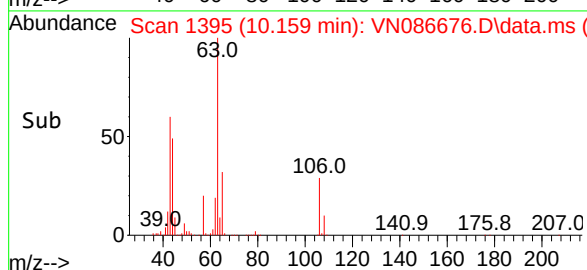
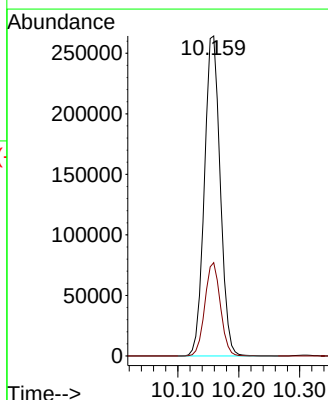
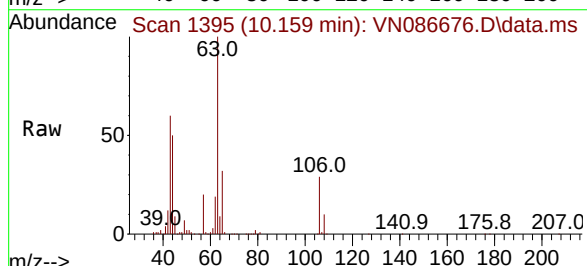
Manual Integrations
APPROVED

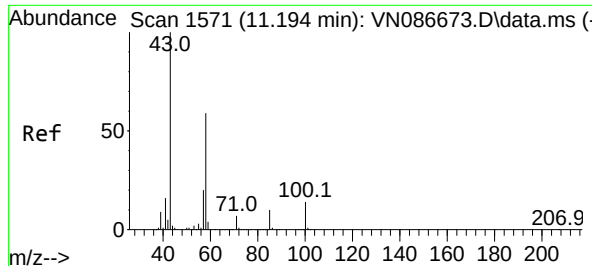
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#58
2-Chloroethyl Vinyl ether
Concen: 270.990 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

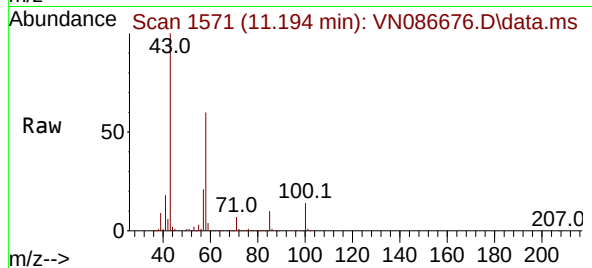
Tgt Ion: 63 Resp: 477348
Ion Ratio Lower Upper
63 100
106 28.6 23.1 34.7





#59
2-Hexanone
Concen: 260.961 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

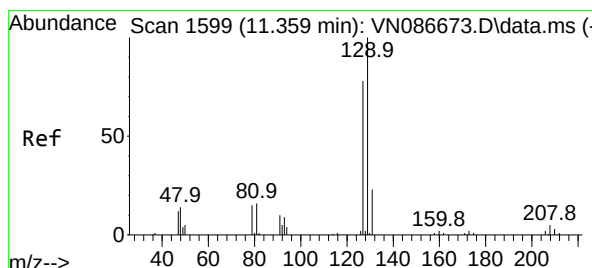
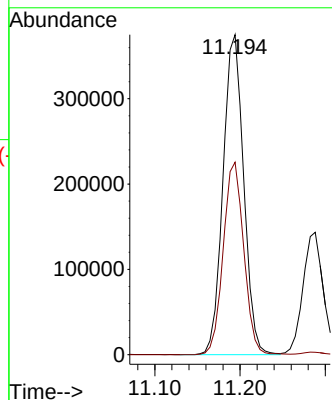
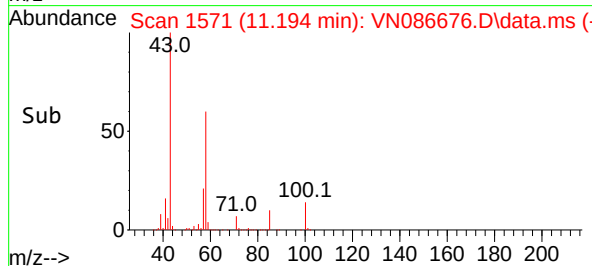
Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625



Tgt Ion: 43 Resp: 631633
Ion Ratio Lower Upper
43 100
58 59.8 29.8 89.5

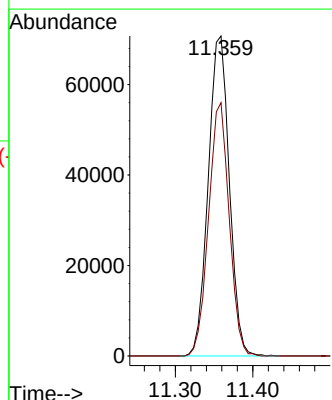
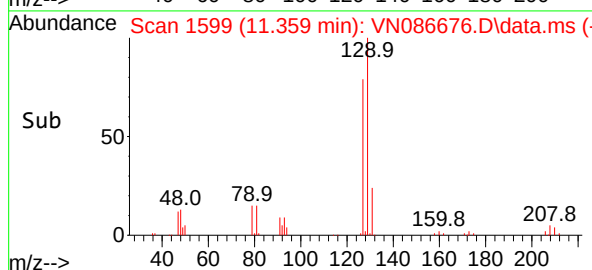
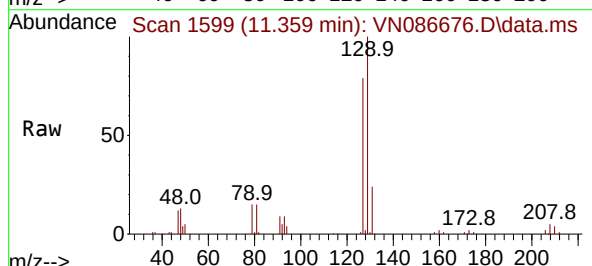
Manual Integrations
APPROVED

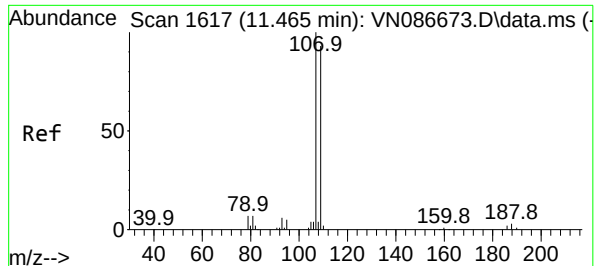
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#60
Dibromochloromethane
Concen: 52.080 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

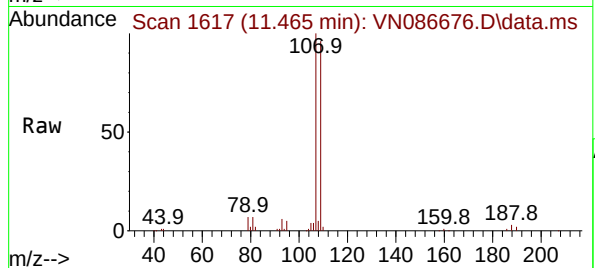
Tgt Ion:129 Resp: 133981
Ion Ratio Lower Upper
129 100
127 77.3 39.5 118.3





#61
1,2-Dibromoethane
Concen: 50.647 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

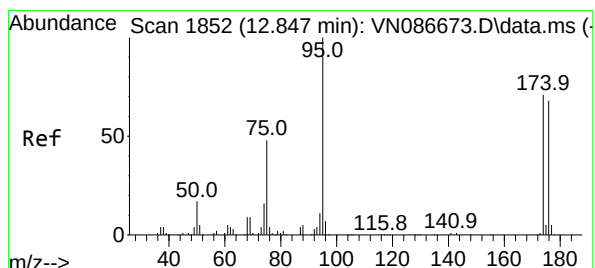
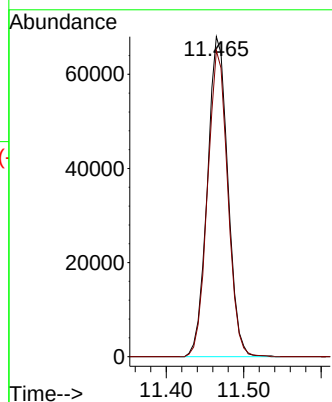
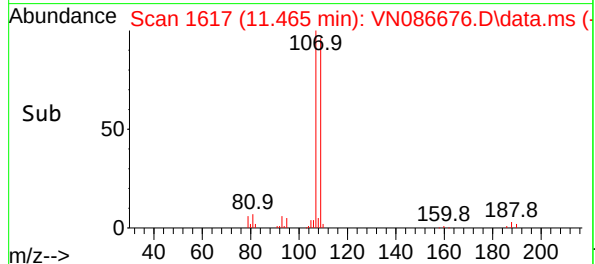
Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625



Tgt Ion:107 Resp: 124934
Ion Ratio Lower Upper
107 100
109 94.1 75.0 112.4

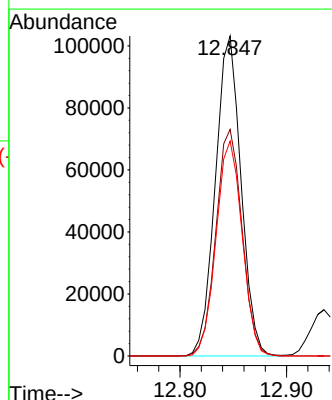
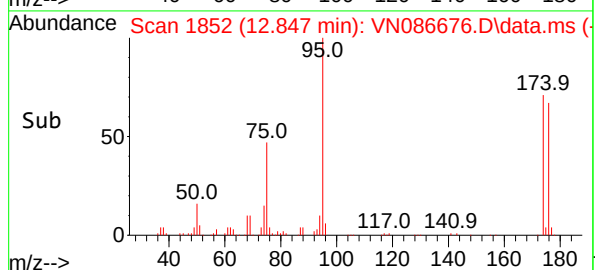
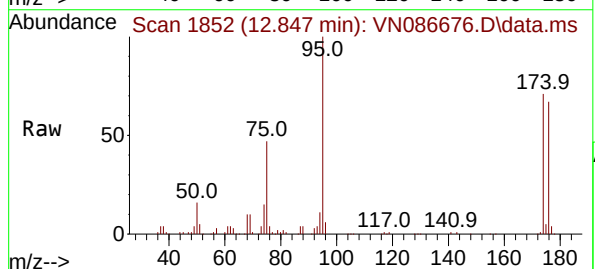
Manual Integrations
APPROVED

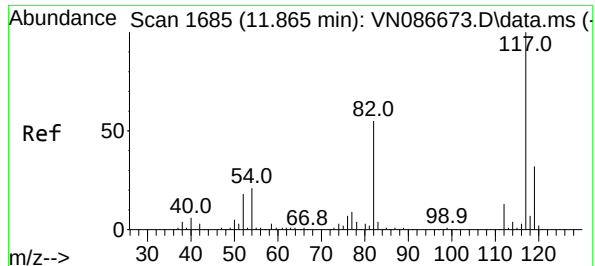
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#62
4-Bromofluorobenzene
Concen: 53.653 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

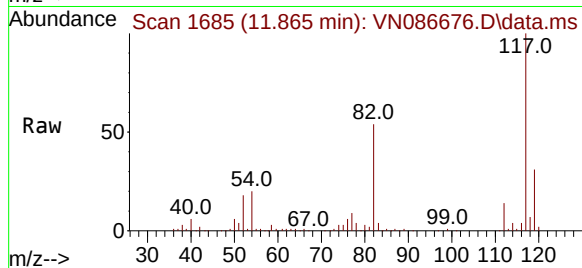
Tgt Ion: 95 Resp: 172745
Ion Ratio Lower Upper
95 100
174 72.2 0.0 145.4
176 68.1 0.0 137.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

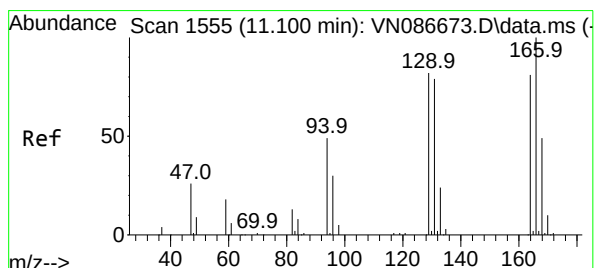
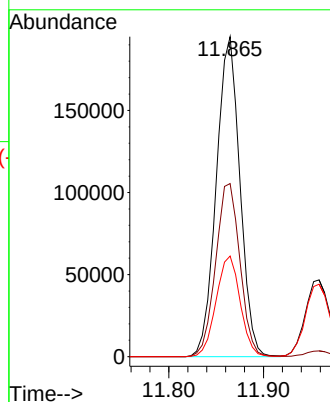
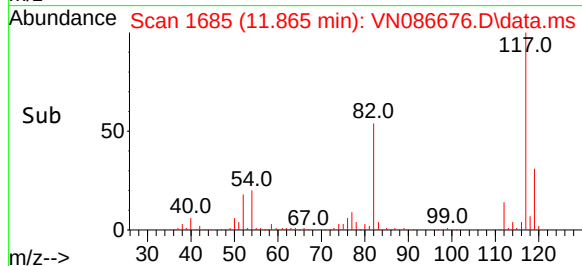
Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625



Tgt Ion:117 Resp: 337944
Ion Ratio Lower Upper
117 100
82 54.1 44.2 66.2
119 31.5 25.4 38.2

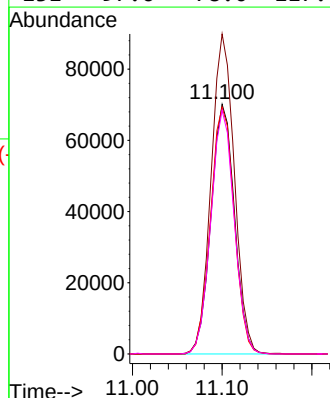
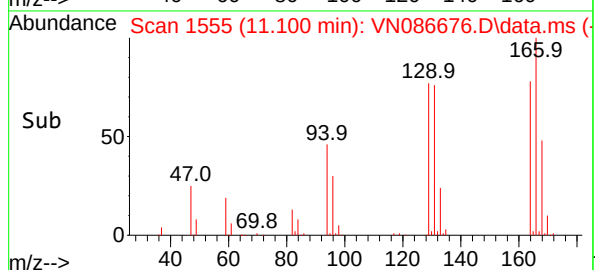
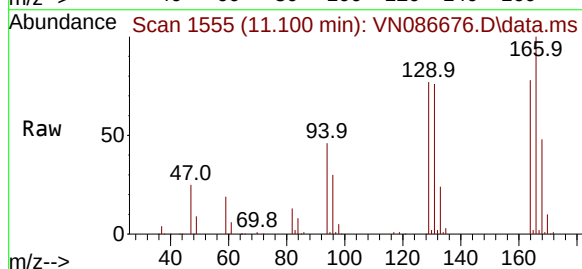
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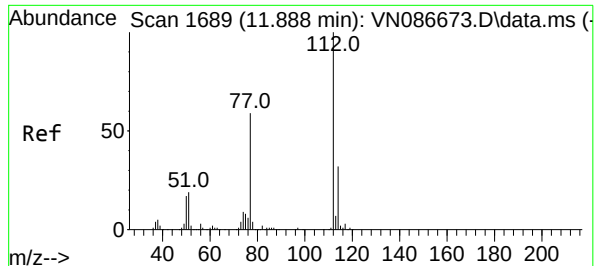
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#64
Tetrachloroethene
Concen: 49.218 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

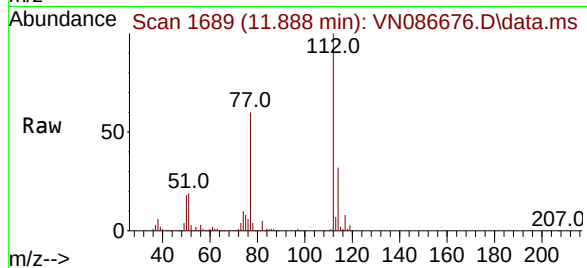
Tgt Ion:164 Resp: 127416
Ion Ratio Lower Upper
164 100
166 128.2 98.2 147.4
129 98.9 81.0 121.4
131 97.6 78.0 117.0





#65
Chlorobenzene
Concen: 49.389 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

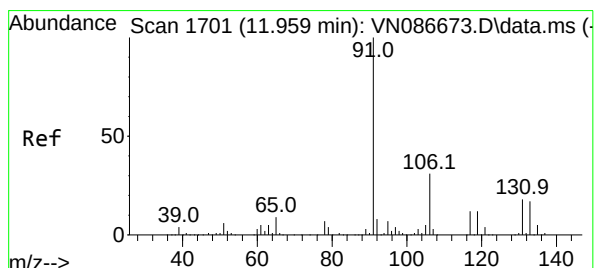
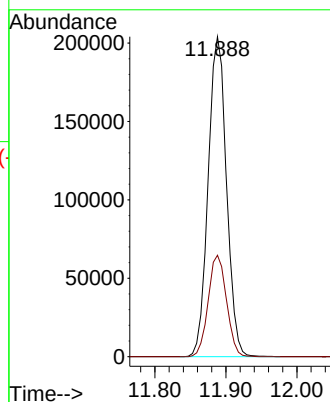
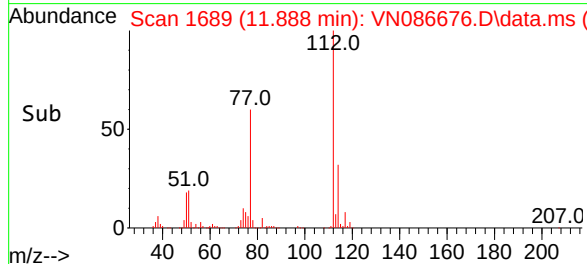
Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625



Tgt Ion:112 Resp: 36600
Ion Ratio Lower Upper
112 100
114 31.7 25.9 38.9

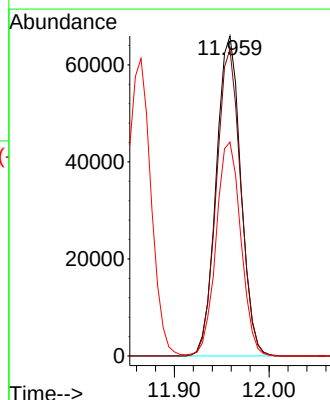
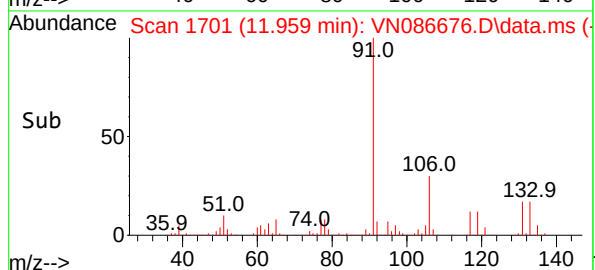
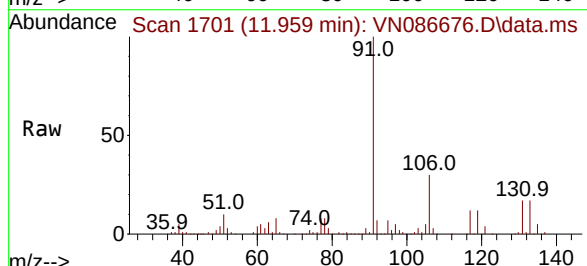
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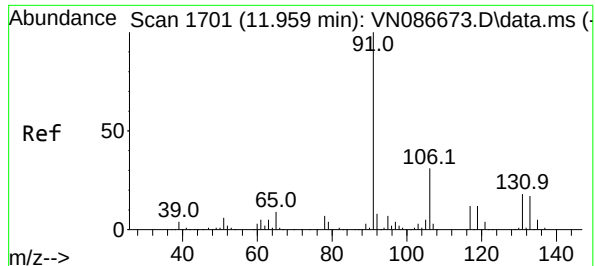
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 49.660 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

Tgt Ion:131 Resp: 118803
Ion Ratio Lower Upper
131 100
133 95.4 47.9 143.7
119 67.7 33.6 100.8





#67

Ethyl Benzene

Concen: 50.773 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051625

Tgt Ion: 91 Resp: 64446

Ion Ratio Lower Upper

91 100

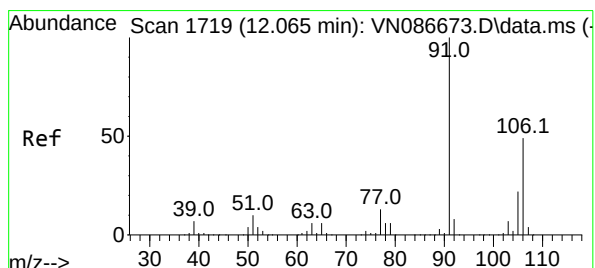
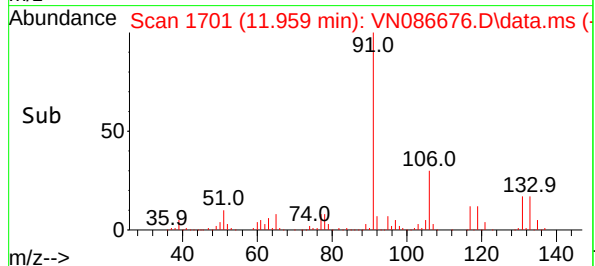
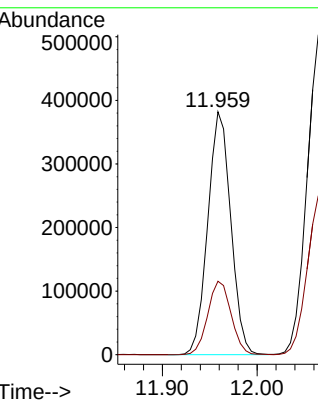
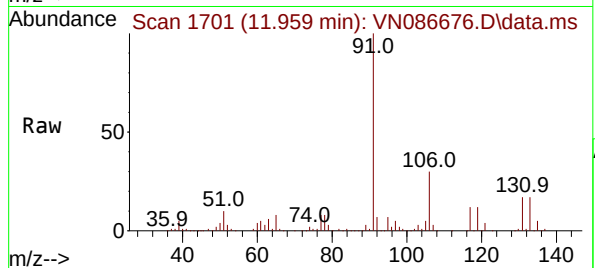
106 30.3 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#68

m/p-Xylenes

Concen: 103.321 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.000 min

Lab File: VN086676.D

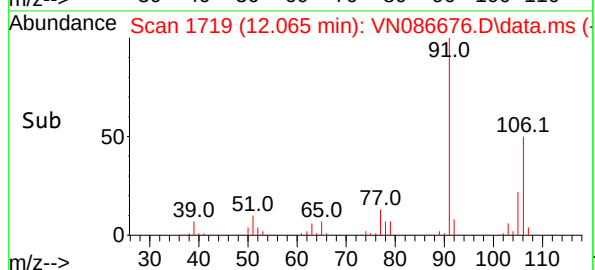
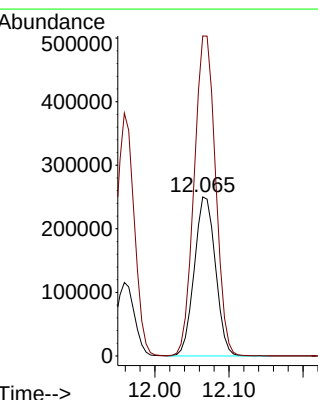
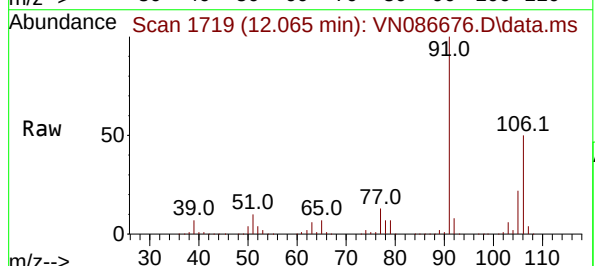
Acq: 16 May 2025 19:20

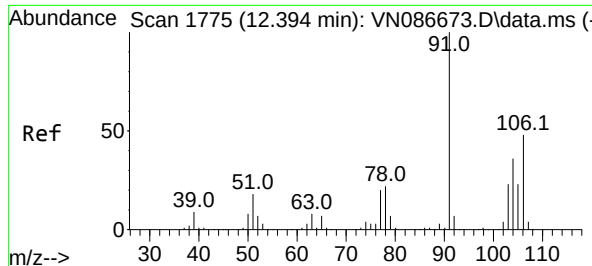
Tgt Ion:106 Resp: 496729

Ion Ratio Lower Upper

106 100

91 203.1 162.4 243.6





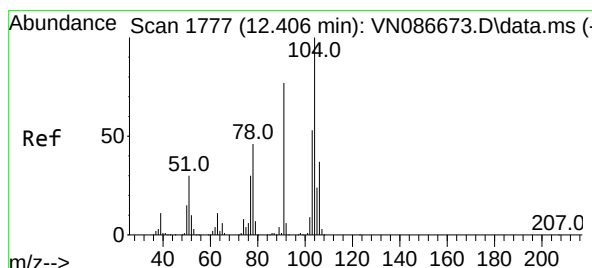
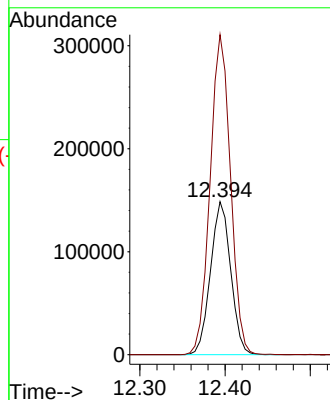
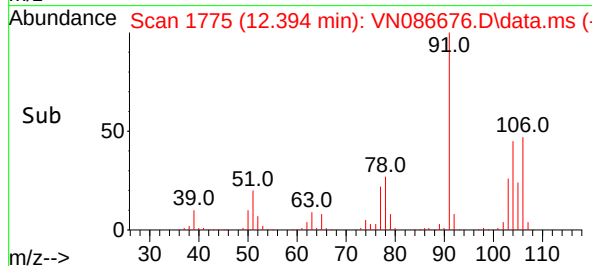
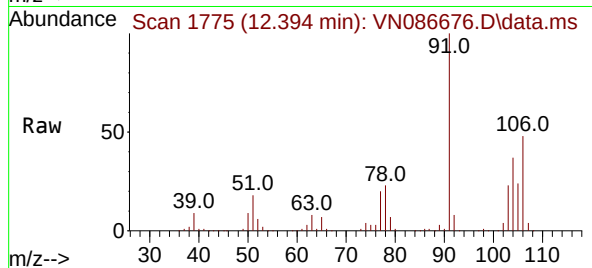
#69
o-Xylene
Concen: 51.191 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625

Tgt Ion:106 Resp: 244673
Ion Ratio Lower Upper
106 100
91 211.3 105.1 315.1

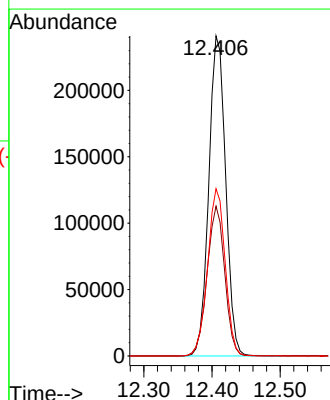
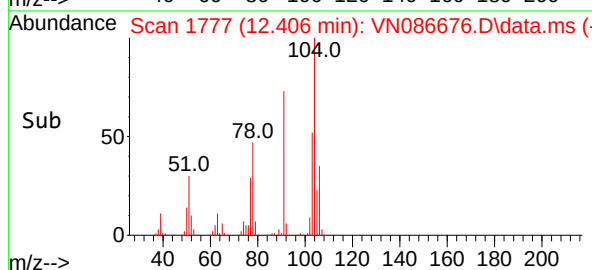
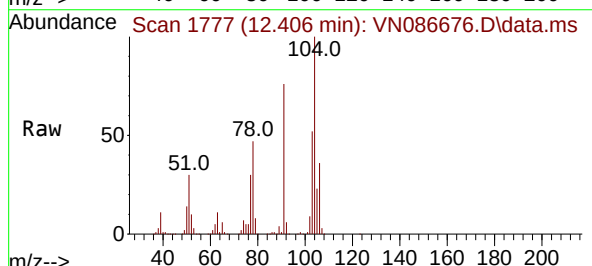
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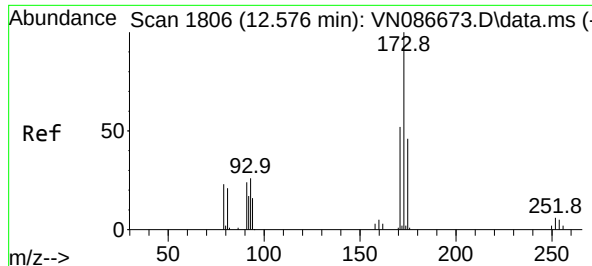
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#70
Styrene
Concen: 53.030 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

Tgt Ion:104 Resp: 414973
Ion Ratio Lower Upper
104 100
78 48.9 39.0 58.6
103 54.5 43.8 65.8





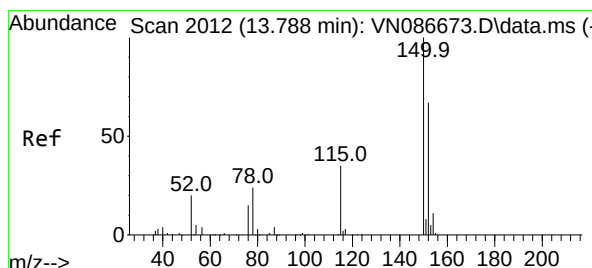
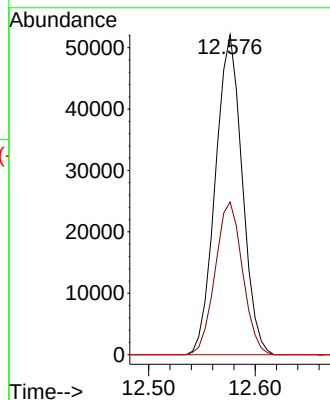
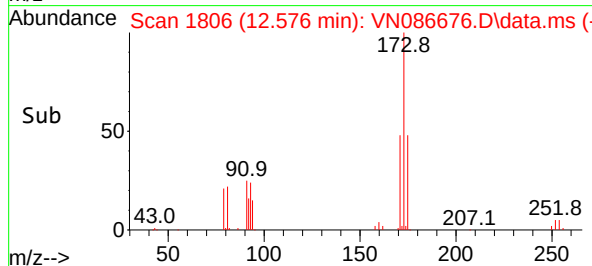
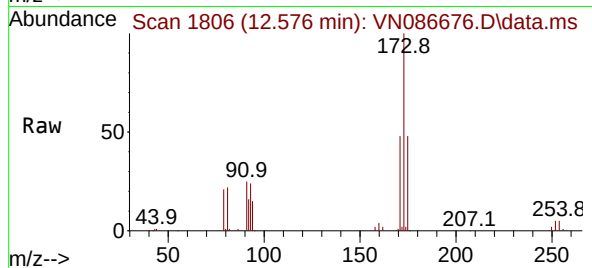
#71
Bromoform
Concen: 53.523 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625

Tgt Ion:173 Resp: 91062
Ion Ratio Lower Upper
173 100
175 48.7 23.4 70.2
254 0.0 0.0 0.0

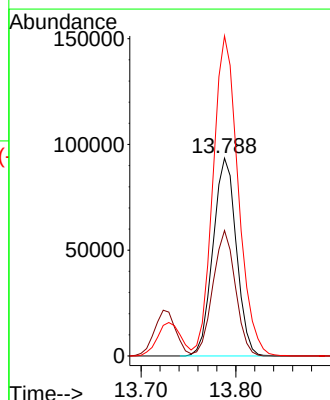
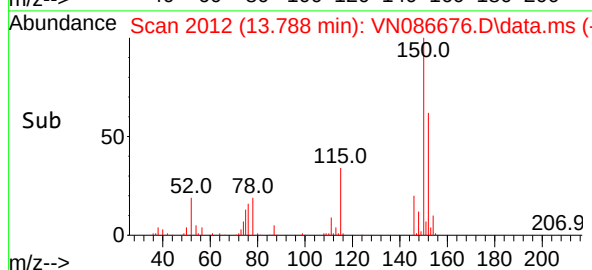
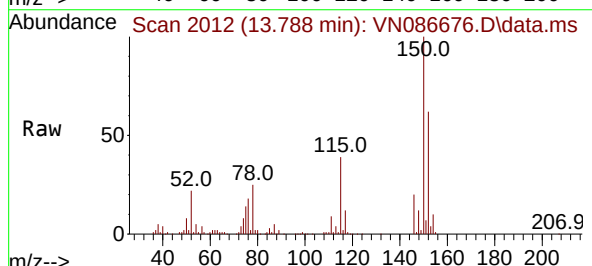
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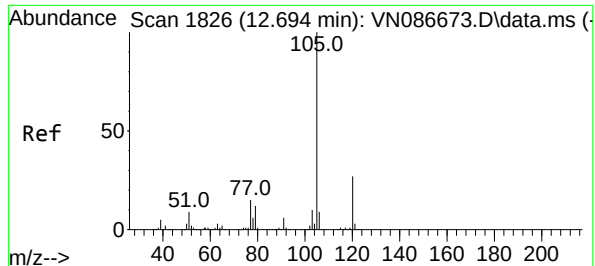
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

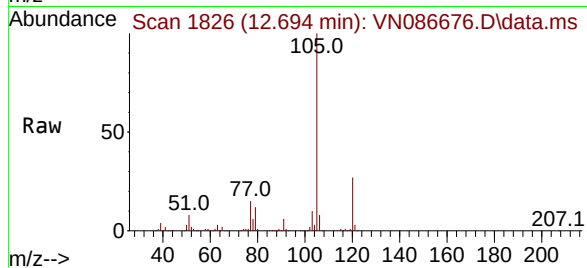
Tgt Ion:152 Resp: 160071
Ion Ratio Lower Upper
152 100
115 61.2 30.0 90.1
150 174.6 0.0 347.8





#73
Isopropylbenzene
Concen: 47.295 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

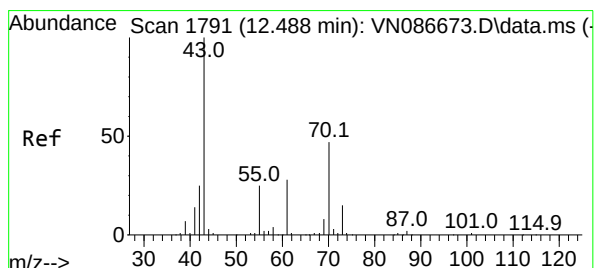
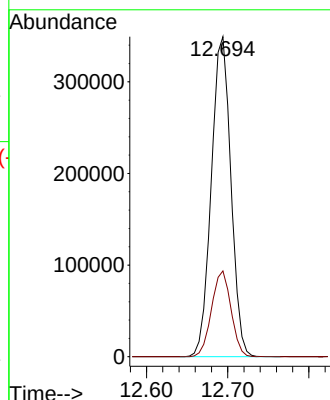
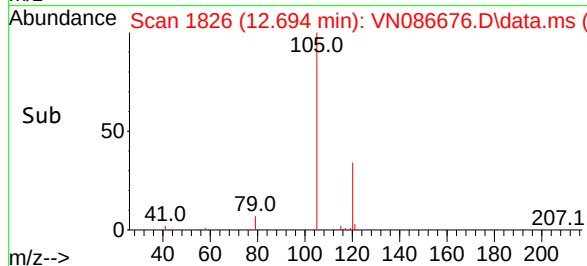
Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625



Tgt Ion:105 Resp: 584704
Ion Ratio Lower Upper
105 100
120 26.6 13.4 40.1

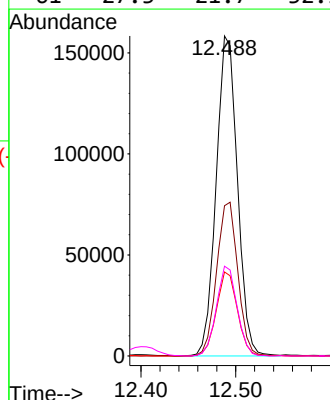
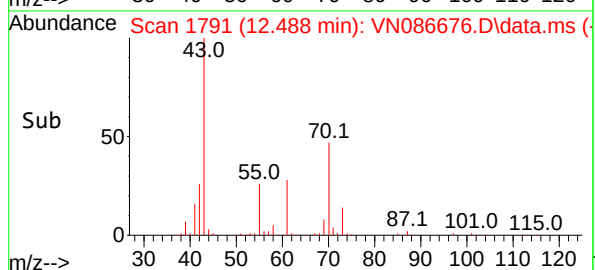
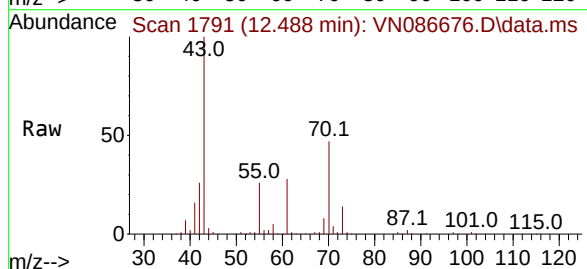
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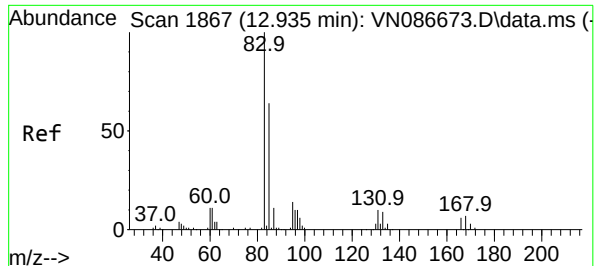
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#74
N-ethyl acetate
Concen: 47.905 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

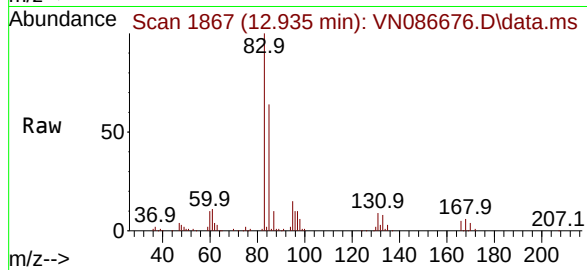
Tgt Ion: 43 Resp: 247445
Ion Ratio Lower Upper
43 100
70 48.0 37.9 56.9
55 26.0 20.5 30.7
61 27.3 21.7 32.5





#75
1,1,2-Tetrachloroethane
Concen: 45.885 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

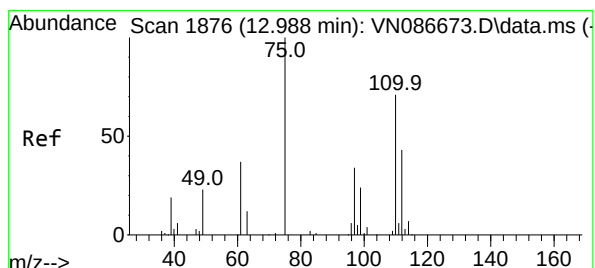
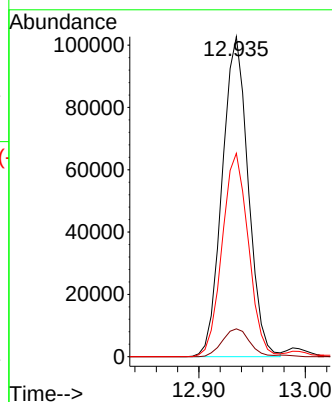
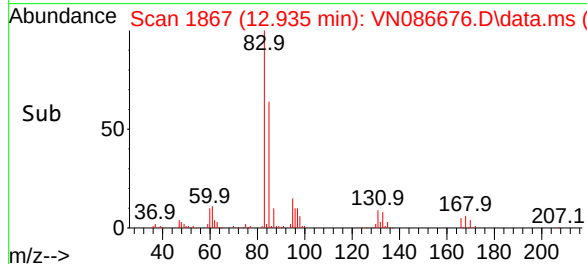
Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625



Tgt Ion: 83 Resp: 174270
Ion Ratio Lower Upper
83 100
131 9.1 5.0 15.0
85 64.1 32.4 97.2

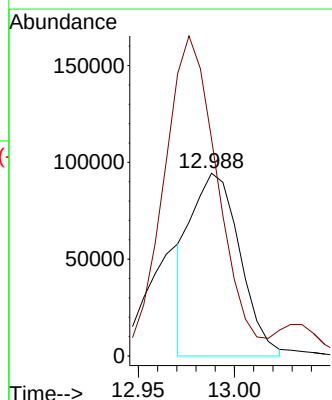
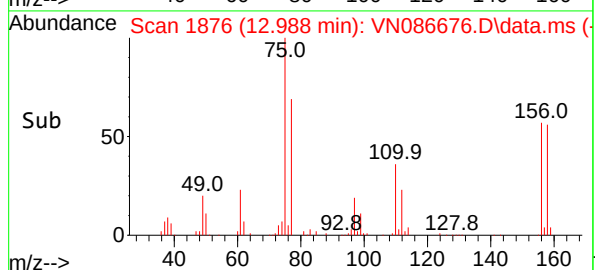
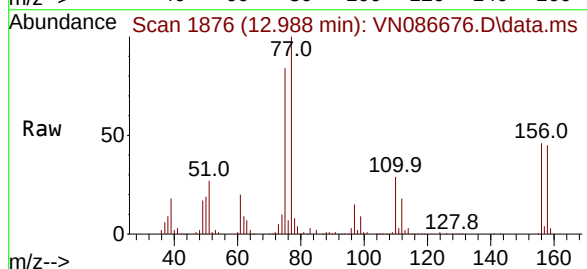
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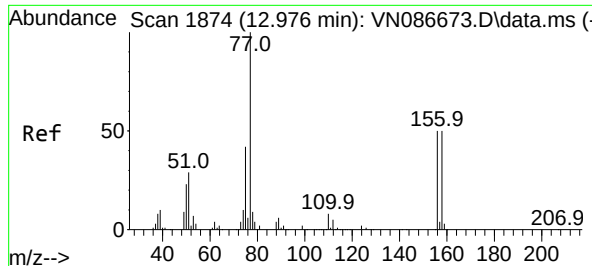
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#76
1,2,3-Trichloropropane
Concen: 46.088 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

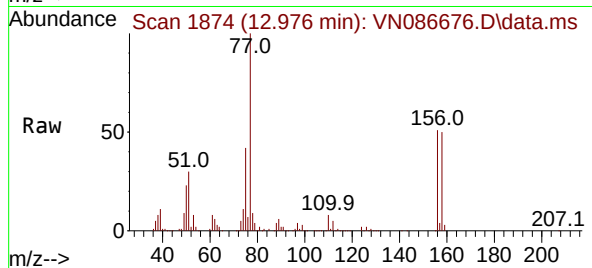
Tgt Ion: 75 Resp: 166845
Ion Ratio Lower Upper
75 100
77 194.6 96.0 288.1





#77
Bromobenzene
Concen: 46.220 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

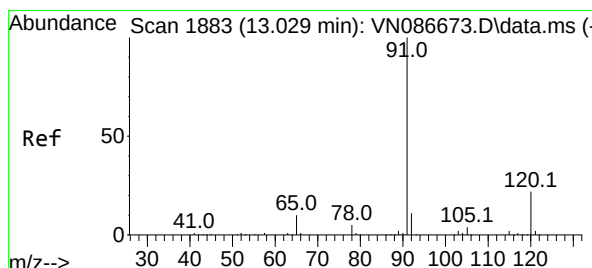
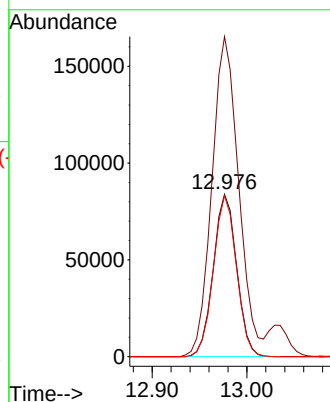
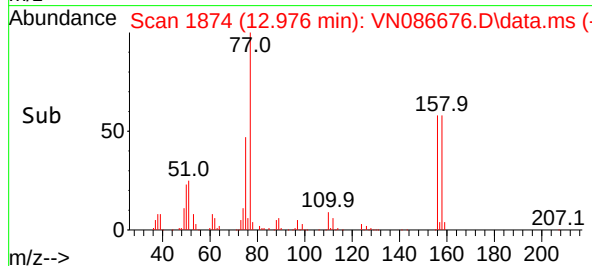
Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625



Tgt Ion:156 Resp: 143739
Ion Ratio Lower Upper
156 100
77 225.9 113.1 339.2
158 97.7 48.6 145.9

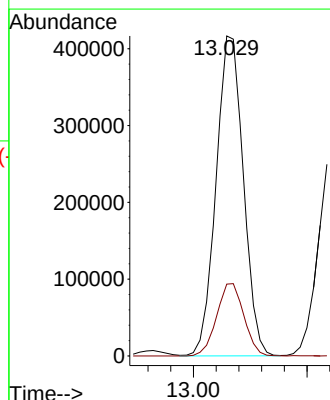
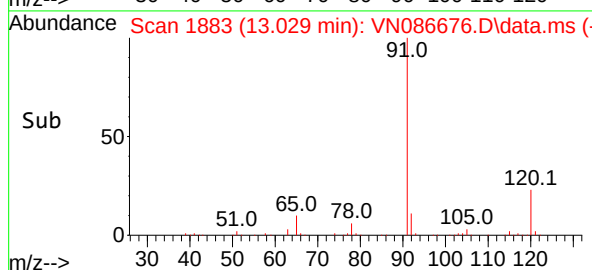
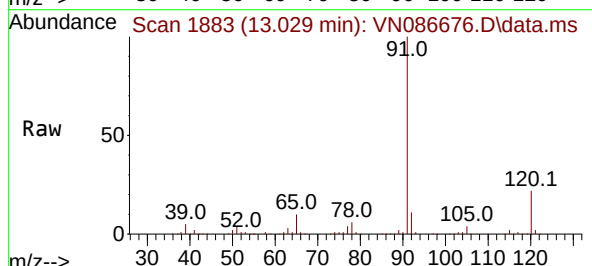
Manual Integrations
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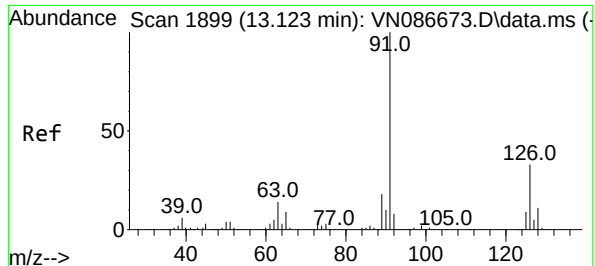
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#78
n-propylbenzene
Concen: 49.006 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

Tgt Ion: 91 Resp: 695292
Ion Ratio Lower Upper
91 100
120 22.5 11.4 34.1





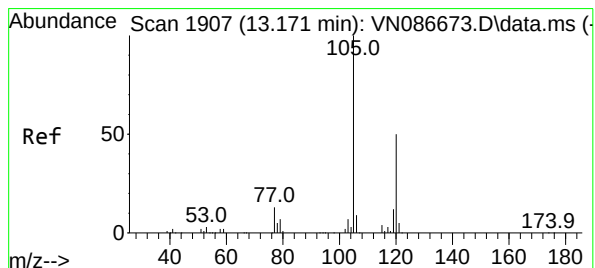
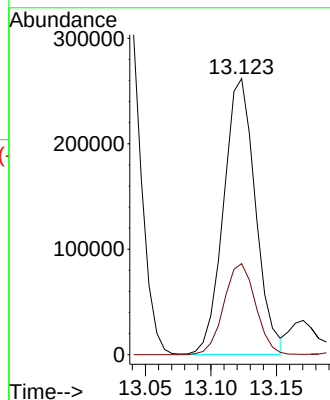
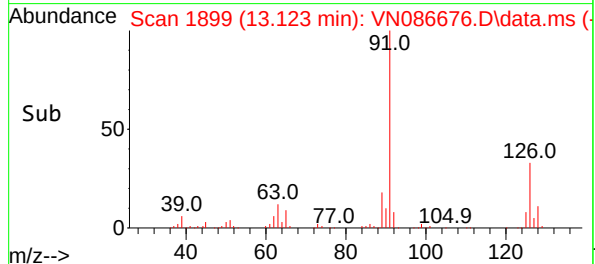
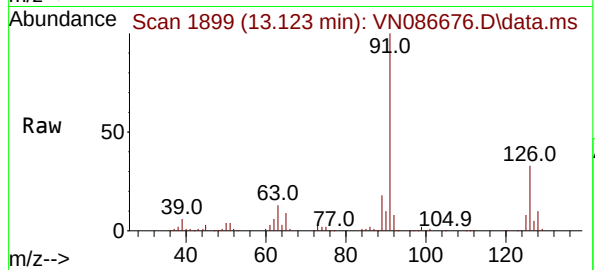
#79
2-Chlorotoluene
Concen: 48.004 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625

Tgt Ion: 91 Resp: 442834
Ion Ratio Lower Upper
91 100
126 32.8 16.6 49.7

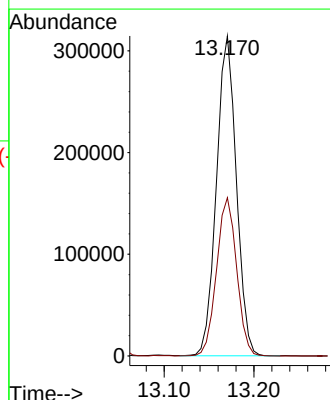
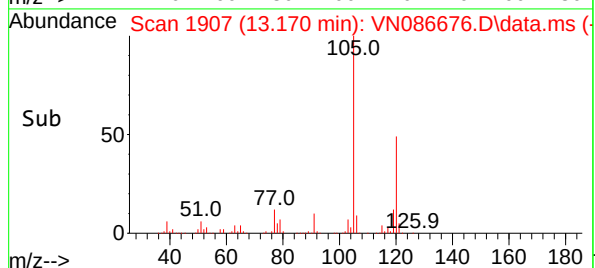
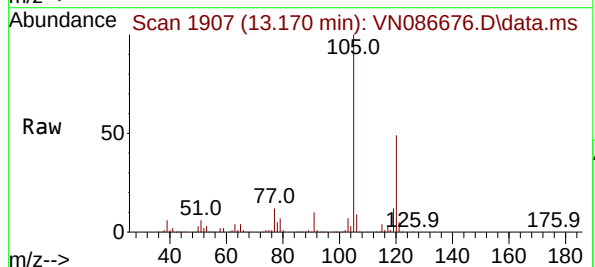
Manual Integrations
APPROVED

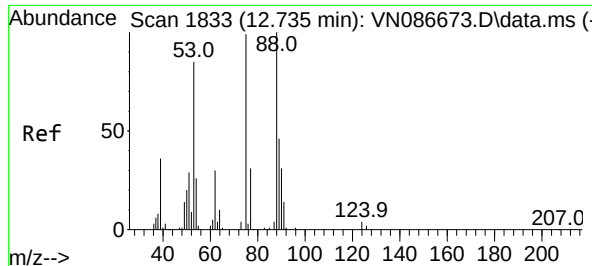
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#80
1,3,5-Trimethylbenzene
Concen: 48.940 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

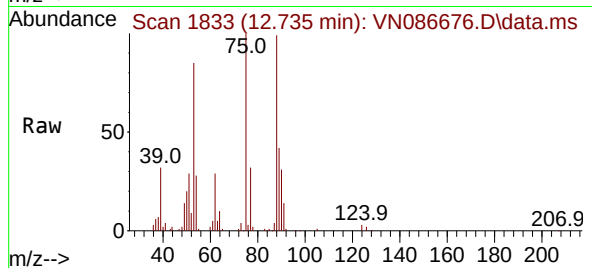
Tgt Ion:105 Resp: 484744
Ion Ratio Lower Upper
105 100
120 49.9 24.9 74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 47.700 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

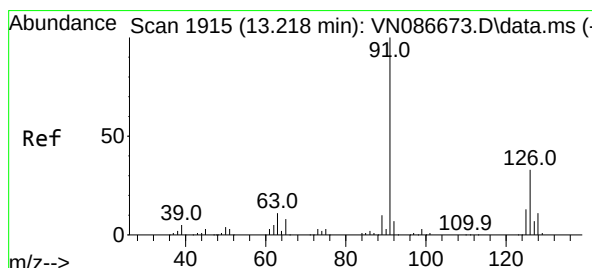
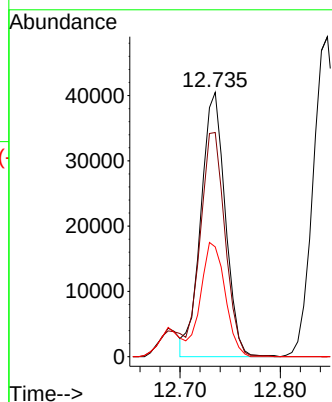
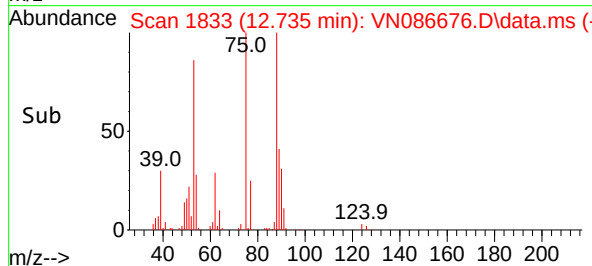
Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625



Tgt Ion: 75 Resp: 68425
Ion Ratio Lower Upper
75 100
53 85.5 70.4 105.6
89 43.2 32.4 48.6

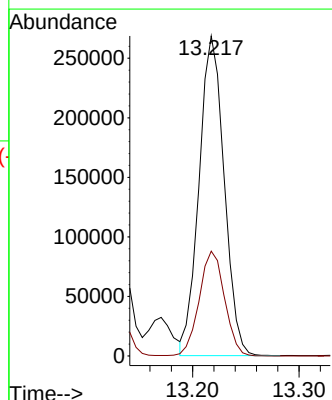
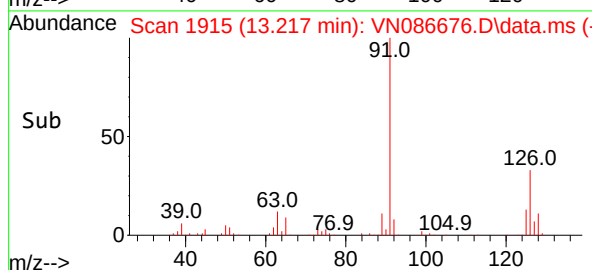
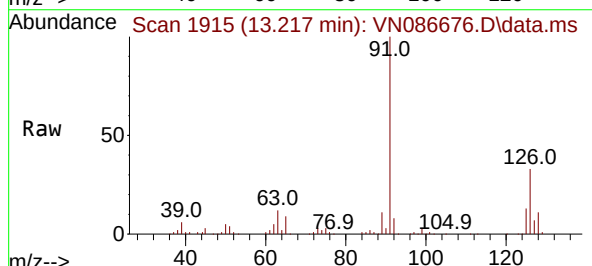
Manual Integrations
APPROVED

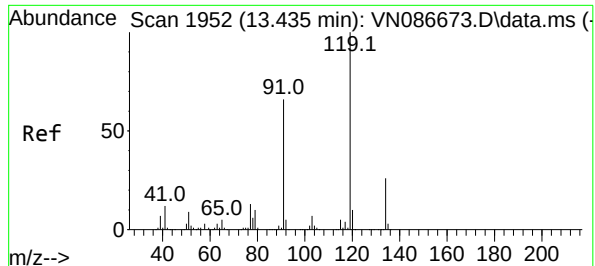
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#82
4-Chlorotoluene
Concen: 48.122 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

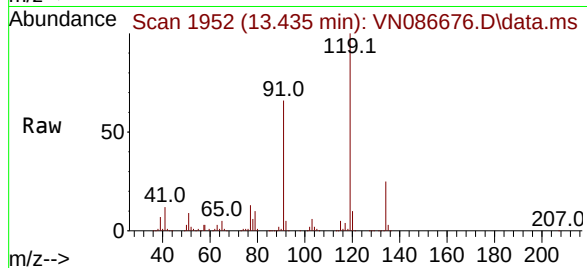
Tgt Ion: 91 Resp: 439811
Ion Ratio Lower Upper
91 100
126 33.2 17.0 50.9





#83
tert-Butylbenzene
Concen: 47.509 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

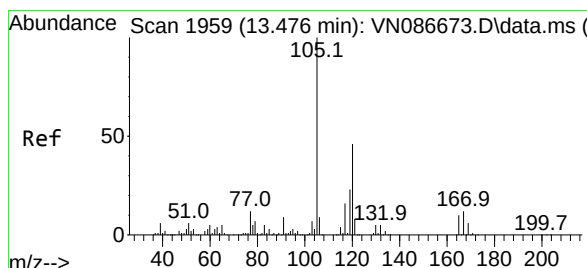
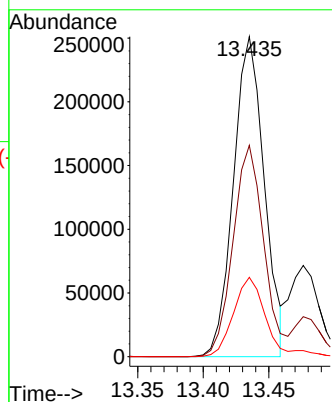
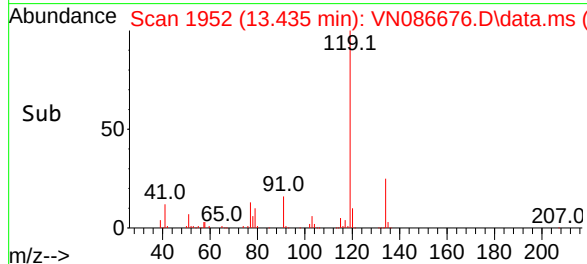
Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625



Tgt Ion:119 Resp: 410379
Ion Ratio Lower Upper
119 100
91 66.2 32.9 98.7
134 26.3 13.4 40.1

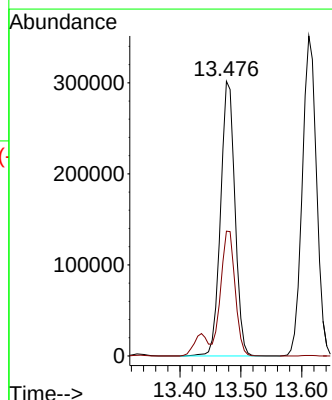
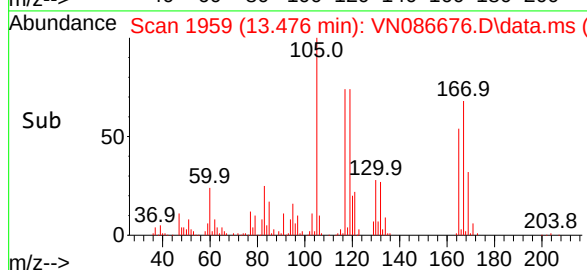
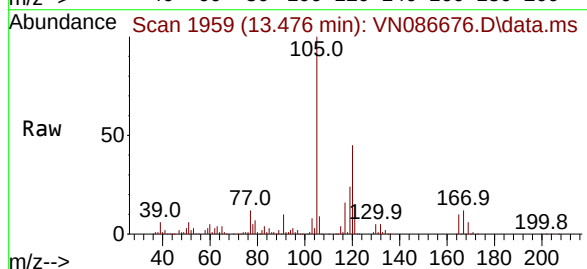
Manual Integrations
APPROVED

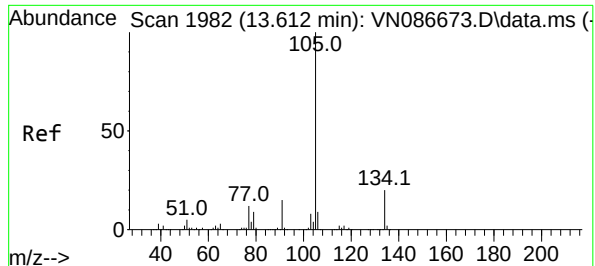
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#84
1,2,4-Trimethylbenzene
Concen: 50.014 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

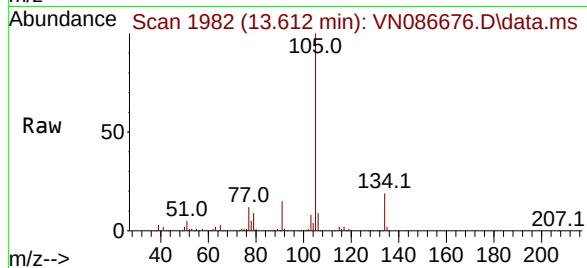
Tgt Ion:105 Resp: 493314
Ion Ratio Lower Upper
105 100
120 46.1 23.2 69.6





#85
sec-Butylbenzene
Concen: 49.105 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

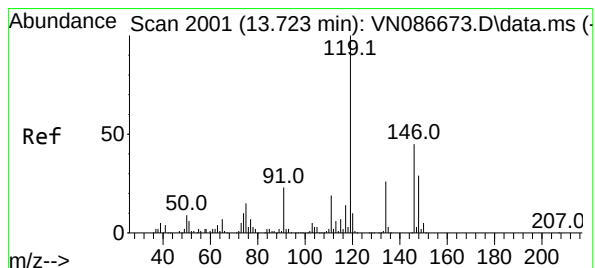
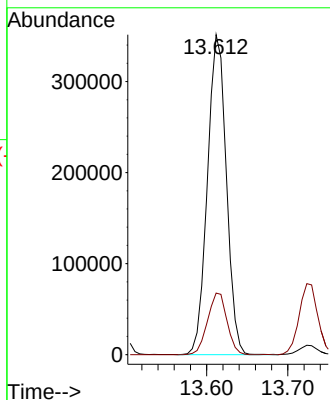
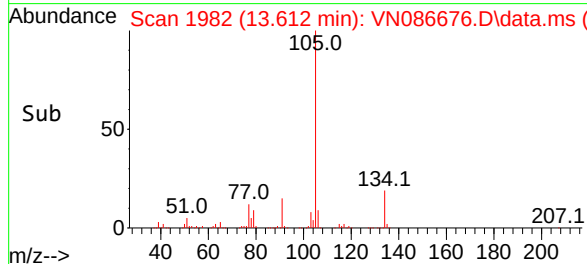
Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625



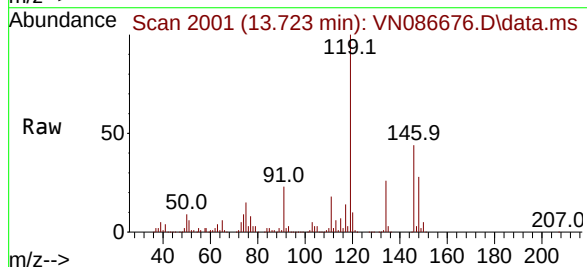
Tgt Ion:105 Resp: 56875
Ion Ratio Lower Upper
105 100
134 19.7 10.1 30.1

Manual Integrations
APPROVED

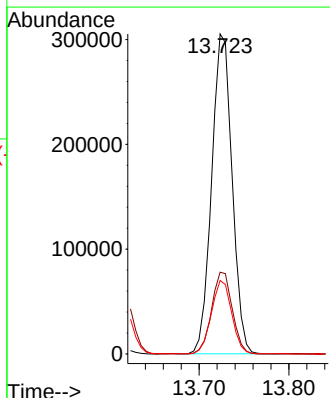
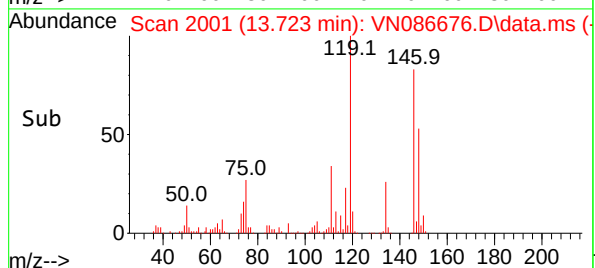
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

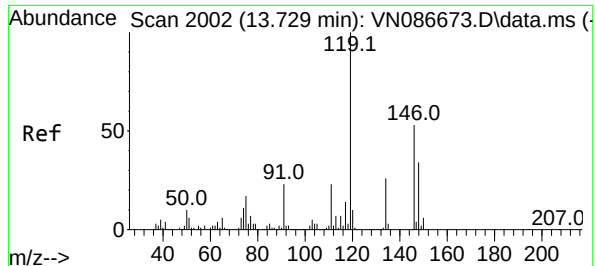


#86
p-Isopropyltoluene
Concen: 50.868 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20



Tgt Ion:119 Resp: 482931
Ion Ratio Lower Upper
119 100
134 25.8 13.1 39.1
91 22.7 11.5 34.5





#87

1,3-Dichlorobenzene

Concen: 48.877 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051625

Tgt Ion:146 Resp: 26321

Ion Ratio Lower Upper

146 100

111 41.2 20.9 62.7

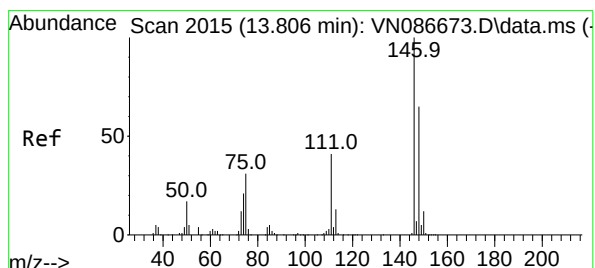
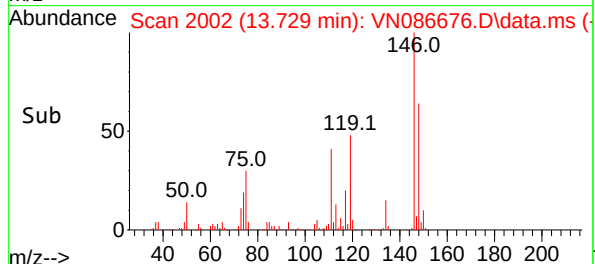
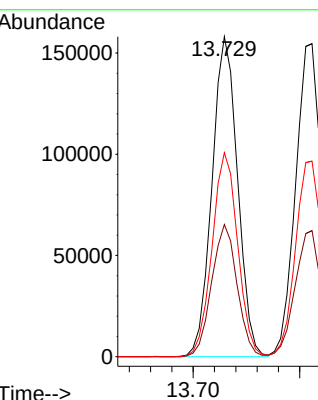
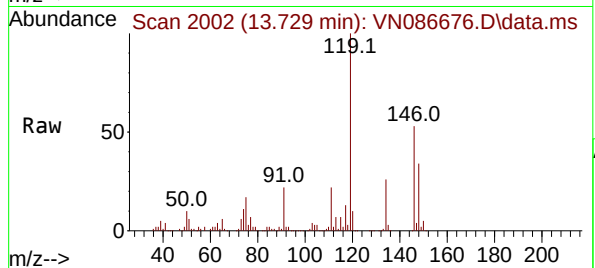
148 63.9 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#88

1,4-Dichlorobenzene

Concen: 49.573 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.006 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

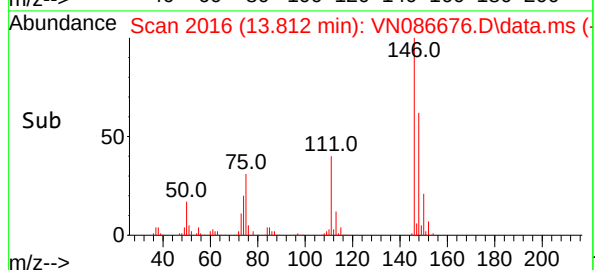
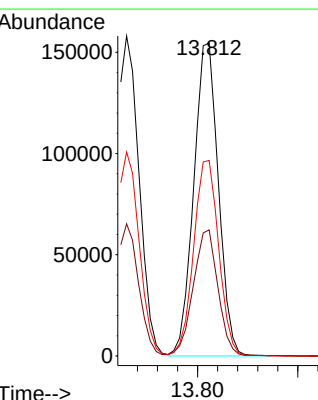
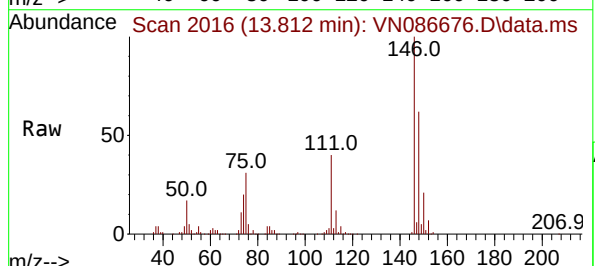
Tgt Ion:146 Resp: 264501

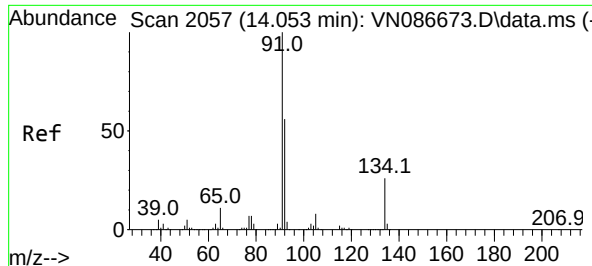
Ion Ratio Lower Upper

146 100

111 40.5 20.6 61.8

148 63.6 32.0 96.0





#89

n-Butylbenzene

Concen: 51.865 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051625

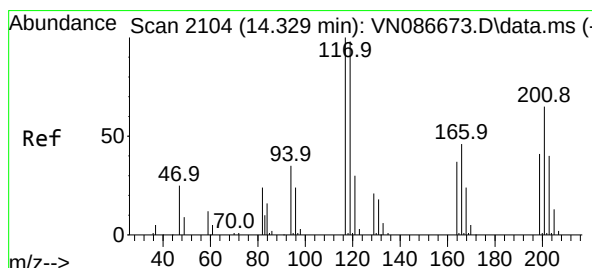
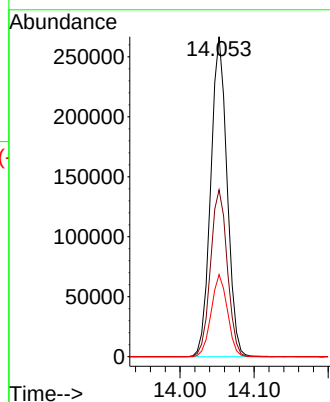
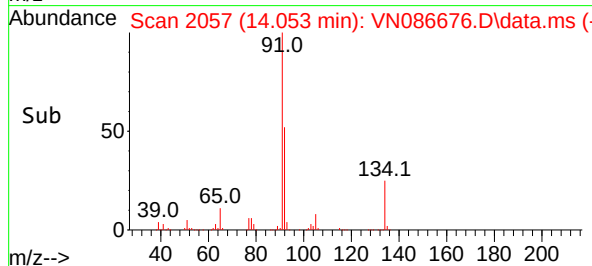
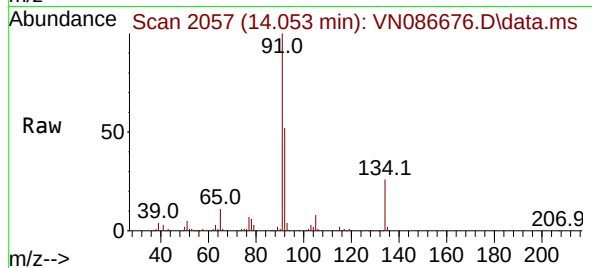
Tgt Ion:	91	Resp:	408204
Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.4	82.0
134	25.4	12.8	38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2025

Supervised By :Mahesh Dadoda 05/19/2025



#90

Hexachloroethane

Concen: 50.631 ug/l

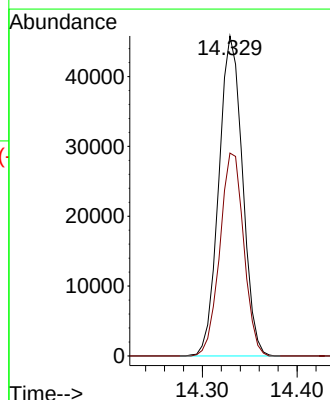
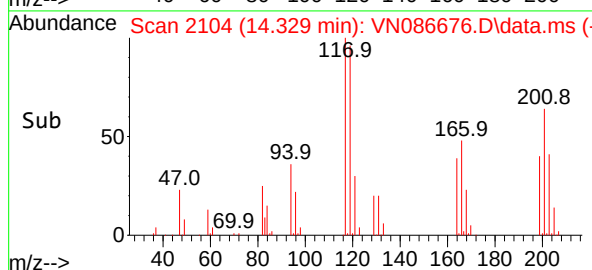
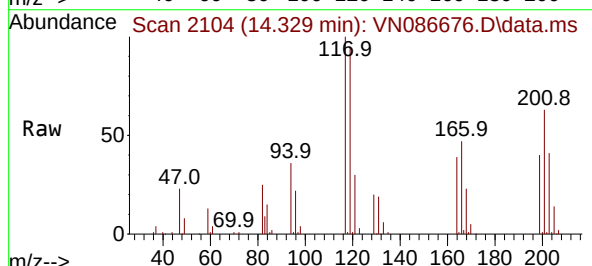
RT: 14.329 min Scan# 2104

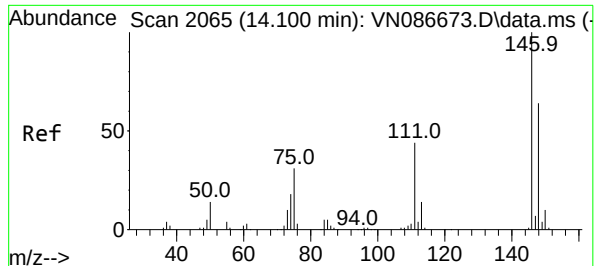
Delta R.T. -0.000 min

Lab File: VN086676.D

Acq: 16 May 2025 19:20

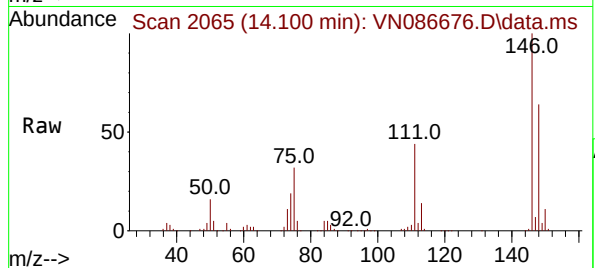
Tgt Ion:	117	Resp:	79755
Ion	Ratio	Lower	Upper
117	100		
201	63.8	32.0	96.0





#91
1,2-Dichlorobenzene
Concen: 49.729 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

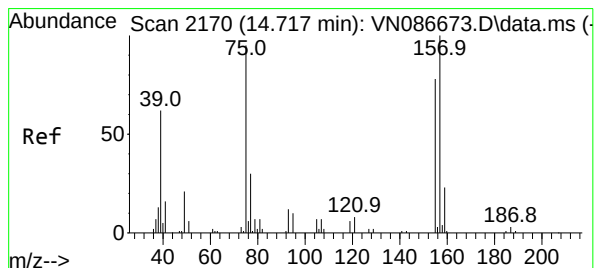
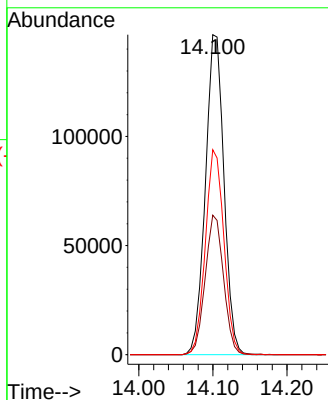
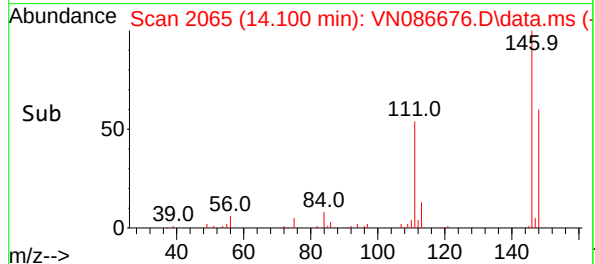
Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625



Tgt Ion:146 Resp: 254715
Ion Ratio Lower Upper
146 100
111 43.2 21.6 65.0
148 64.0 31.7 95.1

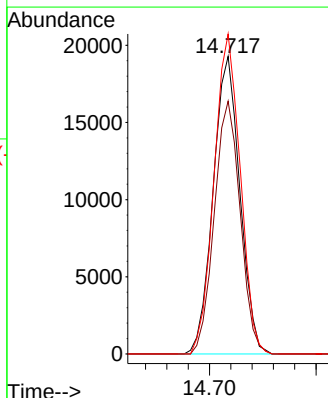
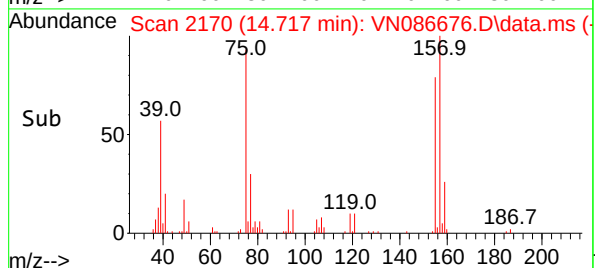
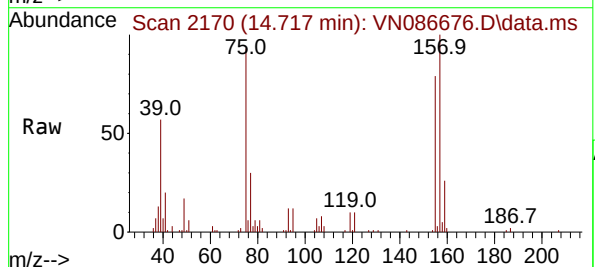
Manual Integrations
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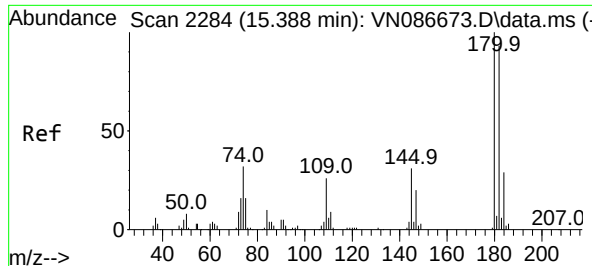
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 53.253 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

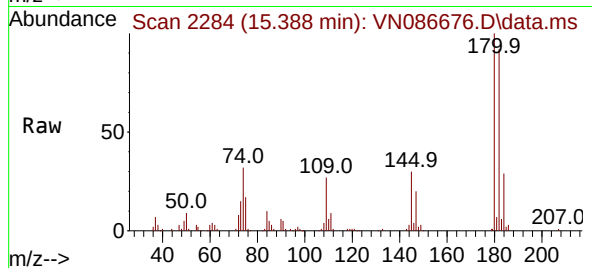
Tgt Ion: 75 Resp: 33507
Ion Ratio Lower Upper
75 100
155 82.5 40.5 121.5
157 105.3 53.6 160.8





#93
1,2,4-Trichlorobenzene
Concen: 52.378 ug/l
RT: 15.388 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

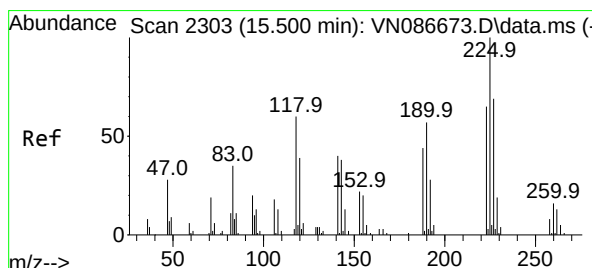
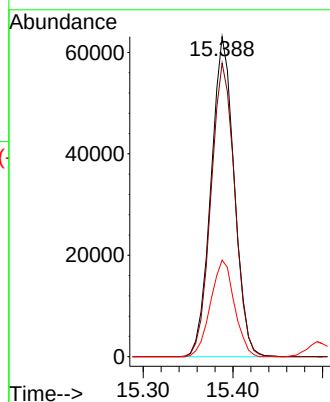
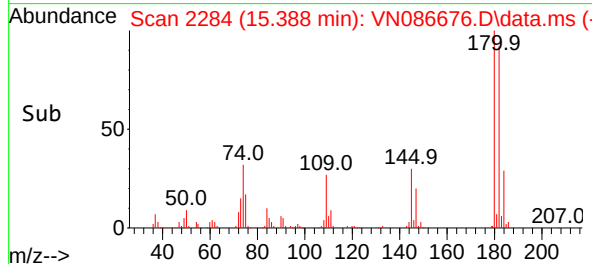
Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625



Tgt Ion:180 Resp: 11324
Ion Ratio Lower Upper
180 100
182 93.7 47.1 141.3
145 31.1 15.6 46.8

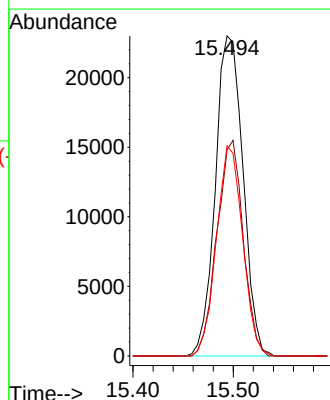
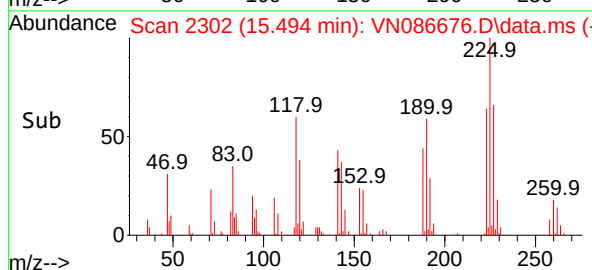
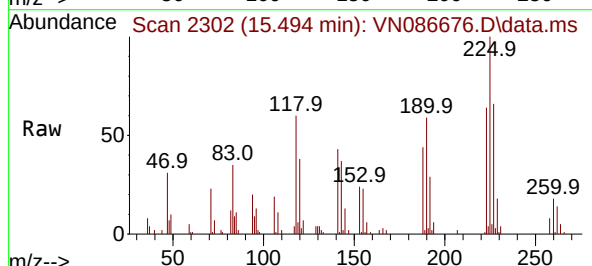
Manual Integrations
APPROVED

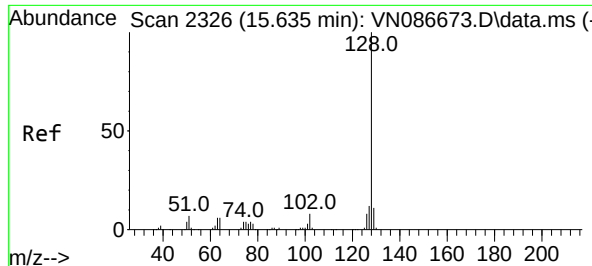
Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#94
Hexachlorobutadiene
Concen: 49.090 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

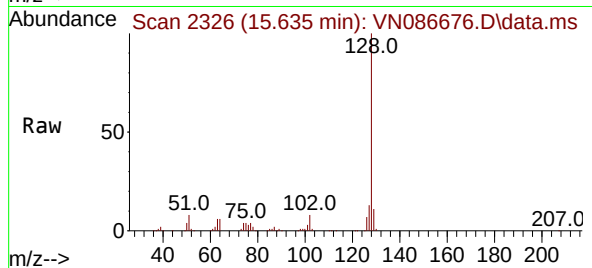
Tgt Ion:225 Resp: 44035
Ion Ratio Lower Upper
225 100
223 64.0 32.9 98.6
227 62.3 32.4 97.2





#95
Naphthalene
Concen: 52.378 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

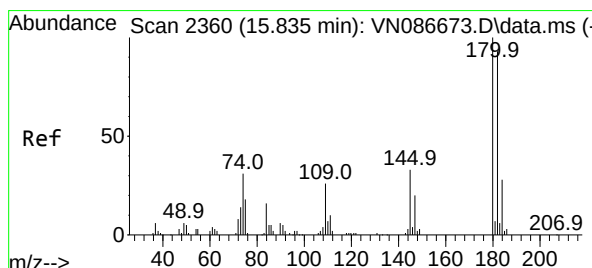
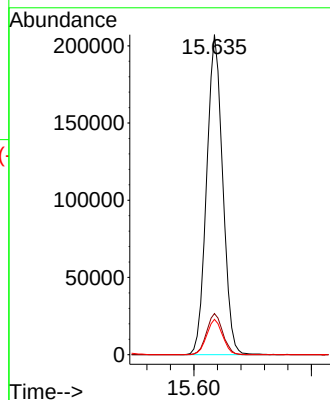
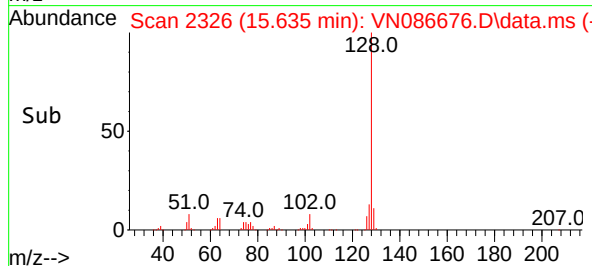
Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625



Tgt Ion:128 Resp: 39321
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 10.9 8.6 13.0

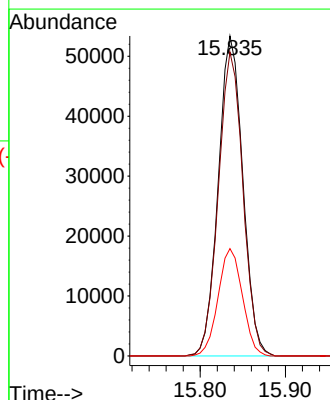
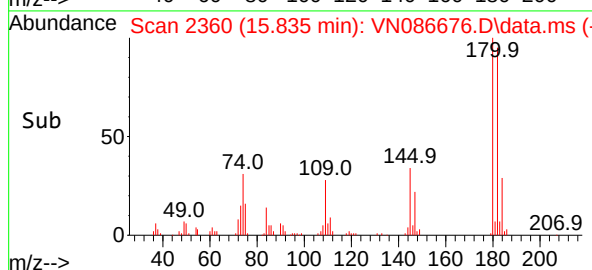
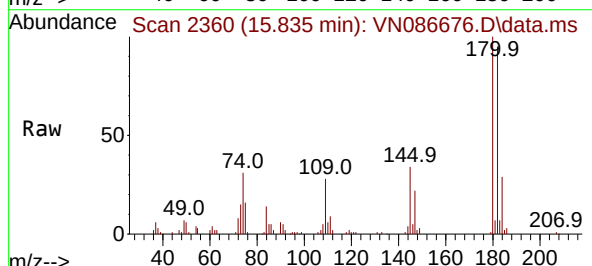
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.497 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086676.D
Acq: 16 May 2025 19:20

Tgt Ion:180 Resp: 106918
Ion Ratio Lower Upper
180 100
182 94.9 47.0 141.2
145 33.2 16.7 50.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
 Data File : VN086676.D
 Acq On : 16 May 2025 19:20
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051625

Quant Time: May 17 00:49:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 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	103	0.00
2 T	Dichlorodifluoromethane	0.540	0.610	-13.0	105	0.00
3 P	Chloromethane	0.817	0.808	1.1	106	0.00
4 C	Vinyl Chloride	0.733	0.746	-1.8#	102	0.00
5 T	Bromomethane	0.423	0.414	2.1	105	0.00
6 T	Chloroethane	0.480	0.476	0.8	105	0.00
7 T	Trichlorofluoromethane	0.877	0.894	-1.9	104	0.00
8 T	Diethyl Ether	0.362	0.368	-1.7	105	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.525	0.538	-2.5	105	0.00
10 T	Methyl Iodide	0.653	0.676	-3.5	107	0.00
11 T	Tert butyl alcohol	0.126	0.122	3.2	103	0.00
12 CM	1,1-Dichloroethene	0.558	0.553	0.9#	104	0.00
13 T	Acrolein	0.135	0.127	5.9	98	0.00
14 T	Allyl chloride	0.844	0.824	2.4	103	0.00
15 T	Acrylonitrile	0.312	0.313	-0.3	103	0.00
16 T	Acetone	0.258	0.246	4.7	104	0.00
17 T	Carbon Disulfide	1.544	1.580	-2.3	105	0.00
18 T	Methyl Acetate	0.723	0.664	8.2	103	0.00
19 T	Methyl tert-butyl Ether	1.899	1.906	-0.4	102	0.00
20 T	Methylene Chloride	0.682	0.646	5.3	105	0.00
21 T	trans-1,2-Dichloroethene	0.590	0.585	0.8	104	0.00
22 T	Diisopropyl ether	1.904	1.934	-1.6	103	0.00
23 T	Vinyl Acetate	1.431	1.457	-1.8	103	0.00
24 P	1,1-Dichloroethane	1.118	1.109	0.8	103	0.00
25 T	2-Butanone	0.399	0.401	-0.5	102	0.00
26 T	2,2-Dichloropropane	0.923	0.869	5.9	100	0.00
27 T	cis-1,2-Dichloroethene	0.724	0.722	0.3	104	0.00
28 T	Bromochloromethane	0.508	0.499	1.8	101	0.00
29 T	Tetrahydrofuran	0.261	0.266	-1.9	103	0.00
30 C	Chloroform	1.119	1.087	2.9#	102	0.00
31 T	Cyclohexane	1.037	0.983	5.2	103	0.00
32 T	1,1,1-Trichloroethane	0.944	0.941	0.3	102	0.00
33 S	1,2-Dichloroethane-d4	0.691	0.681	1.4	101	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	101	0.00
35 S	Dibromofluoromethane	0.298	0.303	-1.7	102	0.00
36 T	1,1-Dichloropropene	0.439	0.451	-2.7	105	0.00
37 T	Ethyl Acetate	0.444	0.446	-0.5	103	0.00
38 T	Carbon Tetrachloride	0.433	0.440	-1.6	103	0.00
39 T	Methylcyclohexane	0.475	0.494	-4.0	103	0.00
40 TM	Benzene	1.433	1.443	-0.7	104	0.00
41 T	Methacrylonitrile	0.240	0.245	-2.1	103	0.00
42 TM	1,2-Dichloroethane	0.446	0.447	-0.2	103	0.00
43 T	Isopropyl Acetate	0.889	0.807	9.2	106	0.00
44 TM	Trichloroethene	0.346	0.350	-1.2	103	0.00
45 C	1,2-Dichloropropane	0.340	0.344	-1.2#	103	0.00
46 T	Dibromomethane	0.230	0.231	-0.4	102	0.00
47 T	Bromodichloromethane	0.473	0.480	-1.5	103	0.00
48 T	Methyl methacrylate	0.345	0.356	-3.2	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
 Data File : VN086676.D
 Acq On : 16 May 2025 19:20
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN051625

Quant Time: May 17 00:49:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 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	0.008	-14.3	105	0.00
50 S	Toluene-d8	1.234	1.281	-3.8	103	0.00
51 T	4-Methyl-2-Pentanone	0.449	0.456	-1.6	102	0.00
52 CM	Toluene	0.891	0.915	-2.7#	104	0.00
53 T	t-1,3-Dichloropropene	0.501	0.525	-4.8	103	0.00
54 T	cis-1,3-Dichloropropene	0.547	0.562	-2.7	104	0.00
55 T	1,1,2-Trichloroethane	0.332	0.327	1.5	103	0.00
56 T	Ethyl methacrylate	0.533	0.572	-7.3	103	0.00
57 T	1,3-Dichloropropane	0.572	0.575	-0.5	103	0.00
58 T	2-Chloroethyl Vinyl ether	0.238	0.258	-8.4	101	0.00
59 T	2-Hexanone	0.328	0.342	-4.3	104	0.00
60 T	Dibromochloromethane	0.348	0.363	-4.3	105	0.00
61 T	1,2-Dibromoethane	0.334	0.338	-1.2	102	0.00
62 S	4-Bromofluorobenzene	0.436	0.468	-7.3	105	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
64 T	Tetrachloroethene	0.383	0.377	1.6	104	0.00
65 PM	Chlorobenzene	1.096	1.083	1.2	104	0.00
66 T	1,1,1,2-Tetrachloroethane	0.354	0.352	0.6	102	0.00
67 C	Ethyl Benzene	1.878	1.907	-1.5#	104	0.00
68 T	m/p-Xylenes	0.711	0.735	-3.4	104	0.00
69 T	o-Xylene	0.707	0.724	-2.4	102	0.00
70 T	Styrene	1.158	1.228	-6.0	104	0.00
71 P	Bromoform	0.252	0.269	-6.7	105	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73 T	Isopropylbenzene	3.862	3.653	5.4	104	0.00
74 T	N-amyl acetate	1.613	1.546	4.2	103	0.00
75 P	1,1,2,2-Tetrachloroethane	1.186	1.089	8.2	104	0.00
76 T	1,2,3-Trichloropropane	1.131	1.042	7.9	101	0.00
77 T	Bromobenzene	0.971	0.898	7.5	103	0.00
78 T	n-propylbenzene	4.432	4.344	2.0	104	0.00
79 T	2-Chlorotoluene	2.882	2.766	4.0	104	0.00
80 T	1,3,5-Trimethylbenzene	3.094	3.028	2.1	104	0.00
81 T	trans-1,4-Dichloro-2-butene	0.448	0.427	4.7	95	0.00
82 T	4-Chlorotoluene	2.855	2.748	3.7	104	0.00
83 T	tert-Butylbenzene	2.698	2.564	5.0	103	0.00
84 T	1,2,4-Trimethylbenzene	3.081	3.082	-0.0	104	0.00
85 T	sec-Butylbenzene	3.618	3.553	1.8	103	0.00
86 T	p-Isopropyltoluene	2.965	3.017	-1.8	104	0.00
87 T	1,3-Dichlorobenzene	1.682	1.644	2.3	103	0.00
88 T	1,4-Dichlorobenzene	1.667	1.652	0.9	105	0.00
89 T	n-Butylbenzene	2.458	2.550	-3.7	105	0.00
90 T	Hexachloroethane	0.492	0.498	-1.2	105	0.00
91 T	1,2-Dichlorobenzene	1.600	1.591	0.6	103	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.197	0.209	-6.1	105	0.00
93 T	1,2,4-Trichlorobenzene	0.675	0.707	-4.7	103	0.00
94 T	Hexachlorobutadiene	0.280	0.275	1.8	105	0.00
95 T	Naphthalene	2.345	2.456	-4.7	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086676.D
Acq On : 16 May 2025 19:20
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625

Quant Time: May 17 00:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 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	0.661	0.668	-1.1	103	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
 Data File : VN086676.D
 Acq On : 16 May 2025 19:20
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051625

Quant Time: May 17 00:49:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 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	103	0.00
2 T	Dichlorodifluoromethane	50.000	56.471	-12.9	105	0.00
3 P	Chloromethane	50.000	49.474	1.1	106	0.00
4 C	Vinyl Chloride	50.000	50.852	-1.7#	102	0.00
5 T	Bromomethane	50.000	48.959	2.1	105	0.00
6 T	Chloroethane	50.000	49.538	0.9	105	0.00
7 T	Trichlorofluoromethane	50.000	50.991	-2.0	104	0.00
8 T	Diethyl Ether	50.000	50.875	-1.8	105	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	51.278	-2.6	105	0.00
10 T	Methyl Iodide	50.000	51.814	-3.6	107	0.00
11 T	Tert butyl alcohol	250.000	243.079	2.8	103	0.00
12 CM	1,1-Dichloroethene	50.000	49.612	0.8#	104	0.00
13 T	Acrolein	250.000	236.906	5.2	98	0.00
14 T	Allyl chloride	50.000	48.833	2.3	103	0.00
15 T	Acrylonitrile	250.000	251.235	-0.5	103	0.00
16 T	Acetone	250.000	237.847	4.9	104	0.00
17 T	Carbon Disulfide	50.000	51.175	-2.3	105	0.00
18 T	Methyl Acetate	50.000	45.864	8.3	103	0.00
19 T	Methyl tert-butyl Ether	50.000	50.183	-0.4	102	0.00
20 T	Methylene Chloride	50.000	47.346	5.3	105	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.641	0.7	104	0.00
22 T	Diisopropyl ether	50.000	50.767	-1.5	103	0.00
23 T	Vinyl Acetate	250.000	254.501	-1.8	103	0.00
24 P	1,1-Dichloroethane	50.000	49.576	0.8	103	0.00
25 T	2-Butanone	250.000	250.854	-0.3	102	0.00
26 T	2,2-Dichloropropane	50.000	47.102	5.8	100	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.878	0.2	104	0.00
28 T	Bromochloromethane	50.000	49.112	1.8	101	0.00
29 T	Tetrahydrofuran	250.000	254.994	-2.0	103	0.00
30 C	Chloroform	50.000	48.554	2.9#	102	0.00
31 T	Cyclohexane	50.000	47.383	5.2	103	0.00
32 T	1,1,1-Trichloroethane	50.000	49.842	0.3	102	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.261	1.5	101	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	101	0.00
35 S	Dibromofluoromethane	50.000	50.868	-1.7	102	0.00
36 T	1,1-Dichloropropene	50.000	51.379	-2.8	105	0.00
37 T	Ethyl Acetate	50.000	50.247	-0.5	103	0.00
38 T	Carbon Tetrachloride	50.000	50.871	-1.7	103	0.00
39 T	Methylcyclohexane	50.000	51.961	-3.9	103	0.00
40 TM	Benzene	50.000	50.369	-0.7	104	0.00
41 T	Methacrylonitrile	50.000	51.153	-2.3	103	0.00
42 TM	1,2-Dichloroethane	50.000	50.029	-0.1	103	0.00
43 T	Isopropyl Acetate	50.000	45.341	9.3	106	0.00
44 TM	Trichloroethene	50.000	50.647	-1.3	103	0.00
45 C	1,2-Dichloropropane	50.000	50.475	-1.0#	103	0.00
46 T	Dibromomethane	50.000	50.246	-0.5	102	0.00
47 T	Bromodichloromethane	50.000	50.719	-1.4	103	0.00
48 T	Methyl methacrylate	50.000	51.620	-3.2	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
 Data File : VN086676.D
 Acq On : 16 May 2025 19:20
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN051625

Quant Time: May 17 00:49:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 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	1064.544	-6.5	105	0.00
50 S	Toluene-d8	50.000	51.886	-3.8	103	0.00
51 T	4-Methyl-2-Pentanone	250.000	253.963	-1.6	102	0.00
52 CM	Toluene	50.000	51.401	-2.8#	104	0.00
53 T	t-1,3-Dichloropropene	50.000	52.432	-4.9	103	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.351	-2.7	104	0.00
55 T	1,1,2-Trichloroethane	50.000	49.290	1.4	103	0.00
56 T	Ethyl methacrylate	50.000	53.596	-7.2	103	0.00
57 T	1,3-Dichloropropane	50.000	50.196	-0.4	103	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	270.990	-8.4	101	0.00
59 T	2-Hexanone	250.000	260.961	-4.4	104	0.00
60 T	Dibromochloromethane	50.000	52.080	-4.2	105	0.00
61 T	1,2-Dibromoethane	50.000	50.647	-1.3	102	0.00
62 S	4-Bromofluorobenzene	50.000	53.653	-7.3	105	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	101	0.00
64 T	Tetrachloroethene	50.000	49.218	1.6	104	0.00
65 PM	Chlorobenzene	50.000	49.389	1.2	104	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	49.660	0.7	102	0.00
67 C	Ethyl Benzene	50.000	50.773	-1.5#	104	0.00
68 T	m/p-Xylenes	100.000	103.321	-3.3	104	0.00
69 T	o-Xylene	50.000	51.191	-2.4	102	0.00
70 T	Styrene	50.000	53.030	-6.1	104	0.00
71 P	Bromoform	50.000	53.523	-7.0	105	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73 T	Isopropylbenzene	50.000	47.295	5.4	104	0.00
74 T	N-amyl acetate	50.000	47.905	4.2	103	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	45.885	8.2	104	0.00
76 T	1,2,3-Trichloropropane	50.000	46.088	7.8	101	0.00
77 T	Bromobenzene	50.000	46.220	7.6	103	0.00
78 T	n-propylbenzene	50.000	49.006	2.0	104	0.00
79 T	2-Chlorotoluene	50.000	48.004	4.0	104	0.00
80 T	1,3,5-Trimethylbenzene	50.000	48.940	2.1	104	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	47.700	4.6	95	0.00
82 T	4-Chlorotoluene	50.000	48.122	3.8	104	0.00
83 T	tert-Butylbenzene	50.000	47.509	5.0	103	0.00
84 T	1,2,4-Trimethylbenzene	50.000	50.014	-0.0	104	0.00
85 T	sec-Butylbenzene	50.000	49.105	1.8	103	0.00
86 T	p-Isopropyltoluene	50.000	50.868	-1.7	104	0.00
87 T	1,3-Dichlorobenzene	50.000	48.877	2.2	103	0.00
88 T	1,4-Dichlorobenzene	50.000	49.573	0.9	105	0.00
89 T	n-Butylbenzene	50.000	51.865	-3.7	105	0.00
90 T	Hexachloroethane	50.000	50.631	-1.3	105	0.00
91 T	1,2-Dichlorobenzene	50.000	49.729	0.5	103	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	53.253	-6.5	105	0.00
93 T	1,2,4-Trichlorobenzene	50.000	52.378	-4.8	103	0.00
94 T	Hexachlorobutadiene	50.000	49.090	1.8	105	0.00
95 T	Naphthalene	50.000	52.378	-4.8	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086676.D
Acq On : 16 May 2025 19:20
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625

Quant Time: May 17 00:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 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	50.497	-1.0	103	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: ENTA05

Lab Code: CHEM Case No.: Q2079 SAS No.: Q2079 SDG No.: Q2079

Instrument ID: MSVOA_N Calibration Date/Time: 05/21/2025 11:10

Lab File ID: VN086722.D Init. Calib. Date(s): 05/16/2025 05/16/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 16:31 18:32

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.733	0.782		6.68	20
1,1-Dichloroethene	0.558	0.579		3.76	20
2-Butanone	0.399	0.400		0.25	20
Carbon Tetrachloride	0.433	0.457		5.54	20
Chloroform	1.119	1.149		2.68	20
Benzene	1.433	1.494		4.26	20
1,2-Dichloroethane	0.446	0.453		1.57	20
Trichloroethene	0.346	0.363		4.91	20
Tetrachloroethene	0.383	0.414		8.09	20
Chlorobenzene	1.096	1.139	0.3	3.92	20
1,2-Dichloroethane-d4	0.691	0.701		1.45	20
Dibromofluoromethane	0.298	0.307		3.02	20
Toluene-d8	1.234	1.283		3.97	20
4-Bromofluorobenzene	0.436	0.470		7.57	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\VN052125\
 Data File : VN086722.D
 Acq On : 21 May 2025 11:10
 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

05/22/2025
 Supervised By :Mahesh
 Dadoda

Quant Time: May 22 01:18:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	182299	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	331408	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	299657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	144979	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127804	50.735	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.480%	
35) Dibromofluoromethane	8.165	113	101679	51.518	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.040%	
50) Toluene-d8	10.565	98	425210	51.988	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.980%	
62) 4-Bromofluorobenzene	12.847	95	155596	53.877	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.760%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	115898	58.870	ug/l	99
3) Chloromethane	2.359	50	155389	52.184	ug/l	99
4) Vinyl Chloride	2.512	62	142605	53.325	ug/l	95
5) Bromomethane	2.953	94	75054	48.684	ug/l	95
6) Chloroethane	3.118	64	89611	51.152	ug/l	99
7) Trichlorofluoromethane	3.500	101	169235	52.954	ug/l	94
8) Diethyl Ether	3.959	74	69530	52.665	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	104228	54.477	ug/l	99
10) Methyl Iodide	4.583	142	114697	48.193	ug/l	98
11) Tert butyl alcohol	5.512	59	104653	228.112	ug/l	100
12) 1,1-Dichloroethene	4.342	96	105531	51.901	ug/l	96
13) Acrolein	4.177	56	128968	262.961	ug/l	98
14) Allyl chloride	5.024	41	161817	52.579	ug/l	97
15) Acrylonitrile	5.712	53	292576	257.566	ug/l	100
16) Acetone	4.418	43	220911	234.441	ug/l	98
17) Carbon Disulfide	4.712	76	299879	53.269	ug/l	100
18) Methyl Acetate	5.018	43	127415	48.312	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	361423	52.203	ug/l	99
20) Methylene Chloride	5.277	84	123862	49.812	ug/l	97
21) trans-1,2-Dichloroethene	5.789	96	112592	52.374	ug/l	100
22) Diisopropyl ether	6.665	45	373109	53.737	ug/l	98
23) Vinyl Acetate	6.600	43	1363220	261.239	ug/l	100
24) 1,1-Dichloroethane	6.565	63	213270	52.317	ug/l	99
25) 2-Butanone	7.477	43	364333	250.212	ug/l	100
26) 2,2-Dichloropropane	7.488	77	180472	53.646	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	135427	51.323	ug/l	98
28) Bromochloromethane	7.812	49	93646	50.562	ug/l	99
29) Tetrahydrofuran	7.835	42	241092	253.670	ug/l	98
30) Chloroform	7.959	83	209502	51.346	ug/l	98
31) Cyclohexane	8.253	56	190712	50.444	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	177954	51.729	ug/l	100
36) 1,1-Dichloropropene	8.371	75	154110	52.936	ug/l	99
37) Ethyl Acetate	7.553	43	143549	48.813	ug/l	99
38) Carbon Tetrachloride	8.359	117	151468	52.805	ug/l	99
39) Methylcyclohexane	9.600	83	172177	54.644	ug/l	99
40) Benzene	8.600	78	495006	52.122	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
 Data File : VN086722.D
 Acq On : 21 May 2025 11:10
 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

05/22/2025
 Supervised By :Mahesh
 Dadoda

Quant Time: May 22 01:18:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	80906	50.954	ug/l	98
42) 1,2-Dichloroethane	8.665	62	150262	50.786	ug/l	99
43) Isopropyl Acetate	8.682	43	255716	43.376	ug/l	98
44) Trichloroethene	9.347	130	120144	52.450	ug/l	96
45) 1,2-Dichloropropane	9.618	63	120516	53.419	ug/l	99
46) Dibromomethane	9.706	93	78413	51.509	ug/l	98
47) Bromodichloromethane	9.882	83	166192	52.985	ug/l	98
48) Methyl methacrylate	9.676	41	116487	50.991	ug/l	98
49) 1,4-Dioxane	9.688	88	48790	1008.620	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	745520	250.764	ug/l	100
52) Toluene	10.629	92	308943	52.340	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	179673	54.103	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	195518	53.933	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	111715	50.737	ug/l	99
56) Ethyl methacrylate	10.871	69	187535	53.047	ug/l	99
57) 1,3-Dichloropropane	11.159	76	196369	51.768	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	418673	264.980	ug/l	98
59) 2-Hexanone	11.194	43	545131	251.092	ug/l	100
60) Dibromochloromethane	11.359	129	122673	53.161	ug/l	100
61) 1,2-Dibromoethane	11.465	107	113240	51.179	ug/l	99
64) Tetrachloroethene	11.100	164	124195	54.103	ug/l	99
65) Chlorobenzene	11.888	112	341449	51.963	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	110321	52.007	ug/l	99
67) Ethyl Benzene	11.959	91	594704	52.840	ug/l	99
68) m/p-Xylenes	12.065	106	462041	108.385	ug/l	99
69) o-Xylene	12.394	106	224490	52.969	ug/l	98
70) Styrene	12.406	104	381112	54.925	ug/l	99
71) Bromoform	12.576	173	79171	52.479	ug/l #	99
73) Isopropylbenzene	12.694	105	542341	48.435	ug/l	99
74) N-amyl acetate	12.488	43	221086	47.257	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	154756	44.987	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	150303m	45.840	ug/l	
77) Bromobenzene	12.976	156	131191	46.577	ug/l	99
78) n-propylbenzene	13.029	91	654516	50.935	ug/l	99
79) 2-Chlorotoluene	13.123	91	408385	48.878	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	456764	50.915	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	67662	52.078	ug/l	93
82) 4-Chlorotoluene	13.217	91	414638	50.091	ug/l	98
83) tert-Butylbenzene	13.435	119	382099	48.840	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	463485	51.881	ug/l	99
85) sec-Butylbenzene	13.612	105	546759	52.121	ug/l	100
86) p-Isopropyltoluene	13.723	119	460296	53.531	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	249485	51.150	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	250982	51.935	ug/l	98
89) n-Butylbenzene	14.053	91	393778	55.241	ug/l	100
90) Hexachloroethane	14.329	117	74662	52.332	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	237916	51.284	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28181	49.451	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	105110	53.676	ug/l	100
94) Hexachlorobutadiene	15.500	225	42304	52.069	ug/l	98
95) Naphthalene	15.635	128	336451	49.483	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	98958	51.603	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
Data File : VN086722.D
Acq On : 21 May 2025 11:10
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

05/22/2025
Supervised By :Mahesh
Dadoda

05/22/2025

Quant Time: May 22 01:18:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 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\VN052125\
Data File : VN086722.D
Acq On : 21 May 2025 11:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

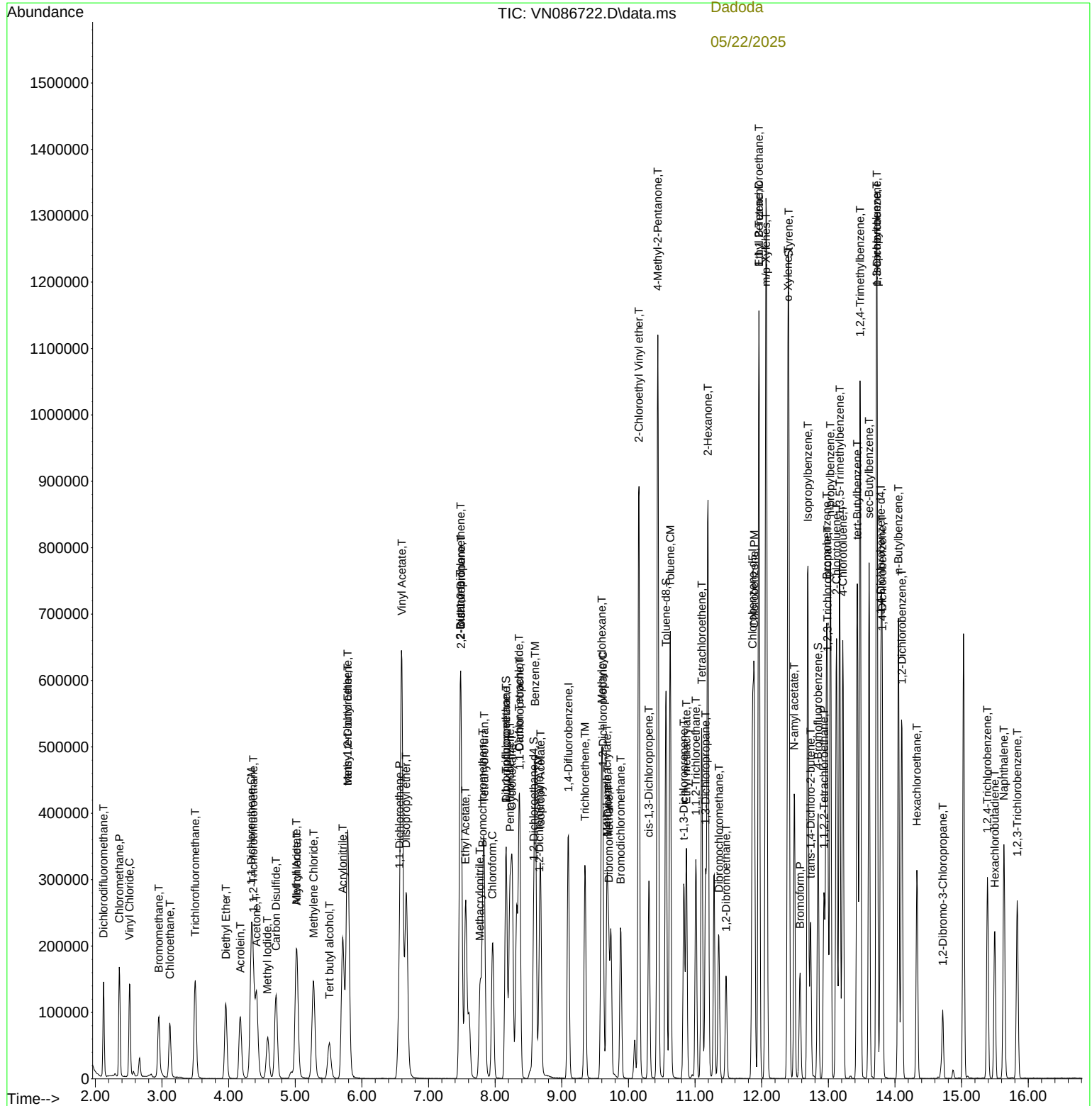
Manual Integrations

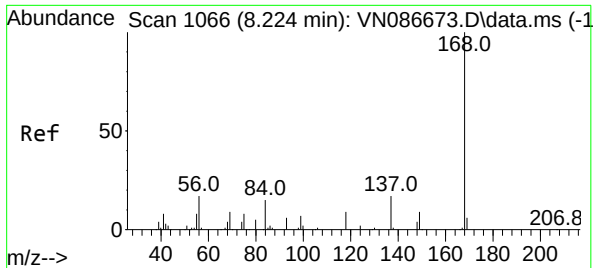
Reviewed By :John
Carlone

05/22/2025
Supervised By :Mahesh
Dadoda

05/22/2025

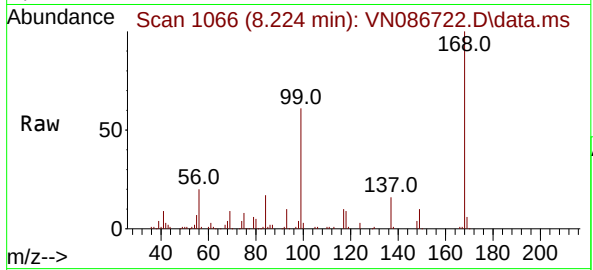
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



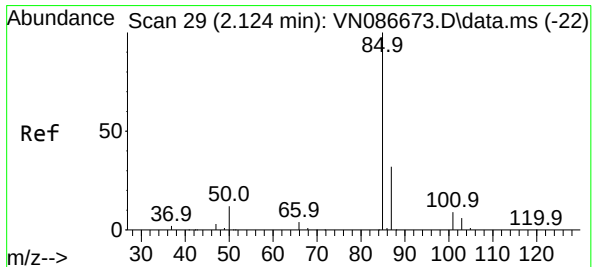
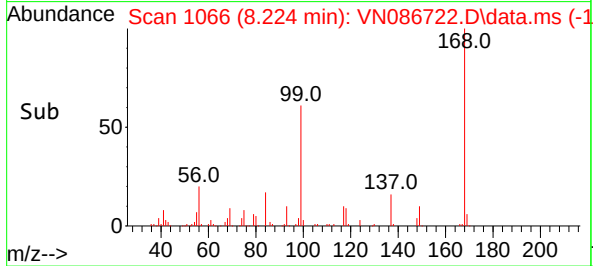
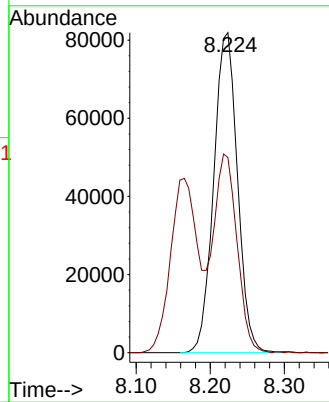
Tgt Ion:168 Resp: 182299
Ion Ratio Lower Upper
168 100
99 60.8 47.0 70.4

Manual Integrations
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Reviewed By :John
Carlone

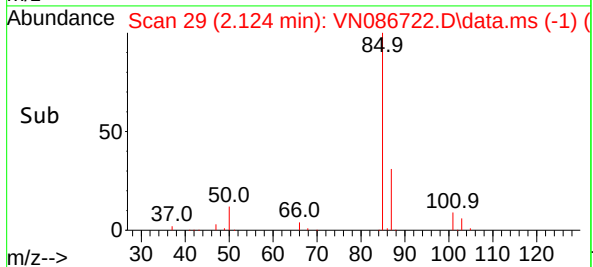
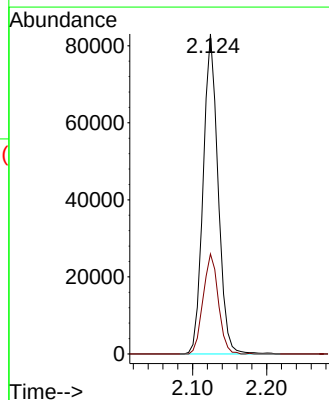
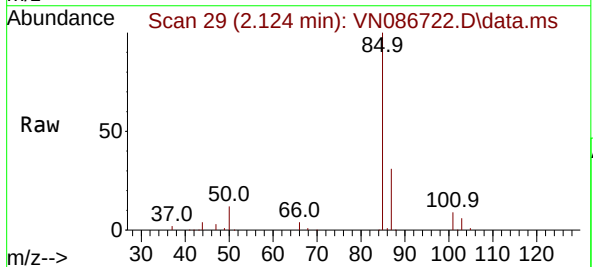
05/22/2025
Supervised By :Mahesh
Dadoda

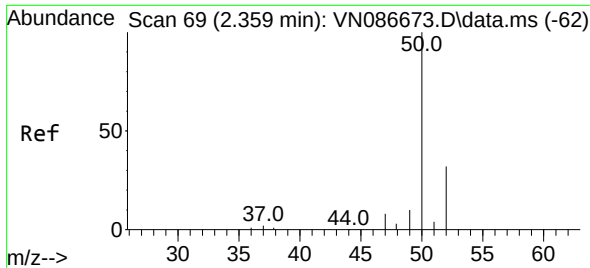
05/22/2025



#2
Dichlorodifluoromethane
Concen: 58.870 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

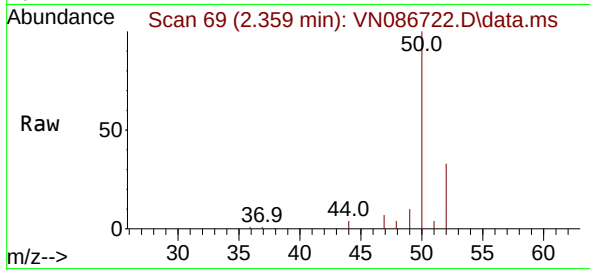
Tgt Ion: 85 Resp: 115898
Ion Ratio Lower Upper
85 100
87 31.2 15.9 47.6





#3
Chloromethane
Concen: 52.184 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



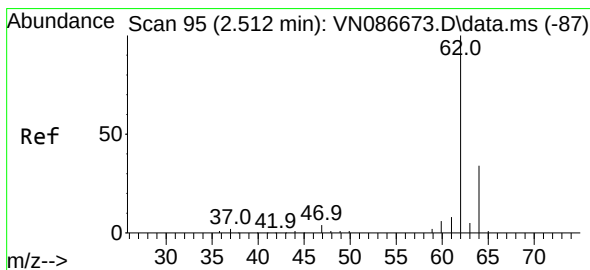
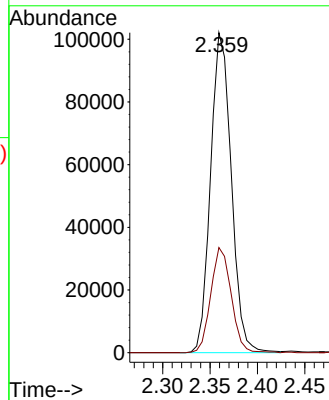
Tgt Ion: 50 Resp: 155389
Ion Ratio Lower Upper
50 100
52 32.9 25.9 38.9

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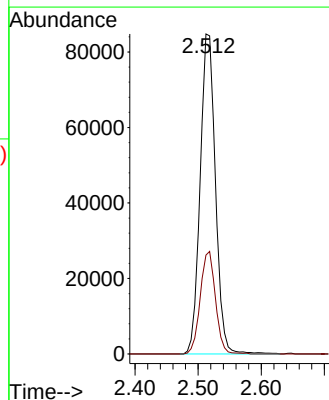
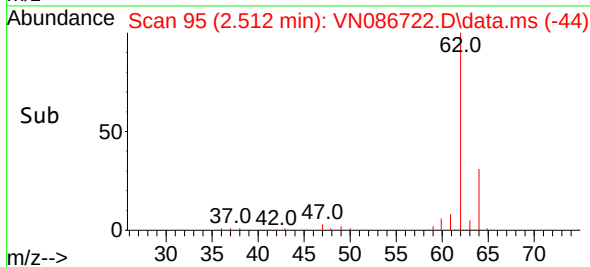
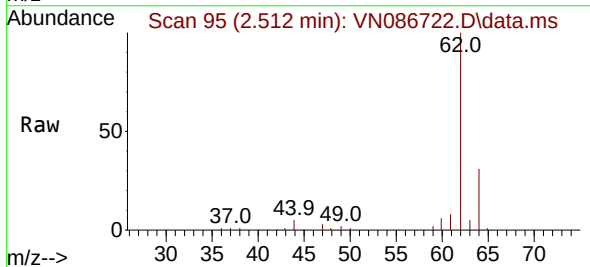
05/22/2025
Supervised By :Mahesh
Dadoda

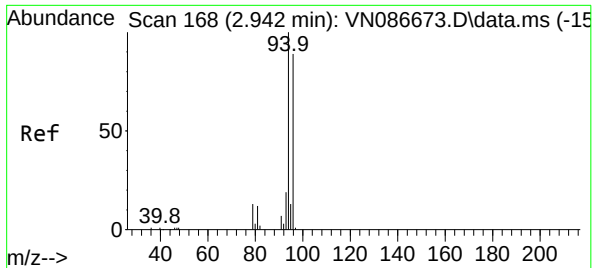
05/22/2025



#4
Vinyl Chloride
Concen: 53.325 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

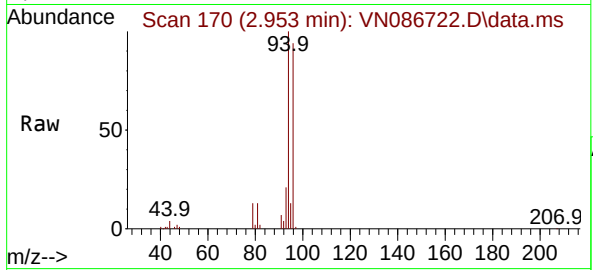
Tgt Ion: 62 Resp: 142605
Ion Ratio Lower Upper
62 100
64 30.9 26.9 40.3





#5
Bromomethane
Concen: 48.684 ug/l
RT: 2.953 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



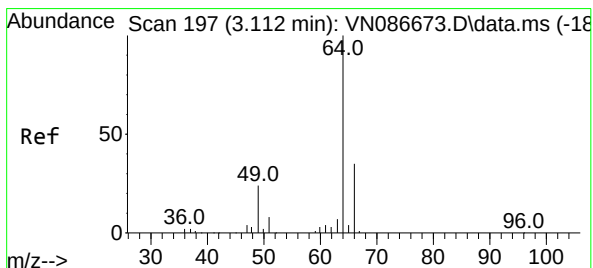
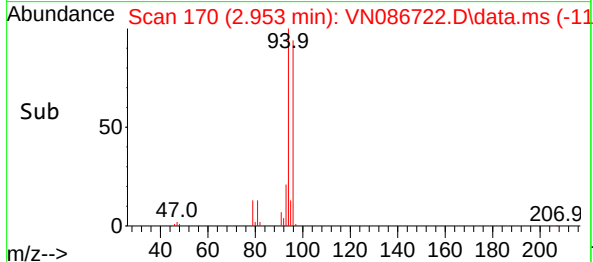
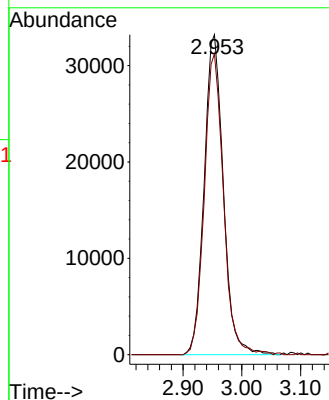
Tgt Ion: 94 Resp: 75054
Ion Ratio Lower Upper
94 100
96 94.0 71.2 106.8

Manual Integrations
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Reviewed By :John
Carlone

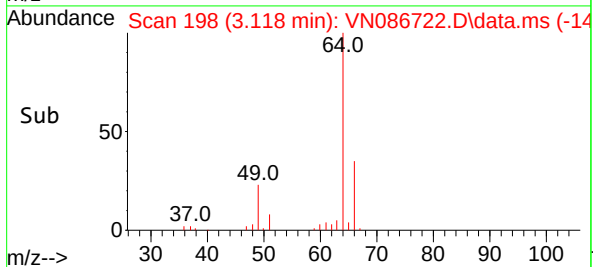
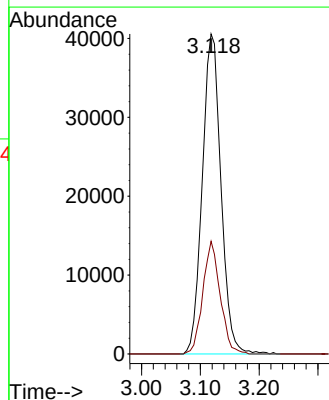
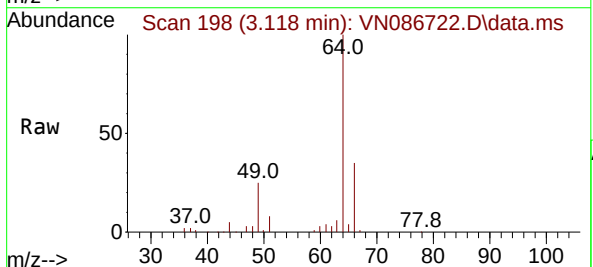
05/22/2025
Supervised By :Mahesh
Dadoda

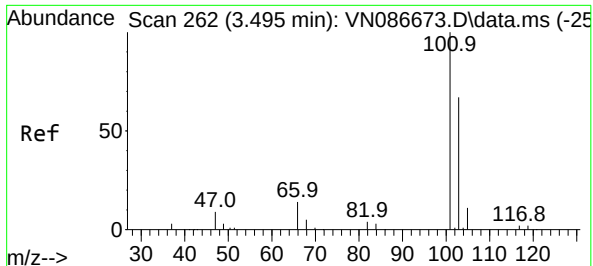
05/22/2025



#6
Chloroethane
Concen: 51.152 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

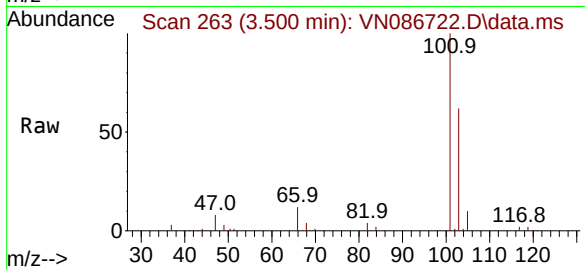
Tgt Ion: 64 Resp: 89611
Ion Ratio Lower Upper
64 100
66 35.2 27.7 41.5





#7
Trichlorofluoromethane
Concen: 52.954 ug/l
RT: 3.500 min Scan# 263
Delta R.T. 0.006 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



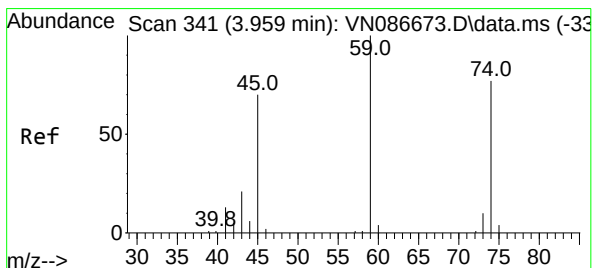
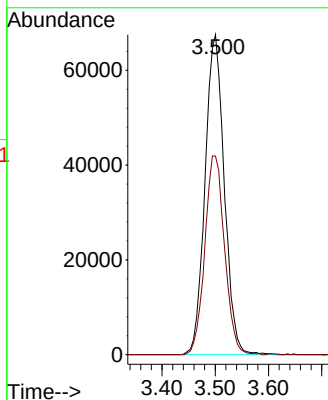
Tgt Ion:101 Resp: 169235
Ion Ratio Lower Upper
101 100
103 62.0 53.4 80.0

Manual Integrations
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Reviewed By :John
Carlone

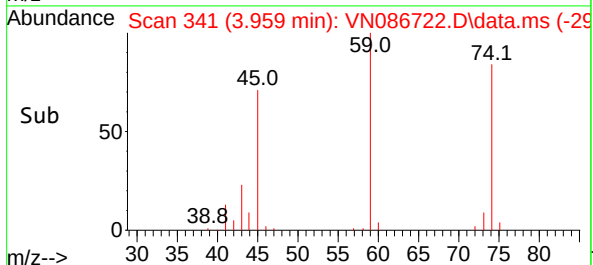
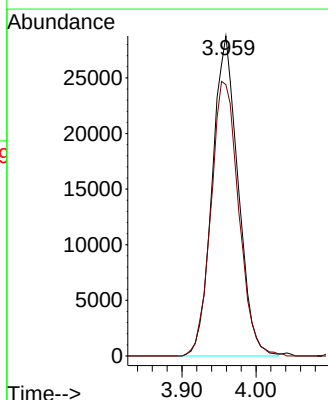
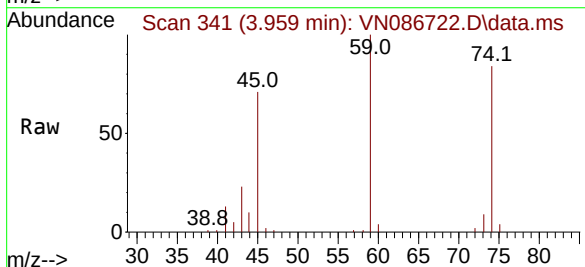
05/22/2025
Supervised By :Mahesh
Dadoda

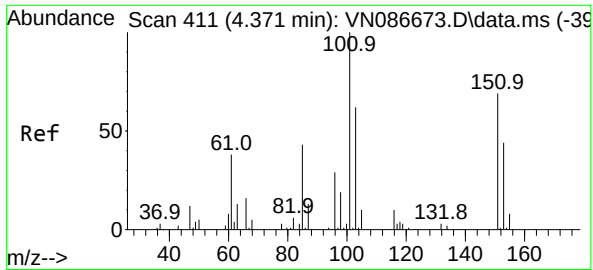
05/22/2025



#8
Diethyl Ether
Concen: 52.665 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Tgt Ion: 74 Resp: 69530
Ion Ratio Lower Upper
74 100
45 92.1 45.0 135.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.477 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

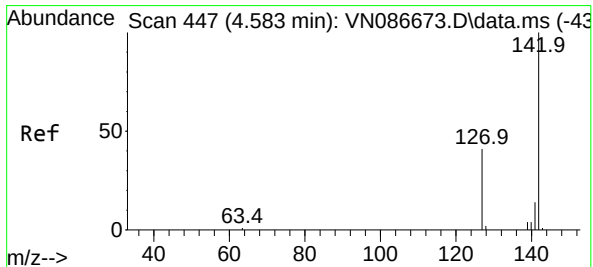
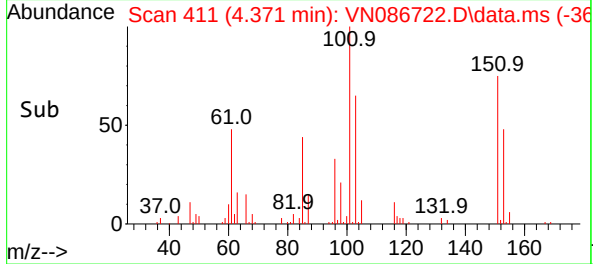
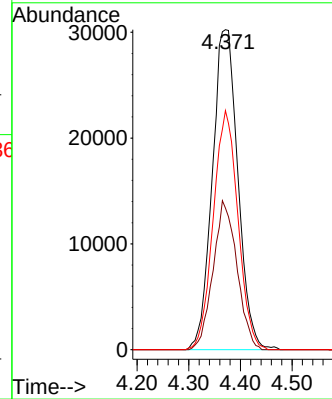
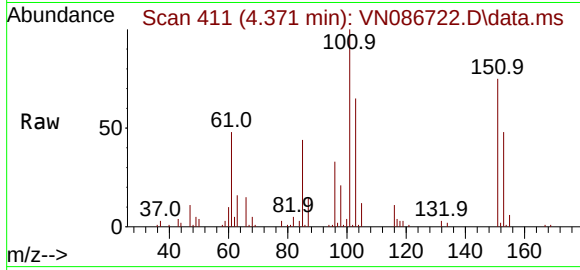
Tgt Ion:101 Resp: 104228
Ion Ratio Lower Upper
101 100
85 43.4 35.0 52.6
151 71.9 58.1 87.1

Manual Integrations
APPROVED

Reviewed By :John
Carlone

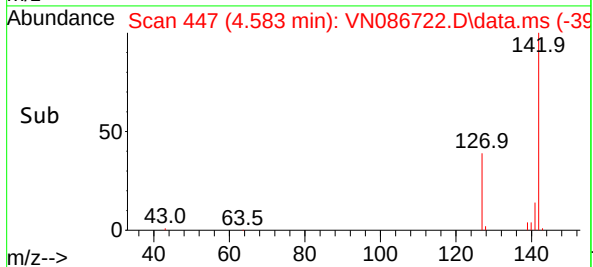
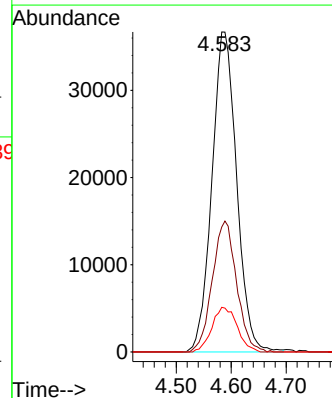
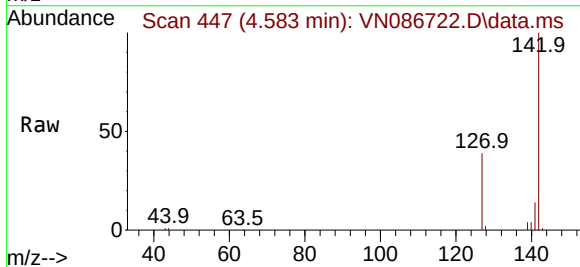
05/22/2025
Supervised By :Mahesh
Dadoda

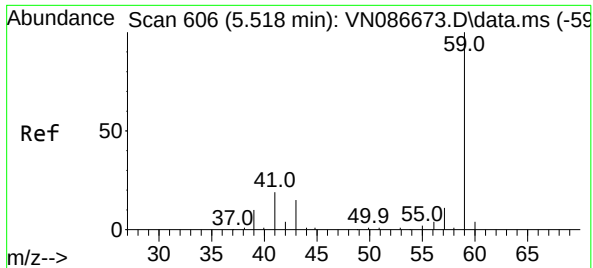
05/22/2025



#10
Methyl Iodide
Concen: 48.193 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Tgt Ion:142 Resp: 114697
Ion Ratio Lower Upper
142 100
127 39.1 32.4 48.6
141 13.9 11.4 17.2





#11

Tert butyl alcohol

Concen: 228.112 ug/l

RT: 5.512 min Scan# 606

Delta R.T. -0.006 min

Lab File: VN086722.D

Acq: 21 May 2025 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 10465

Ion Ratio Lower Upper

59 100

57 10.2 8.2 12.2

Manual Integrations

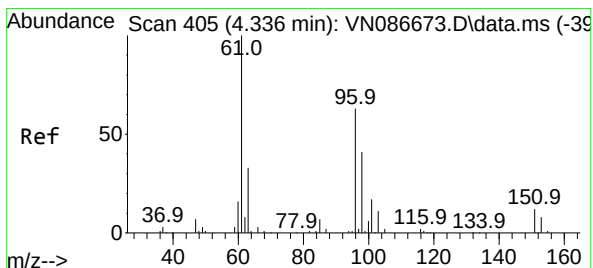
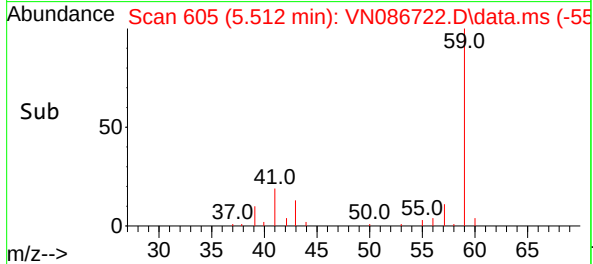
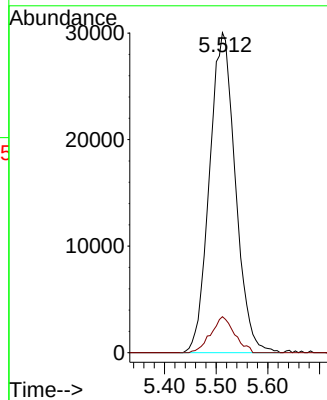
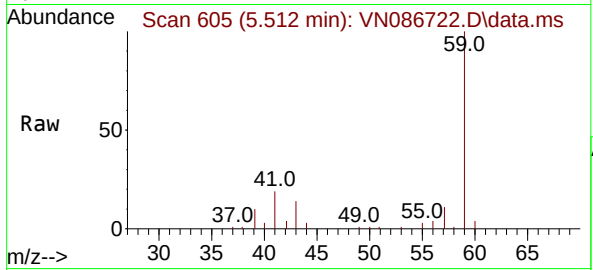
APPROVED

Reviewed By :John
Carlone

05/22/2025

Supervised By :Mahesh
Dadoda

05/22/2025



#12

1,1-Dichloroethene

Concen: 51.901 ug/l

RT: 4.342 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN086722.D

Acq: 21 May 2025 11:10

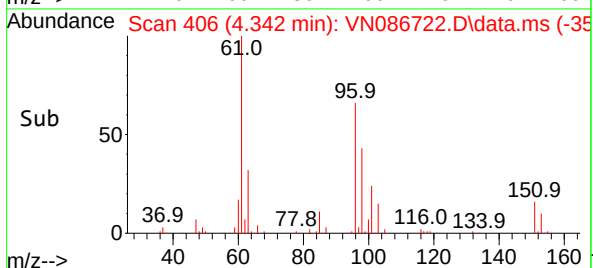
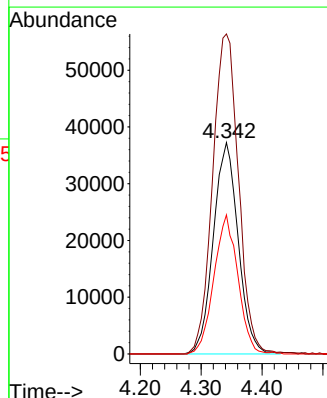
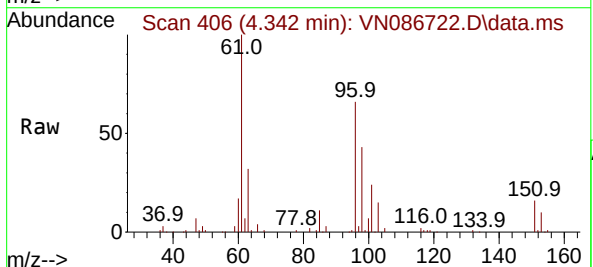
Tgt Ion: 96 Resp: 105531

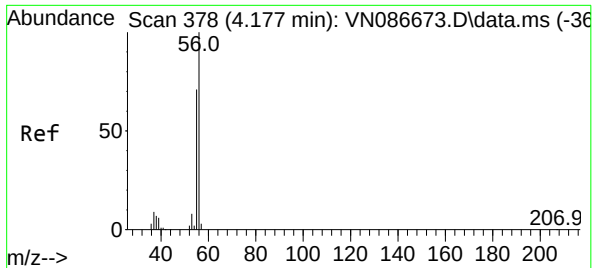
Ion Ratio Lower Upper

96 100

61 151.4 126.2 189.2

98 65.8 51.5 77.3





#13

Acrolein

Concen: 262.961 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN086722.D

Acq: 21 May 2025 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 12896

Ion Ratio Lower Upper

56 100

55 68.0 55.7 83.5

Manual Integrations

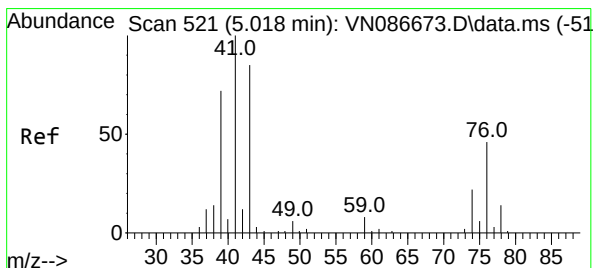
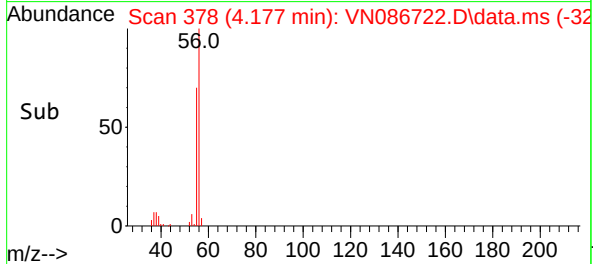
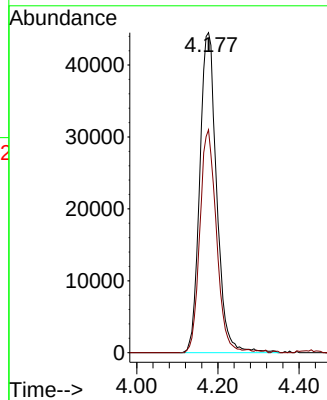
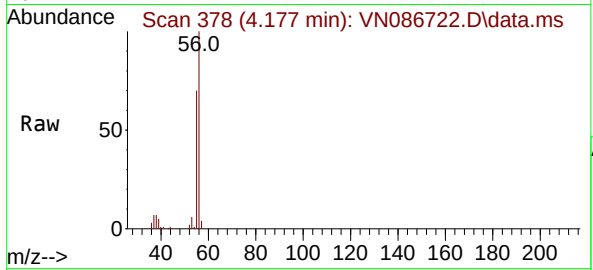
APPROVED

Reviewed By :John
Carlone

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Supervised By :Mahesh
Dadoda

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#14

Allyl chloride

Concen: 52.579 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN086722.D

Acq: 21 May 2025 11:10

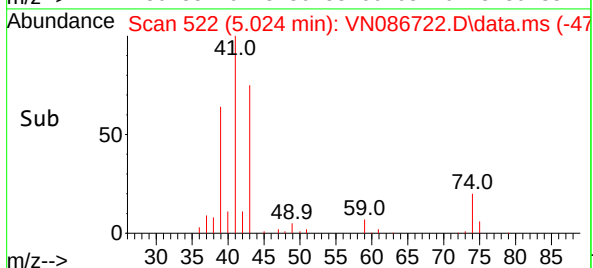
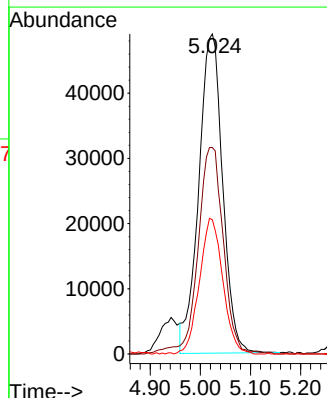
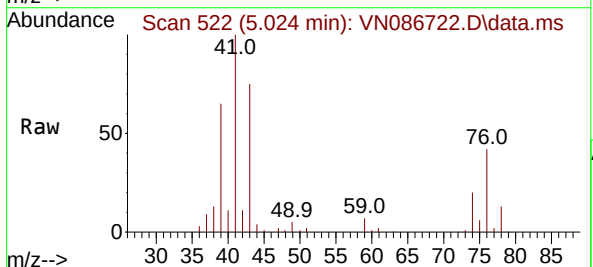
Tgt Ion: 41 Resp: 161817

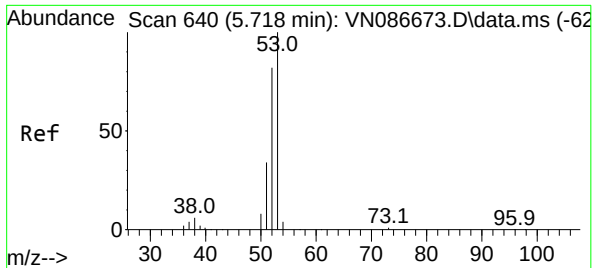
Ion Ratio Lower Upper

41 100

39 68.3 57.4 86.0

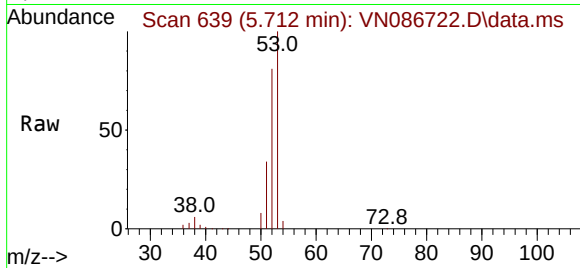
76 41.6 33.2 49.8





#15
Acrylonitrile
Concen: 257.566 ug/l
RT: 5.712 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



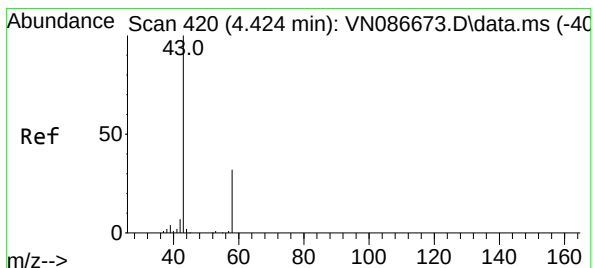
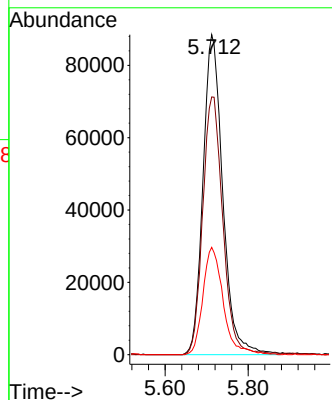
Tgt Ion: 53 Resp: 292570
Ion Ratio Lower Upper
53 100
52 81.6 65.4 98.2
51 34.5 27.9 41.9

Manual Integrations
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Reviewed By :John
Carlone

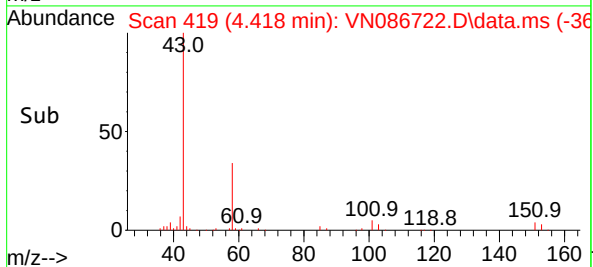
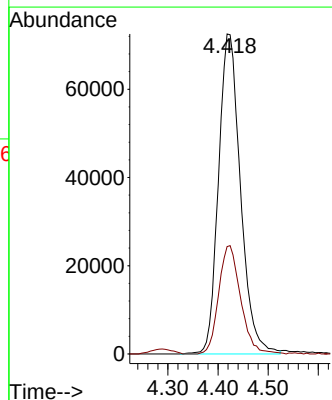
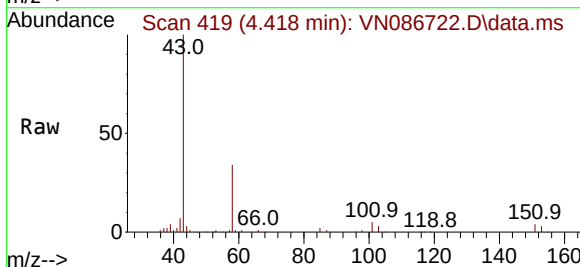
05/22/2025
Supervised By :Mahesh
Dadoda

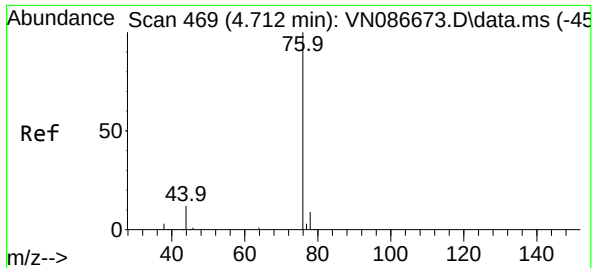
05/22/2025



#16
Acetone
Concen: 234.441 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

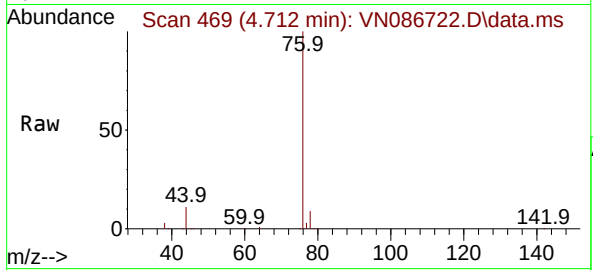
Tgt Ion: 43 Resp: 220911
Ion Ratio Lower Upper
43 100
58 33.2 25.8 38.6





#17
Carbon Disulfide
Concen: 53.269 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



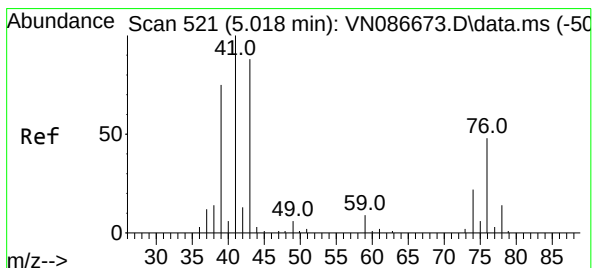
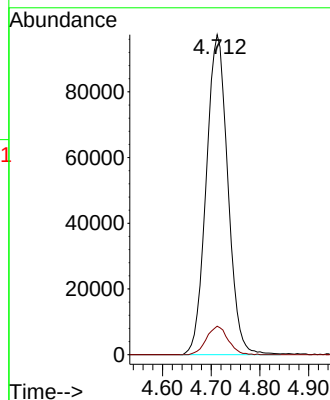
Tgt Ion: 76 Resp: 299879
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9

Manual Integrations
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Reviewed By :John
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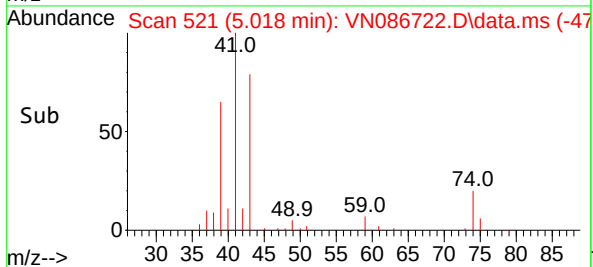
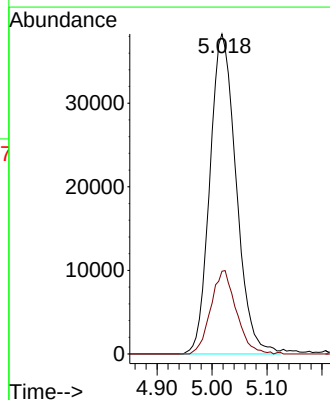
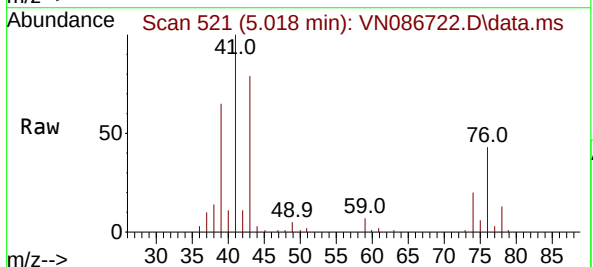
05/22/2025
Supervised By :Mahesh
Dadoda

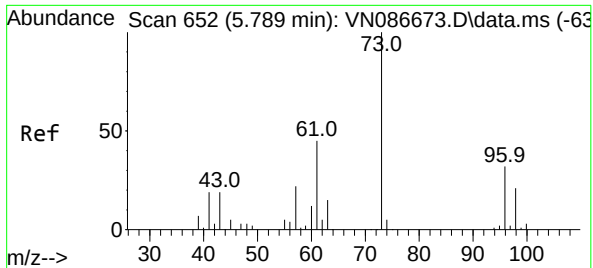
05/22/2025



#18
Methyl Acetate
Concen: 48.312 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Tgt Ion: 43 Resp: 127415
Ion Ratio Lower Upper
43 100
74 25.2 20.5 30.7





#19
Methyl tert-butyl Ether
Concen: 52.203 ug/l
RT: 5.789 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

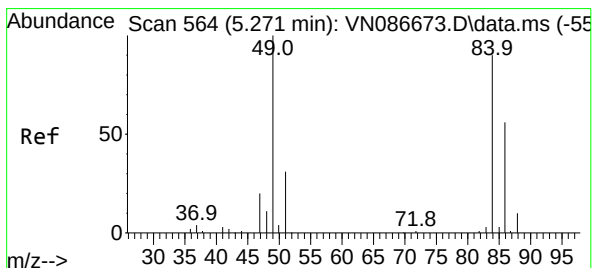
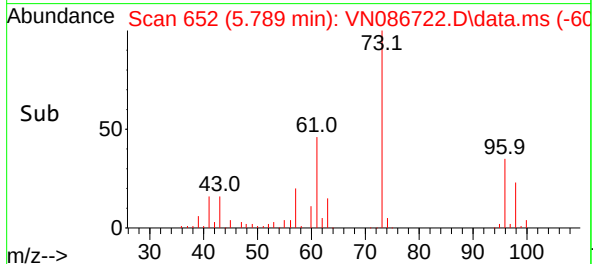
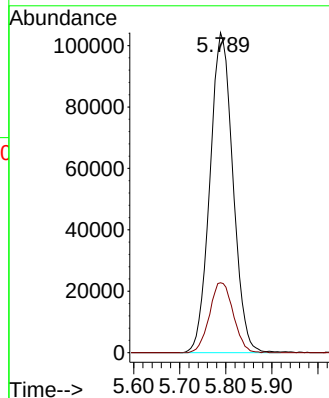
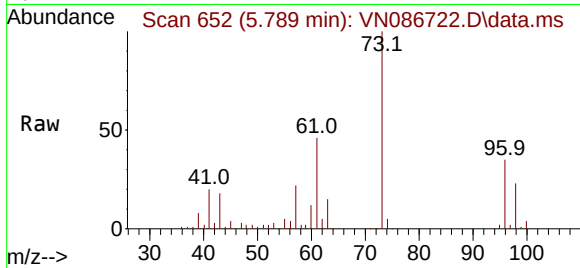
Tgt Ion: 73 Resp: 36142
Ion Ratio Lower Upper
73 100
57 21.9 17.7 26.5

Manual Integrations
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Reviewed By :John
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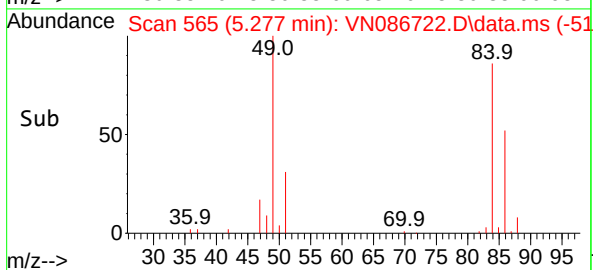
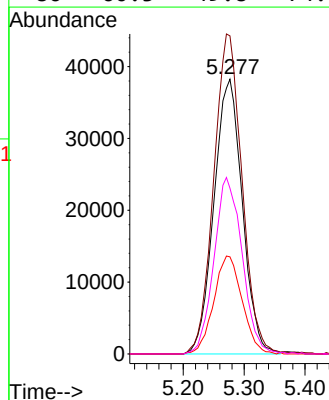
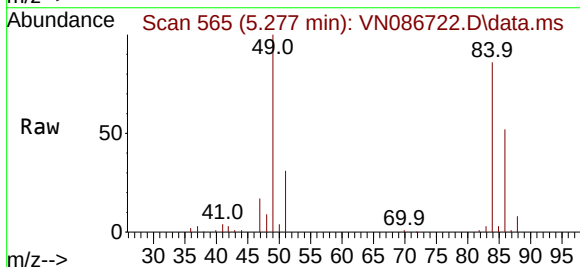
05/22/2025
Supervised By :Mahesh
Dadoda

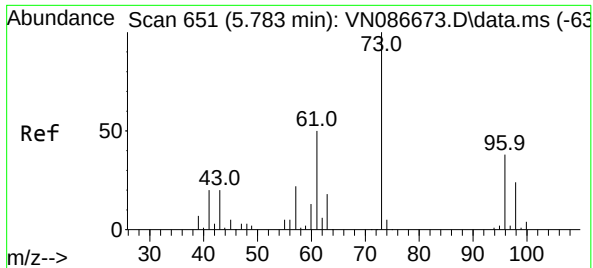
05/22/2025



#20
Methylene Chloride
Concen: 49.812 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

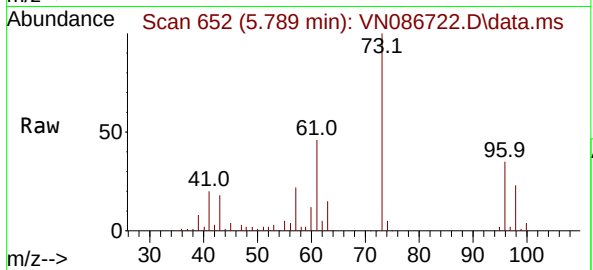
Tgt Ion: 84 Resp: 123862
Ion Ratio Lower Upper
84 100
49 115.8 88.8 133.2
51 35.4 27.8 41.6
86 60.3 49.8 74.6





#21
trans-1,2-Dichloroethene
Concen: 52.374 ug/l
RT: 5.789 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



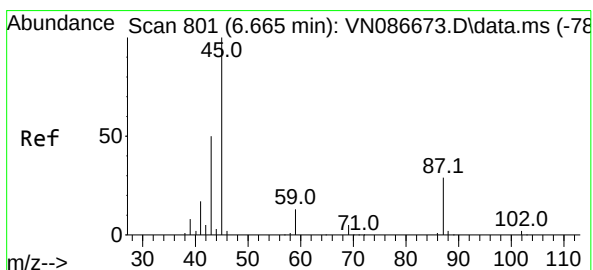
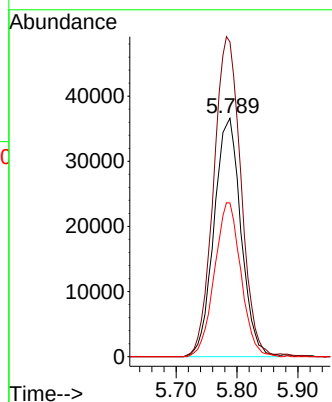
Tgt Ion: 96 Resp: 112592
Ion Ratio Lower Upper
96 100
61 132.0 105.7 158.5
98 64.5 51.0 76.6

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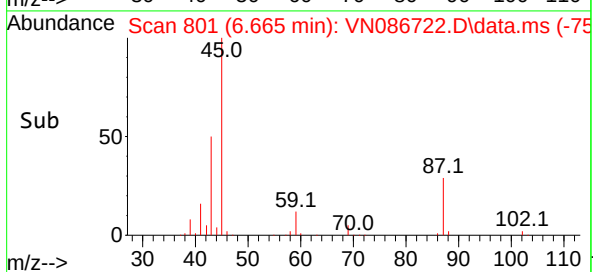
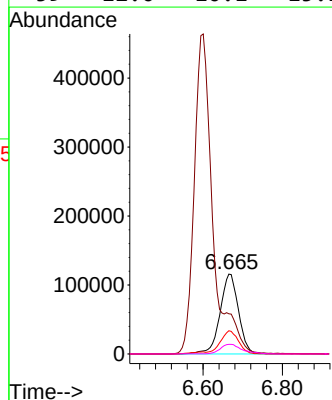
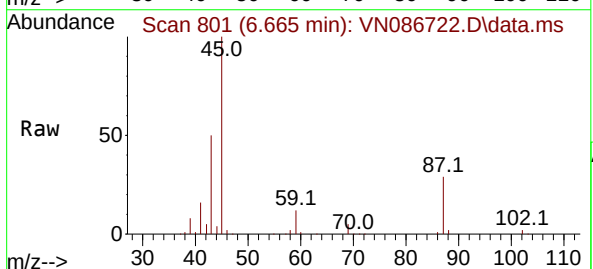
05/22/2025
Supervised By :Mahesh
Dadoda

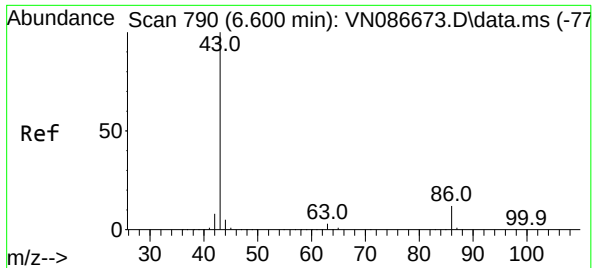
05/22/2025



#22
Diisopropyl ether
Concen: 53.737 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Tgt Ion: 45 Resp: 373109
Ion Ratio Lower Upper
45 100
43 49.8 41.4 62.2
87 29.2 22.9 34.3
59 12.0 10.1 15.1





#23
 Vinyl Acetate
 Concen: 261.239 ug/l
 RT: 6.600 min Scan# 790
 Delta R.T. -0.000 min
 Lab File: VN086722.D
 Acq: 21 May 2025 11:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

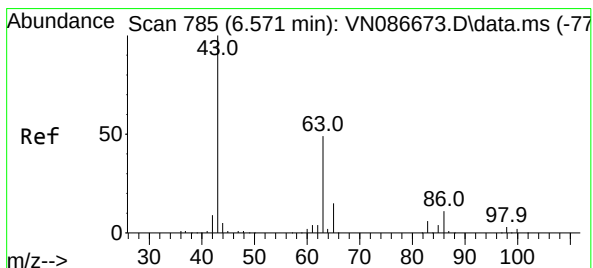
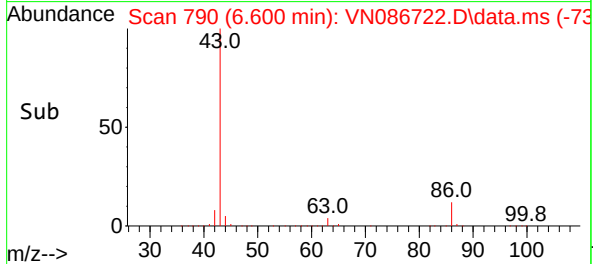
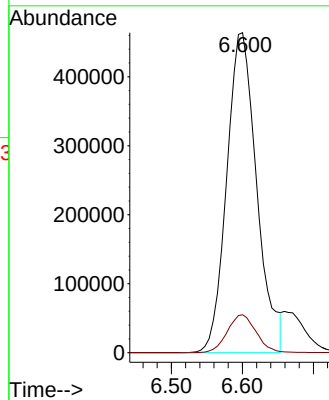
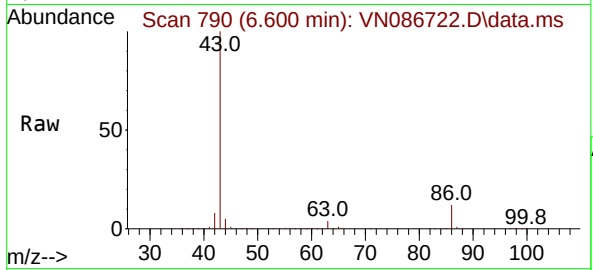
Tgt Ion: 43 Resp: 1363220
 Ion Ratio Lower Upper
 43 100
 86 11.9 9.5 14.3

Manual Integrations
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Reviewed By :John
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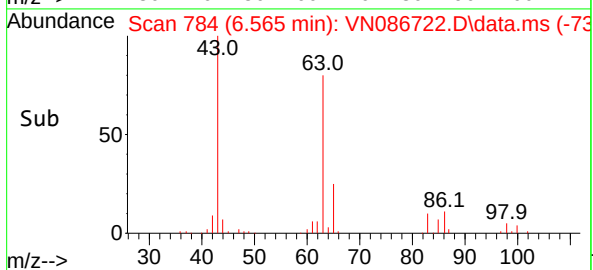
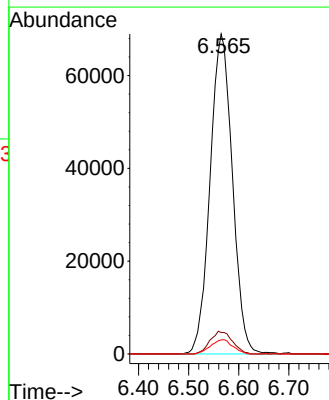
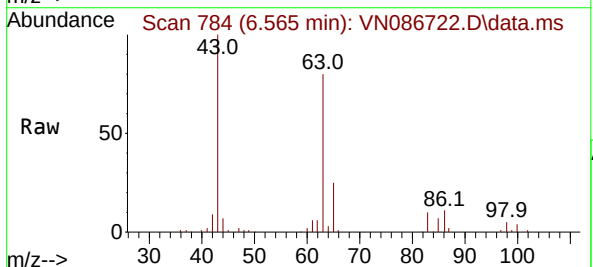
05/22/2025
 Supervised By :Mahesh
 Dadoda

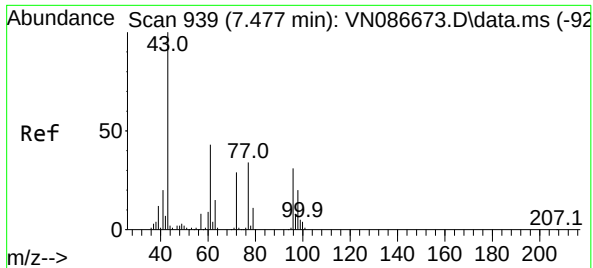
05/22/2025



#24
 1,1-Dichloroethane
 Concen: 52.317 ug/l
 RT: 6.565 min Scan# 784
 Delta R.T. -0.006 min
 Lab File: VN086722.D
 Acq: 21 May 2025 11:10

Tgt Ion: 63 Resp: 213270
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.2
 100 4.4 2.4 7.1





#25
2-Butanone
Concen: 250.212 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

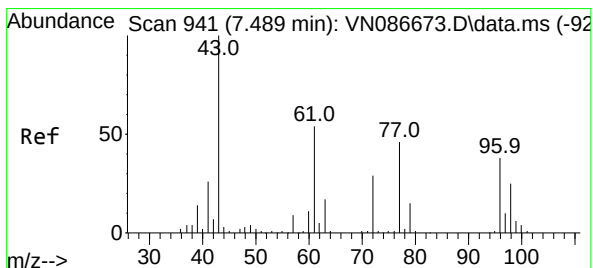
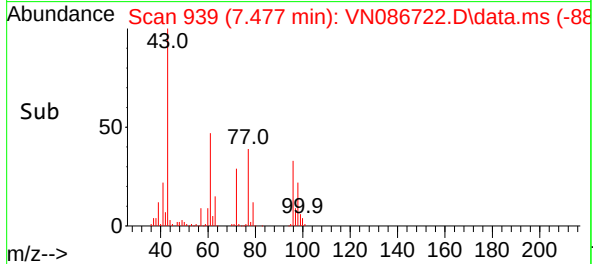
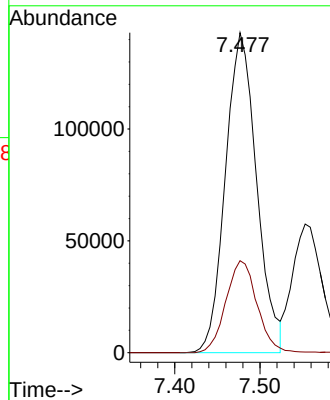
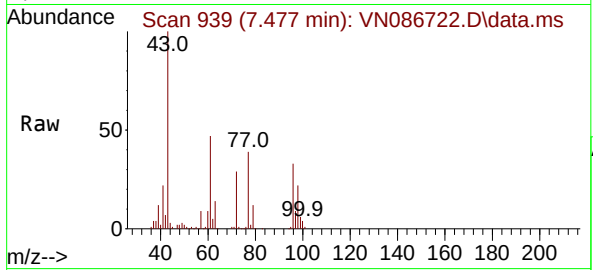
Tgt Ion: 43 Resp: 36433
Ion Ratio Lower Upper
43 100
72 28.8 23.1 34.7

Manual Integrations
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Reviewed By :John
Carlone

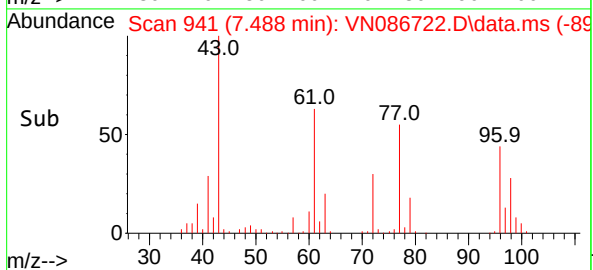
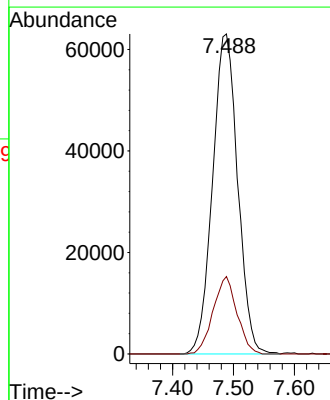
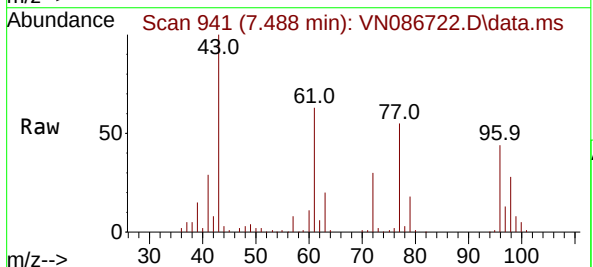
05/22/2025
Supervised By :Mahesh
Dadoda

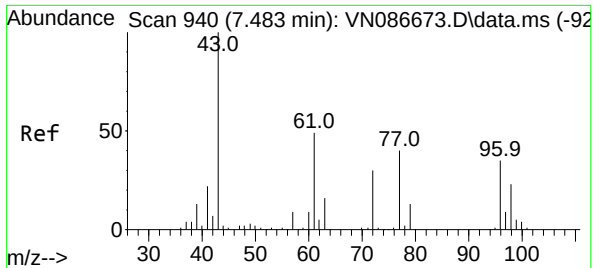
05/22/2025



#26
2,2-Dichloropropane
Concen: 53.646 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

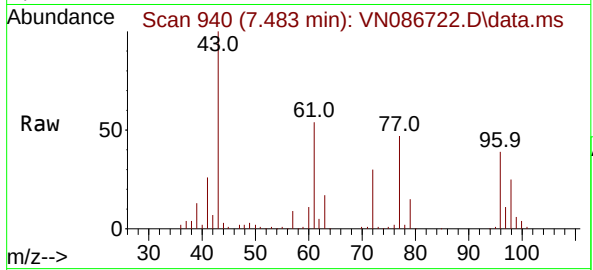
Tgt Ion: 77 Resp: 180472
Ion Ratio Lower Upper
77 100
97 22.9 11.6 34.7





#27
cis-1,2-Dichloroethene
Concen: 51.323 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



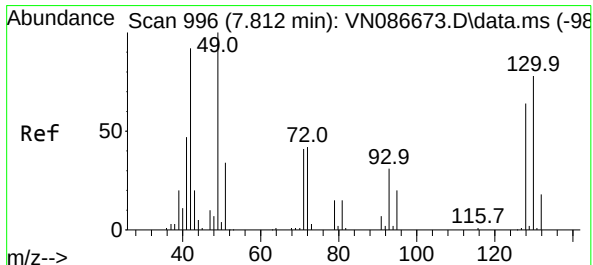
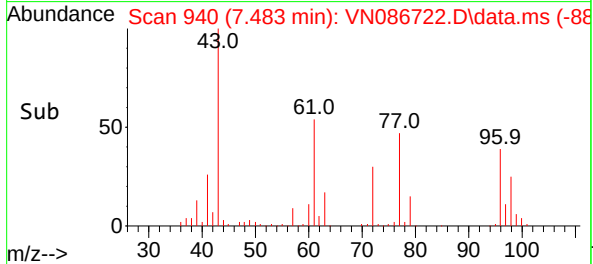
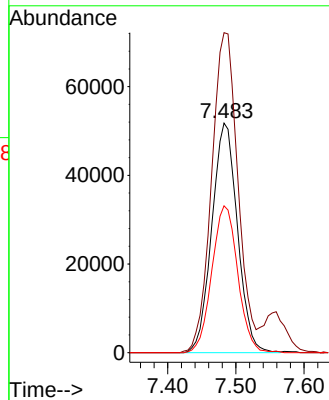
Tgt Ion: 96 Resp: 13542
Ion Ratio Lower Upper
96 100
61 143.1 0.0 277.4
98 64.7 0.0 129.6

Manual Integrations
APPROVED

Reviewed By :John
Carlone

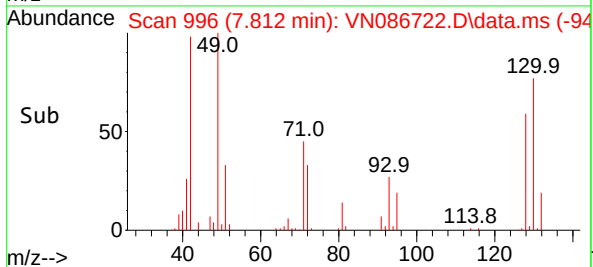
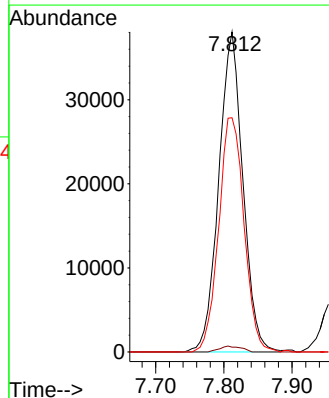
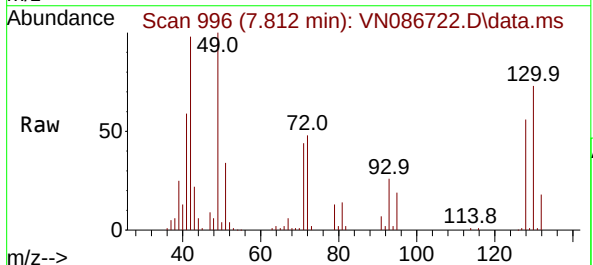
05/22/2025
Supervised By :Mahesh
Dadoda

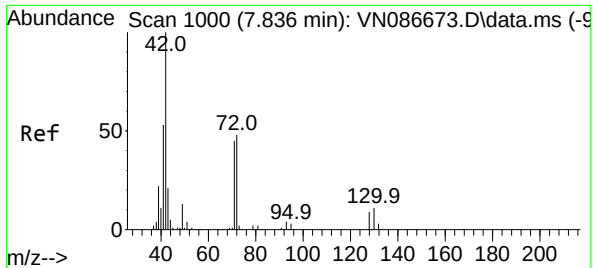
05/22/2025



#28
Bromochloromethane
Concen: 50.562 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Tgt Ion: 49 Resp: 93646
Ion Ratio Lower Upper
49 100
129 1.6 0.0 3.8
130 76.9 62.2 93.4





#29

Tetrahydrofuran

Concen: 253.670 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN086722.D

Acq: 21 May 2025 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 241092

Ion Ratio Lower Upper

42 100

72 47.3 38.7 58.1

71 44.1 36.2 54.4

Manual Integrations

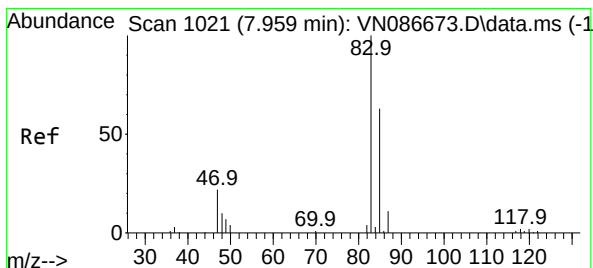
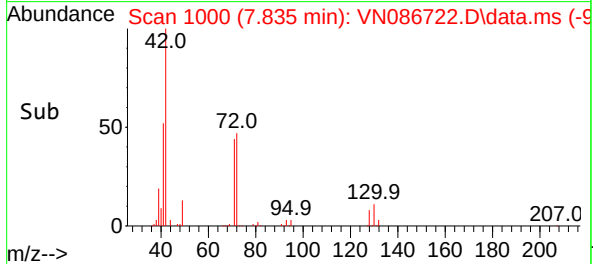
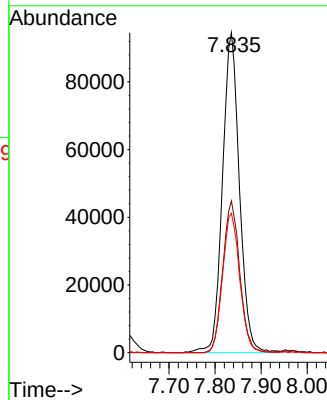
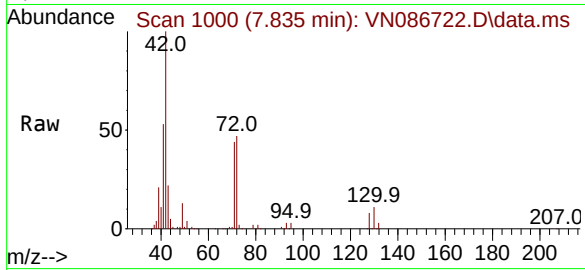
APPROVED

Reviewed By :John
Carlone

05/22/2025

Supervised By :Mahesh
Dadoda

05/22/2025



#30

Chloroform

Concen: 51.346 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VN086722.D

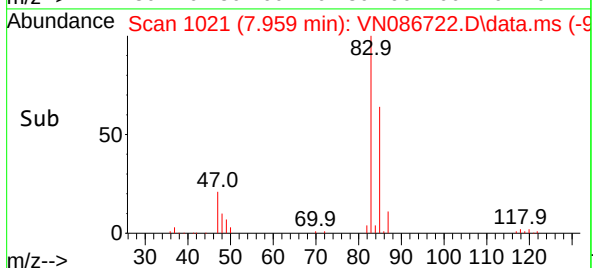
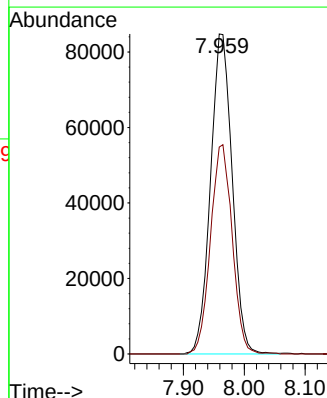
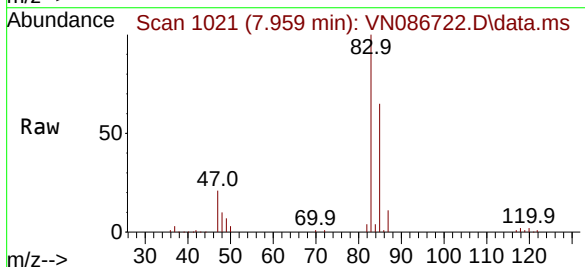
Acq: 21 May 2025 11:10

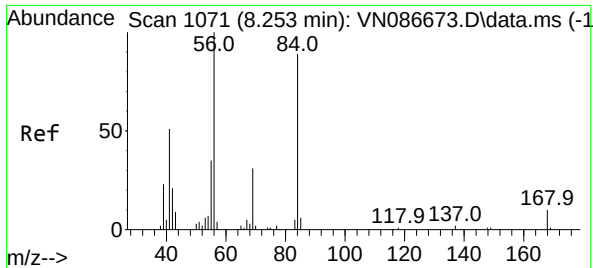
Tgt Ion: 83 Resp: 209502

Ion Ratio Lower Upper

83 100

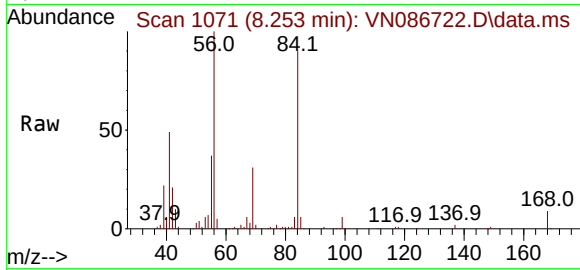
85 64.7 50.2 75.4





#31
Cyclohexane
Concen: 50.444 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



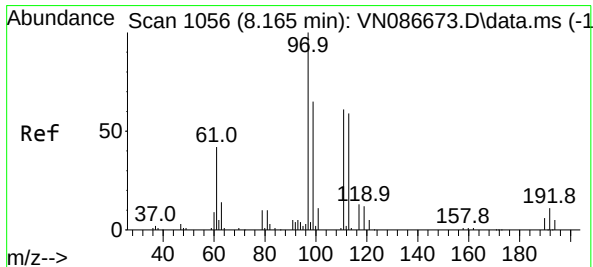
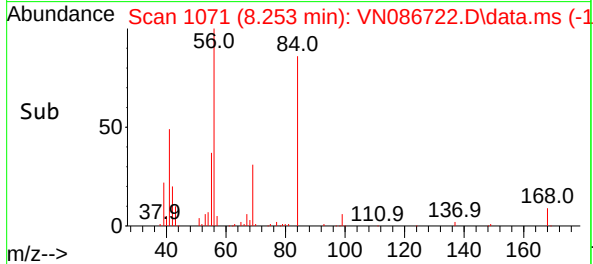
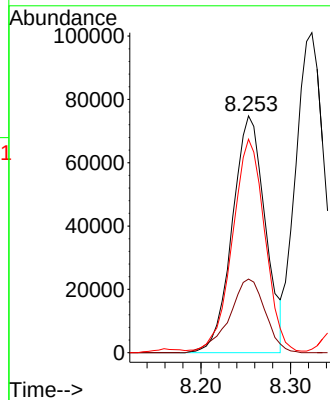
Tgt Ion: 56 Resp: 190712
Ion Ratio Lower Upper
56 100
69 31.1 25.0 37.6
84 88.9 71.0 106.4

Manual Integrations
APPROVED

Reviewed By :John
Carlone

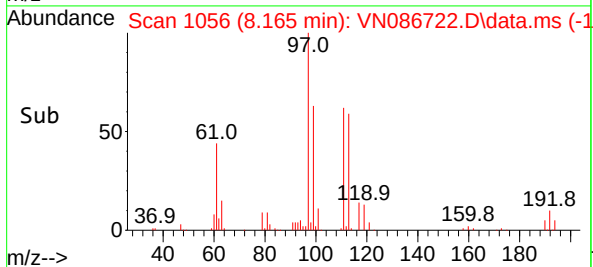
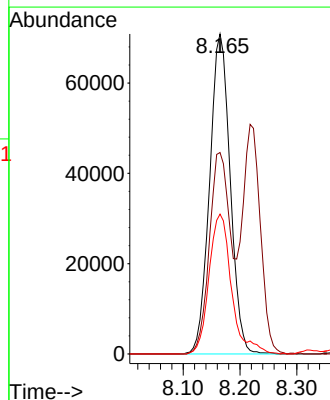
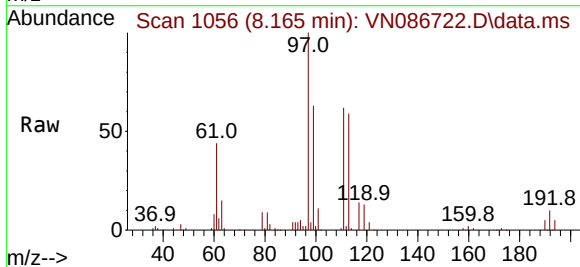
05/22/2025
Supervised By :Mahesh
Dadoda

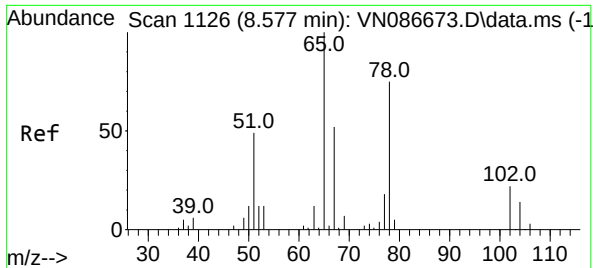
05/22/2025



#32
1,1,1-Trichloroethane
Concen: 51.729 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Tgt Ion: 97 Resp: 177954
Ion Ratio Lower Upper
97 100
99 65.8 52.6 79.0
61 47.7 37.7 56.5





#33

1,2-Dichloroethane-d4

Concen: 50.735 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086722.D

Acq: 21 May 2025 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 127804

Ion Ratio Lower Upper

65 100

67 54.3 0.0 106.4

Manual Integrations

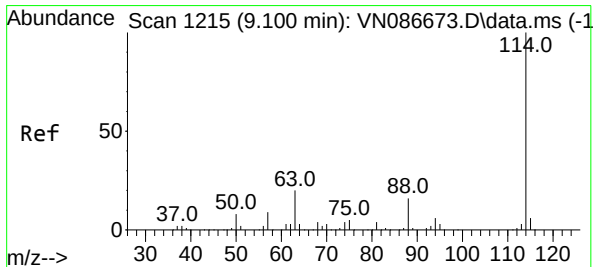
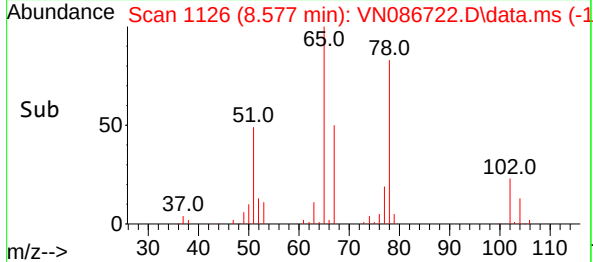
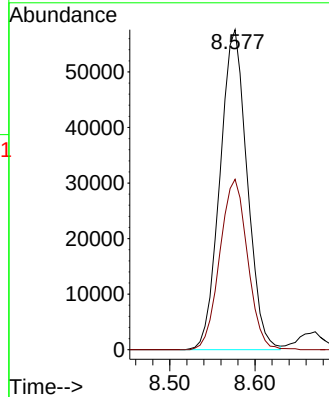
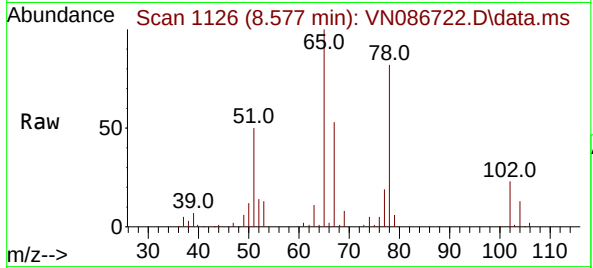
APPROVED

Reviewed By :John
Carlone

05/22/2025

Supervised By :Mahesh
Dadoda

05/22/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086722.D

Acq: 21 May 2025 11:10

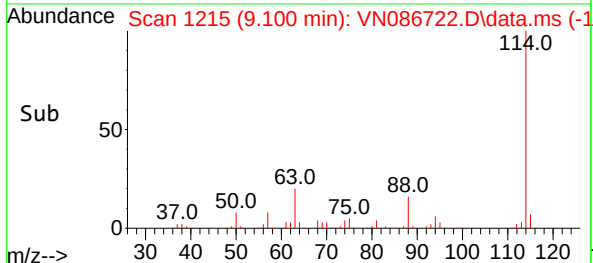
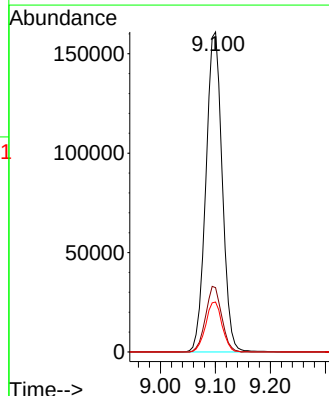
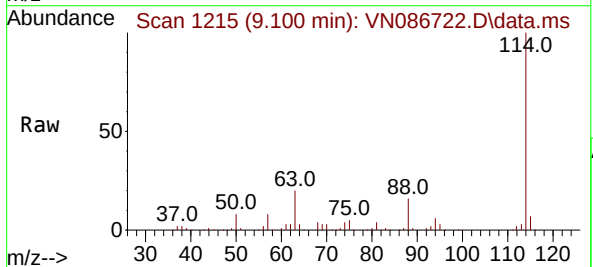
Tgt Ion:114 Resp: 331408

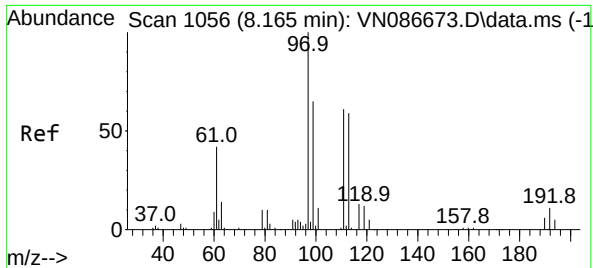
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 15.6 0.0 31.2





#35

Dibromofluoromethane

Concen: 51.518 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086722.D

Acq: 21 May 2025 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 101679

Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.2

192 16.5 13.8 20.8

Manual Integrations

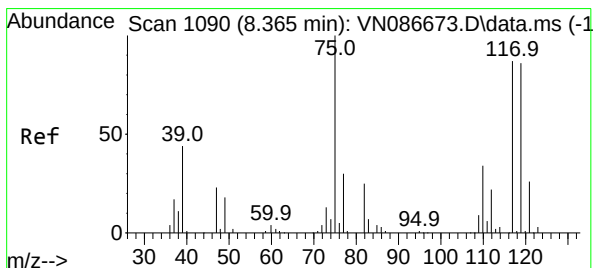
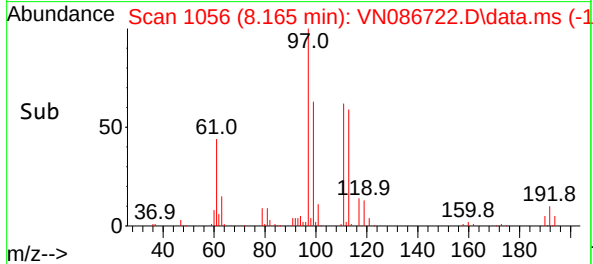
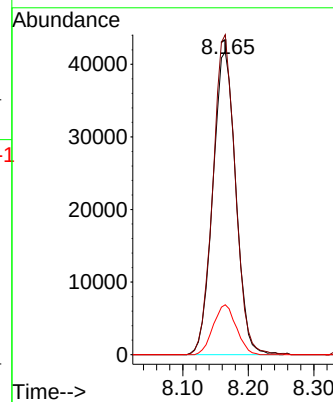
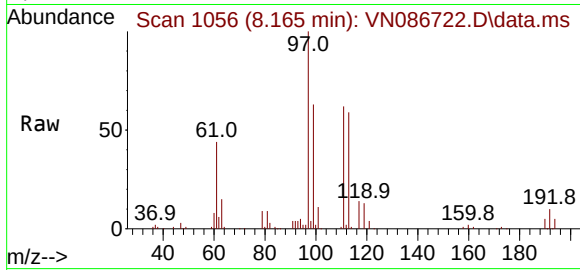
APPROVED

Reviewed By :John
Carlone

05/22/2025

Supervised By :Mahesh
Dadoda

05/22/2025



#36

1,1-Dichloropropene

Concen: 52.936 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN086722.D

Acq: 21 May 2025 11:10

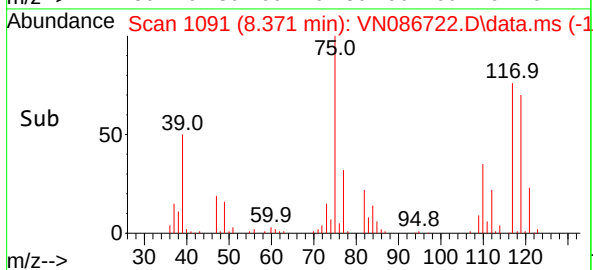
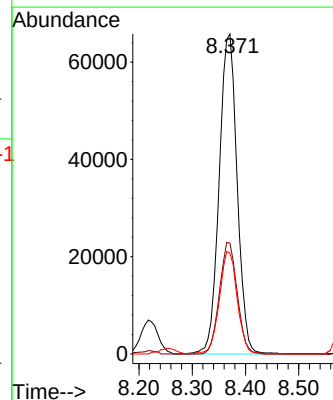
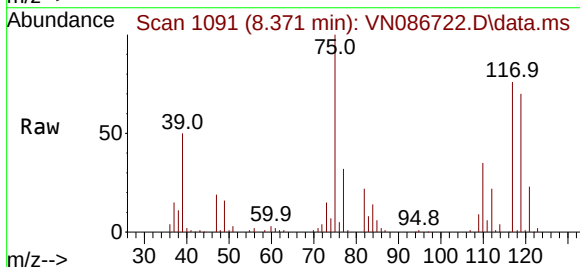
Tgt Ion: 75 Resp: 154110

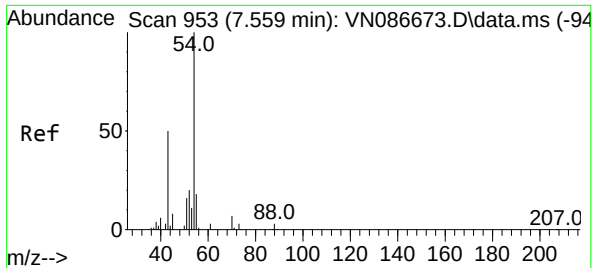
Ion Ratio Lower Upper

75 100

110 34.3 17.5 52.5

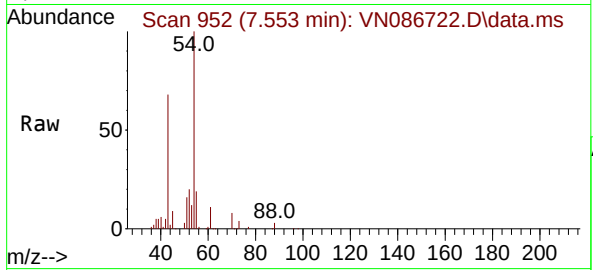
77 31.8 25.1 37.7





#37
Ethyl Acetate
Concen: 48.813 ug/l
RT: 7.553 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



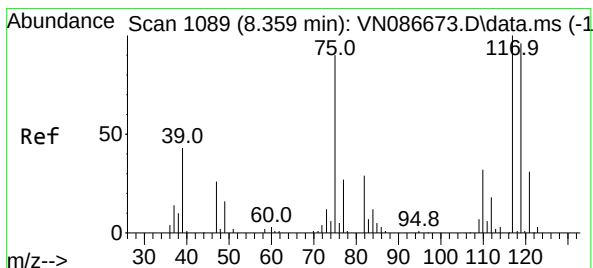
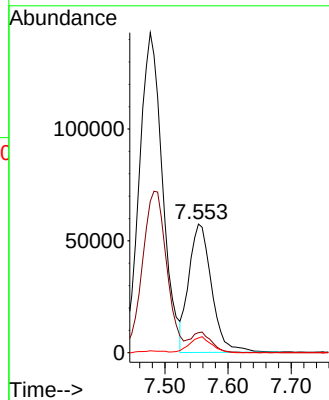
Tgt Ion: 43 Resp: 143549
Ion Ratio Lower Upper
43 100
61 13.8 11.6 17.4
70 11.9 9.4 14.0

Manual Integrations
APPROVED

Reviewed By :John
Carlone

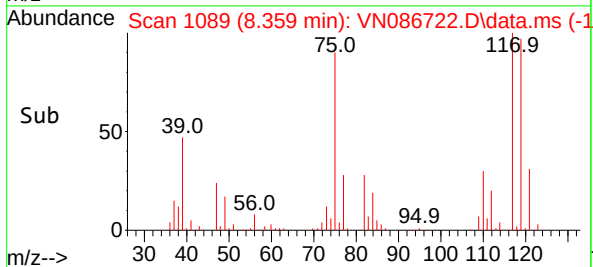
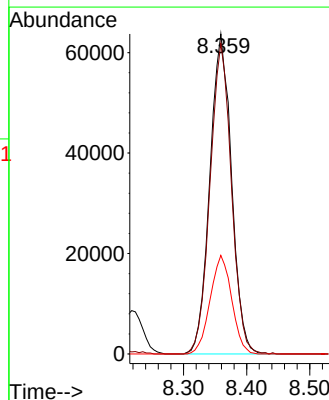
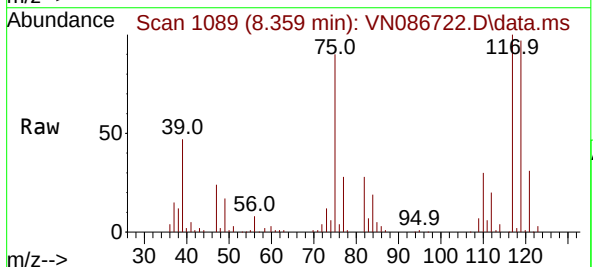
05/22/2025
Supervised By :Mahesh
Dadoda

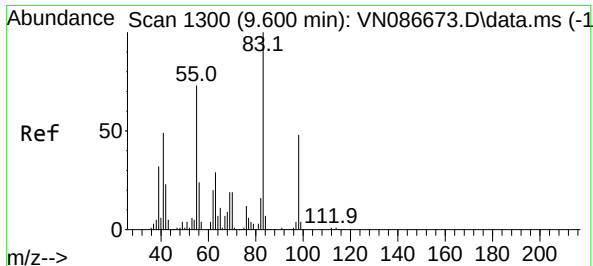
05/22/2025



#38
Carbon Tetrachloride
Concen: 52.805 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Tgt Ion:117 Resp: 151468
Ion Ratio Lower Upper
117 100
119 97.1 77.0 115.6
121 30.8 25.0 37.6





#39

Methylcyclohexane

Concen: 54.644 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN086722.D

Acq: 21 May 2025 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 17217

Ion Ratio Lower Upper

83 100

55 72.8 58.2 87.4

98 46.1 38.4 57.6

Manual Integrations

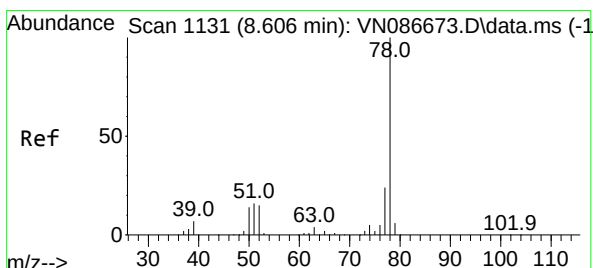
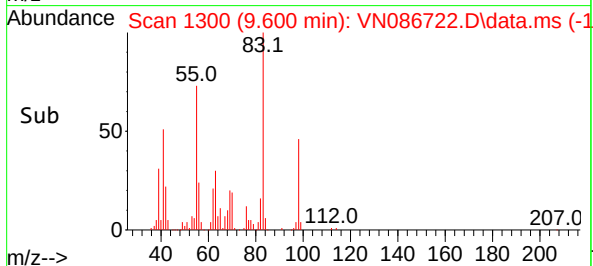
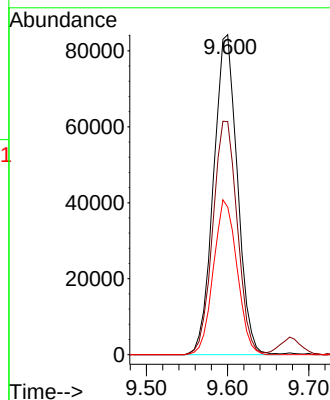
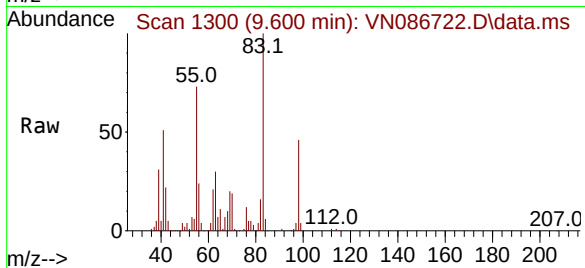
APPROVED

Reviewed By :John
Carlone

05/22/2025

Supervised By :Mahesh
Dadoda

05/22/2025



#40

Benzene

Concen: 52.122 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN086722.D

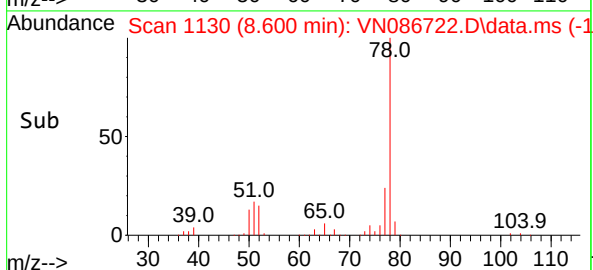
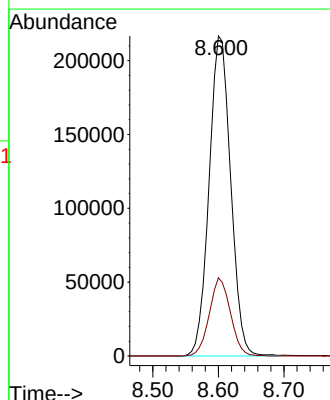
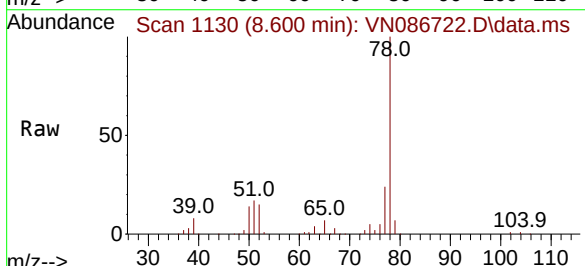
Acq: 21 May 2025 11:10

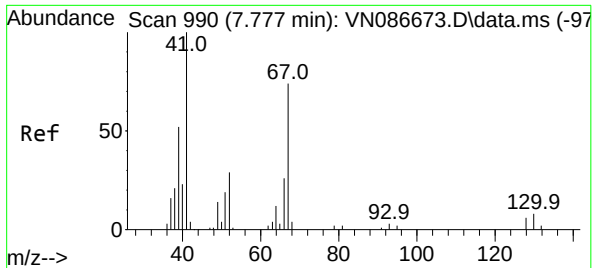
Tgt Ion: 78 Resp: 495006

Ion Ratio Lower Upper

78 100

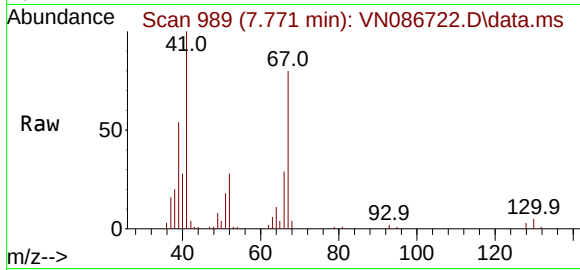
77 24.5 19.1 28.7





#41
Methacrylonitrile
Concen: 50.954 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



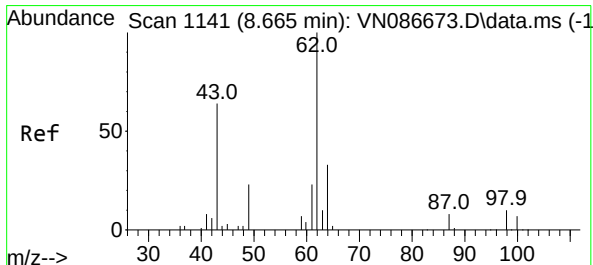
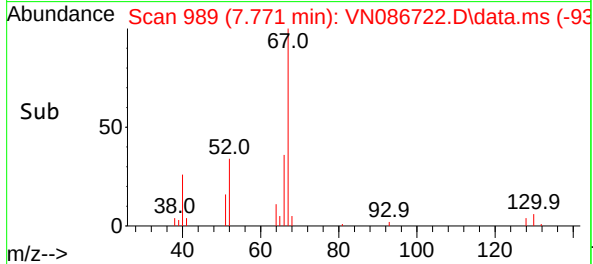
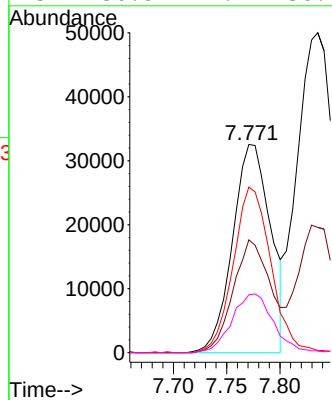
Tgt Ion: 41 Resp: 80900
Ion Ratio Lower Upper
41 100
39 52.3 44.9 67.3
67 79.1 63.4 95.0
52 30.8 24.4 36.6

Manual Integrations
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Reviewed By :John
Carlone

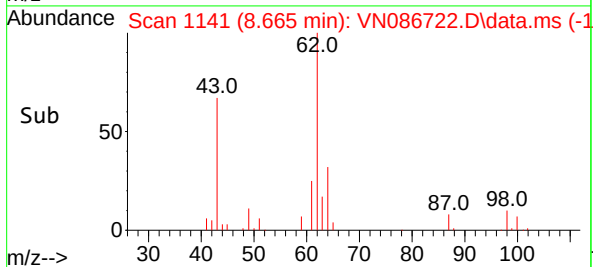
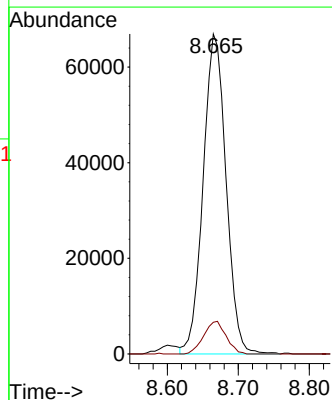
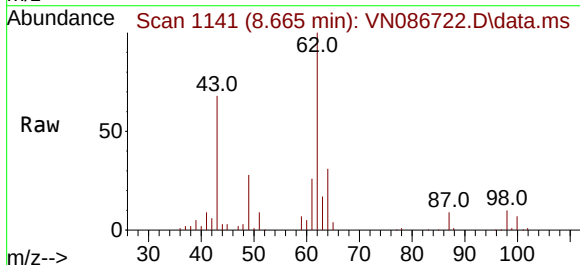
05/22/2025
Supervised By :Mahesh
Dadoda

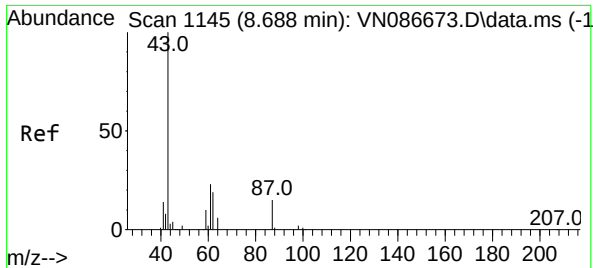
05/22/2025



#42
1,2-Dichloroethane
Concen: 50.786 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

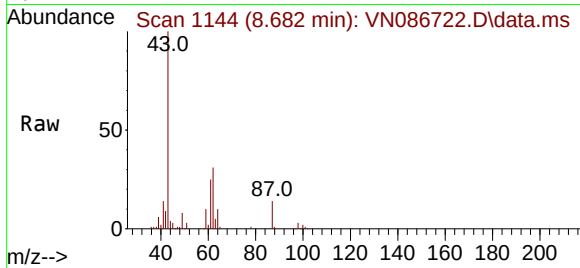
Tgt Ion: 62 Resp: 150262
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.2





#43
Isopropyl Acetate
Concen: 43.376 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



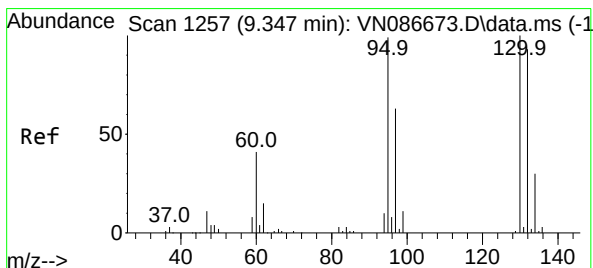
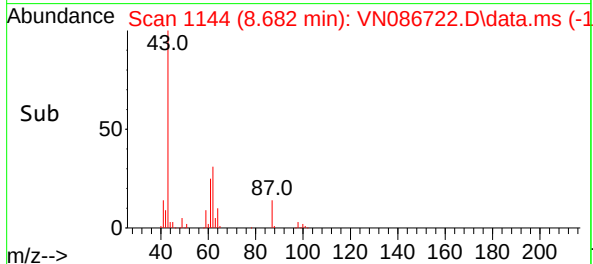
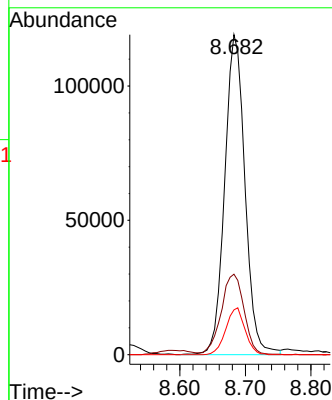
Tgt Ion: 43 Resp: 255710
Ion Ratio Lower Upper
43 100
61 28.3 21.4 32.2
87 13.8 11.1 16.7

Manual Integrations
APPROVED

Reviewed By :John
Carlone

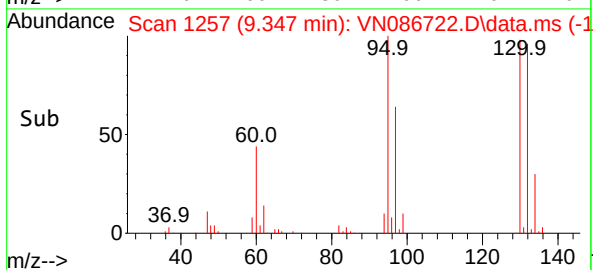
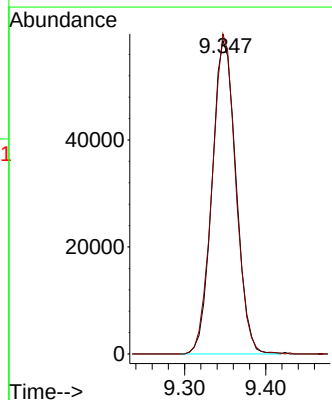
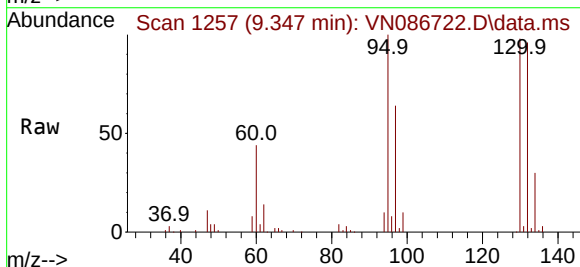
05/22/2025
Supervised By :Mahesh
Dadoda

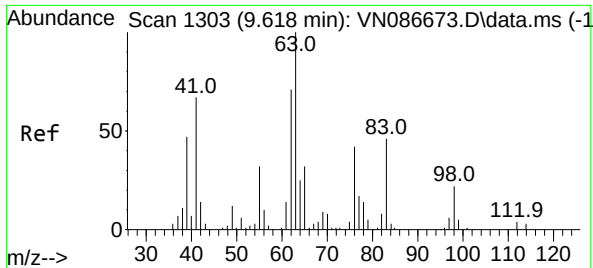
05/22/2025



#44
Trichloroethene
Concen: 52.450 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Tgt Ion:130 Resp: 120144
Ion Ratio Lower Upper
130 100
95 102.1 0.0 197.0





#45

1,2-Dichloropropane

Concen: 53.419 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086722.D

Acq: 21 May 2025 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 120510

Ion Ratio Lower Upper

63 100

65 31.9 25.8 38.6

Manual Integrations

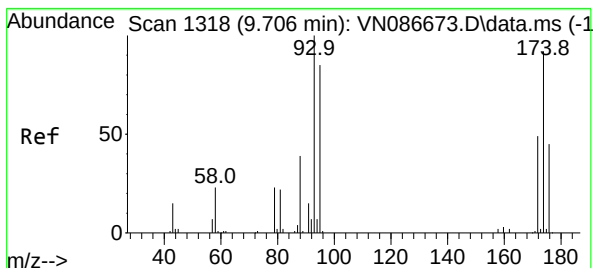
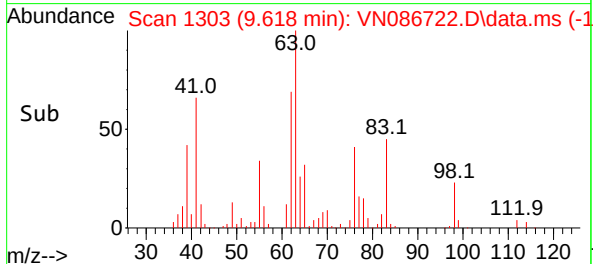
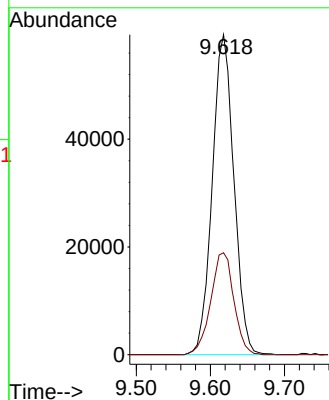
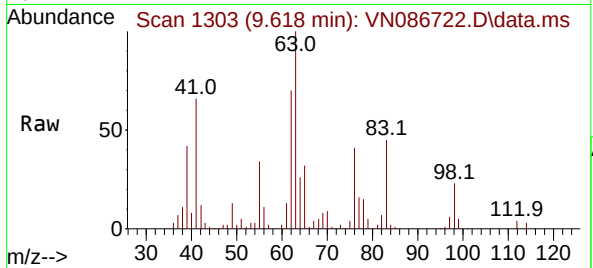
APPROVED

Reviewed By :John
Carlone

05/22/2025

Supervised By :Mahesh
Dadoda

05/22/2025



#46

Dibromomethane

Concen: 51.509 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086722.D

Acq: 21 May 2025 11:10

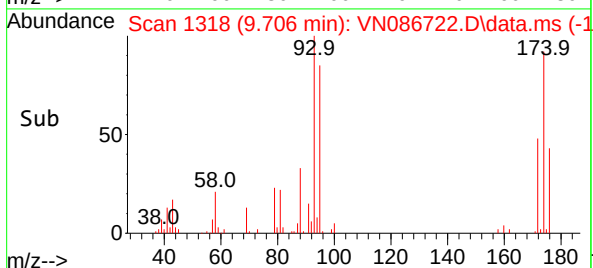
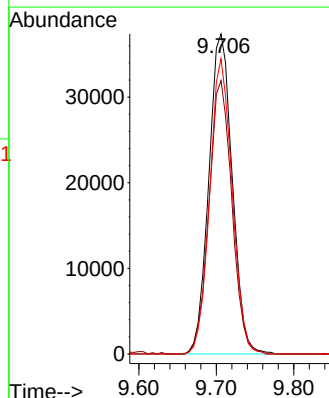
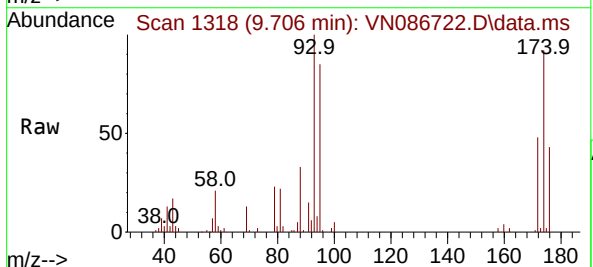
Tgt Ion: 93 Resp: 78413

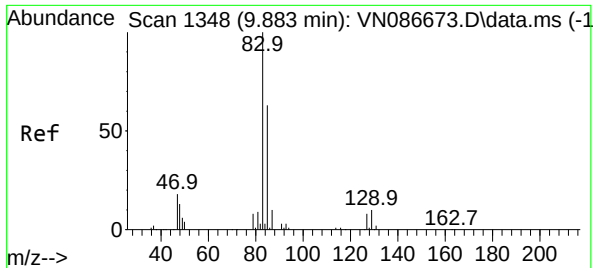
Ion Ratio Lower Upper

93 100

95 83.6 67.1 100.7

174 88.4 73.8 110.6





#47

Bromodichloromethane

Concen: 52.985 ug/l

RT: 9.882 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VN086722.D

Acq: 21 May 2025 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 166192

Ion Ratio Lower Upper

83 100

85 63.9 50.1 75.1

127 8.0 6.2 9.4

Manual Integrations

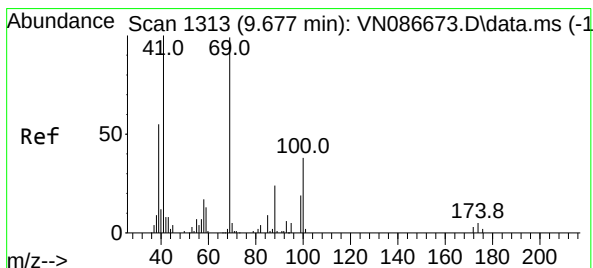
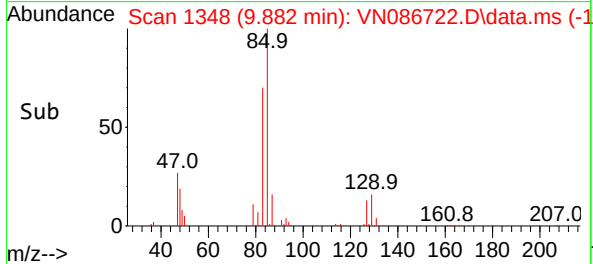
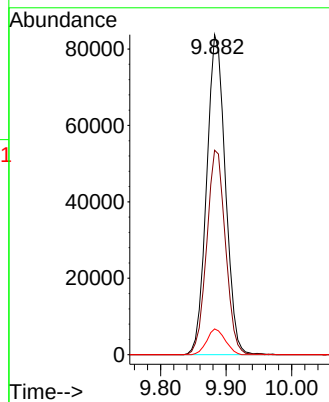
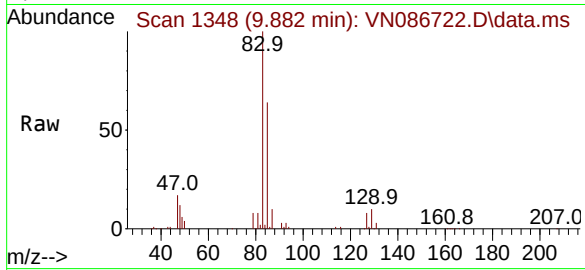
APPROVED

Reviewed By :John
Carlone

05/22/2025

Supervised By :Mahesh
Dadoda

05/22/2025



#48

Methyl methacrylate

Concen: 50.991 ug/l

RT: 9.676 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VN086722.D

Acq: 21 May 2025 11:10

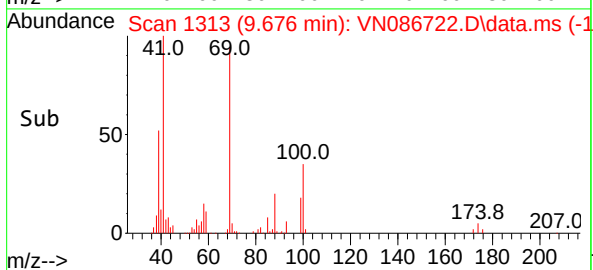
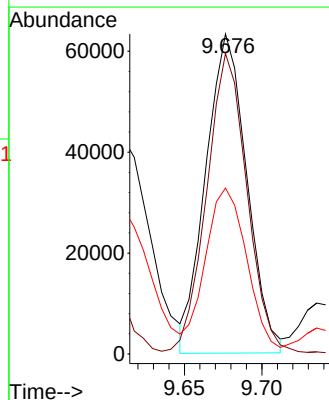
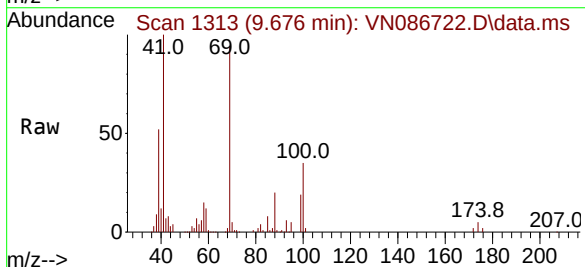
Tgt Ion: 41 Resp: 116487

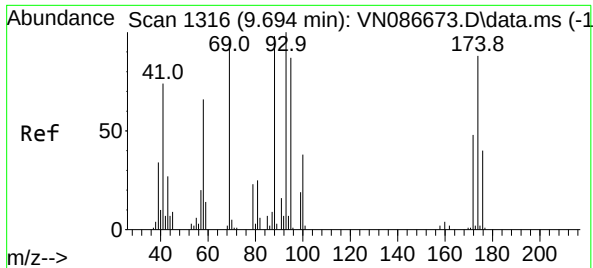
Ion Ratio Lower Upper

41 100

69 93.5 74.1 111.1

39 53.2 44.1 66.1





#49

1,4-Dioxane

Concen: 1008.620 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.006 min

Lab File: VN086722.D

Acq: 21 May 2025 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 48790

Ion Ratio Lower Upper

88 100

43 25.2 23.6 35.4

58 70.1 55.3 82.9

Manual Integrations

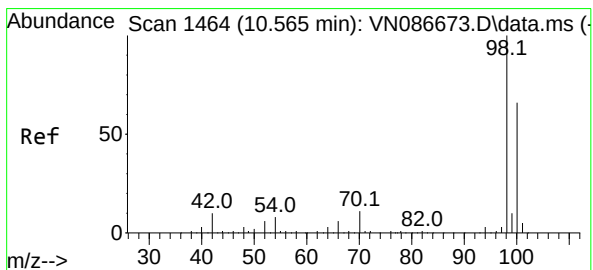
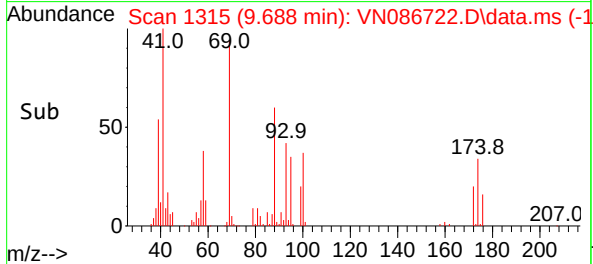
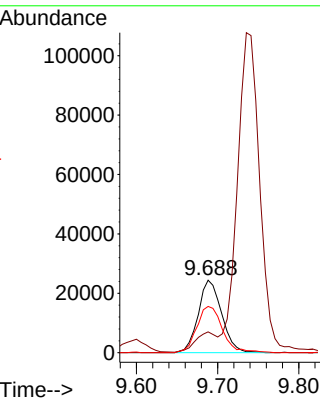
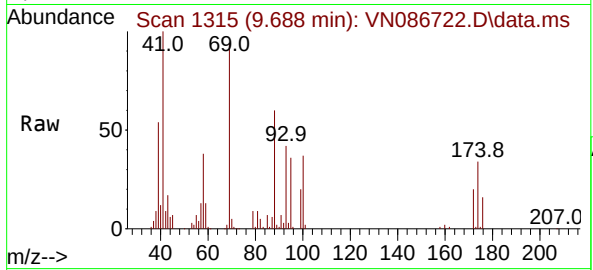
APPROVED

Reviewed By :John
Carlone

05/22/2025

Supervised By :Mahesh
Dadoda

05/22/2025



#50

Toluene-d8

Concen: 51.988 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086722.D

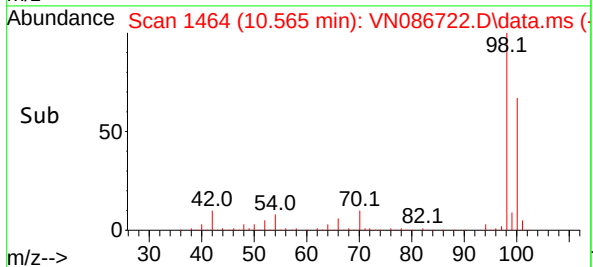
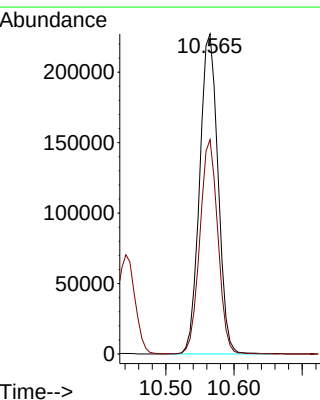
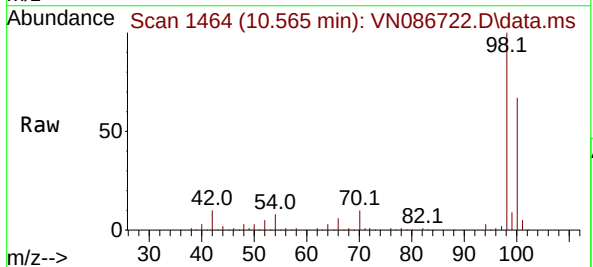
Acq: 21 May 2025 11:10

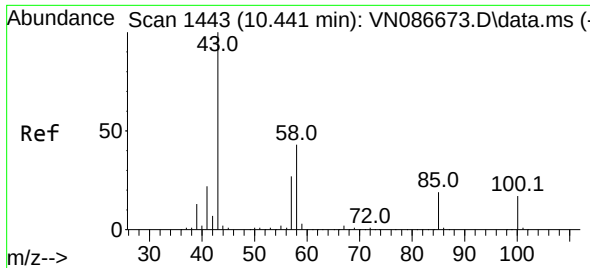
Tgt Ion: 98 Resp: 425210

Ion Ratio Lower Upper

98 100

100 65.5 52.9 79.3





#51
4-Methyl-2-Pentanone
Concen: 250.764 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

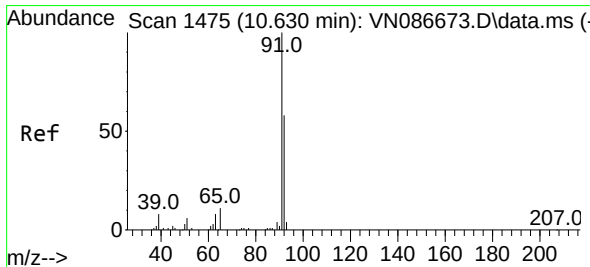
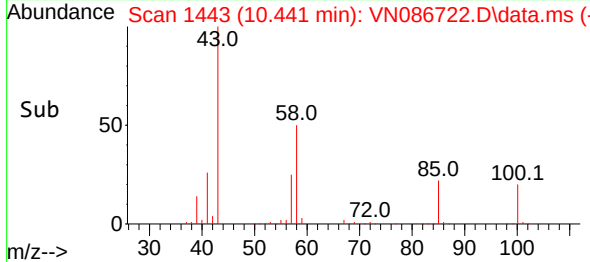
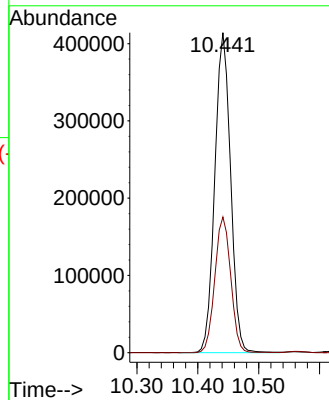
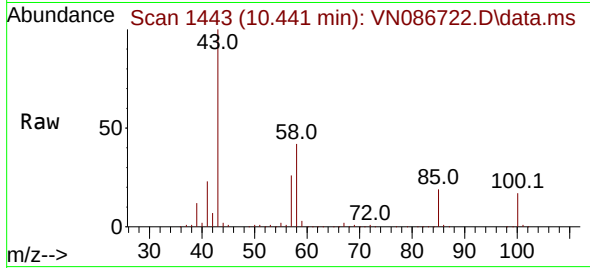
Tgt Ion: 43 Resp: 745520
Ion Ratio Lower Upper
43 100
58 42.7 33.9 50.9

Manual Integrations
APPROVED

Reviewed By :John
Carlone

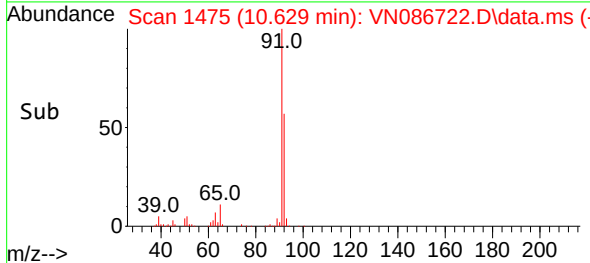
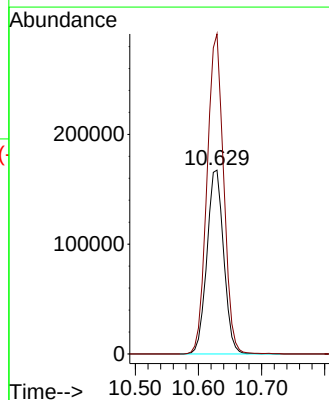
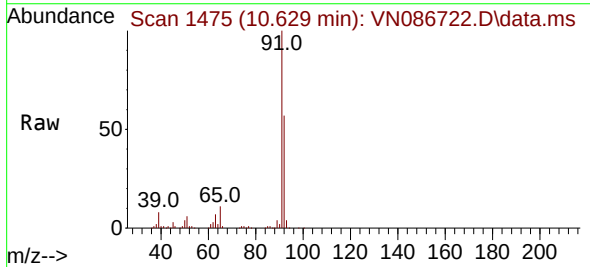
05/22/2025
Supervised By :Mahesh
Dadoda

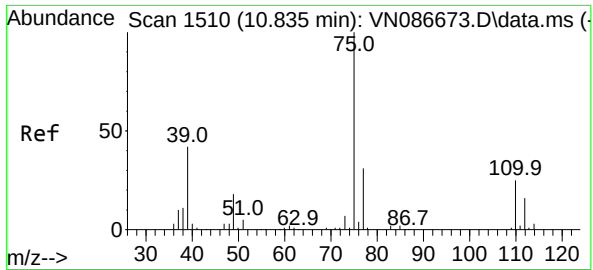
05/22/2025



#52
Toluene
Concen: 52.340 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

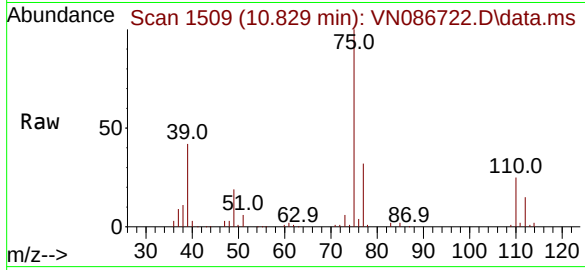
Tgt Ion: 92 Resp: 308943
Ion Ratio Lower Upper
92 100
91 172.6 137.8 206.8





#53
t-1,3-Dichloropropene
Concen: 54.103 ug/l
RT: 10.829 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



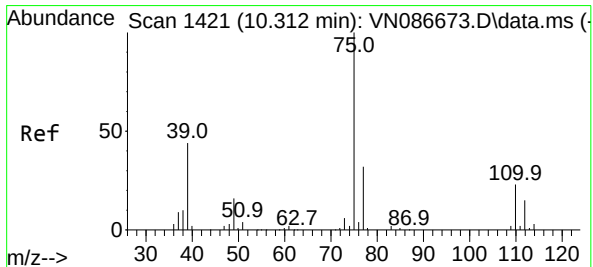
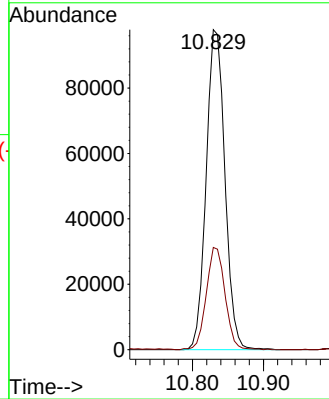
Tgt Ion: 75 Resp: 17967
Ion Ratio Lower Upper
75 100
77 31.9 25.2 37.8

Manual Integrations
APPROVED

Reviewed By :John
Carlone

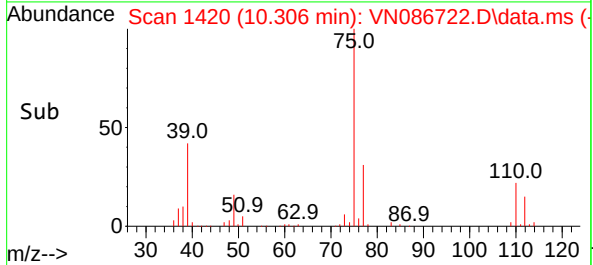
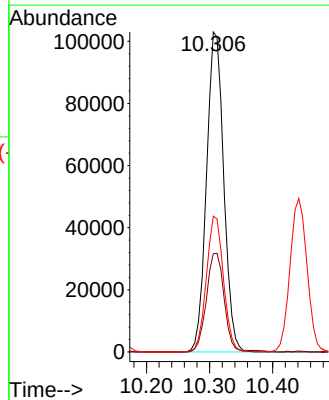
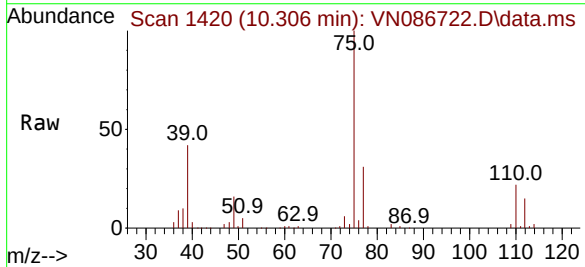
05/22/2025
Supervised By :Mahesh
Dadoda

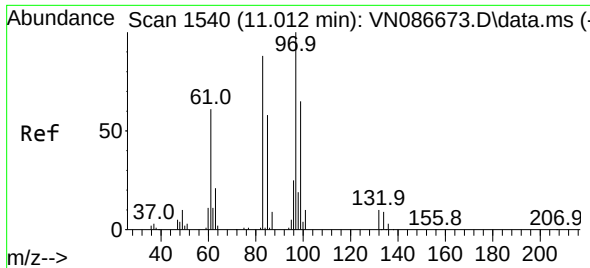
05/22/2025



#54
cis-1,3-Dichloropropene
Concen: 53.933 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

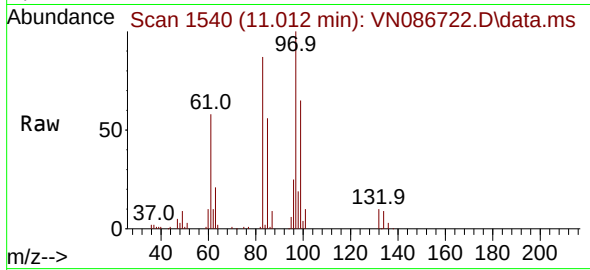
Tgt Ion: 75 Resp: 195518
Ion Ratio Lower Upper
75 100
77 30.7 25.3 37.9
39 42.4 35.2 52.8





#55
1,1,2-Trichloroethane
Concen: 50.737 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



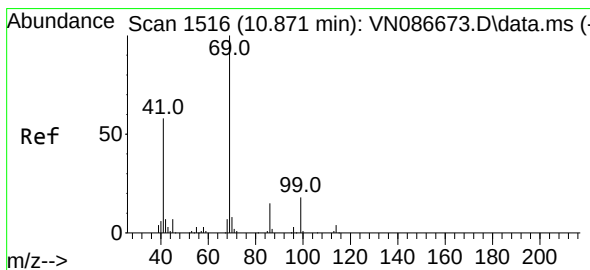
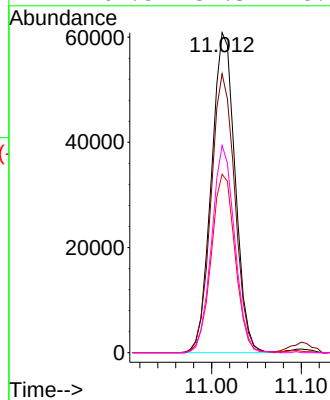
Tgt Ion: 97 Resp: 111715
Ion Ratio Lower Upper
97 100
83 87.2 70.4 105.6
85 55.7 46.1 69.1
99 64.8 52.3 78.5

Manual Integrations
APPROVED

Reviewed By :John
Carlone

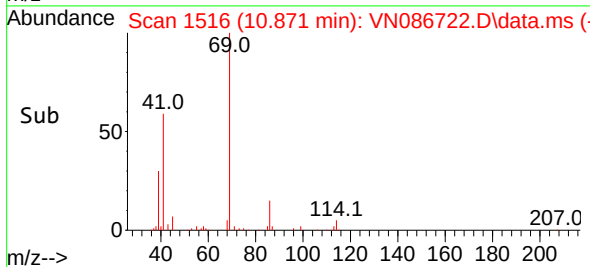
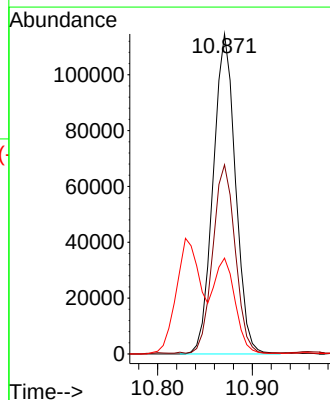
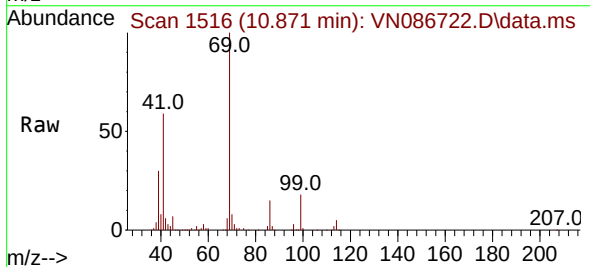
05/22/2025
Supervised By :Mahesh
Dadoda

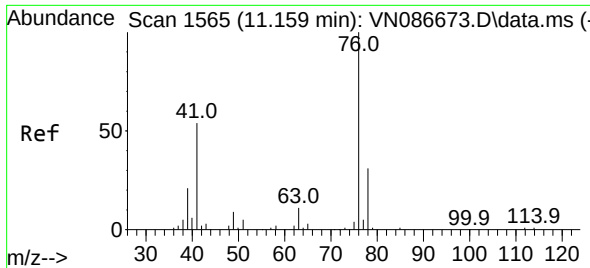
05/22/2025



#56
Ethyl methacrylate
Concen: 53.047 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

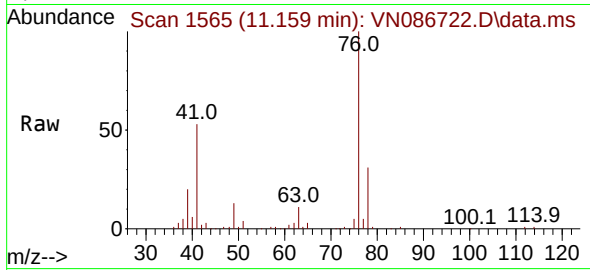
Tgt Ion: 69 Resp: 187535
Ion Ratio Lower Upper
69 100
41 59.1 47.4 71.0
39 28.0 24.0 36.0





#57
1,3-Dichloropropane
Concen: 51.768 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



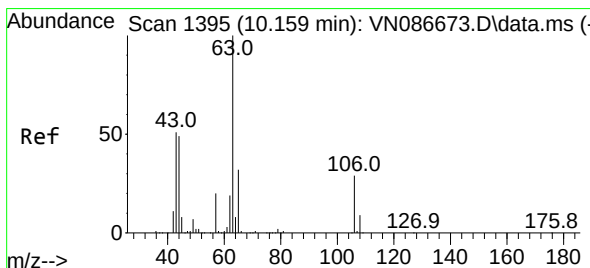
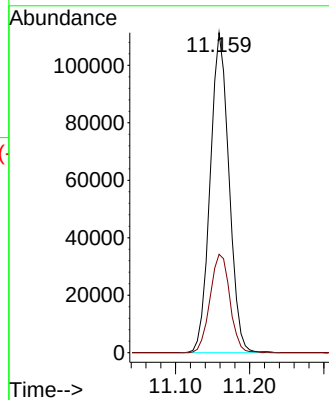
Tgt Ion: 76 Resp: 196369
Ion Ratio Lower Upper
76 100
78 32.3 25.8 38.8

Manual Integrations
APPROVED

Reviewed By :John
Carlone

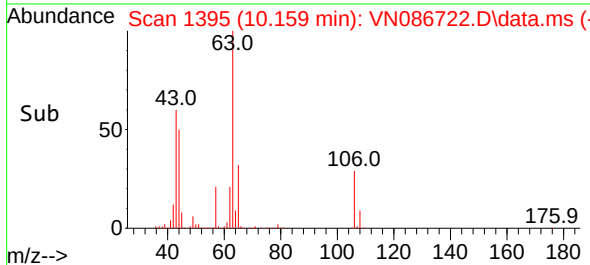
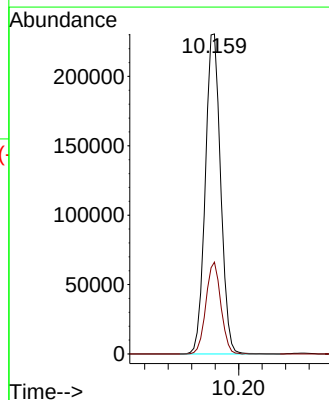
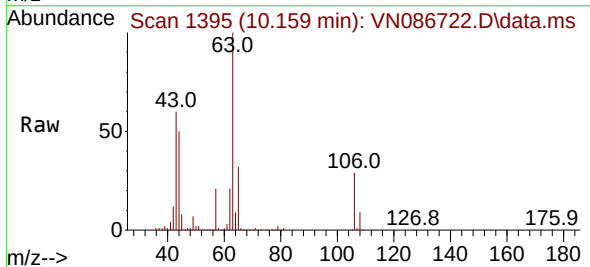
05/22/2025
Supervised By :Mahesh
Dadoda

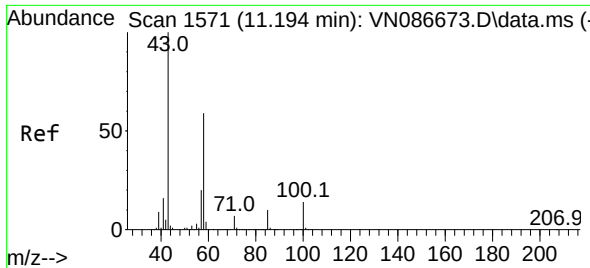
05/22/2025



#58
2-Chloroethyl Vinyl ether
Concen: 264.980 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

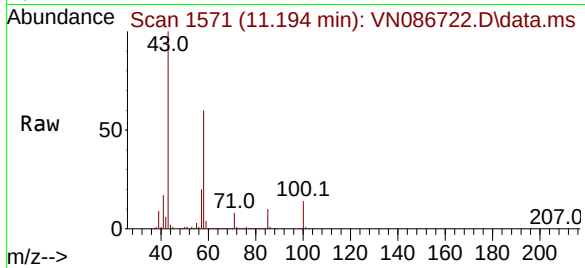
Tgt Ion: 63 Resp: 418673
Ion Ratio Lower Upper
63 100
106 27.9 23.1 34.7





#59
2-Hexanone
Concen: 251.092 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



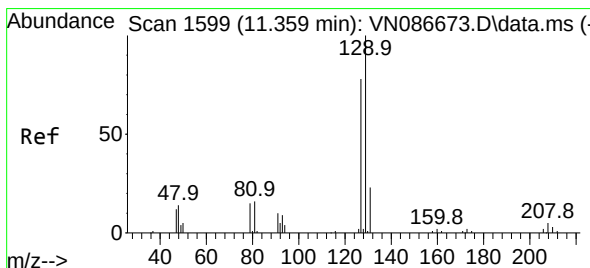
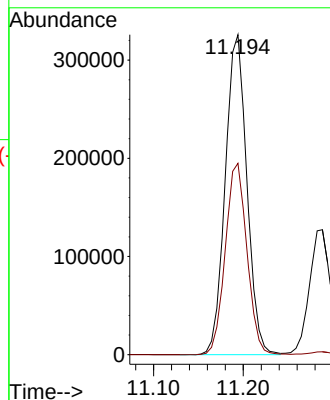
Tgt Ion: 43 Resp: 54513
Ion Ratio Lower Upper
43 100
58 59.9 29.8 89.5

Manual Integrations
APPROVED

Reviewed By :John
Carlone

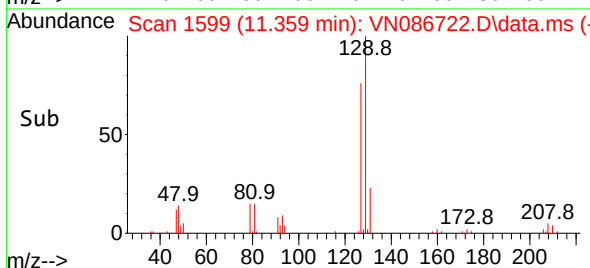
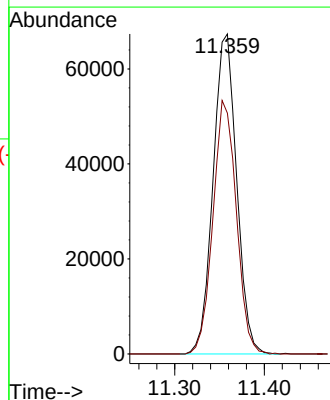
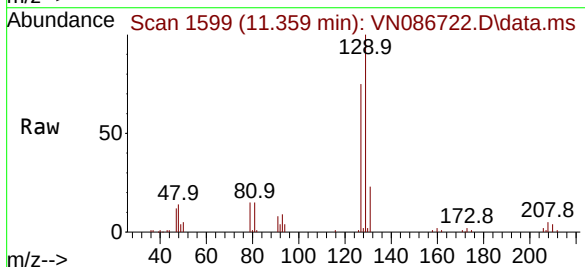
05/22/2025
Supervised By :Mahesh
Dadoda

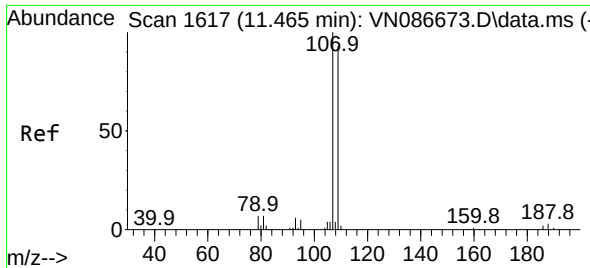
05/22/2025



#60
Dibromochloromethane
Concen: 53.161 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

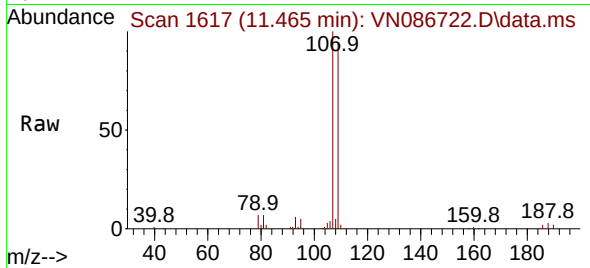
Tgt Ion:129 Resp: 122673
Ion Ratio Lower Upper
129 100
127 78.8 39.5 118.3





#61
1,2-Dibromoethane
Concen: 51.179 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



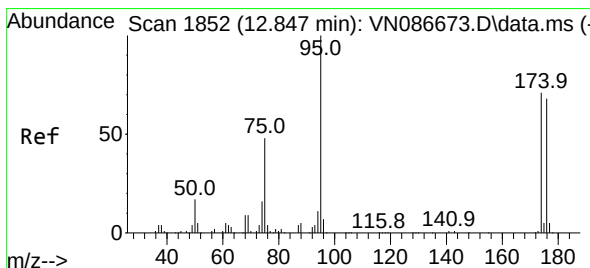
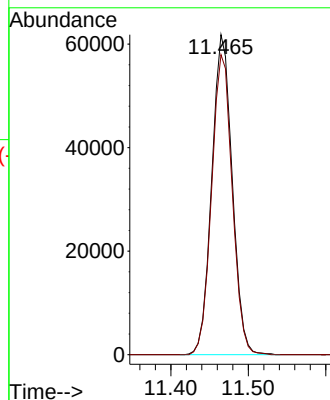
Tgt Ion:107 Resp: 113240
Ion Ratio Lower Upper
107 100
109 94.3 75.0 112.4

Manual Integrations
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Reviewed By :John
Carlone

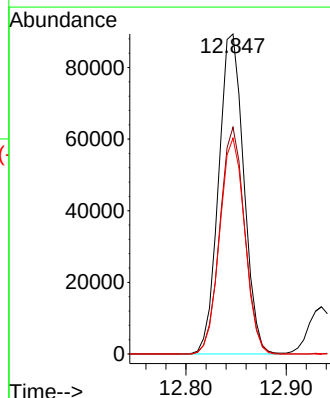
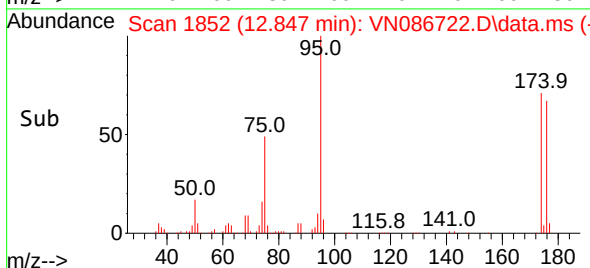
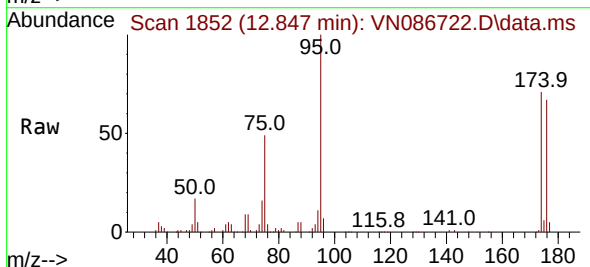
05/22/2025
Supervised By :Mahesh
Dadoda

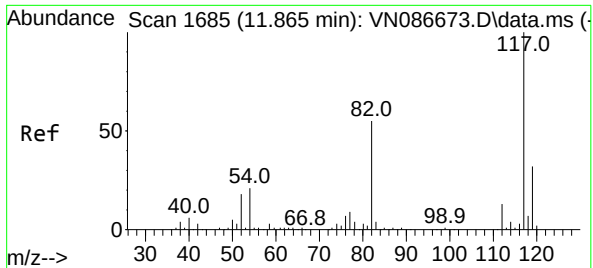
05/22/2025



#62
4-Bromofluorobenzene
Concen: 53.877 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

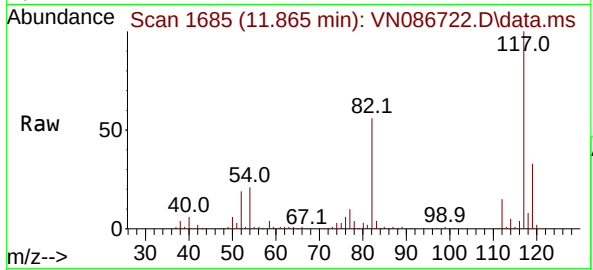
Tgt Ion: 95 Resp: 155596
Ion Ratio Lower Upper
95 100
174 69.8 0.0 145.4
176 67.3 0.0 137.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



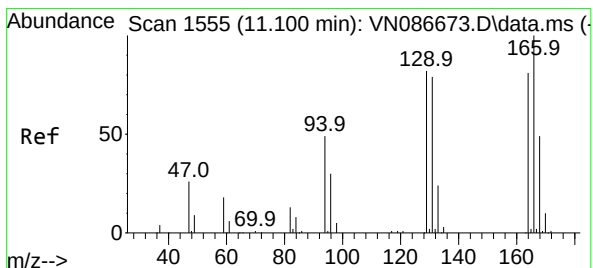
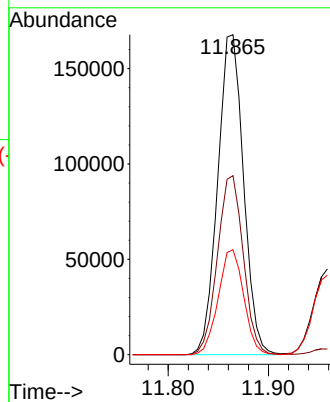
Tgt Ion:117 Resp: 29965
Ion Ratio Lower Upper
117 100
82 56.0 44.2 66.2
119 32.8 25.4 38.2

Manual Integrations
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Reviewed By :John
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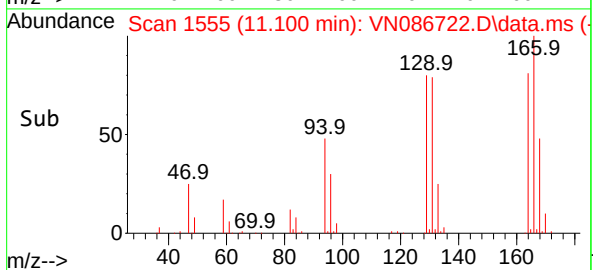
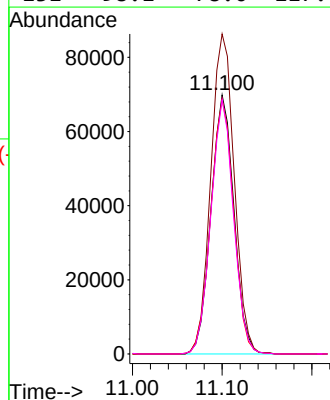
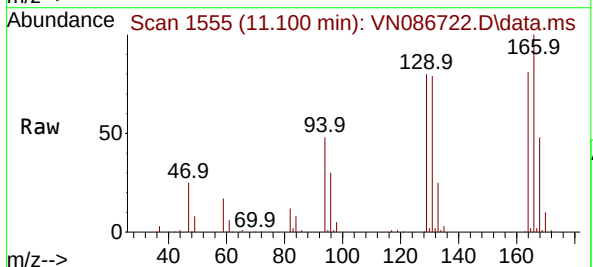
05/22/2025
Supervised By :Mahesh
Dadoda

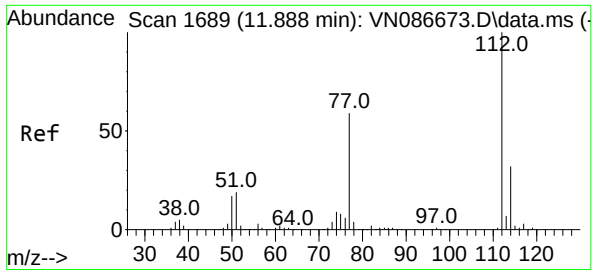
05/22/2025



#64
Tetrachloroethene
Concen: 54.103 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Tgt Ion:164 Resp: 124195
Ion Ratio Lower Upper
164 100
166 123.5 98.2 147.4
129 98.4 81.0 121.4
131 98.1 78.0 117.0





#65
Chlorobenzene
Concen: 51.963 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

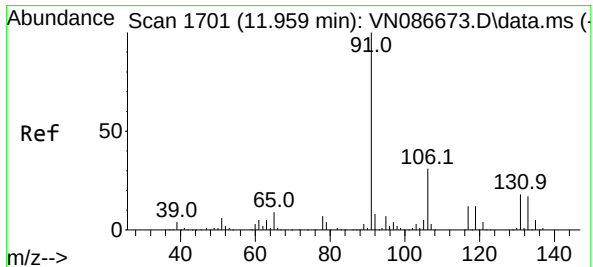
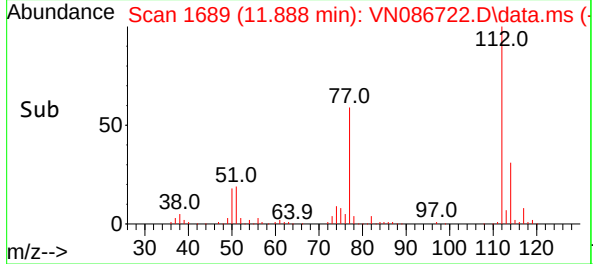
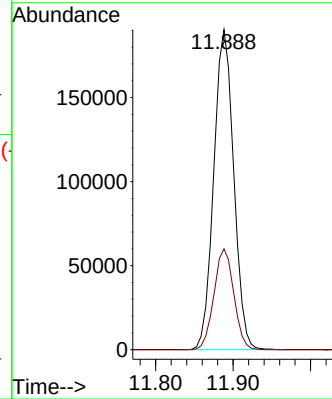
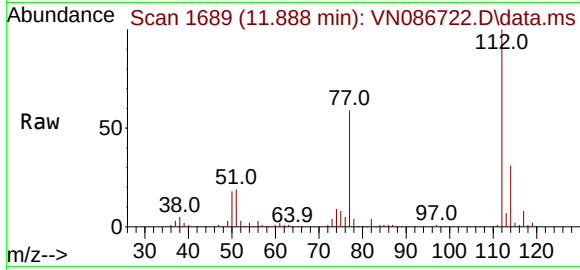
Tgt Ion:112 Resp: 341449
Ion Ratio Lower Upper
112 100
114 31.5 25.9 38.9

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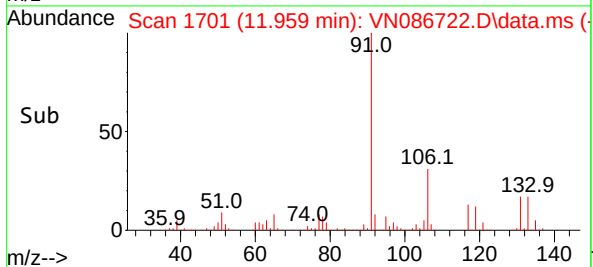
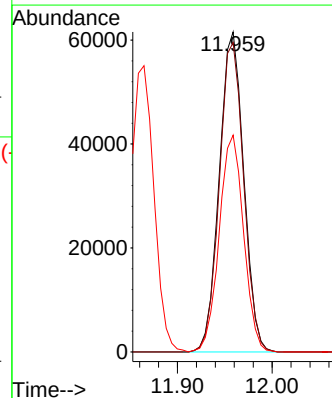
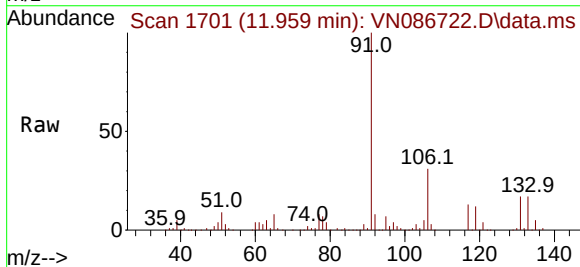
05/22/2025
Supervised By :Mahesh
Dadoda

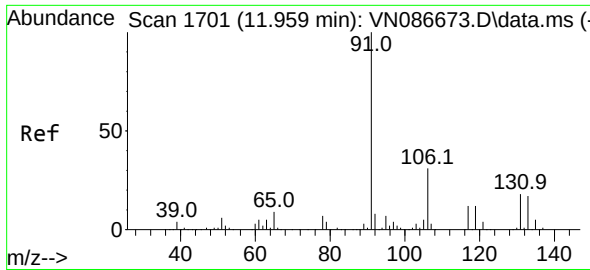
05/22/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 52.007 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

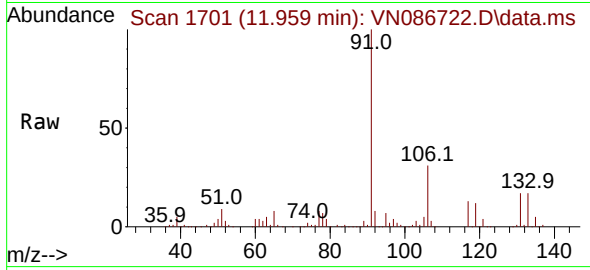
Tgt Ion:131 Resp: 110321
Ion Ratio Lower Upper
131 100
133 96.4 47.9 143.7
119 67.7 33.6 100.8





#67
Ethyl Benzene
Concen: 52.840 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



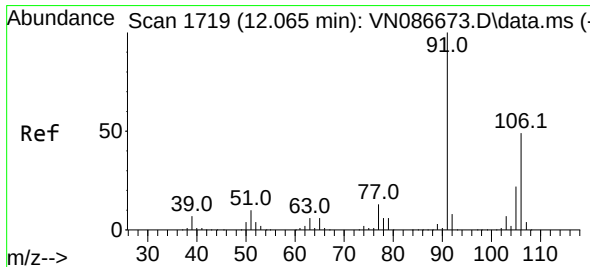
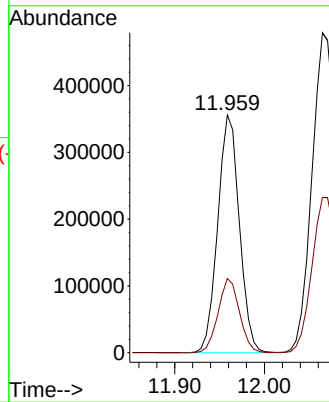
Tgt Ion: 91 Resp: 594704
Ion Ratio Lower Upper
91 100
106 31.2 24.6 36.8

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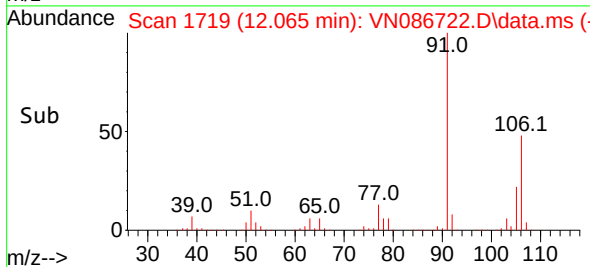
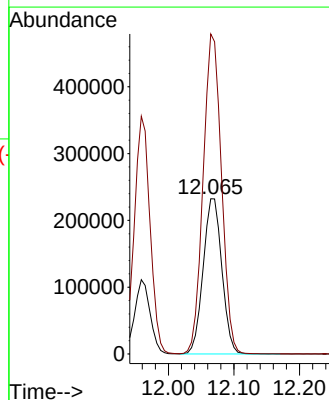
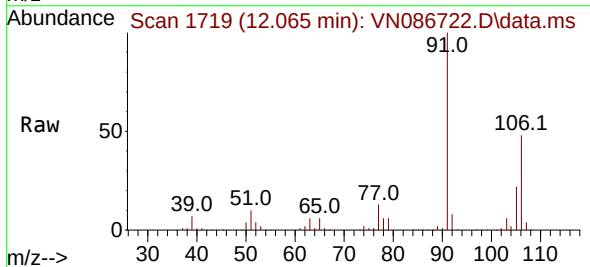
05/22/2025
Supervised By :Mahesh
Dadoda

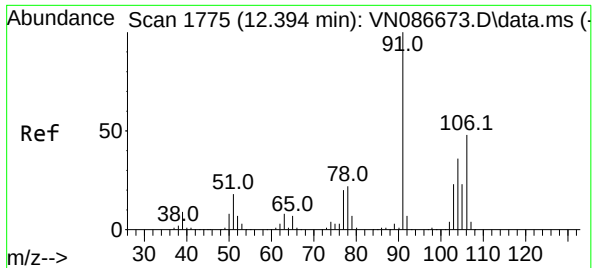
05/22/2025



#68
m/p-Xylenes
Concen: 108.385 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Tgt Ion:106 Resp: 462041
Ion Ratio Lower Upper
106 100
91 201.8 162.4 243.6





#69
o-Xylene
Concen: 52.969 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

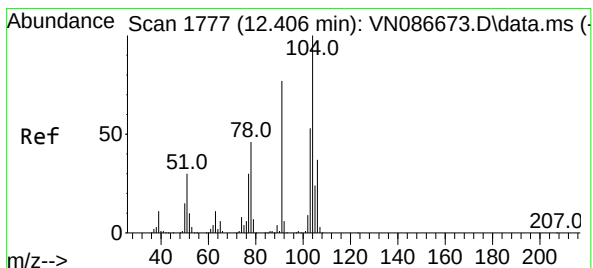
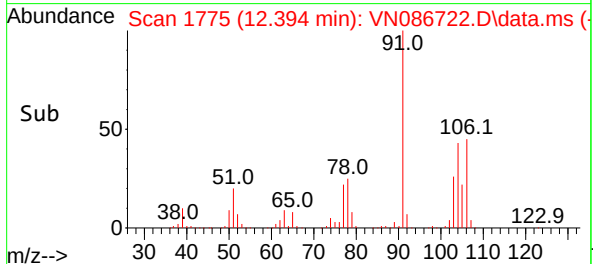
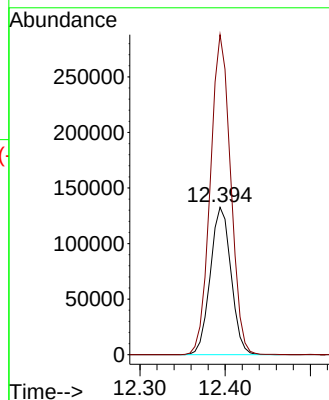
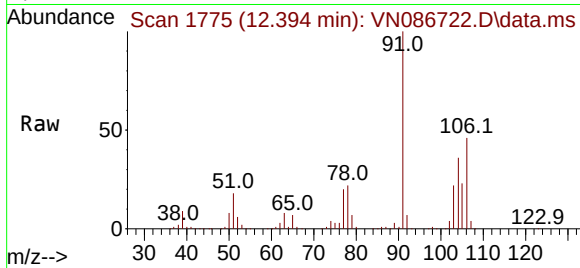
Tgt Ion:106 Resp: 224490
Ion Ratio Lower Upper
106 100
91 213.4 105.1 315.1

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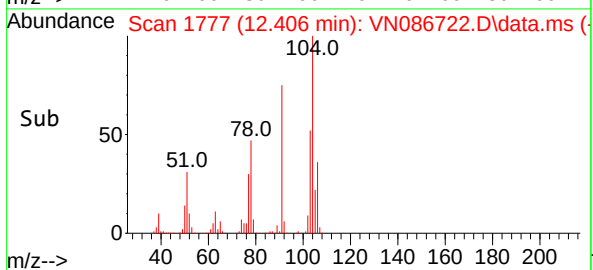
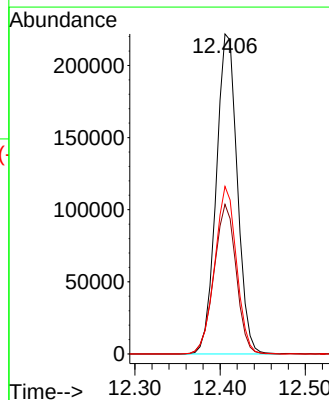
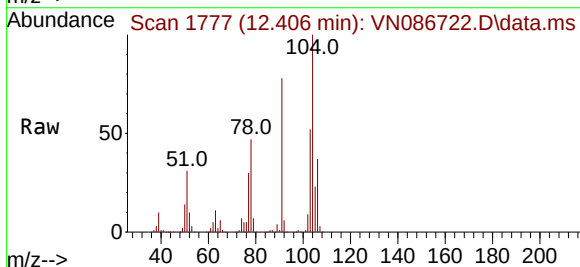
05/22/2025
Supervised By :Mahesh
Dadoda

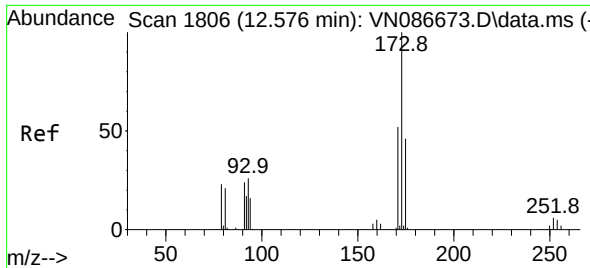
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#70
Styrene
Concen: 54.925 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

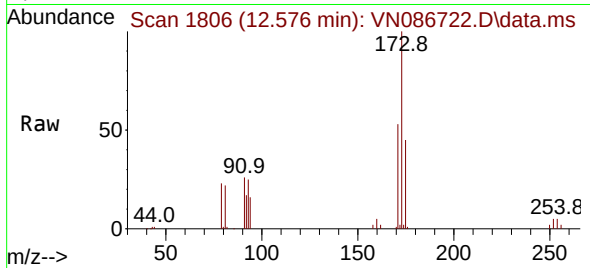
Tgt Ion:104 Resp: 381112
Ion Ratio Lower Upper
104 100
78 49.0 39.0 58.6
103 54.2 43.8 65.8





#71
Bromoform
Concen: 52.479 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



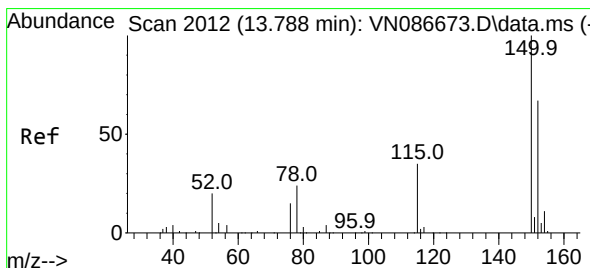
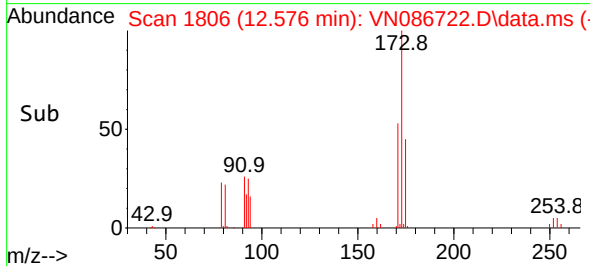
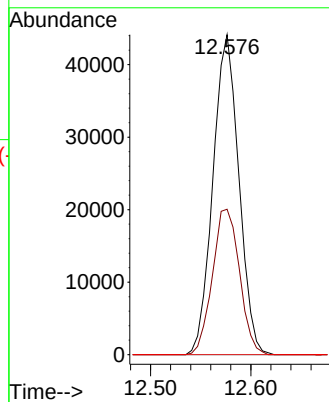
Tgt Ion:173 Resp: 7917
Ion Ratio Lower Upper
173 100
175 47.6 23.4 70.2
254 0.0 0.0 0.0

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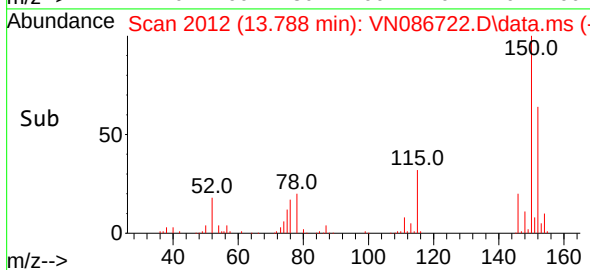
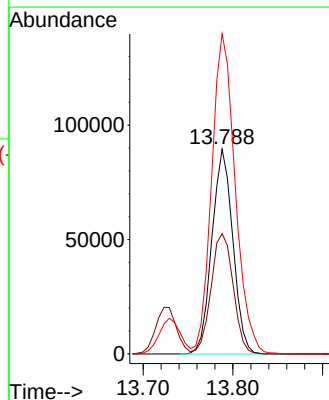
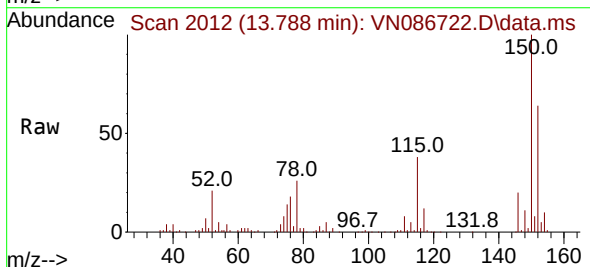
05/22/2025
Supervised By :Mahesh
Dadoda

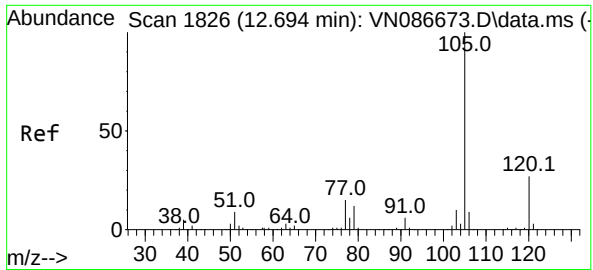
05/22/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

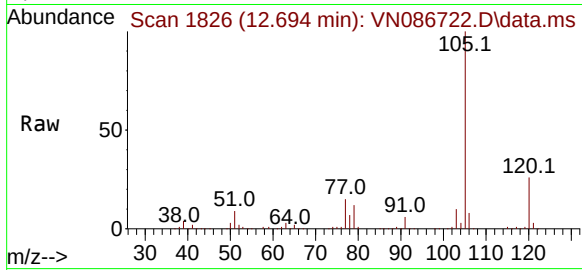
Tgt Ion:152 Resp: 144979
Ion Ratio Lower Upper
152 100
115 62.0 30.0 90.1
150 175.7 0.0 347.8





#73
Isopropylbenzene
Concen: 48.435 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



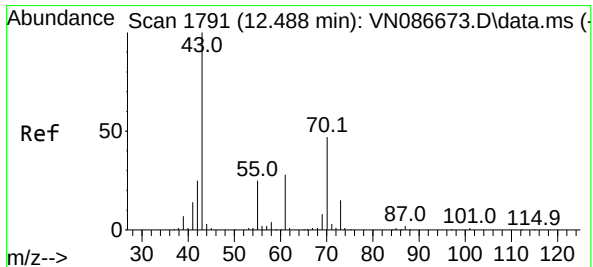
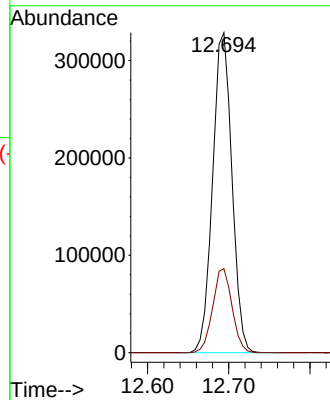
Tgt Ion:105 Resp: 54234
Ion Ratio Lower Upper
105 100
120 26.3 13.4 40.1

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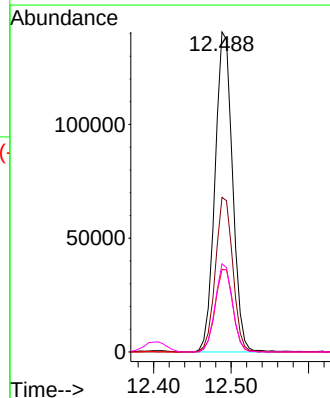
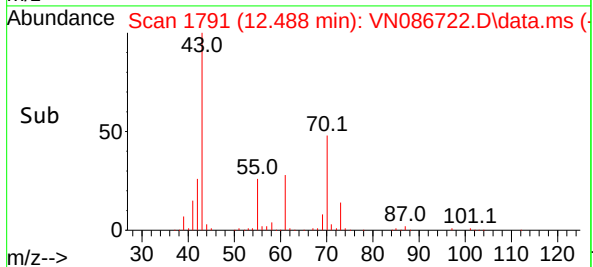
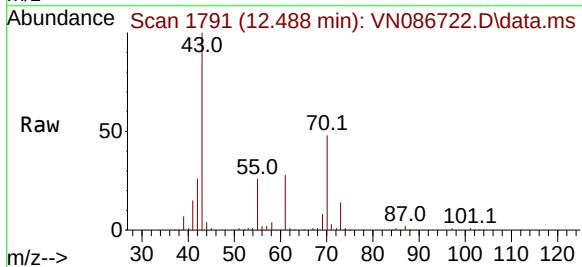
05/22/2025
Supervised By :Mahesh
Dadoda

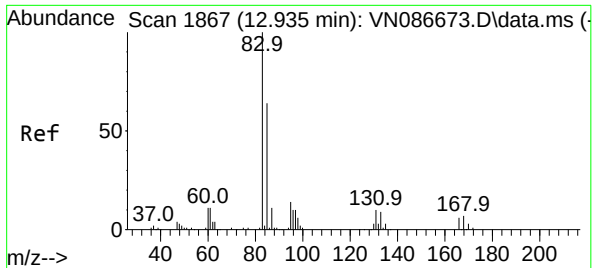
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#74
N-ethyl acetate
Concen: 47.257 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

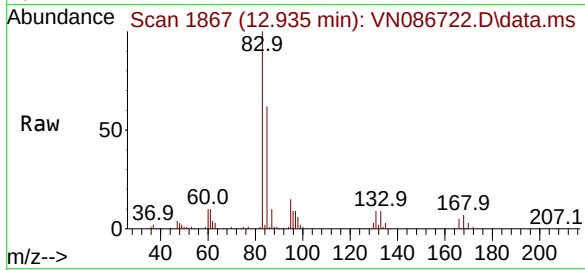
Tgt Ion: 43 Resp: 221086
Ion Ratio Lower Upper
43 100
70 47.8 37.9 56.9
55 26.3 20.5 30.7
61 26.9 21.7 32.5





#75
1,1,2,2-Tetrachloroethane
Concen: 44.987 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



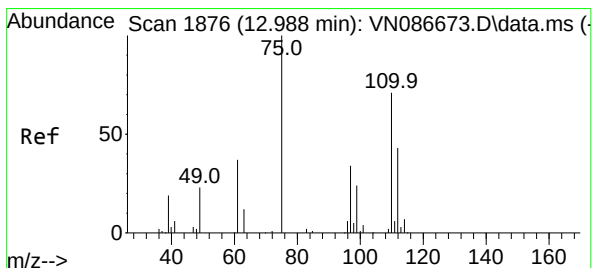
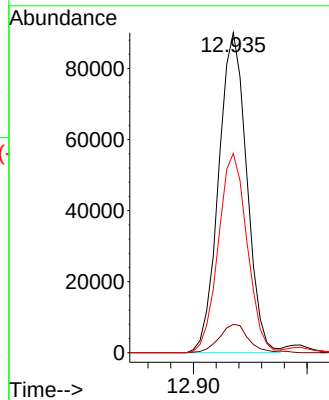
Tgt Ion: 83 Resp: 154750
Ion Ratio Lower Upper
83 100
131 9.3 5.0 15.0
85 63.8 32.4 97.2

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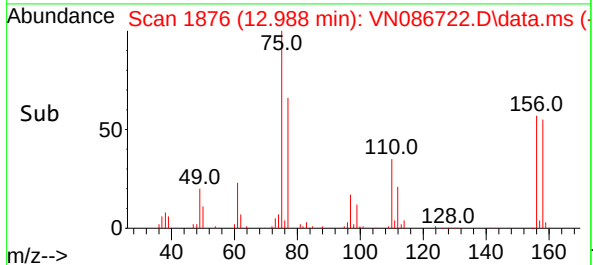
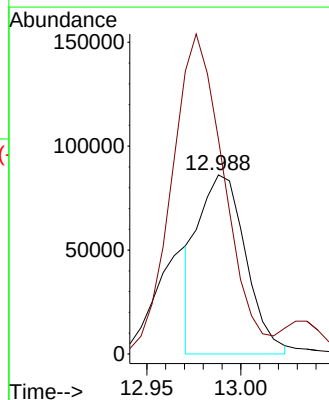
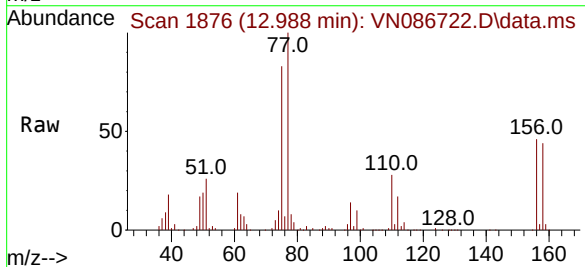
05/22/2025
Supervised By :Mahesh
Dadoda

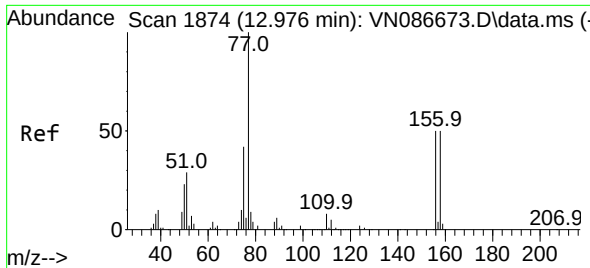
05/22/2025



#76
1,2,3-Trichloropropane
Concen: 45.840 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

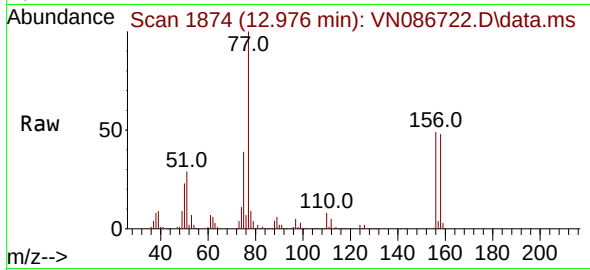
Tgt Ion: 75 Resp: 150303
Ion Ratio Lower Upper
75 100
77 199.7 96.0 288.1





#77
Bromobenzene
Concen: 46.577 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



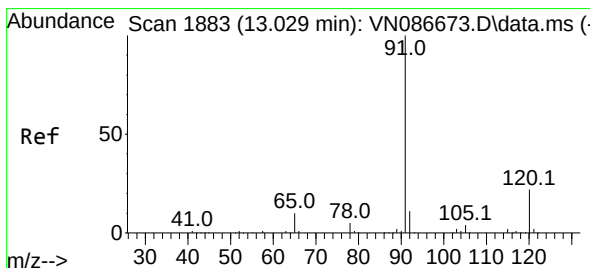
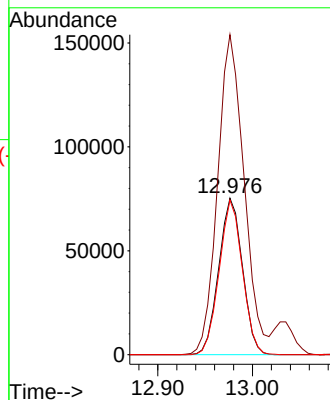
Tgt Ion:156 Resp: 13119
Ion Ratio Lower Upper
156 100
77 228.8 113.1 339.2
158 96.6 48.6 145.9

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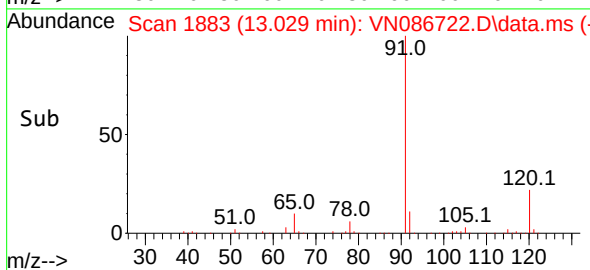
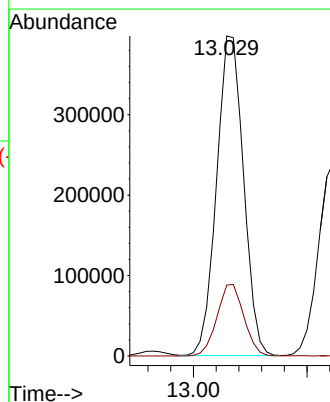
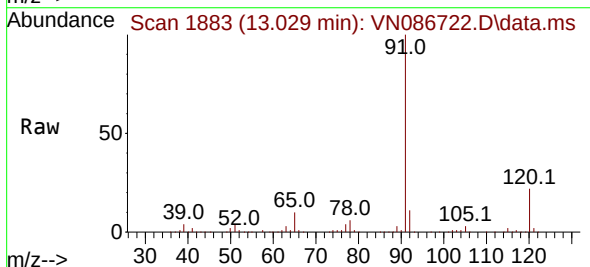
05/22/2025
Supervised By :Mahesh
Dadoda

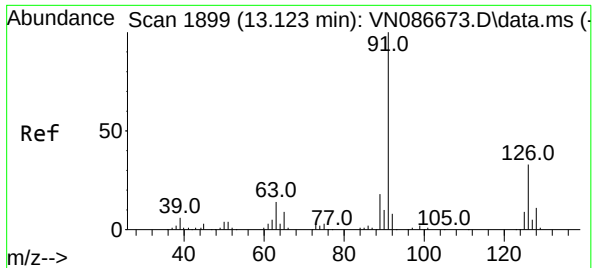
05/22/2025



#78
n-propylbenzene
Concen: 50.935 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Tgt Ion: 91 Resp: 654516
Ion Ratio Lower Upper
91 100
120 22.3 11.4 34.1





#79

2-Chlorotoluene

Concen: 48.878 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN086722.D

Acq: 21 May 2025 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 40838

Ion Ratio Lower Upper

91 100

126 33.0 16.6 49.7

Manual Integrations

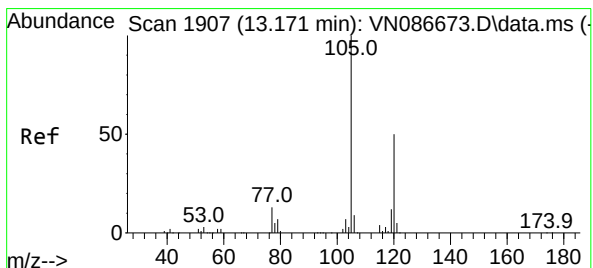
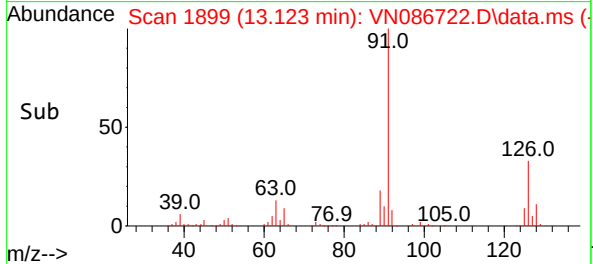
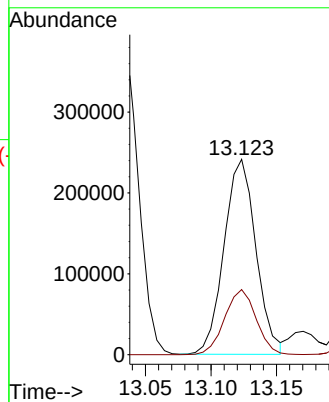
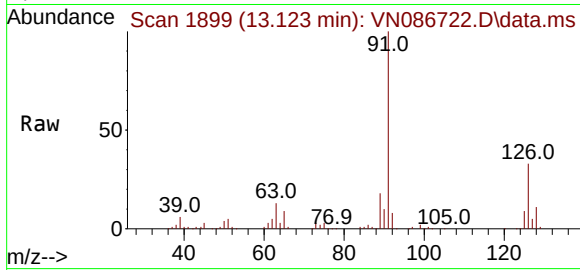
APPROVED

Reviewed By :John
Carlone

05/22/2025

Supervised By :Mahesh
Dadoda

05/22/2025



#80

1,3,5-Trimethylbenzene

Concen: 50.915 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN086722.D

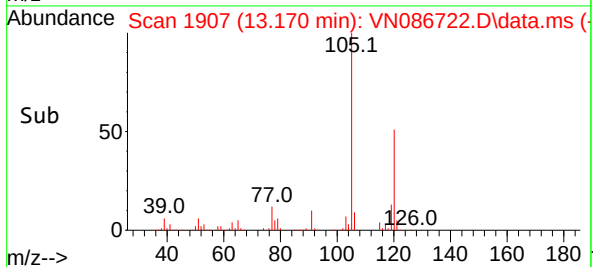
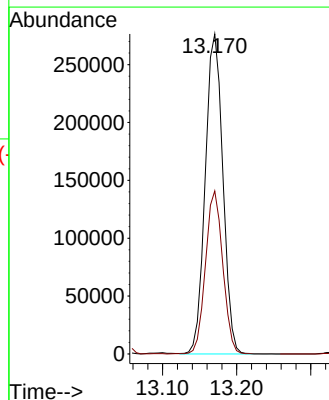
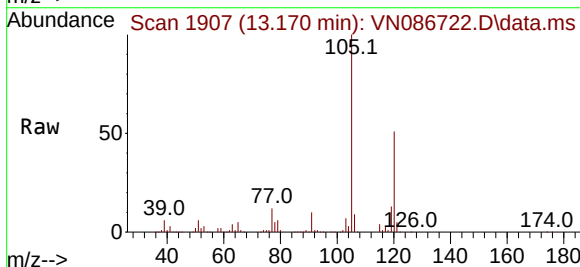
Acq: 21 May 2025 11:10

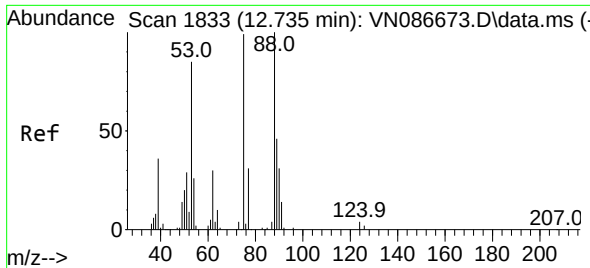
Tgt Ion:105 Resp: 456764

Ion Ratio Lower Upper

105 100

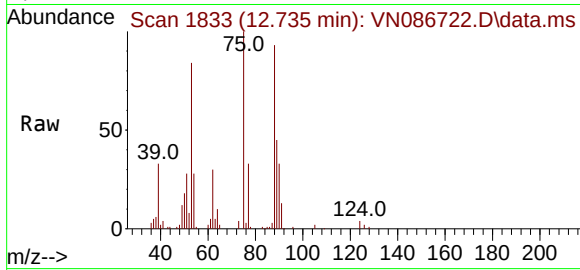
120 49.9 24.9 74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 52.078 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



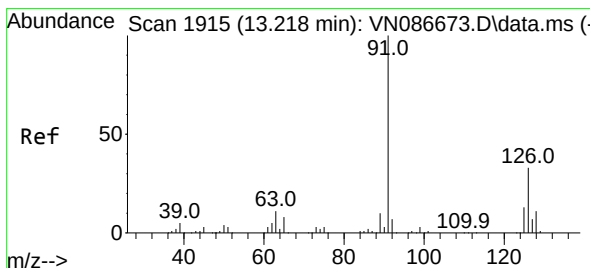
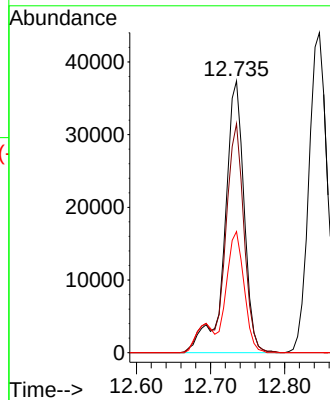
Tgt Ion: 75 Resp: 67662
Ion Ratio Lower Upper
75 100
53 78.4 70.4 105.6
89 40.9 32.4 48.6

Manual Integrations
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Reviewed By :John
Carlone

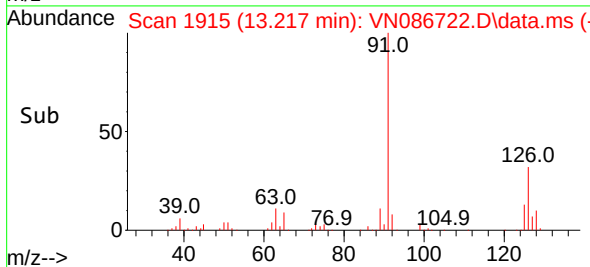
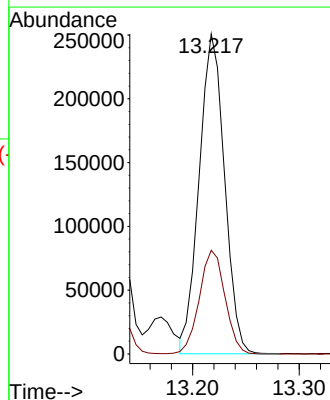
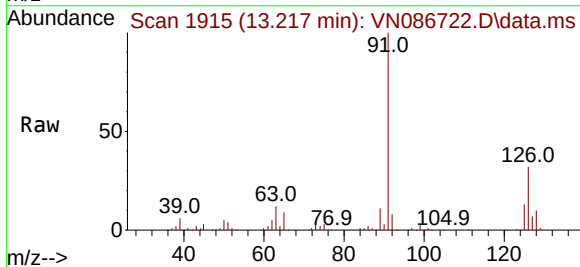
05/22/2025
Supervised By :Mahesh
Dadoda

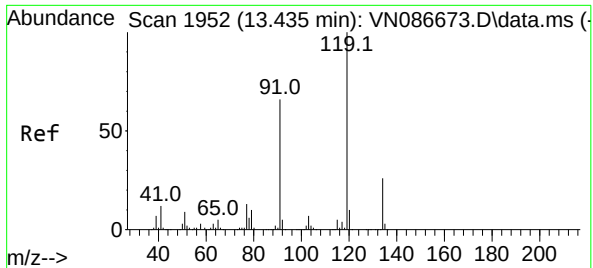
05/22/2025



#82
4-Chlorotoluene
Concen: 50.091 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

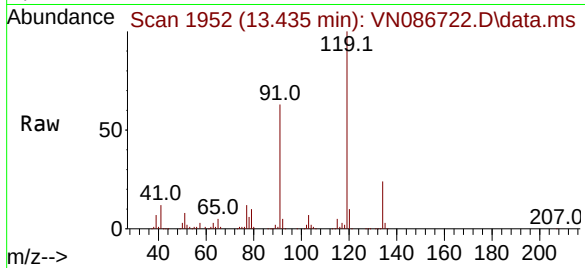
Tgt Ion: 91 Resp: 414638
Ion Ratio Lower Upper
91 100
126 32.8 17.0 50.9





#83
tert-Butylbenzene
Concen: 48.840 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



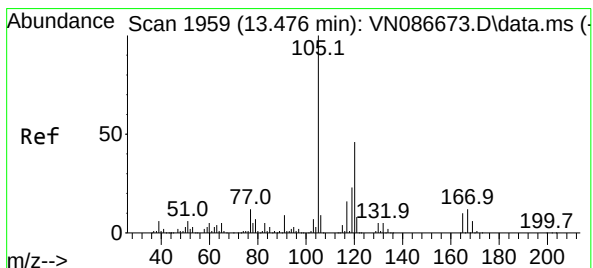
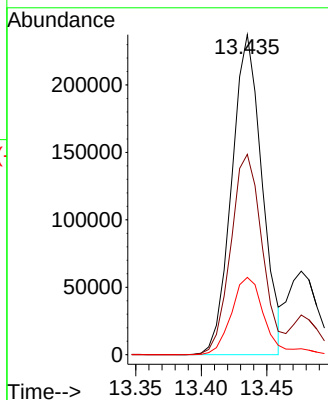
Tgt Ion:119 Resp: 382099
Ion Ratio Lower Upper
119 100
91 65.7 32.9 98.7
134 26.6 13.4 40.1

Manual Integrations
APPROVED

Reviewed By :John
Carlone

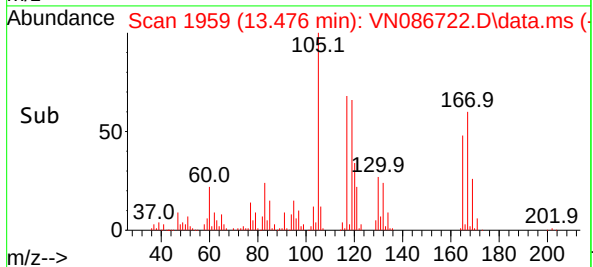
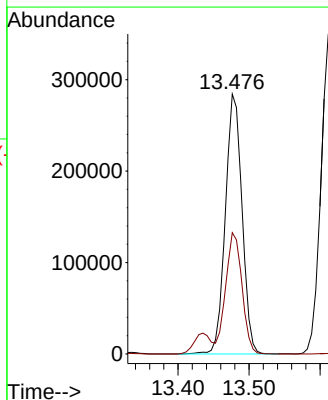
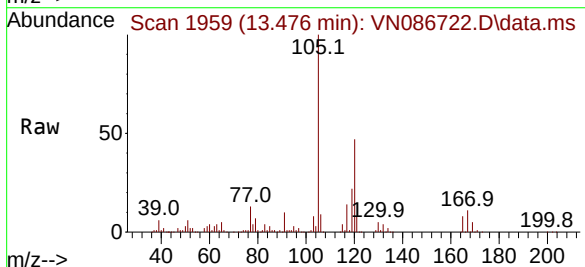
05/22/2025
Supervised By :Mahesh
Dadoda

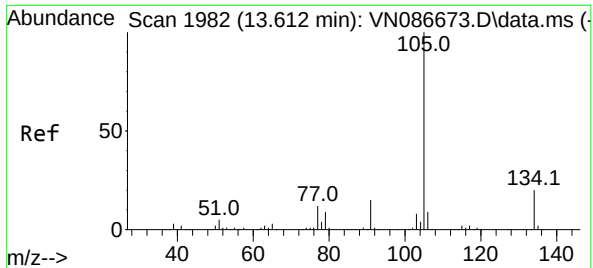
05/22/2025



#84
1,2,4-Trimethylbenzene
Concen: 51.881 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

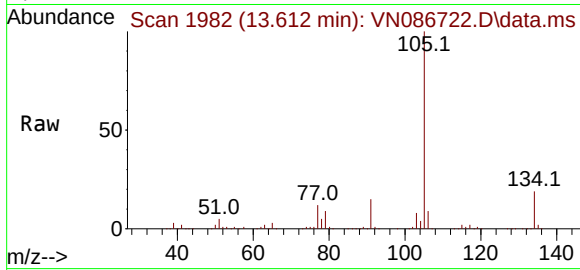
Tgt Ion:105 Resp: 463485
Ion Ratio Lower Upper
105 100
120 45.4 23.2 69.6





#85
 sec-Butylbenzene
 Concen: 52.121 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN086722.D
 Acq: 21 May 2025 11:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050



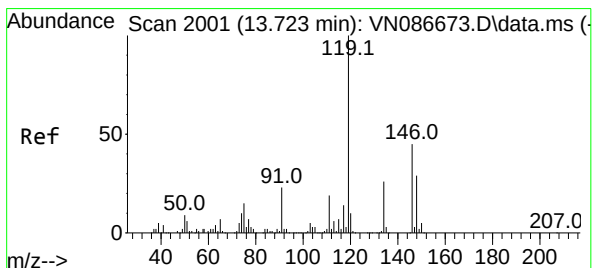
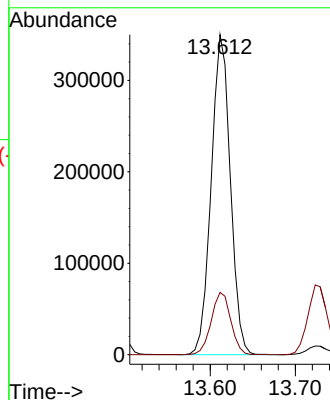
Tgt Ion:105 Resp: 546759
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.1 30.1

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

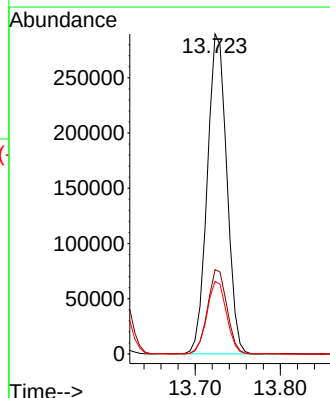
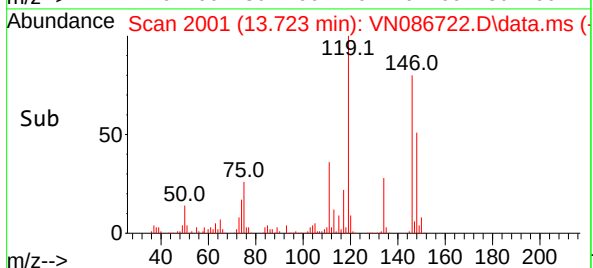
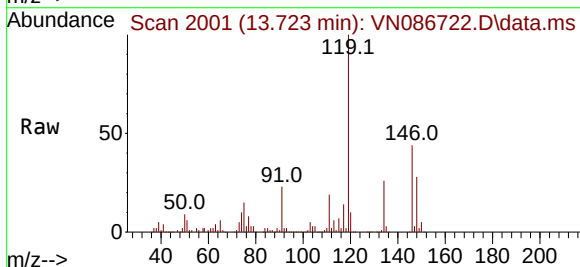
05/22/2025
 Supervised By :Mahesh
 Dadoda

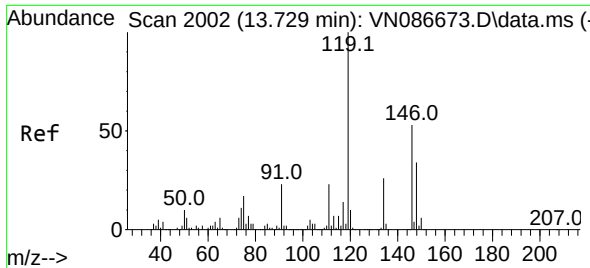
05/22/2025



#86
 p-Isopropyltoluene
 Concen: 53.531 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. -0.000 min
 Lab File: VN086722.D
 Acq: 21 May 2025 11:10

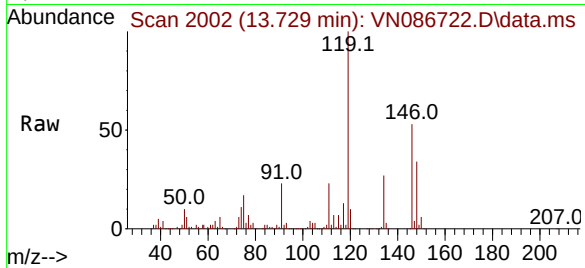
Tgt Ion:119 Resp: 460296
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.1
 91 22.9 11.5 34.5





#87
1,3-Dichlorobenzene
Concen: 51.150 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



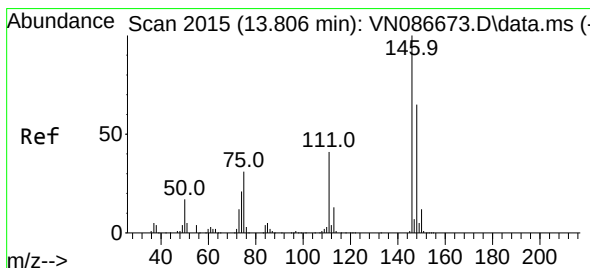
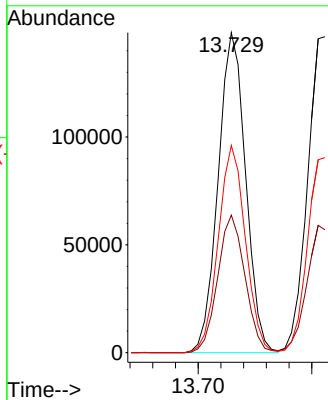
Tgt Ion:146 Resp: 249489
Ion Ratio Lower Upper
146 100
111 42.7 20.9 62.7
148 64.0 31.8 95.4

Manual Integrations
APPROVED

Reviewed By :John
Carlone

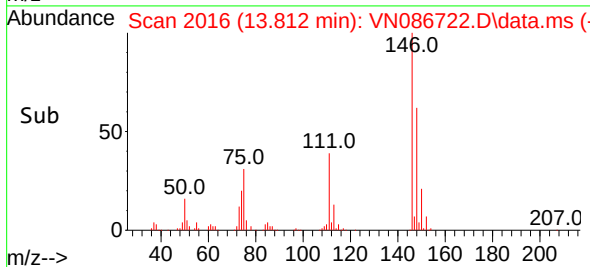
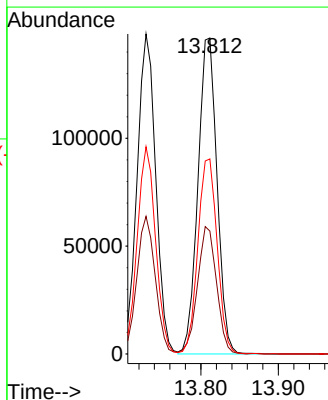
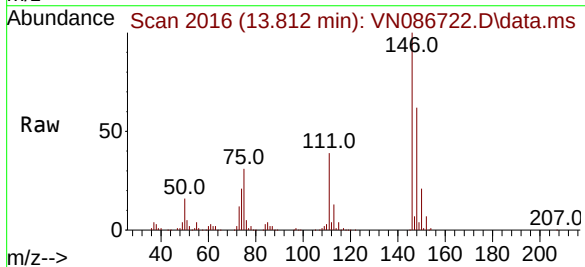
05/22/2025
Supervised By :Mahesh
Dadoda

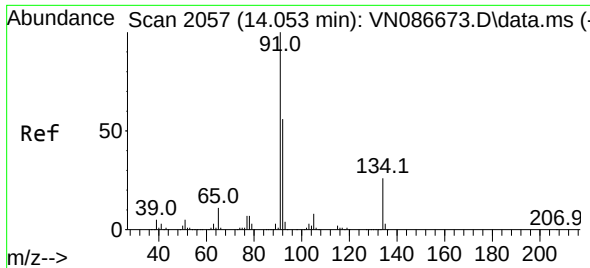
05/22/2025



#88
1,4-Dichlorobenzene
Concen: 51.935 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.006 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Tgt Ion:146 Resp: 250982
Ion Ratio Lower Upper
146 100
111 40.3 20.6 61.8
148 62.6 32.0 96.0





#89

n-Butylbenzene

Concen: 55.241 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086722.D

Acq: 21 May 2025 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 393778

Ion Ratio Lower Upper

91 100

92 54.3 27.4 82.0

134 25.6 12.8 38.4

Manual Integrations

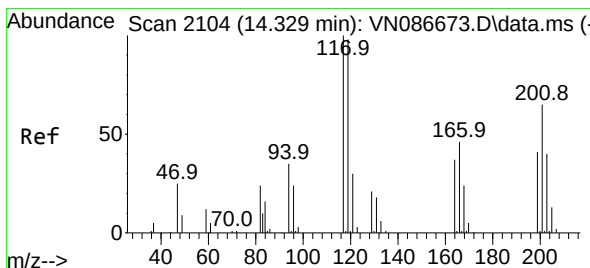
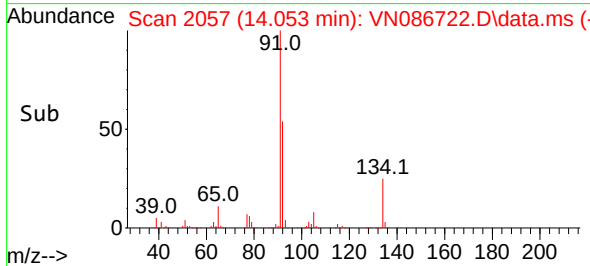
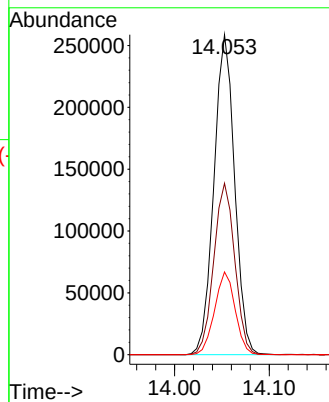
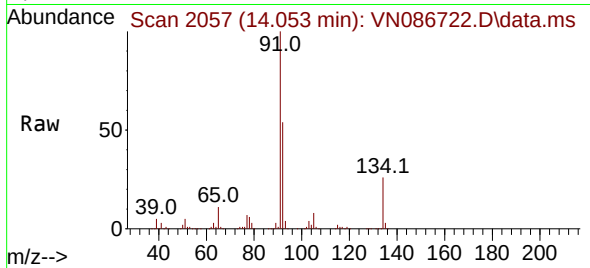
APPROVED

Reviewed By :John
Carlone

05/22/2025

Supervised By :Mahesh
Dadoda

05/22/2025



#90

Hexachloroethane

Concen: 52.332 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. -0.000 min

Lab File: VN086722.D

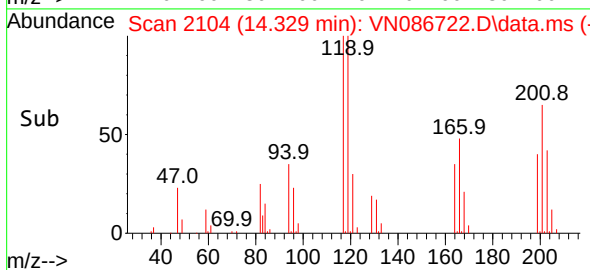
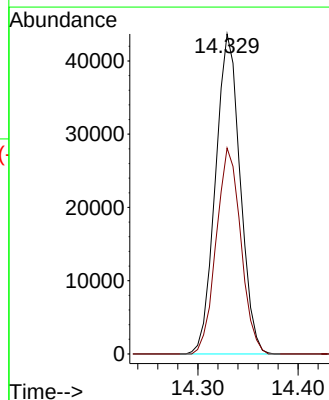
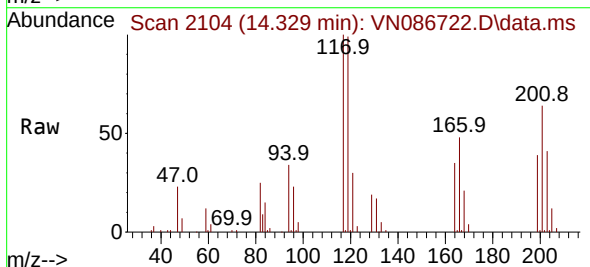
Acq: 21 May 2025 11:10

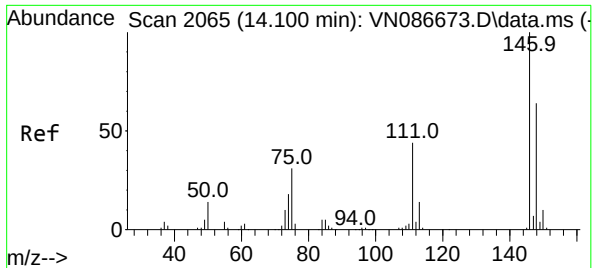
Tgt Ion:117 Resp: 74662

Ion Ratio Lower Upper

117 100

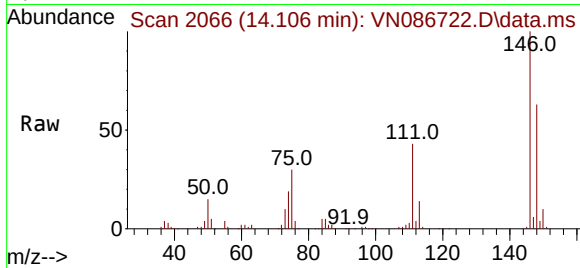
201 64.2 32.0 96.0





#91
1,2-Dichlorobenzene
Concen: 51.284 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



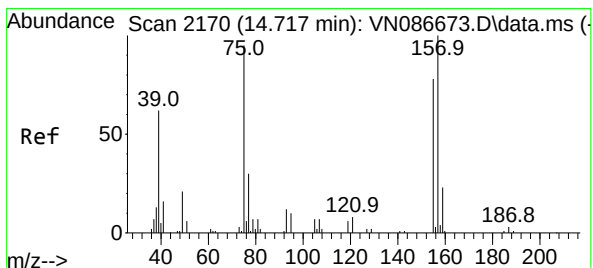
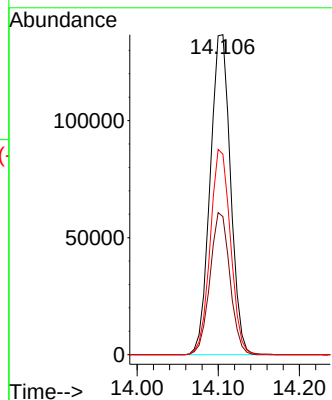
Tgt Ion:146 Resp: 237910
Ion Ratio Lower Upper
146 100
111 43.5 21.6 65.0
148 64.0 31.7 95.1

Manual Integrations
APPROVED

Reviewed By :John
Carlone

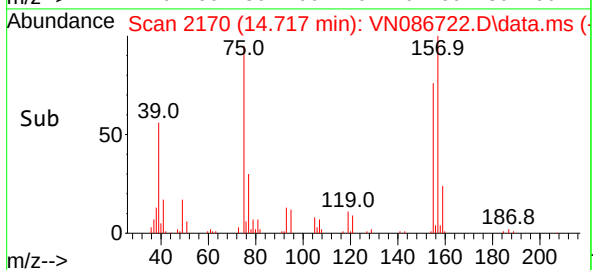
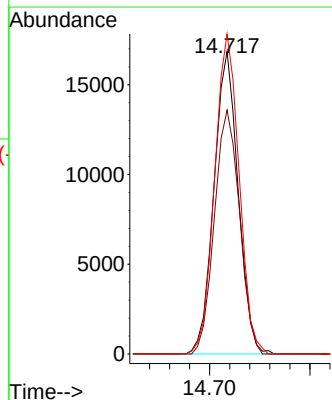
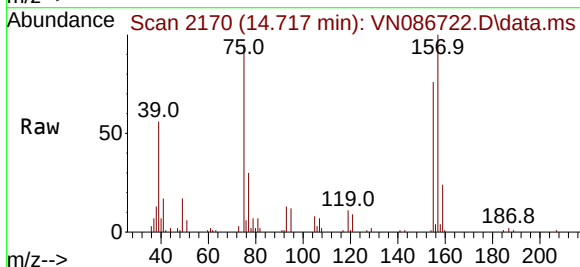
05/22/2025
Supervised By :Mahesh
Dadoda

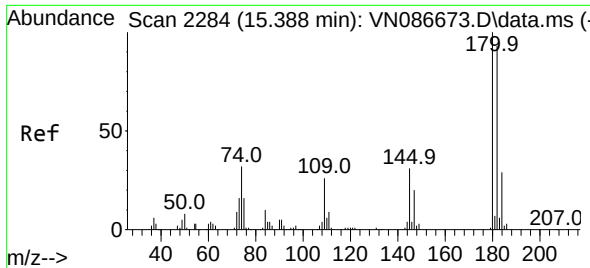
05/22/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 49.451 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

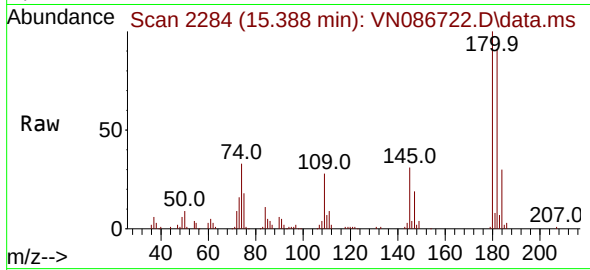
Tgt Ion: 75 Resp: 28181
Ion Ratio Lower Upper
75 100
155 83.6 40.5 121.5
157 106.8 53.6 160.8





#93
1,2,4-Trichlorobenzene
Concen: 53.676 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



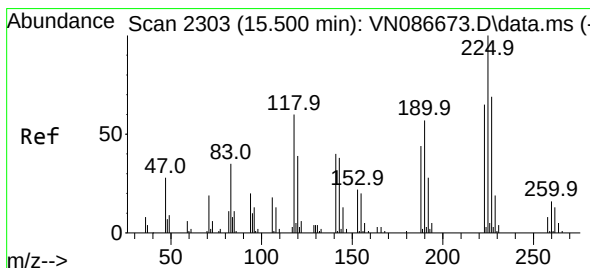
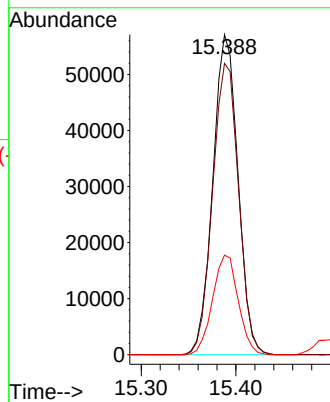
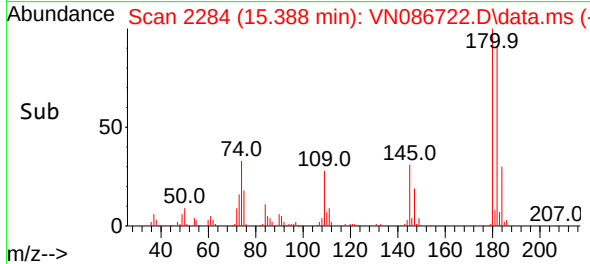
Tgt Ion:180 Resp: 105110
Ion Ratio Lower Upper
180 100
182 94.2 47.1 141.3
145 31.8 15.6 46.8

Manual Integrations
APPROVED

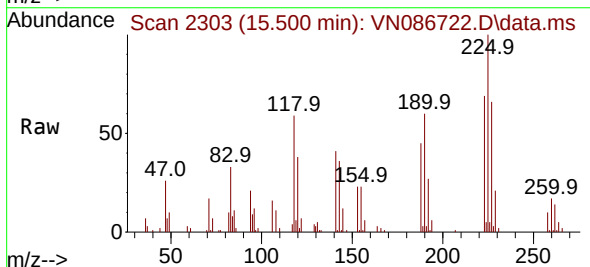
Reviewed By :John
Carlone

05/22/2025
Supervised By :Mahesh
Dadoda

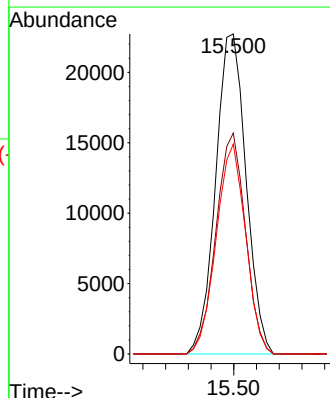
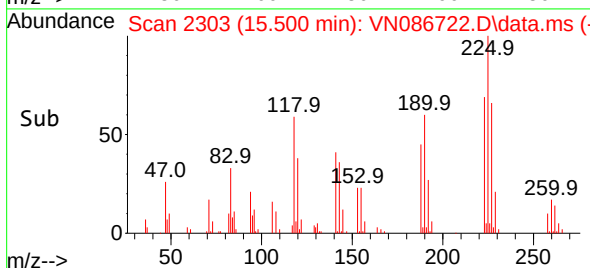
05/22/2025

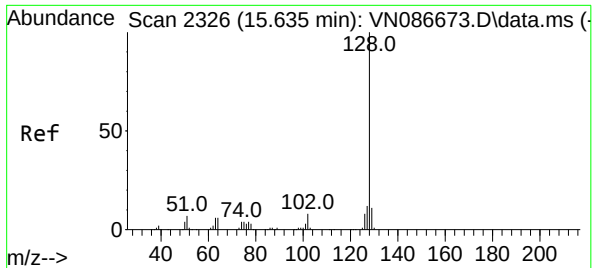


#94
Hexachlorobutadiene
Concen: 52.069 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10



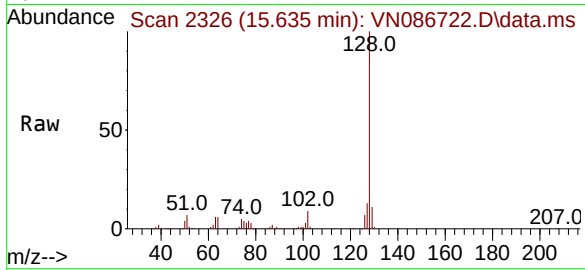
Tgt Ion:225 Resp: 42304
Ion Ratio Lower Upper
225 100
223 66.8 32.9 98.6
227 63.4 32.4 97.2





#95
Naphthalene
Concen: 49.483 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



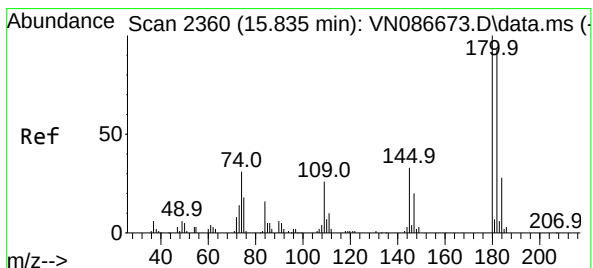
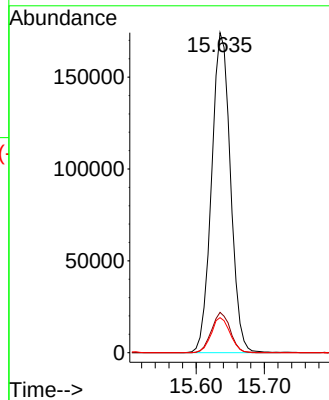
Tgt Ion:128 Resp: 33645
Ion Ratio Lower Upper
128 100
127 12.4 10.1 15.1
129 10.9 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John
Carlone

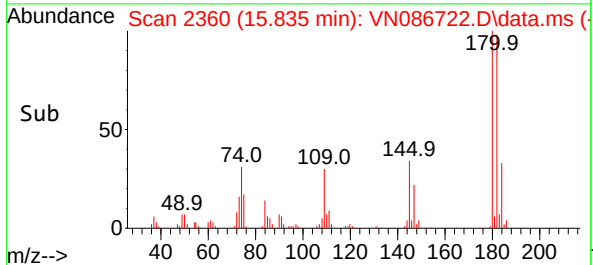
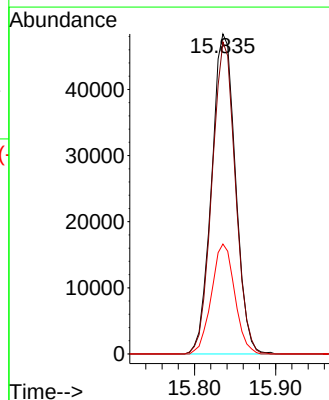
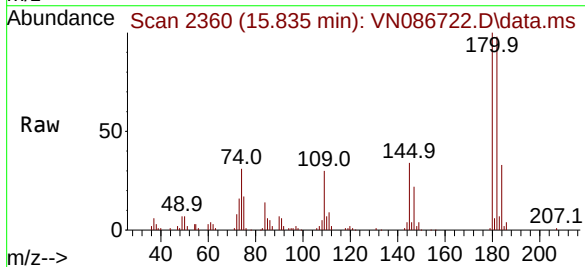
05/22/2025
Supervised By :Mahesh
Dadoda

05/22/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.603 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086722.D
Acq: 21 May 2025 11:10

Tgt Ion:180 Resp: 98958
Ion Ratio Lower Upper
180 100
182 95.3 47.0 141.2
145 33.5 16.7 50.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
 Data File : VN086722.D
 Acq On : 21 May 2025 11:10
 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 22 01:18:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 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	91	0.00
2 T	Dichlorodifluoromethane	0.540	0.636	-17.8	96	0.00
3 P	Chloromethane	0.817	0.852	-4.3	99	0.00
4 C	Vinyl Chloride	0.733	0.782	-6.7#	94	0.00
5 T	Bromomethane	0.423	0.412	2.6	93	0.01
6 T	Chloroethane	0.480	0.492	-2.5	96	0.00
7 T	Trichlorofluoromethane	0.877	0.928	-5.8	96	0.00
8 T	Diethyl Ether	0.362	0.381	-5.2	96	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.525	0.572	-9.0	98	0.00
10 T	Methyl Iodide	0.653	0.629	3.7	88	0.00
11 T	Tert butyl alcohol	0.126	0.115	8.7	86	0.00
12 CM	1,1-Dichloroethene	0.558	0.579	-3.8#	96	0.00
13 T	Acrolein	0.135	0.141	-4.4	96	0.00
14 T	Allyl chloride	0.844	0.888	-5.2	98	0.00
15 T	Acrylonitrile	0.312	0.321	-2.9	94	0.00
16 T	Acetone	0.258	0.242	6.2	91	0.00
17 T	Carbon Disulfide	1.544	1.645	-6.5	97	0.00
18 T	Methyl Acetate	0.723	0.699	3.3	96	0.00
19 T	Methyl tert-butyl Ether	1.899	1.983	-4.4	94	0.00
20 T	Methylene Chloride	0.682	0.679	0.4	98	0.00
21 T	trans-1,2-Dichloroethene	0.590	0.618	-4.7	97	0.00
22 T	Diisopropyl ether	1.904	2.047	-7.5	97	0.00
23 T	Vinyl Acetate	1.431	1.496	-4.5	93	0.00
24 P	1,1-Dichloroethane	1.118	1.170	-4.7	96	0.00
25 T	2-Butanone	0.399	0.400	-0.3	90	0.00
26 T	2,2-Dichloropropane	0.923	0.990	-7.3	101	0.00
27 T	cis-1,2-Dichloroethene	0.724	0.743	-2.6	95	0.00
28 T	Bromochloromethane	0.508	0.514	-1.2	92	0.00
29 T	Tetrahydrofuran	0.261	0.265	-1.5	91	0.00
30 C	Chloroform	1.119	1.149	-2.7#	95	0.00
31 T	Cyclohexane	1.037	1.046	-0.9	97	0.00
32 T	1,1,1-Trichloroethane	0.944	0.976	-3.4	94	0.00
33 S	1,2-Dichloroethane-d4	0.691	0.701	-1.4	92	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
35 S	Dibromofluoromethane	0.298	0.307	-3.0	93	0.00
36 T	1,1-Dichloropropene	0.439	0.465	-5.9	97	0.00
37 T	Ethyl Acetate	0.444	0.433	2.5	90	0.00
38 T	Carbon Tetrachloride	0.433	0.457	-5.5	96	0.00
39 T	Methylcyclohexane	0.475	0.520	-9.5	98	0.00
40 TM	Benzene	1.433	1.494	-4.3	96	0.00
41 T	Methacrylonitrile	0.240	0.244	-1.7	92	0.00
42 TM	1,2-Dichloroethane	0.446	0.453	-1.6	94	0.00
43 T	Isopropyl Acetate	0.889	0.772	13.2	91	0.00
44 TM	Trichloroethene	0.346	0.363	-4.9	96	0.00
45 C	1,2-Dichloropropane	0.340	0.364	-7.1#	98	0.00
46 T	Dibromomethane	0.230	0.237	-3.0	94	0.00
47 T	Bromodichloromethane	0.473	0.501	-5.9	96	0.00
48 T	Methyl methacrylate	0.345	0.351	-1.7	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
 Data File : VN086722.D
 Acq On : 21 May 2025 11:10
 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 22 01:18:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 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	89	0.00
50 S	Toluene-d8	1.234	1.283	-4.0	93	0.00
51 T	4-Methyl-2-Pentanone	0.449	0.450	-0.2	90	0.00
52 CM	Toluene	0.891	0.932	-4.6#	95	0.00
53 T	t-1,3-Dichloropropene	0.501	0.542	-8.2	95	0.00
54 T	cis-1,3-Dichloropropene	0.547	0.590	-7.9	98	0.00
55 T	1,1,2-Trichloroethane	0.332	0.337	-1.5	95	0.00
56 T	Ethyl methacrylate	0.533	0.566	-6.2	92	0.00
57 T	1,3-Dichloropropane	0.572	0.593	-3.7	95	0.00
58 T	2-Chloroethyl Vinyl ether	0.238	0.253	-6.3	88	0.00
59 T	2-Hexanone	0.328	0.329	-0.3	89	0.00
60 T	Dibromochloromethane	0.348	0.370	-6.3	96	0.00
61 T	1,2-Dibromoethane	0.334	0.342	-2.4	93	0.00
62 S	4-Bromofluorobenzene	0.436	0.469	-7.6	94	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
64 T	Tetrachloroethene	0.383	0.414	-8.1	101	0.00
65 PM	Chlorobenzene	1.096	1.139	-3.9	97	0.00
66 T	1,1,1,2-Tetrachloroethane	0.354	0.368	-4.0	95	0.00
67 C	Ethyl Benzene	1.878	1.985	-5.7#	96	0.00
68 T	m/p-Xylenes	0.711	0.771	-8.4	97	0.00
69 T	o-Xylene	0.707	0.749	-5.9	93	0.00
70 T	Styrene	1.158	1.272	-9.8	95	0.00
71 P	Bromoform	0.252	0.264	-4.8	91	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
73 T	Isopropylbenzene	3.862	3.741	3.1	96	0.00
74 T	N-amyl acetate	1.613	1.525	5.5	92	0.00
75 P	1,1,2,2-Tetrachloroethane	1.186	1.067	10.0	92	0.00
76 T	1,2,3-Trichloropropane	1.131	1.037	8.3	91	0.00
77 T	Bromobenzene	0.971	0.905	6.8	94	0.00
78 T	n-propylbenzene	4.432	4.515	-1.9	98	0.00
79 T	2-Chlorotoluene	2.882	2.817	2.3	96	0.00
80 T	1,3,5-Trimethylbenzene	3.094	3.151	-1.8	98	0.00
81 T	trans-1,4-Dichloro-2-butene	0.448	0.467	-4.2	94	0.00
82 T	4-Chlorotoluene	2.855	2.860	-0.2	98	0.00
83 T	tert-Butylbenzene	2.698	2.636	2.3	96	0.00
84 T	1,2,4-Trimethylbenzene	3.081	3.197	-3.8	97	0.00
85 T	sec-Butylbenzene	3.618	3.771	-4.2	99	0.00
86 T	p-Isopropyltoluene	2.965	3.175	-7.1	99	0.00
87 T	1,3-Dichlorobenzene	1.682	1.721	-2.3	98	0.00
88 T	1,4-Dichlorobenzene	1.667	1.731	-3.8	99	0.00
89 T	n-Butylbenzene	2.458	2.716	-10.5	101	0.00
90 T	Hexachloroethane	0.492	0.515	-4.7	99	0.00
91 T	1,2-Dichlorobenzene	1.600	1.641	-2.6	96	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.197	0.194	1.5	88	0.00
93 T	1,2,4-Trichlorobenzene	0.675	0.725	-7.4	96	0.00
94 T	Hexachlorobutadiene	0.280	0.292	-4.3	101	0.00
95 T	Naphthalene	2.345	2.321	1.0	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
Data File : VN086722.D
Acq On : 21 May 2025 11:10
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 22 01:18:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 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	0.661	0.683	-3.3	95	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
Data File : VN086722.D
Acq On : 21 May 2025 11:10
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 22 01:18:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 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	91	0.00
2 T	Dichlorodifluoromethane	50.000	58.870	-17.7	96	0.00
3 P	Chloromethane	50.000	52.184	-4.4	99	0.00
4 C	Vinyl Chloride	50.000	53.325	-6.7#	94	0.00
5 T	Bromomethane	50.000	48.684	2.6	93	0.01
6 T	Chloroethane	50.000	51.152	-2.3	96	0.00
7 T	Trichlorofluoromethane	50.000	52.954	-5.9	96	0.00
8 T	Diethyl Ether	50.000	52.665	-5.3	96	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	54.477	-9.0	98	0.00
10 T	Methyl Iodide	50.000	48.193	3.6	88	0.00
11 T	Tert butyl alcohol	250.000	228.112	8.8	86	0.00
12 CM	1,1-Dichloroethene	50.000	51.901	-3.8#	96	0.00
13 T	Acrolein	250.000	262.961	-5.2	96	0.00
14 T	Allyl chloride	50.000	52.579	-5.2	98	0.00
15 T	Acrylonitrile	250.000	257.566	-3.0	94	0.00
16 T	Acetone	250.000	234.441	6.2	91	0.00
17 T	Carbon Disulfide	50.000	53.269	-6.5	97	0.00
18 T	Methyl Acetate	50.000	48.312	3.4	96	0.00
19 T	Methyl tert-butyl Ether	50.000	52.203	-4.4	94	0.00
20 T	Methylene Chloride	50.000	49.812	0.4	98	0.00
21 T	trans-1,2-Dichloroethene	50.000	52.374	-4.7	97	0.00
22 T	Diisopropyl ether	50.000	53.737	-7.5	97	0.00
23 T	Vinyl Acetate	250.000	261.239	-4.5	93	0.00
24 P	1,1-Dichloroethane	50.000	52.317	-4.6	96	0.00
25 T	2-Butanone	250.000	250.212	-0.1	90	0.00
26 T	2,2-Dichloropropane	50.000	53.646	-7.3	101	0.00
27 T	cis-1,2-Dichloroethene	50.000	51.323	-2.6	95	0.00
28 T	Bromochloromethane	50.000	50.562	-1.1	92	0.00
29 T	Tetrahydrofuran	250.000	253.670	-1.5	91	0.00
30 C	Chloroform	50.000	51.346	-2.7#	95	0.00
31 T	Cyclohexane	50.000	50.444	-0.9	97	0.00
32 T	1,1,1-Trichloroethane	50.000	51.729	-3.5	94	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.735	-1.5	92	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	90	0.00
35 S	Dibromofluoromethane	50.000	51.518	-3.0	93	0.00
36 T	1,1-Dichloropropene	50.000	52.936	-5.9	97	0.00
37 T	Ethyl Acetate	50.000	48.813	2.4	90	0.00
38 T	Carbon Tetrachloride	50.000	52.805	-5.6	96	0.00
39 T	Methylcyclohexane	50.000	54.644	-9.3	98	0.00
40 TM	Benzene	50.000	52.122	-4.2	96	0.00
41 T	Methacrylonitrile	50.000	50.954	-1.9	92	0.00
42 TM	1,2-Dichloroethane	50.000	50.786	-1.6	94	0.00
43 T	Isopropyl Acetate	50.000	43.376	13.2	91	0.00
44 TM	Trichloroethene	50.000	52.450	-4.9	96	0.00
45 C	1,2-Dichloropropane	50.000	53.419	-6.8#	98	0.00
46 T	Dibromomethane	50.000	51.509	-3.0	94	0.00
47 T	Bromodichloromethane	50.000	52.985	-6.0	96	0.00
48 T	Methyl methacrylate	50.000	50.991	-2.0	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
 Data File : VN086722.D
 Acq On : 21 May 2025 11:10
 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 22 01:18:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 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	1008.620	-0.9	89	0.00
50 S	Toluene-d8	50.000	51.988	-4.0	93	0.00
51 T	4-Methyl-2-Pentanone	250.000	250.764	-0.3	90	0.00
52 CM	Toluene	50.000	52.340	-4.7#	95	0.00
53 T	t-1,3-Dichloropropene	50.000	54.103	-8.2	95	0.00
54 T	cis-1,3-Dichloropropene	50.000	53.933	-7.9	98	0.00
55 T	1,1,2-Trichloroethane	50.000	50.737	-1.5	95	0.00
56 T	Ethyl methacrylate	50.000	53.047	-6.1	92	0.00
57 T	1,3-Dichloropropane	50.000	51.768	-3.5	95	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	264.980	-6.0	88	0.00
59 T	2-Hexanone	250.000	251.092	-0.4	89	0.00
60 T	Dibromochloromethane	50.000	53.161	-6.3	96	0.00
61 T	1,2-Dibromoethane	50.000	51.179	-2.4	93	0.00
62 S	4-Bromofluorobenzene	50.000	53.877	-7.8	94	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	90	0.00
64 T	Tetrachloroethene	50.000	54.103	-8.2	101	0.00
65 PM	Chlorobenzene	50.000	51.963	-3.9	97	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.007	-4.0	95	0.00
67 C	Ethyl Benzene	50.000	52.840	-5.7#	96	0.00
68 T	m/p-Xylenes	100.000	108.385	-8.4	97	0.00
69 T	o-Xylene	50.000	52.969	-5.9	93	0.00
70 T	Styrene	50.000	54.925	-9.8	95	0.00
71 P	Bromoform	50.000	52.479	-5.0	91	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	91	0.00
73 T	Isopropylbenzene	50.000	48.435	3.1	96	0.00
74 T	N-amyl acetate	50.000	47.257	5.5	92	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	44.987	10.0	92	0.00
76 T	1,2,3-Trichloropropane	50.000	45.840	8.3	91	0.00
77 T	Bromobenzene	50.000	46.577	6.8	94	0.00
78 T	n-propylbenzene	50.000	50.935	-1.9	98	0.00
79 T	2-Chlorotoluene	50.000	48.878	2.2	96	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.915	-1.8	98	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	52.078	-4.2	94	0.00
82 T	4-Chlorotoluene	50.000	50.091	-0.2	98	0.00
83 T	tert-Butylbenzene	50.000	48.840	2.3	96	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.881	-3.8	97	0.00
85 T	sec-Butylbenzene	50.000	52.121	-4.2	99	0.00
86 T	p-Isopropyltoluene	50.000	53.531	-7.1	99	0.00
87 T	1,3-Dichlorobenzene	50.000	51.150	-2.3	98	0.00
88 T	1,4-Dichlorobenzene	50.000	51.935	-3.9	99	0.00
89 T	n-Butylbenzene	50.000	55.241	-10.5	101	0.00
90 T	Hexachloroethane	50.000	52.332	-4.7	99	0.00
91 T	1,2-Dichlorobenzene	50.000	51.284	-2.6	96	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.451	1.1	88	0.00
93 T	1,2,4-Trichlorobenzene	50.000	53.676	-7.4	96	0.00
94 T	Hexachlorobutadiene	50.000	52.069	-4.1	101	0.00
95 T	Naphthalene	50.000	49.483	1.0	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
Data File : VN086722.D
Acq On : 21 May 2025 11:10
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 22 01:18:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 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	51.603	-3.2	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2079 SAS No.: Q2079 SDG No.: Q2079

Instrument ID: MSVOA_N Calibration Date/Time: 05/22/2025 08:21

Lab File ID: VN086750.D Init. Calib. Date(s): 05/16/2025 05/16/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 16:31 18:32

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.733	0.639		-12.82	20
1,1-Dichloroethene	0.558	0.523		-6.27	20
2-Butanone	0.399	0.327		-18.05	20
Carbon Tetrachloride	0.433	0.429		-0.92	20
Chloroform	1.119	0.975		-12.87	20
Benzene	1.433	1.359		-5.16	20
1,2-Dichloroethane	0.446	0.396		-11.21	20
Trichloroethene	0.346	0.360		4.05	20
Tetrachloroethene	0.383	0.420		9.66	20
Chlorobenzene	1.096	1.093	0.3	-0.27	20
1,2-Dichloroethane-d4	0.691	0.561		-18.81	20
Dibromofluoromethane	0.298	0.288		-3.36	20
Toluene-d8	1.234	1.187		-3.81	20
4-Bromofluorobenzene	0.436	0.423		-2.98	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\VN052225\
 Data File : VN086750.D
 Acq On : 22 May 2025 08:21
 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 05/23/2025
 Supervised By : Mahesh Dadoda 05/23/2025

Quant Time: May 23 01:29:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	268645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	454328	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	397309	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	188336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	150631	40.577	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	81.160%		
35) Dibromofluoromethane	8.165	113	130768	48.330	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.660%		
50) Toluene-d8	10.565	98	539281	48.096	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.200%		
62) 4-Bromofluorobenzene	12.847	95	192277	48.566	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.140%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	142100	48.980	ug/l	100
3) Chloromethane	2.359	50	177578	40.468	ug/l	98
4) Vinyl Chloride	2.512	62	171712	43.572	ug/l	98
5) Bromomethane	2.948	94	93279	41.058	ug/l	97
6) Chloroethane	3.118	64	107933	41.808	ug/l	96
7) Trichlorofluoromethane	3.495	101	220101	46.735	ug/l	97
8) Diethyl Ether	3.959	74	90022	46.270	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.365	101	139452	49.460	ug/l	97
10) Methyl Iodide	4.583	142	157580	44.931	ug/l	97
11) Tert butyl alcohol	5.512	59	136652	202.124	ug/l	100
12) 1,1-Dichloroethene	4.342	96	140374	46.848	ug/l	97
13) Acrolein	4.177	56	183518	253.918	ug/l	99
14) Allyl chloride	5.018	41	188967	41.666	ug/l	94
15) Acrylonitrile	5.712	53	355858	212.585	ug/l	100
16) Acetone	4.424	43	285763	205.792	ug/l	94
17) Carbon Disulfide	4.712	76	373189	44.984	ug/l	99
18) Methyl Acetate	5.018	43	147771	38.021	ug/l	95
19) Methyl tert-butyl Ether	5.789	73	465365	45.612	ug/l	99
20) Methylene Chloride	5.271	84	155642	42.475	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	146800	46.338	ug/l	95
22) Diisopropyl ether	6.665	45	434610	42.476	ug/l	96
23) Vinyl Acetate	6.594	43	1609963	209.360	ug/l	98
24) 1,1-Dichloroethane	6.565	63	259048	43.122	ug/l	98
25) 2-Butanone	7.477	43	439082	204.626	ug/l	95
26) 2,2-Dichloropropane	7.489	77	233544	47.109	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	176369	45.356	ug/l	97
28) Bromochloromethane	7.806	49	113388	41.544	ug/l	88
29) Tetrahydrofuran	7.836	42	284293	202.982	ug/l	95
30) Chloroform	7.959	83	261897	43.557	ug/l	100
31) Cyclohexane	8.253	56	227226	40.785	ug/l	92
32) 1,1,1-Trichloroethane	8.165	97	225797	44.540	ug/l	97
36) 1,1-Dichloropropene	8.371	75	193624	48.515	ug/l	99
37) Ethyl Acetate	7.553	43	170671	42.334	ug/l	98
38) Carbon Tetrachloride	8.359	117	194806	49.540	ug/l	99
39) Methylcyclohexane	9.594	83	220772	51.110	ug/l	97
40) Benzene	8.600	78	617321	47.415	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052225\
 Data File : VN086750.D
 Acq On : 22 May 2025 08:21
 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 05/23/2025
 Supervised By : Mahesh Dadoda 05/23/2025

Quant Time: May 23 01:29:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	94456	43.393	ug/l	94
42) 1,2-Dichloroethane	8.665	62	179813	44.331	ug/l	98
43) Isopropyl Acetate	8.683	43	303653	37.572	ug/l	95
44) Trichloroethene	9.347	130	163686	52.126	ug/l	98
45) 1,2-Dichloropropane	9.618	63	144864	46.838	ug/l	99
46) Dibromomethane	9.706	93	99046	47.460	ug/l	97
47) Bromodichloromethane	9.882	83	207343	48.219	ug/l	99
48) Methyl methacrylate	9.677	41	137836	44.012	ug/l	93
49) 1,4-Dioxane	9.688	88	62408	941.089	ug/l #	93
51) 4-Methyl-2-Pentanone	10.441	43	867486	212.844	ug/l	96
52) Toluene	10.624	92	393237	48.596	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	227886	50.055	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	245896	49.478	ug/l	95
55) 1,1,2-Trichloroethane	11.012	97	141966	47.031	ug/l	98
56) Ethyl methacrylate	10.871	69	240637	49.651	ug/l	92
57) 1,3-Dichloropropane	11.159	76	244868	47.088	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	542149	250.294	ug/l	96
59) 2-Hexanone	11.194	43	635492	213.518	ug/l	96
60) Dibromochloromethane	11.359	129	160829	50.840	ug/l	99
61) 1,2-Dibromoethane	11.465	107	145555	47.986	ug/l	99
64) Tetrachloroethene	11.100	164	166680	54.764	ug/l	95
65) Chlorobenzene	11.888	112	434264	49.845	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	142827	50.782	ug/l	99
67) Ethyl Benzene	11.959	91	739840	49.578	ug/l	98
68) m/p-Xylenes	12.065	106	584293	103.375	ug/l	96
69) o-Xylene	12.394	106	284069	50.553	ug/l	100
70) Styrene	12.406	104	478067	51.964	ug/l	99
71) Bromoform	12.576	173	107128	53.558	ug/l #	97
73) Isopropylbenzene	12.694	105	678798	46.666	ug/l	100
74) N-amyl acetate	12.488	43	249083	40.985	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	185291	41.463	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	222570m	52.254	ug/l	
77) Bromobenzene	12.976	156	170628	46.632	ug/l	93
78) n-propylbenzene	13.029	91	787287	47.163	ug/l	98
79) 2-Chlorotoluene	13.123	91	493894	45.504	ug/l	97
80) 1,3,5-Trimethylbenzene	13.171	105	565076	48.488	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	84134	49.849	ug/l	89
82) 4-Chlorotoluene	13.218	91	504030	46.872	ug/l	99
83) tert-Butylbenzene	13.435	119	480343	47.263	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	571940	49.283	ug/l	100
85) sec-Butylbenzene	13.612	105	669819	49.152	ug/l	99
86) p-Isopropyltoluene	13.723	119	578026	51.747	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	314866	49.694	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	311786	49.665	ug/l	99
89) n-Butylbenzene	14.053	91	487696	52.666	ug/l	99
90) Hexachloroethane	14.329	117	93193	50.283	ug/l	96
91) 1,2-Dichlorobenzene	14.100	146	297440	49.355	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	33939	45.845	ug/l	87
93) 1,2,4-Trichlorobenzene	15.388	180	141097	55.466	ug/l	99
94) Hexachlorobutadiene	15.500	225	57747	54.714	ug/l	97
95) Naphthalene	15.635	128	464755	52.617	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	132698	53.267	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052225\
Data File : VN086750.D
Acq On : 22 May 2025 08:21
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 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

Quant Time: May 23 01:29:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

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

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

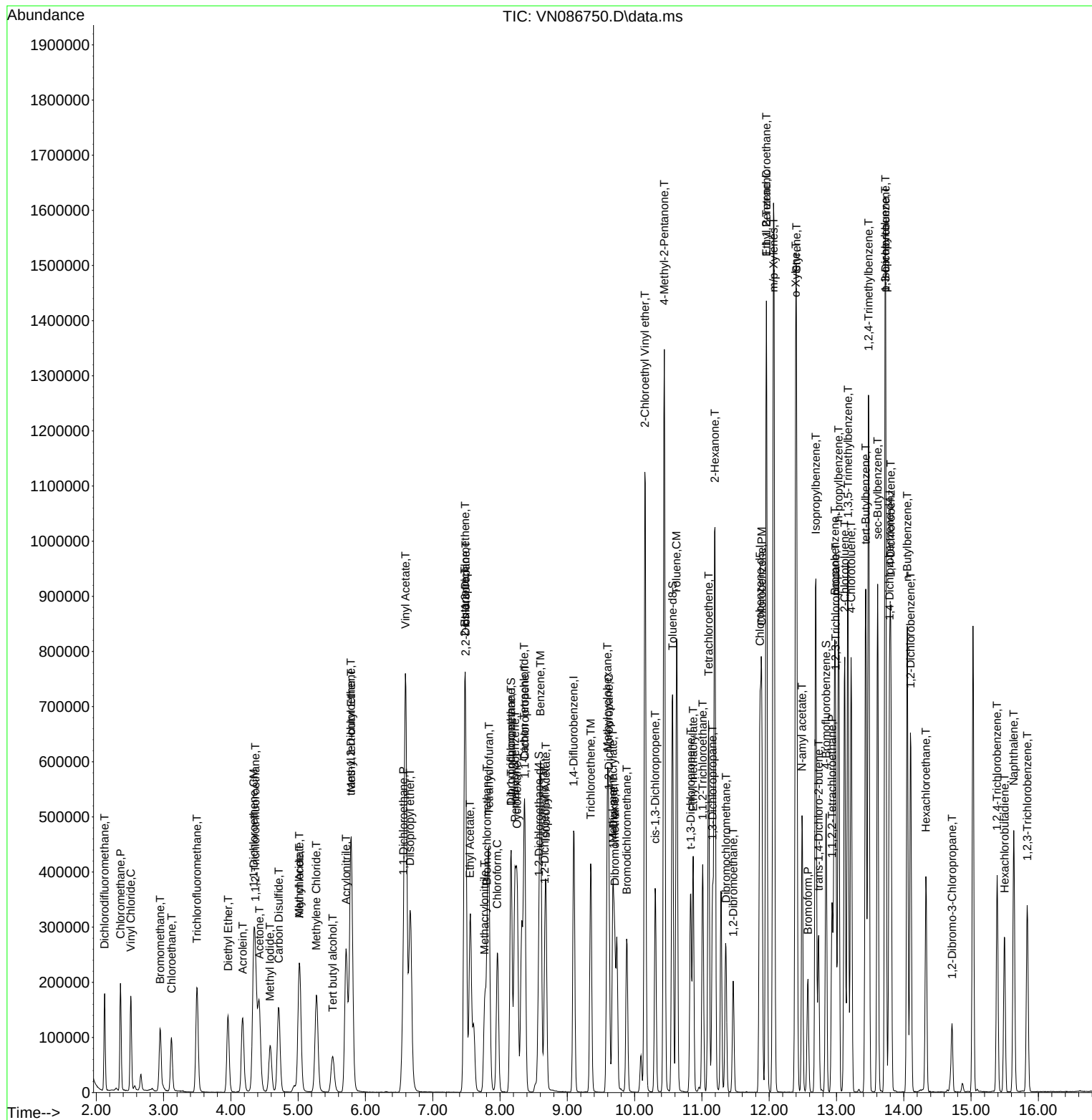
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Data File : VN086750.D
Acq On : 22 May 2025 08:21
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

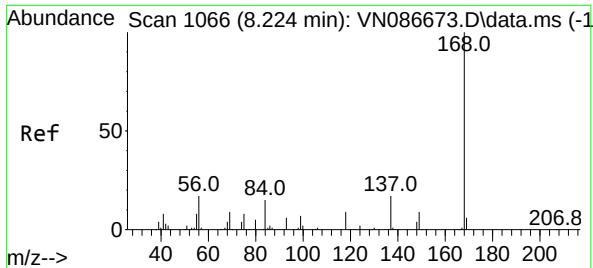
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

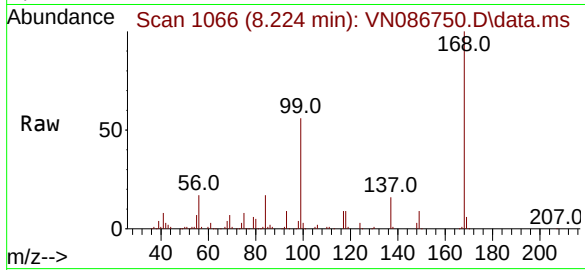
Quant Time: May 23 01:29:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

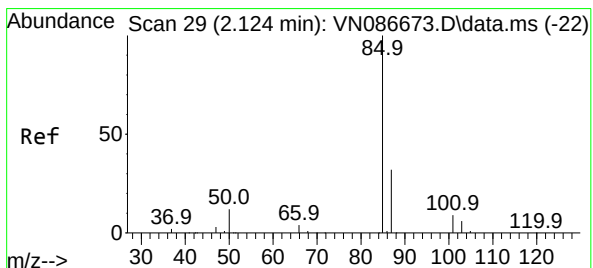
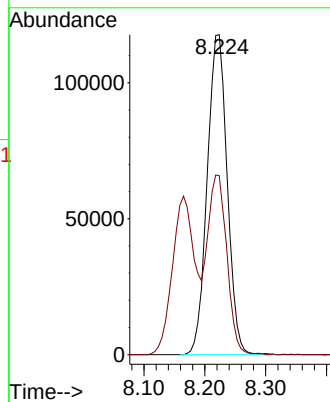
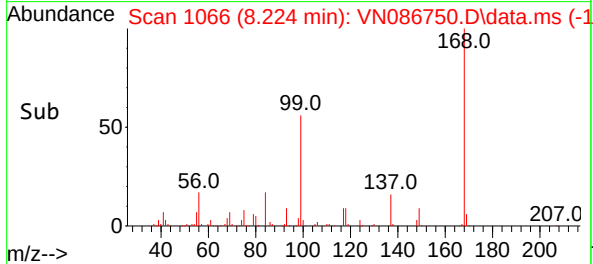
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:168 Resp: 268645
Ion Ratio Lower Upper
168 100
99 55.9 47.0 70.4

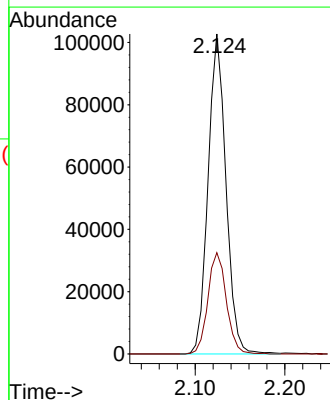
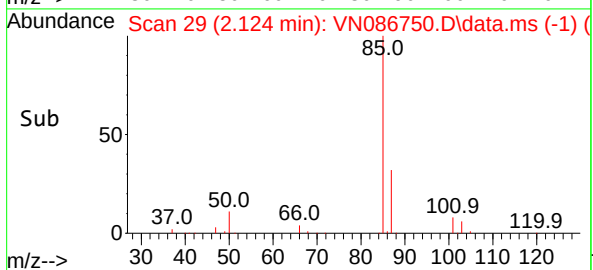
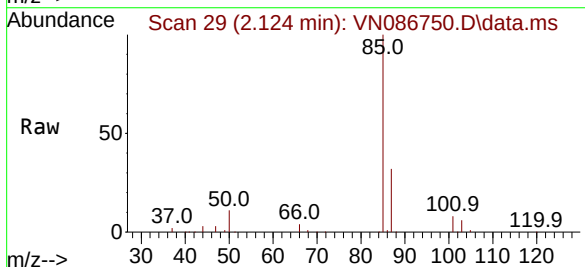
Manual Integrations
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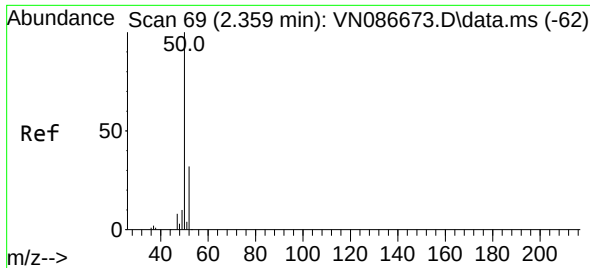
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#2
Dichlorodifluoromethane
Concen: 48.980 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

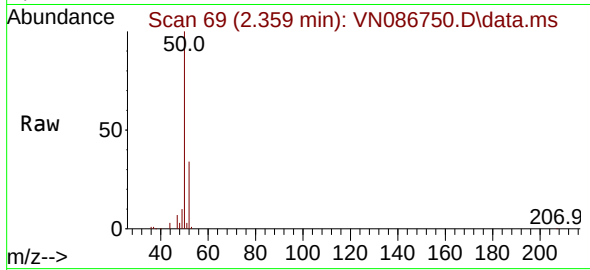
Tgt Ion: 85 Resp: 142100
Ion Ratio Lower Upper
85 100
87 31.6 15.9 47.6





#3
Chloromethane
Concen: 40.468 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

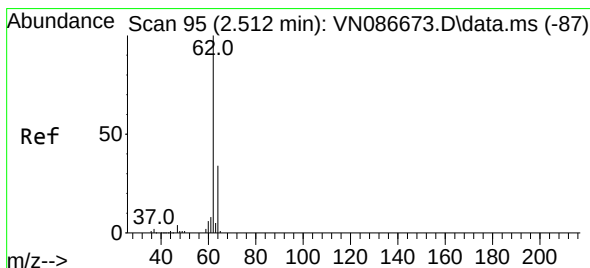
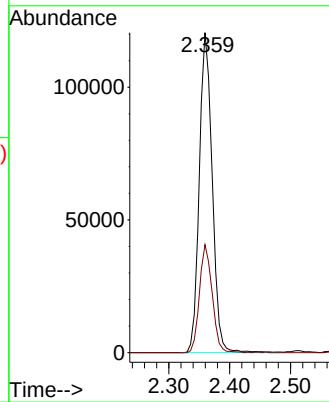
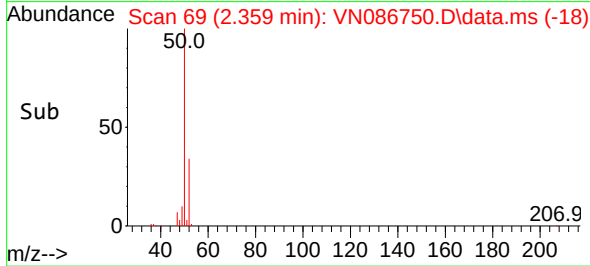
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 50 Resp: 177578
Ion Ratio Lower Upper
50 100
52 33.8 25.9 38.9

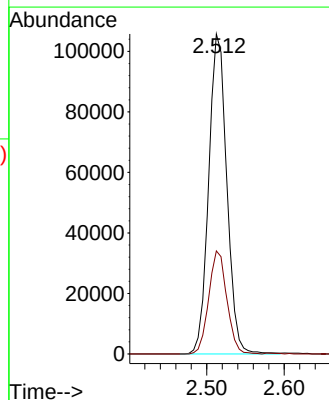
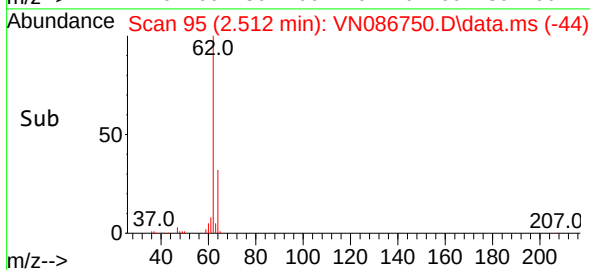
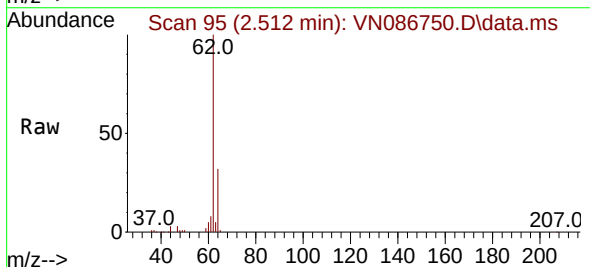
Manual Integrations
APPROVED

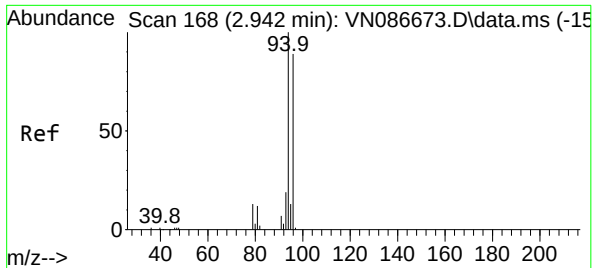
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#4
Vinyl Chloride
Concen: 43.572 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

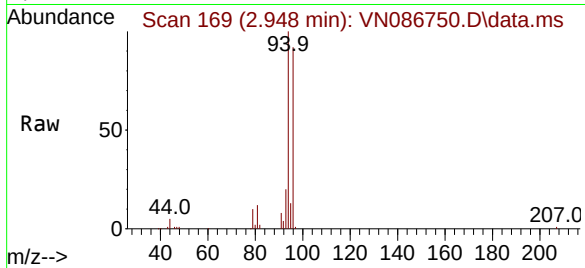
Tgt Ion: 62 Resp: 171712
Ion Ratio Lower Upper
62 100
64 32.2 26.9 40.3





#5
Bromomethane
Concen: 41.058 ug/l
RT: 2.948 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

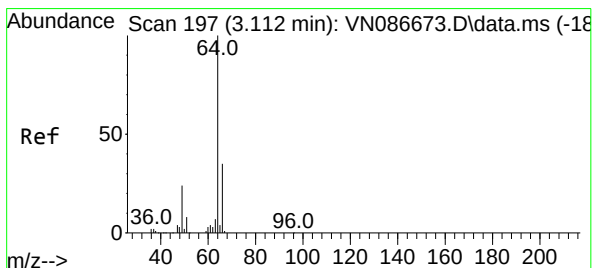
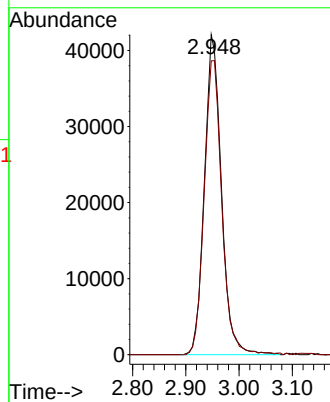
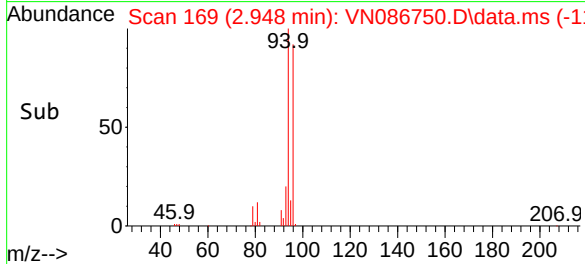
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 94 Resp: 93279
Ion Ratio Lower Upper
94 100
96 91.8 71.2 106.8

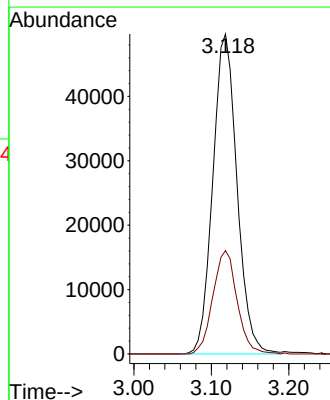
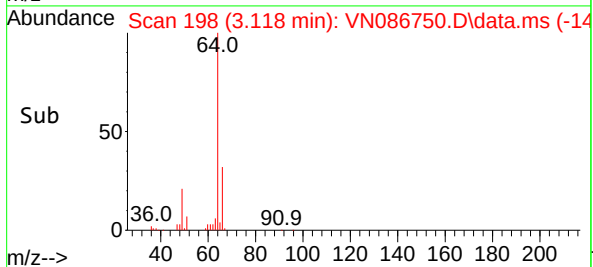
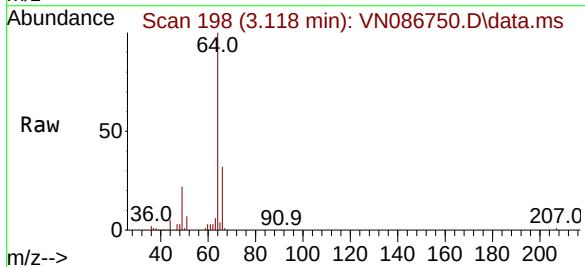
Manual Integrations
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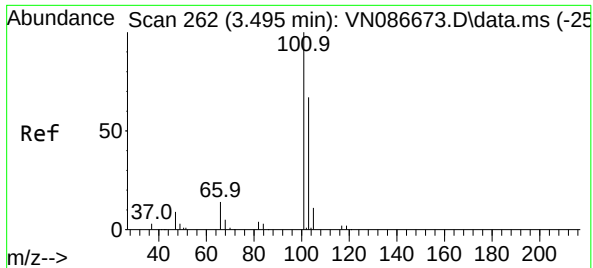
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#6
Chloroethane
Concen: 41.808 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

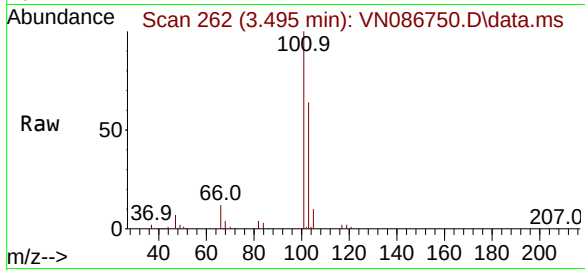
Tgt Ion: 64 Resp: 107933
Ion Ratio Lower Upper
64 100
66 32.3 27.7 41.5





#7
Trichlorofluoromethane
Concen: 46.735 ug/l
RT: 3.495 min Scan# 262
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

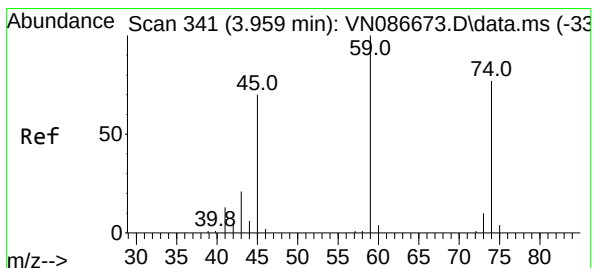
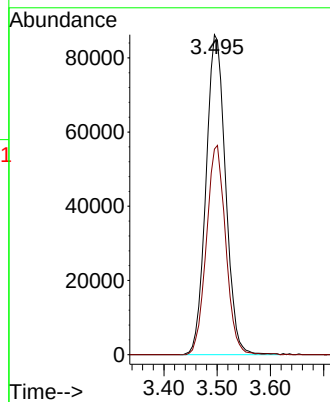
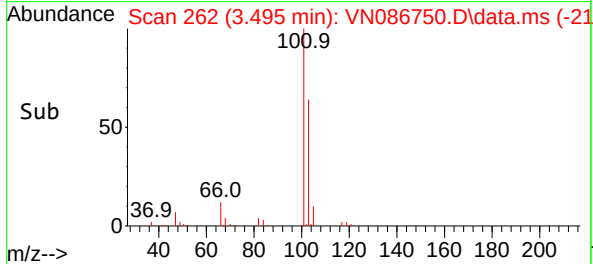
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 101 Resp: 22010
Ion Ratio Lower Upper
101 100
103 64.2 53.4 80.0

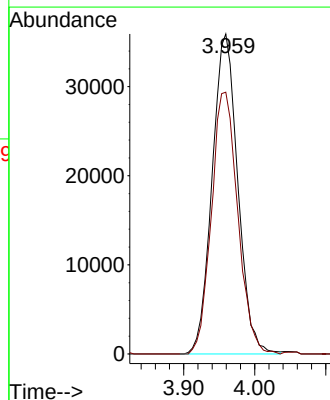
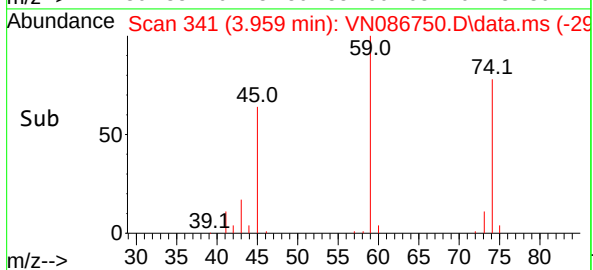
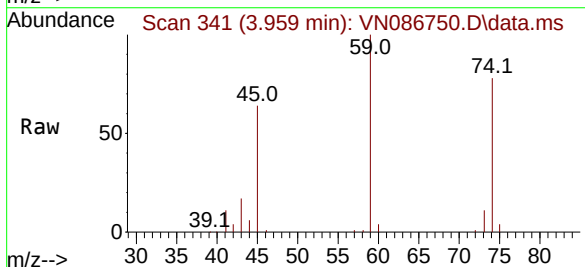
Manual Integrations
APPROVED

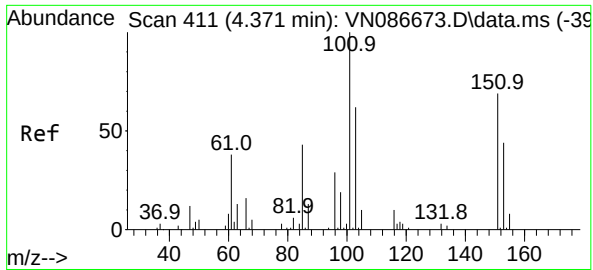
Reviewed By : John Carlone 05/23/2025
Supervised By : Mahesh Dadoda 05/23/2025



#8
Diethyl Ether
Concen: 46.270 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

Tgt Ion: 74 Resp: 90022
Ion Ratio Lower Upper
74 100
45 84.0 45.0 135.0





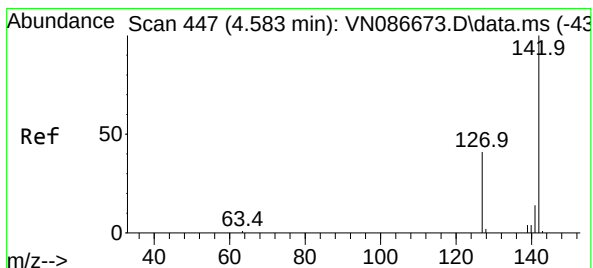
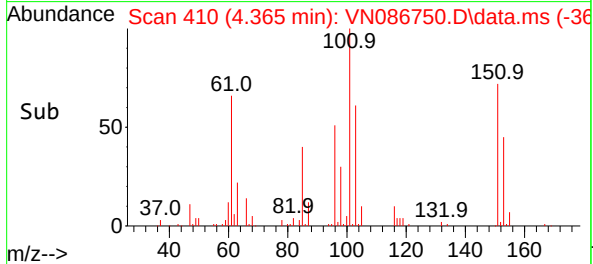
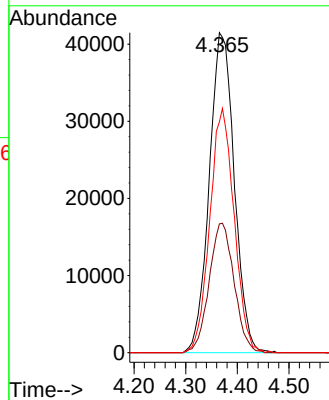
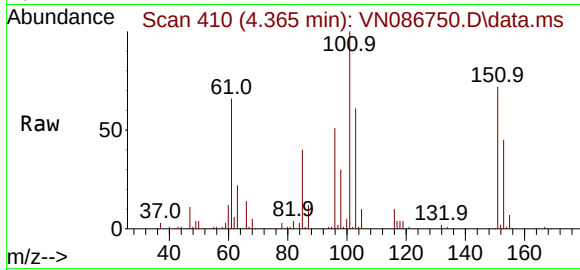
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.460 ug/l
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 139452
Ion Ratio Lower Upper
101 100
85 40.4 35.0 52.6
151 74.3 58.1 87.1

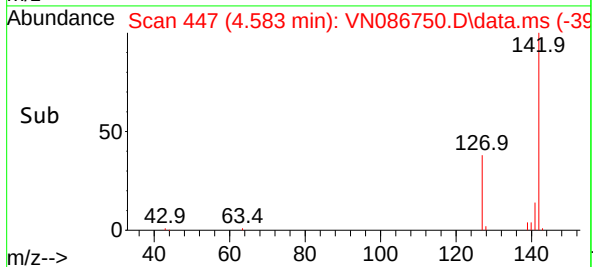
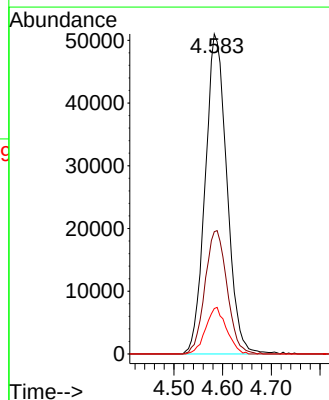
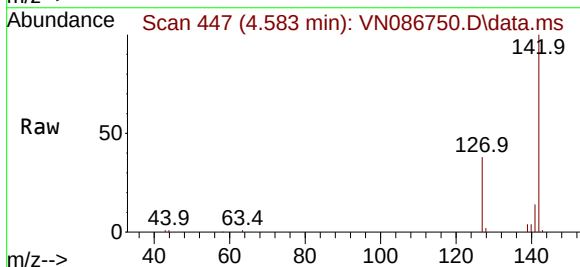
Manual Integrations
APPROVED

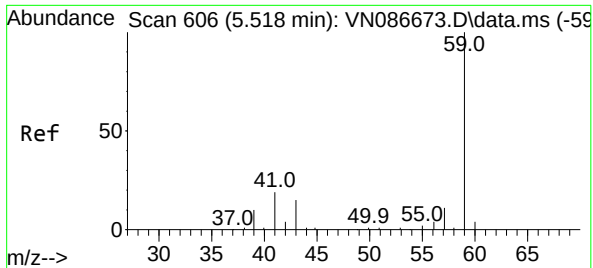
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#10
Methyl Iodide
Concen: 44.931 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

Tgt Ion:142 Resp: 157580
Ion Ratio Lower Upper
142 100
127 38.2 32.4 48.6
141 14.2 11.4 17.2





#11

Tert butyl alcohol

Concen: 202.124 ug/l

RT: 5.512 min Scan# 606

Delta R.T. -0.006 min

Lab File: VN086750.D

Acq: 22 May 2025 08:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 136652

Ion Ratio Lower Upper

59 100

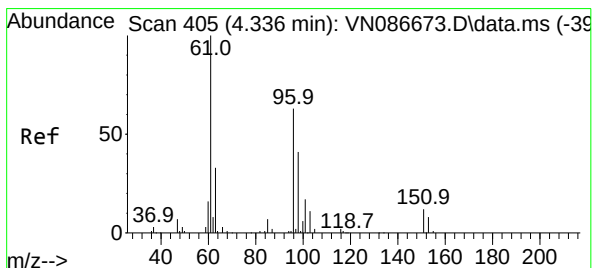
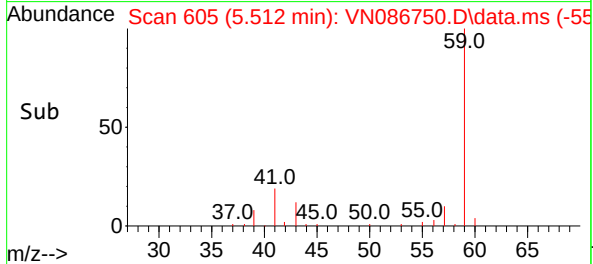
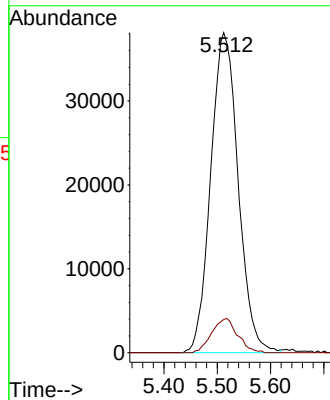
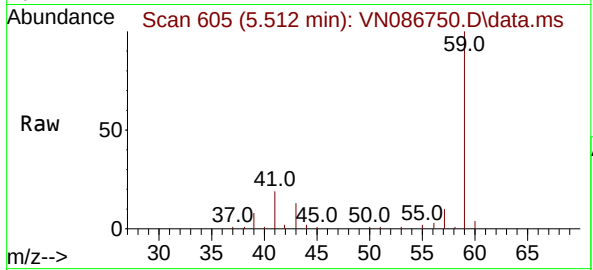
57 10.0 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#12

1,1-Dichloroethene

Concen: 46.848 ug/l

RT: 4.342 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN086750.D

Acq: 22 May 2025 08:21

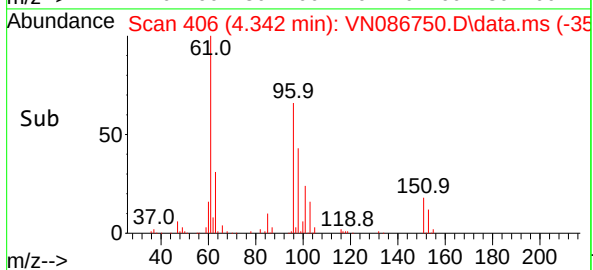
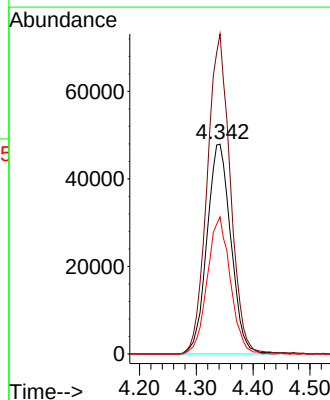
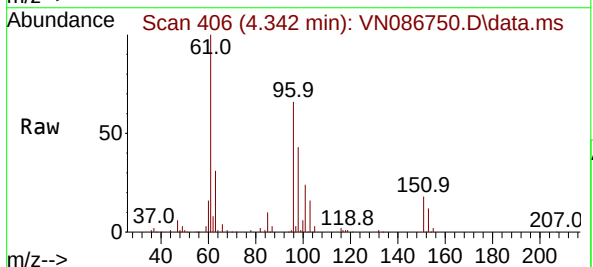
Tgt Ion: 96 Resp: 140374

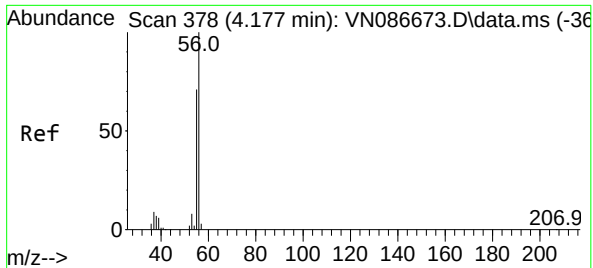
Ion Ratio Lower Upper

96 100

61 152.6 126.2 189.2

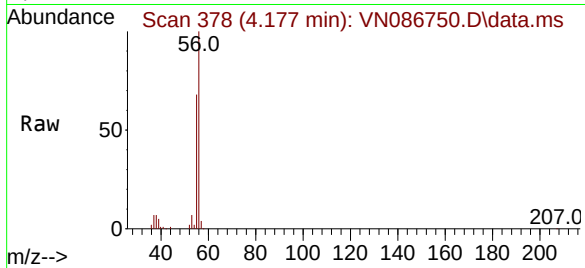
98 65.4 51.5 77.3





#13
Acrolein
Concen: 253.918 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

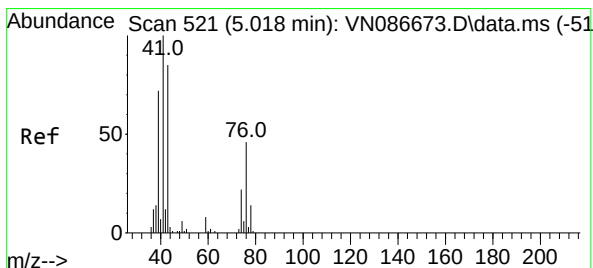
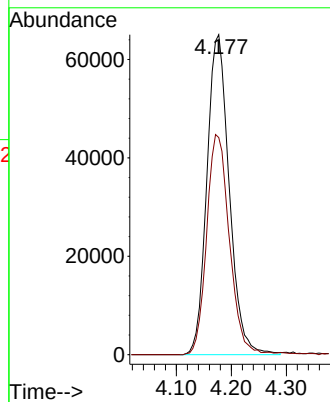
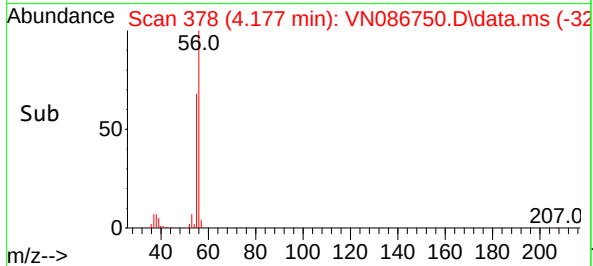
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 56 Resp: 183518
Ion Ratio Lower Upper
56 100
55 70.0 55.7 83.5

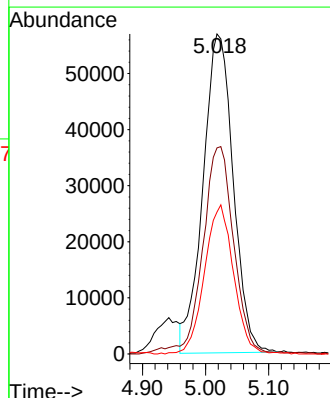
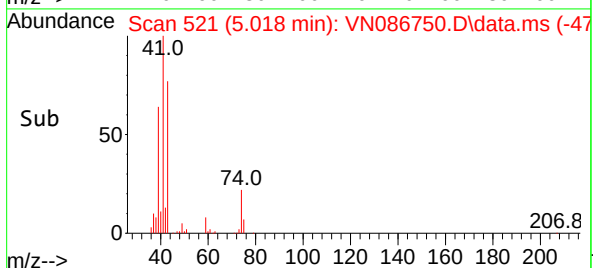
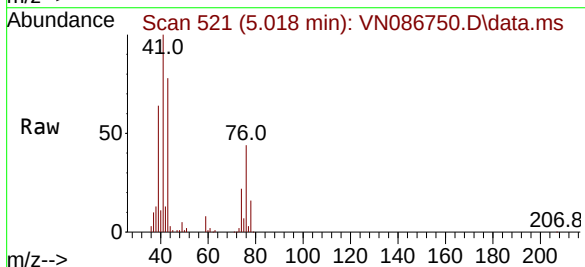
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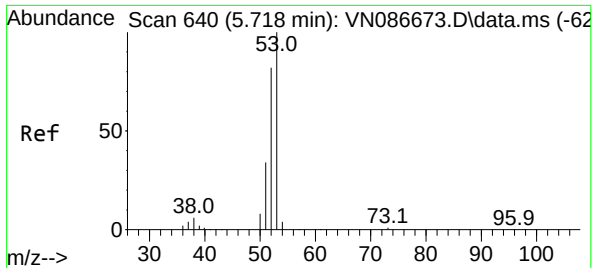
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#14
Allyl chloride
Concen: 41.666 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

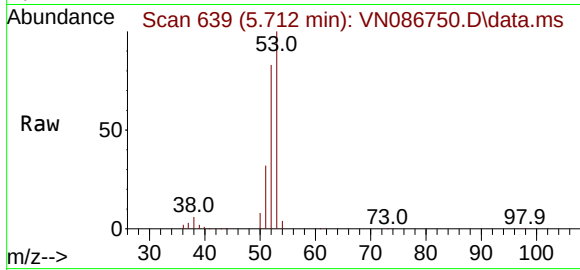
Tgt Ion: 41 Resp: 188967
Ion Ratio Lower Upper
41 100
39 67.0 57.4 86.0
76 45.1 33.2 49.8





#15
Acrylonitrile
Concen: 212.585 ug/l
RT: 5.712 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

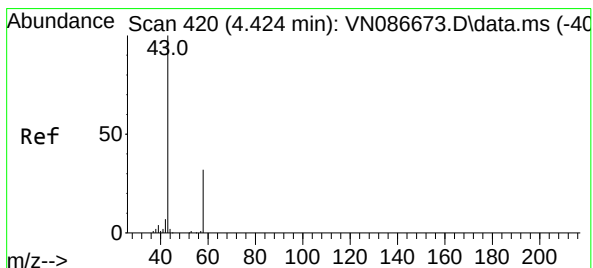
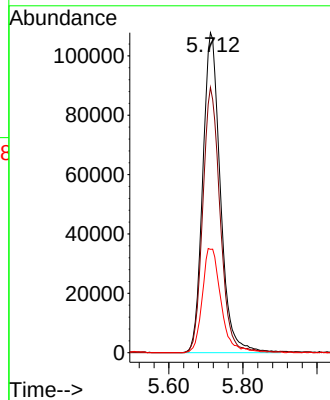
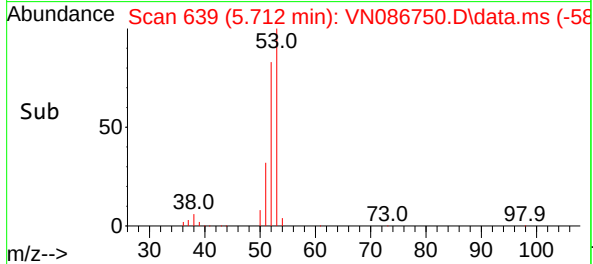
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 53 Resp: 355858
Ion Ratio Lower Upper
53 100
52 81.8 65.4 98.2
51 34.7 27.9 41.9

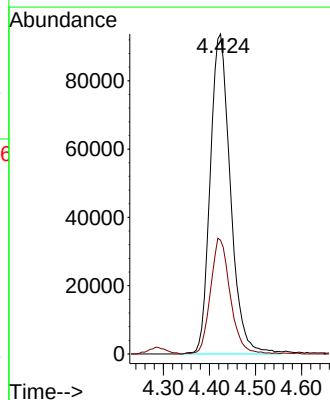
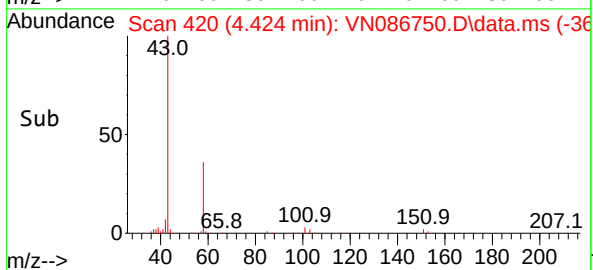
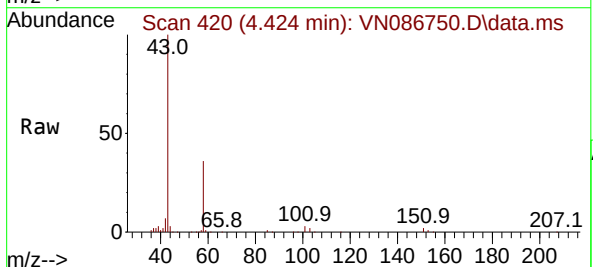
Manual Integrations
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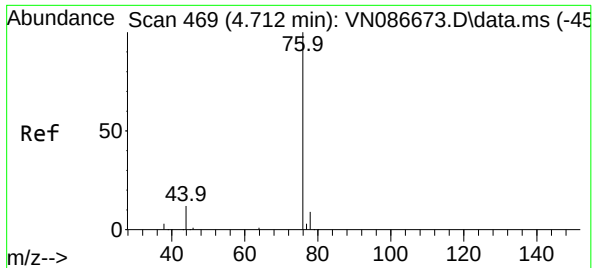
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#16
Acetone
Concen: 205.792 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

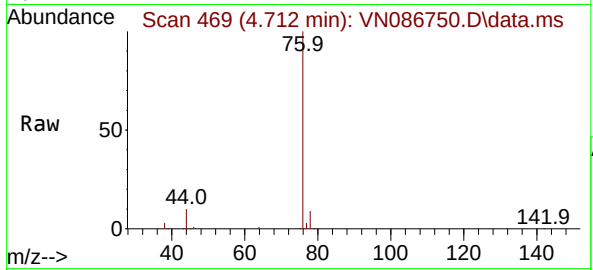
Tgt Ion: 43 Resp: 285763
Ion Ratio Lower Upper
43 100
58 35.5 25.8 38.6





#17
Carbon Disulfide
Concen: 44.984 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

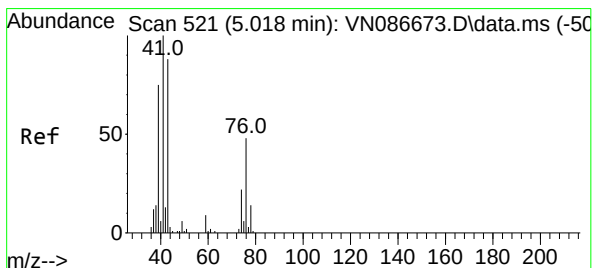
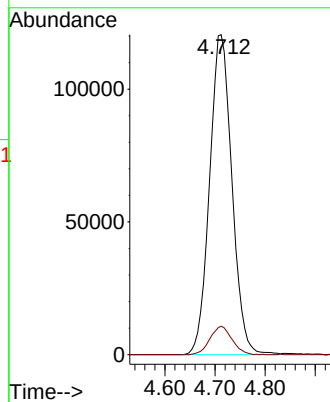
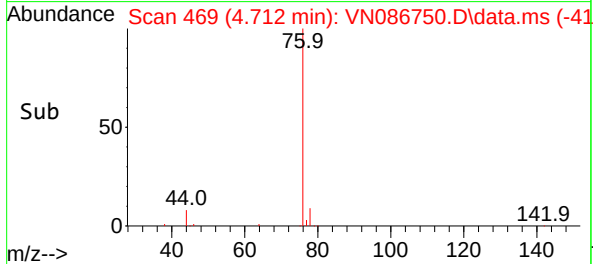
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 76 Resp: 373189
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9

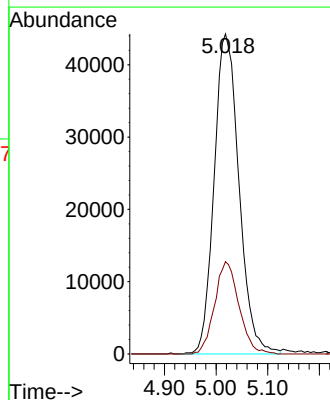
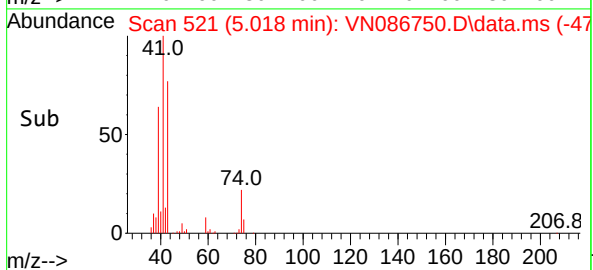
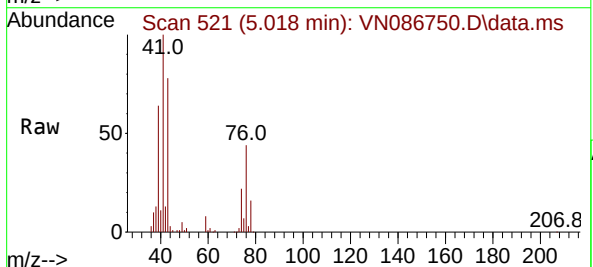
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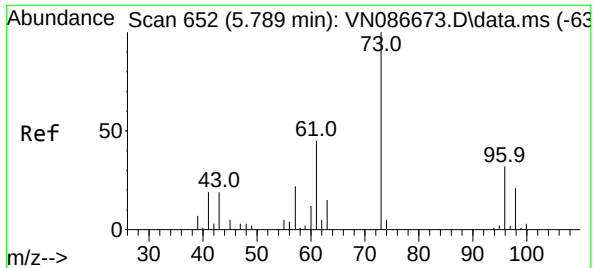
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#18
Methyl Acetate
Concen: 38.021 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

Tgt Ion: 43 Resp: 147771
Ion Ratio Lower Upper
43 100
74 28.2 20.5 30.7





#19

Methyl tert-butyl Ether

Concen: 45.612 ug/l

RT: 5.789 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN086750.D

Acq: 22 May 2025 08:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 46536

Ion Ratio Lower Upper

73 100

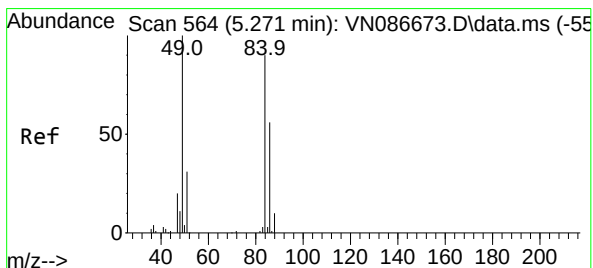
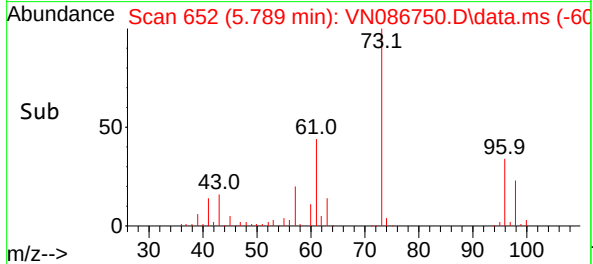
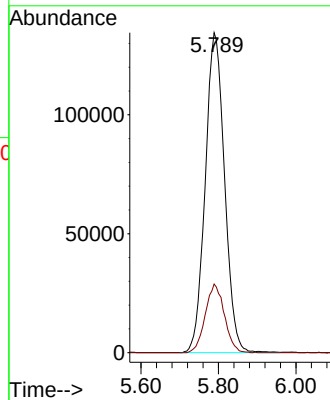
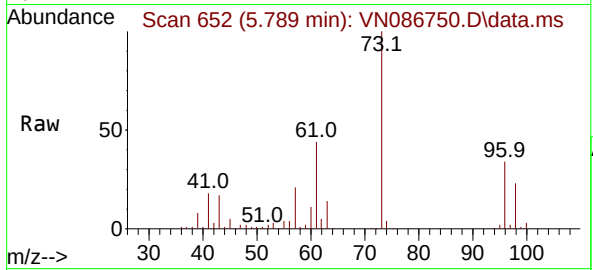
57 21.5 17.7 26.5

Manual Integrations

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Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#20

Methylene Chloride

Concen: 42.475 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.000 min

Lab File: VN086750.D

Acq: 22 May 2025 08:21

Tgt Ion: 84 Resp: 155642

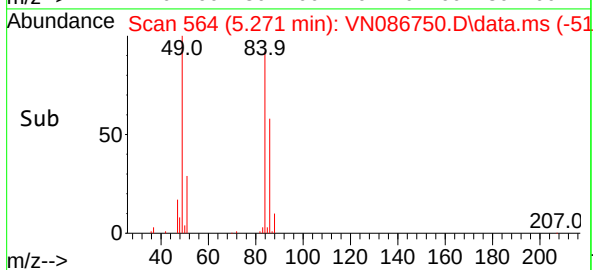
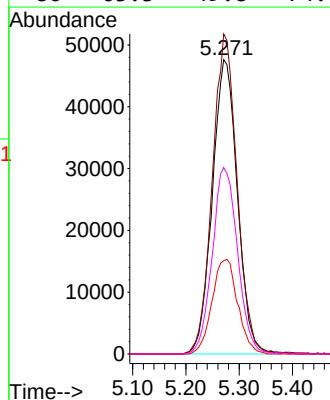
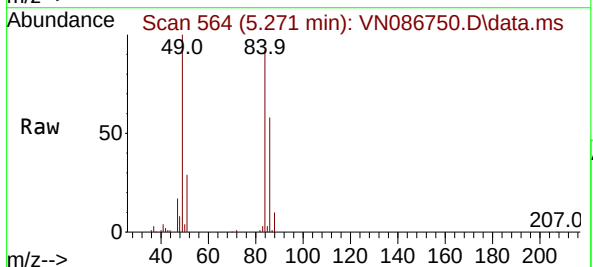
Ion Ratio Lower Upper

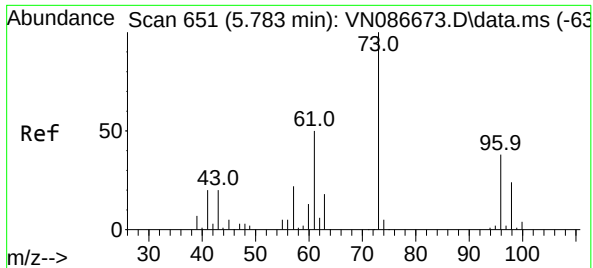
84 100

49 108.7 88.8 133.2

51 31.7 27.8 41.6

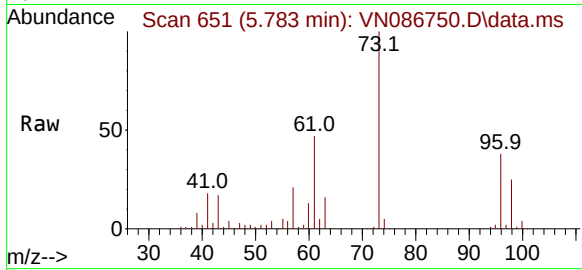
86 63.3 49.8 74.6





#21
trans-1,2-Dichloroethene
Concen: 46.338 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

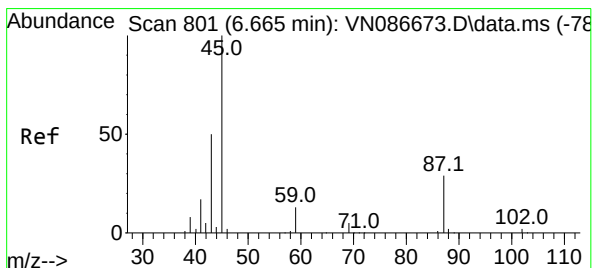
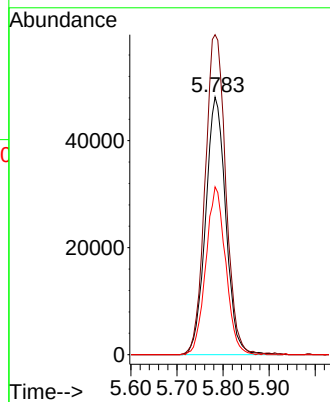
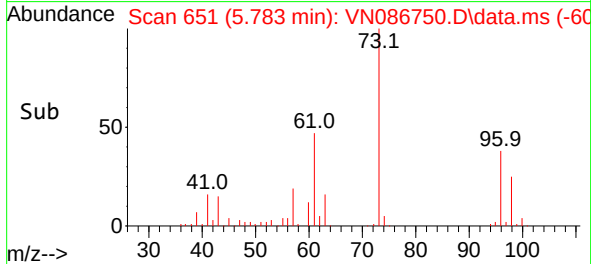
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 96 Resp: 146800
Ion Ratio Lower Upper
96 100
61 124.2 105.7 158.5
98 65.2 51.0 76.6

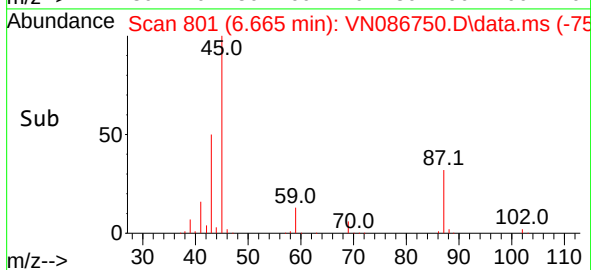
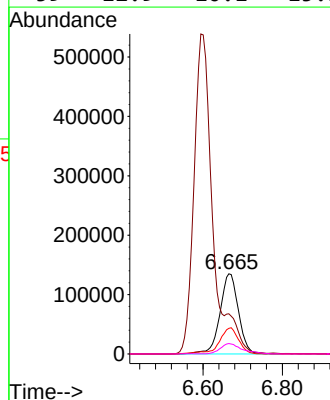
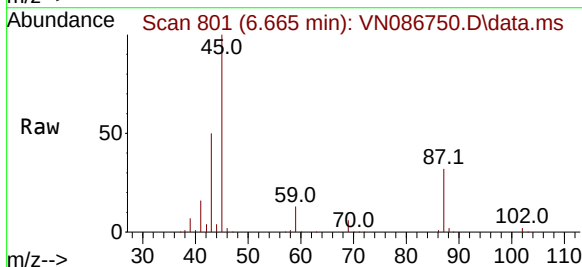
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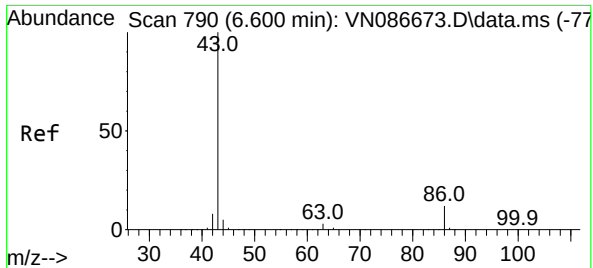
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#22
Diisopropyl ether
Concen: 42.476 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

Tgt Ion: 45 Resp: 434610
Ion Ratio Lower Upper
45 100
43 49.5 41.4 62.2
87 31.9 22.9 34.3
59 12.9 10.1 15.1





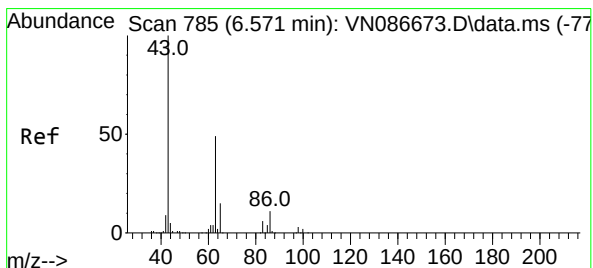
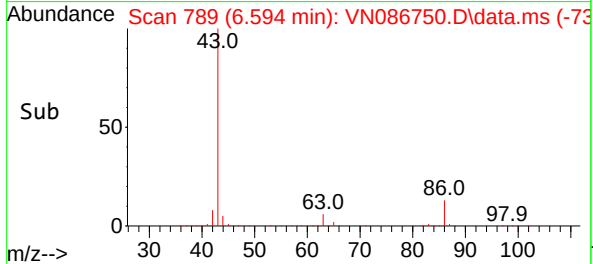
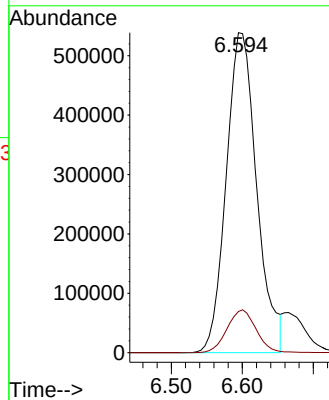
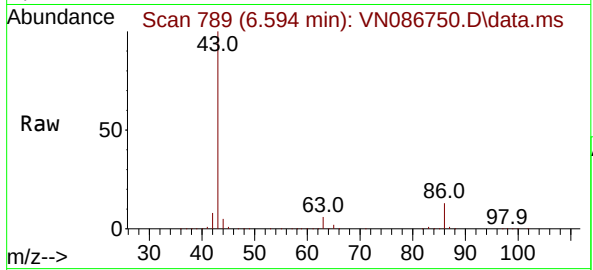
#23
 Vinyl Acetate
 Concen: 209.360 ug/l
 RT: 6.594 min Scan# 789
 Delta R.T. -0.006 min
 Lab File: VN086750.D
 Acq: 22 May 2025 08:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 160996
 Ion Ratio Lower Upper
 43 100
 86 12.9 9.5 14.3

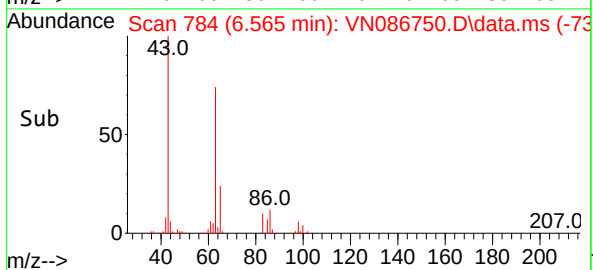
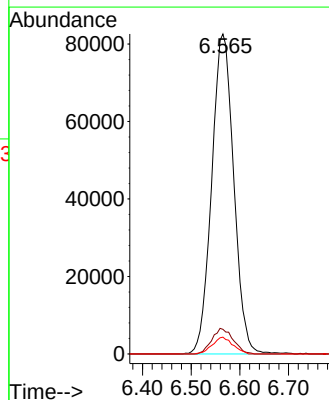
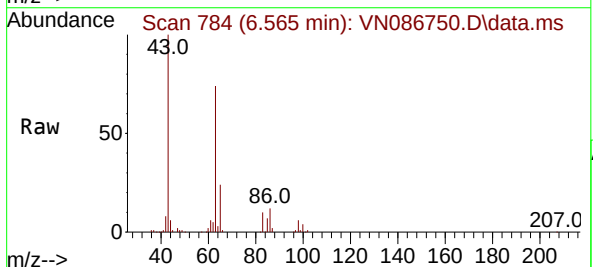
Manual Integrations
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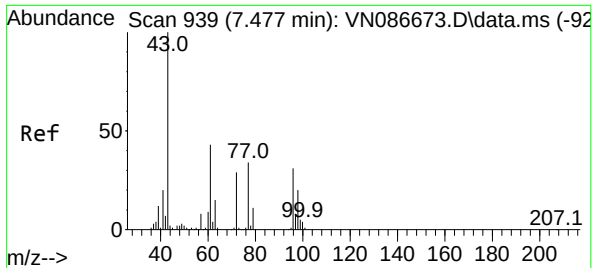
Reviewed By :John Carlone 05/23/2025
 Supervised By :Mahesh Dadoda 05/23/2025



#24
 1,1-Dichloroethane
 Concen: 43.122 ug/l
 RT: 6.565 min Scan# 784
 Delta R.T. -0.006 min
 Lab File: VN086750.D
 Acq: 22 May 2025 08:21

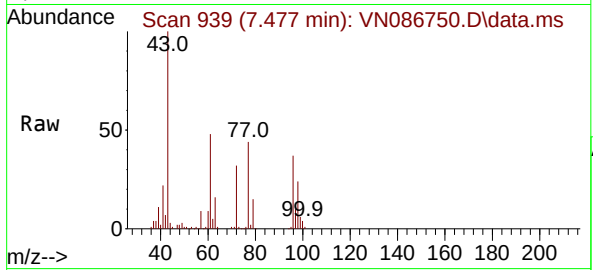
Tgt Ion: 63 Resp: 259048
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.4 10.2
 100 5.2 2.4 7.1





#25
2-Butanone
Concen: 204.626 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

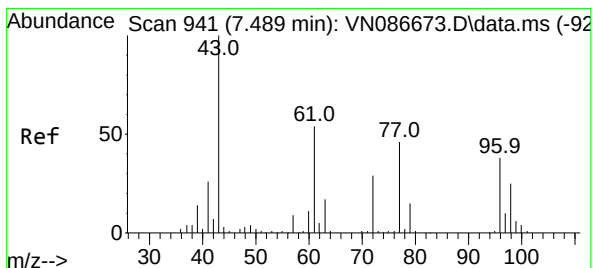
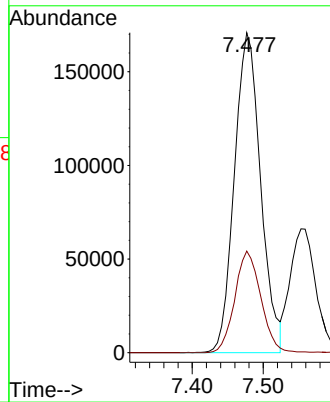
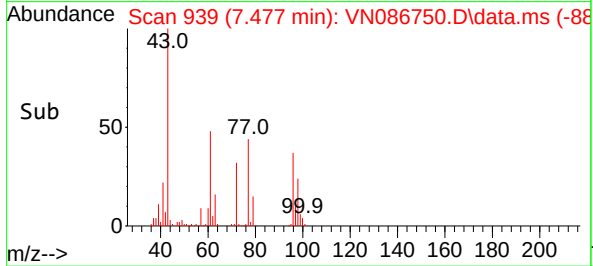
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 43908
Ion Ratio Lower Upper
43 100
72 31.8 23.1 34.7

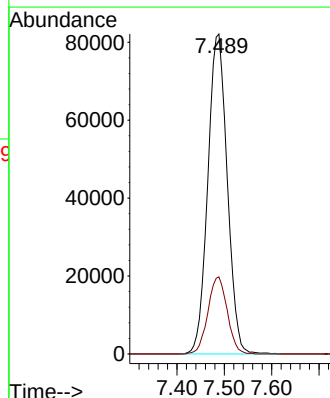
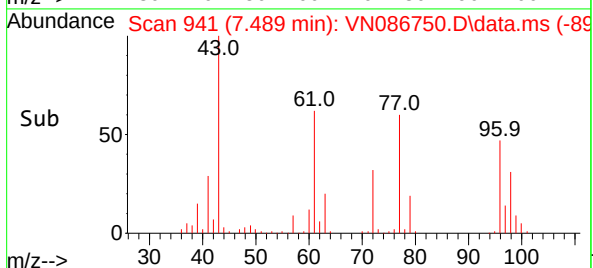
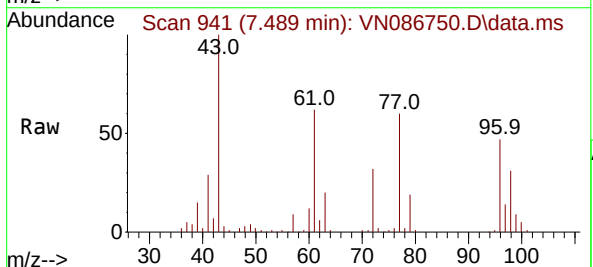
Manual Integrations
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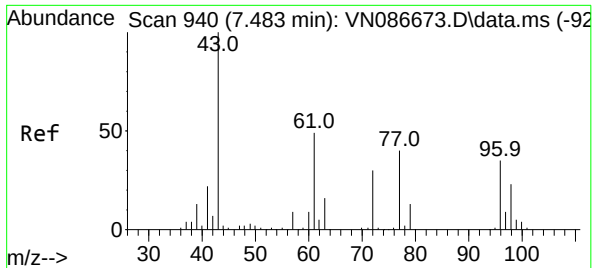
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#26
2,2-Dichloropropane
Concen: 47.109 ug/l
RT: 7.489 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

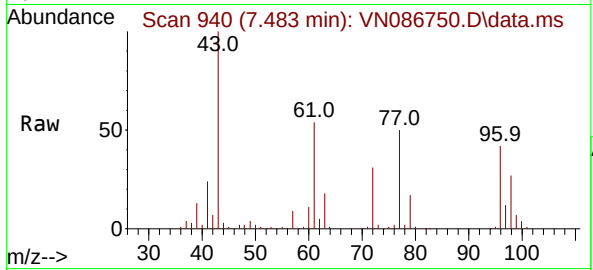
Tgt Ion: 77 Resp: 233544
Ion Ratio Lower Upper
77 100
97 24.0 11.6 34.7





#27
cis-1,2-Dichloroethene
Concen: 45.356 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

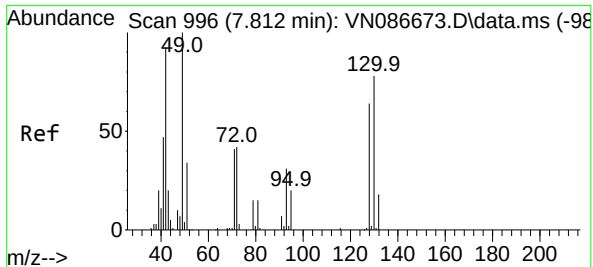
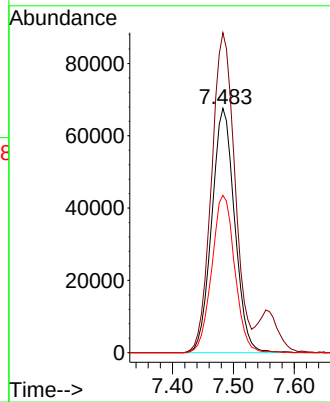
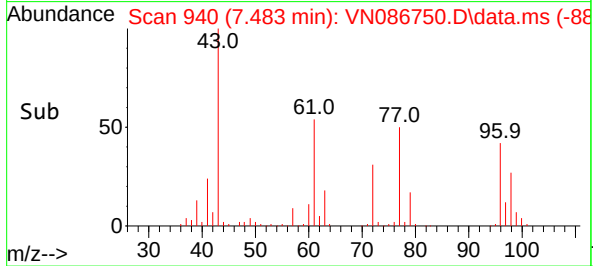
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 96 Resp: 176369
Ion Ratio Lower Upper
96 100
61 133.4 0.0 277.4
98 64.7 0.0 129.6

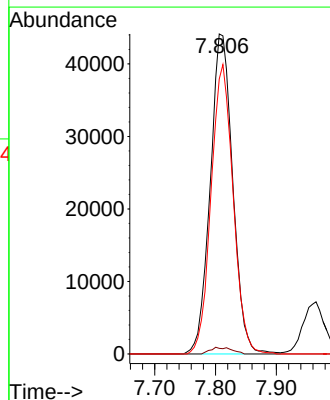
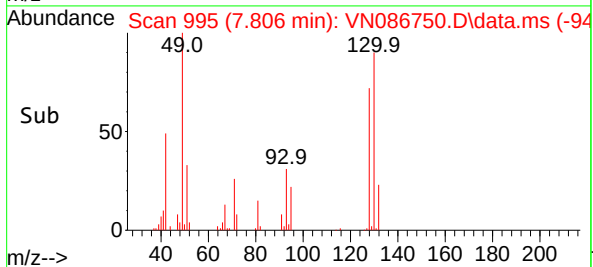
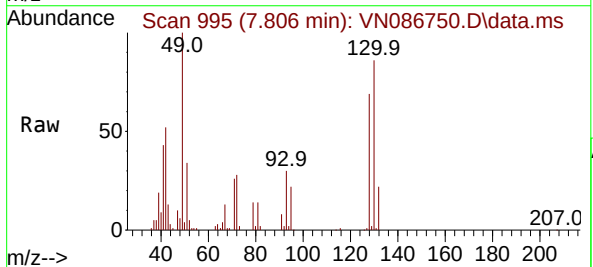
Manual Integrations
APPROVED

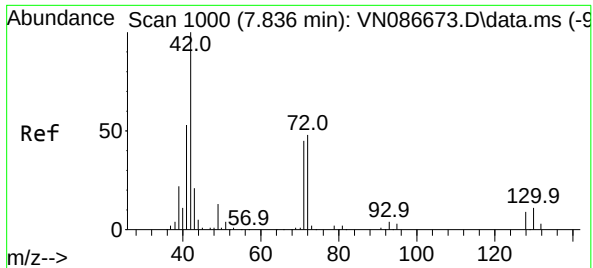
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#28
Bromochloromethane
Concen: 41.544 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

Tgt Ion: 49 Resp: 113388
Ion Ratio Lower Upper
49 100
129 2.0 0.0 3.8
130 88.7 62.2 93.4





#29

Tetrahydrofuran

Concen: 202.982 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN086750.D

Acq: 22 May 2025 08:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 28429

Ion Ratio Lower Upper

42 100

72 52.1 38.7 58.1

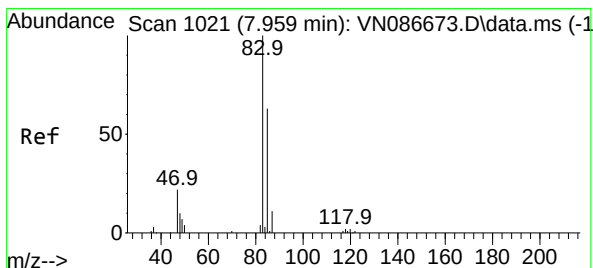
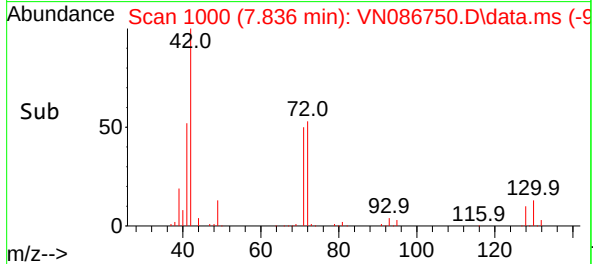
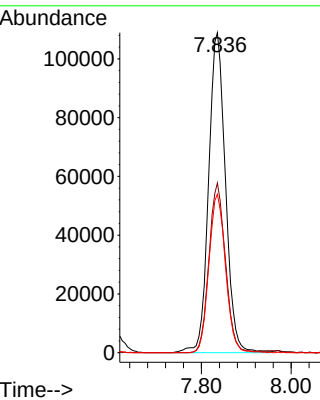
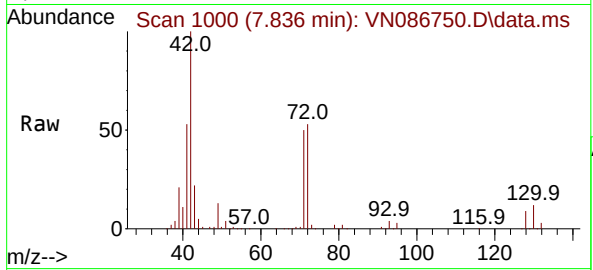
71 48.9 36.2 54.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#30

Chloroform

Concen: 43.557 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VN086750.D

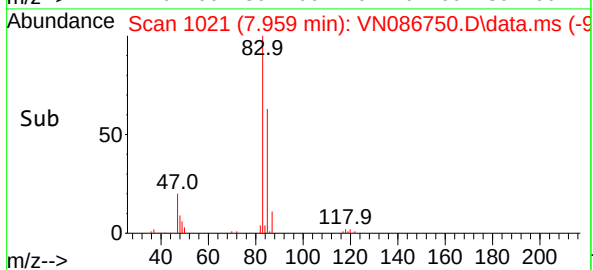
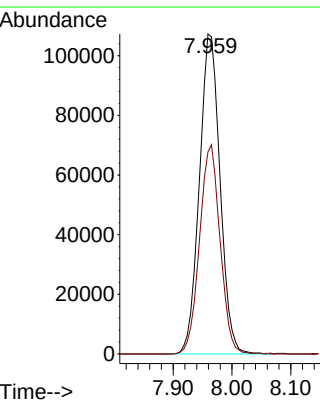
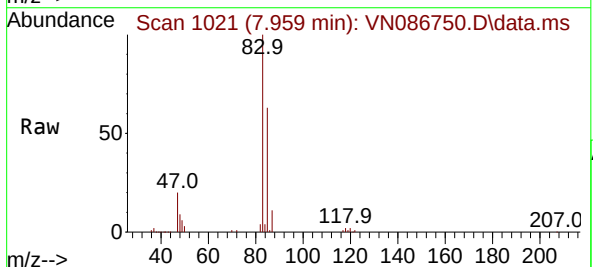
Acq: 22 May 2025 08:21

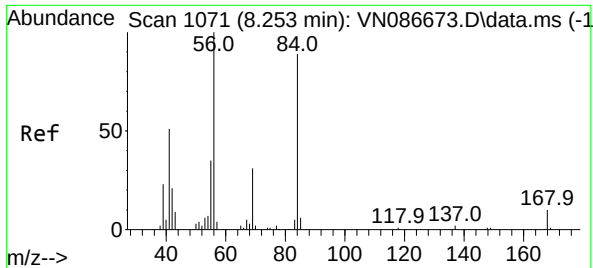
Tgt Ion: 83 Resp: 261897

Ion Ratio Lower Upper

83 100

85 63.1 50.2 75.4





#31

Cyclohexane

Concen: 40.785 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN086750.D

Acq: 22 May 2025 08:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 227220

Ion Ratio Lower Upper

56 100

69 32.4 25.0 37.6

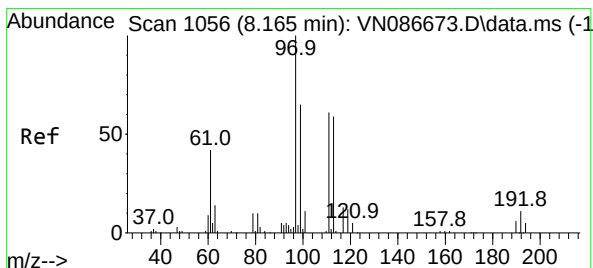
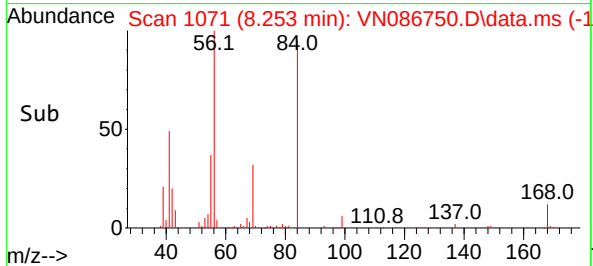
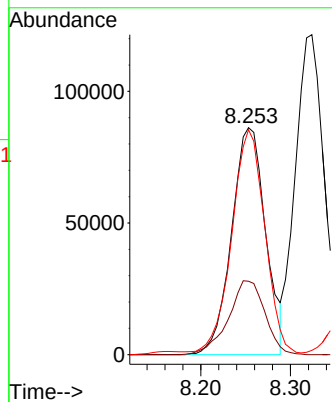
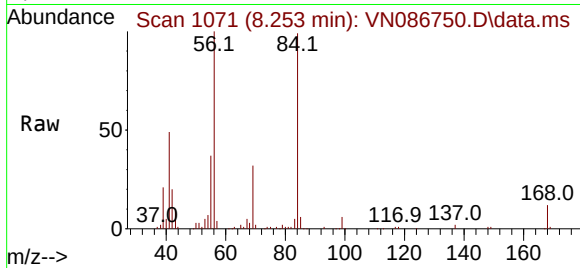
84 97.8 71.0 106.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#32

1,1,1-Trichloroethane

Concen: 44.540 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086750.D

Acq: 22 May 2025 08:21

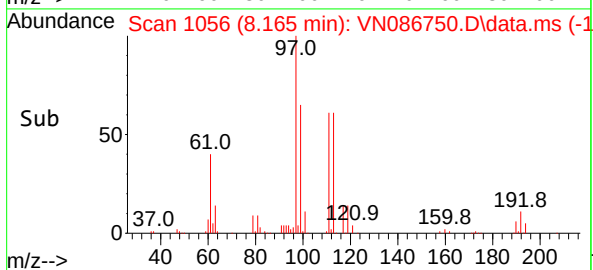
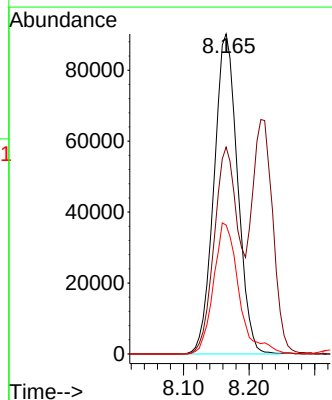
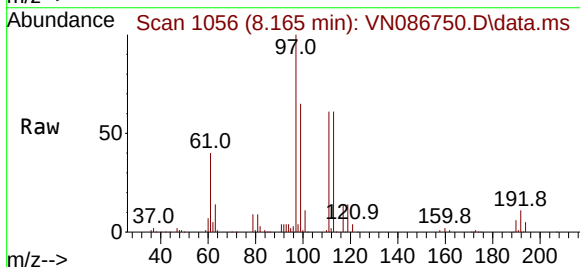
Tgt Ion: 97 Resp: 225797

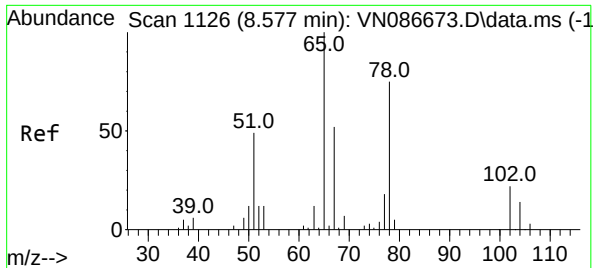
Ion Ratio Lower Upper

97 100

99 67.2 52.6 79.0

61 44.0 37.7 56.5





#33

1,2-Dichloroethane-d4

Concen: 40.577 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086750.D

Acq: 22 May 2025 08:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 15063

Ion Ratio Lower Upper

65 100

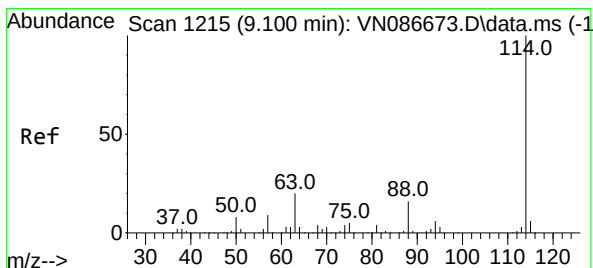
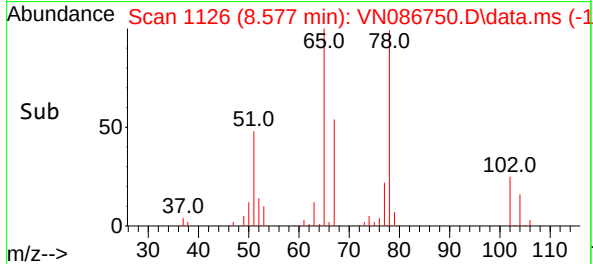
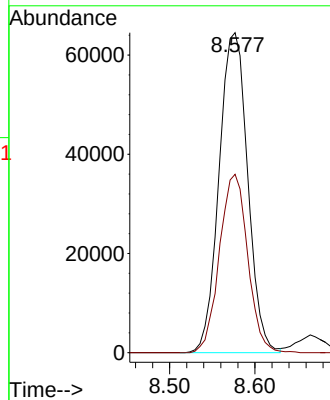
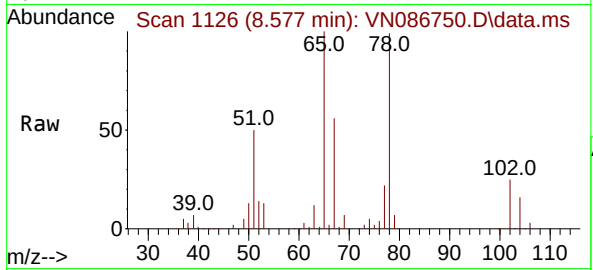
67 55.0 0.0 106.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN086750.D

Acq: 22 May 2025 08:21

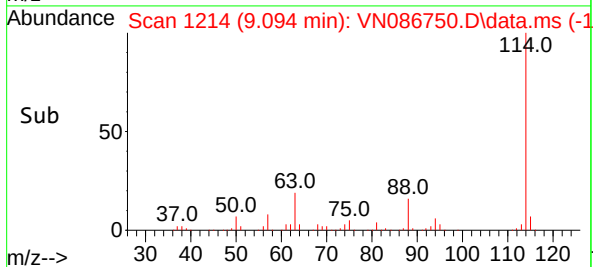
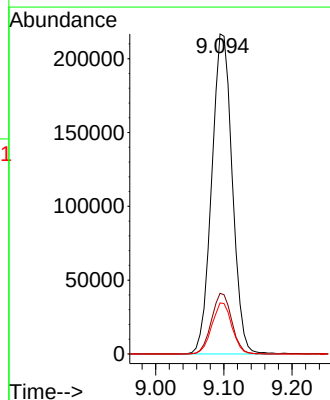
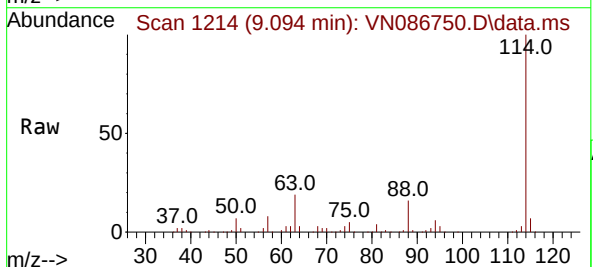
Tgt Ion:114 Resp: 454328

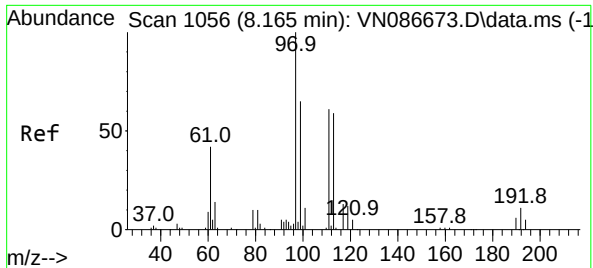
Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.2

88 15.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 48.330 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086750.D

Acq: 22 May 2025 08:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 130768

Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.2

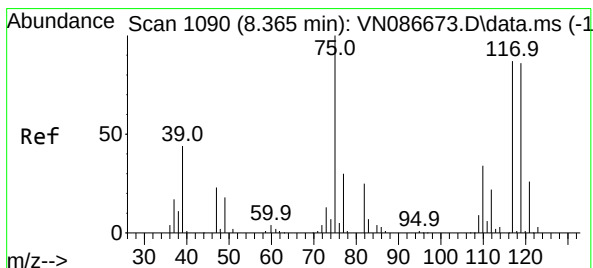
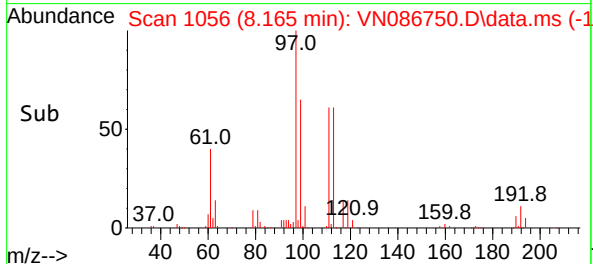
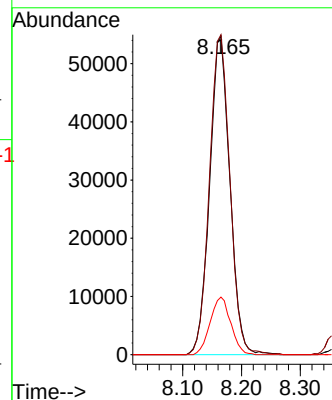
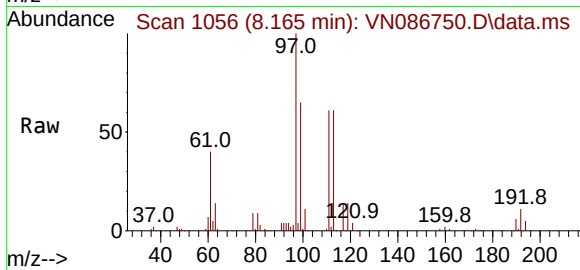
192 18.4 13.8 20.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#36

1,1-Dichloropropene

Concen: 48.515 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN086750.D

Acq: 22 May 2025 08:21

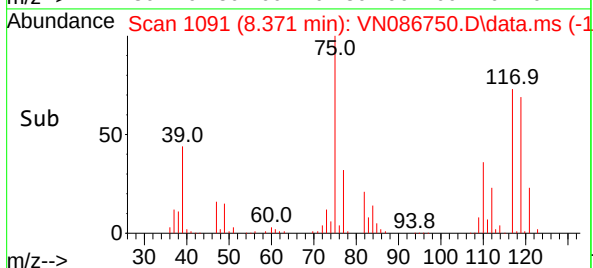
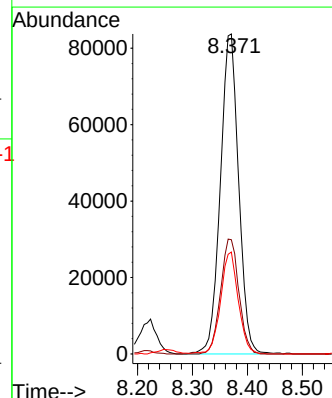
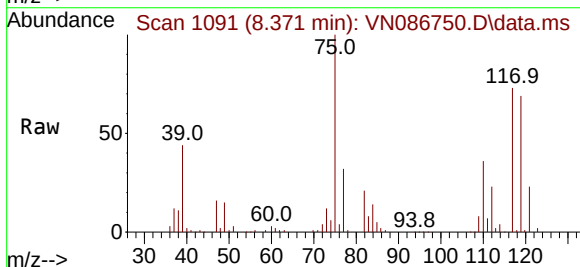
Tgt Ion: 75 Resp: 193624

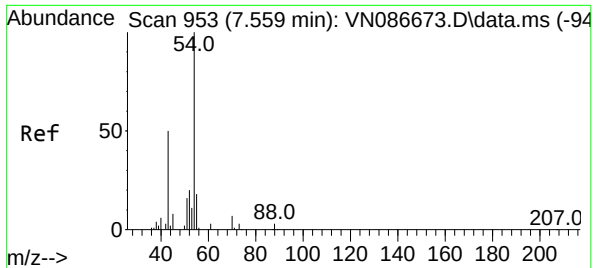
Ion Ratio Lower Upper

75 100

110 35.9 17.5 52.5

77 30.8 25.1 37.7





#37

Ethyl Acetate

Concen: 42.334 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN086750.D

Acq: 22 May 2025 08:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 17067

Ion Ratio Lower Upper

43 100

61 14.8 11.6 17.4

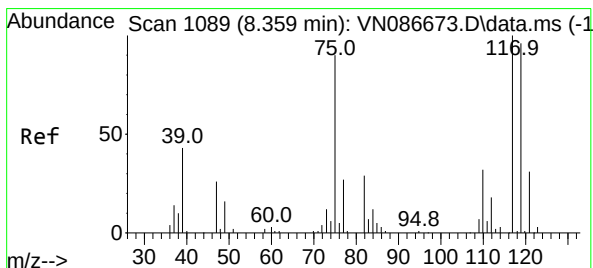
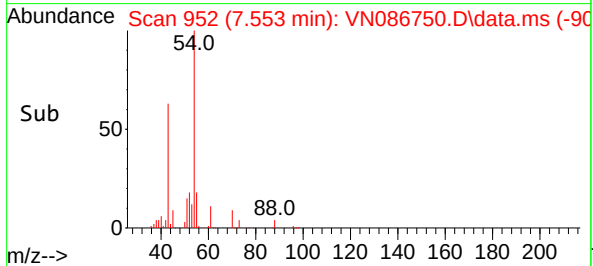
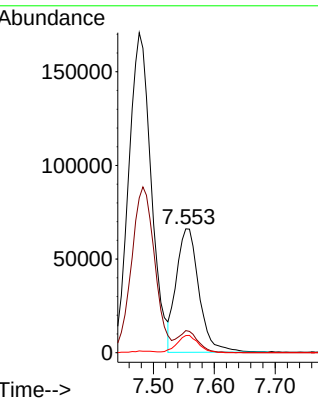
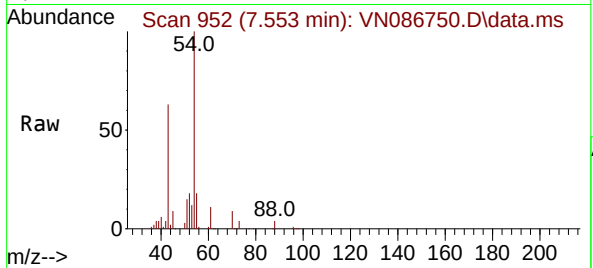
70 13.1 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#38

Carbon Tetrachloride

Concen: 49.540 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN086750.D

Acq: 22 May 2025 08:21

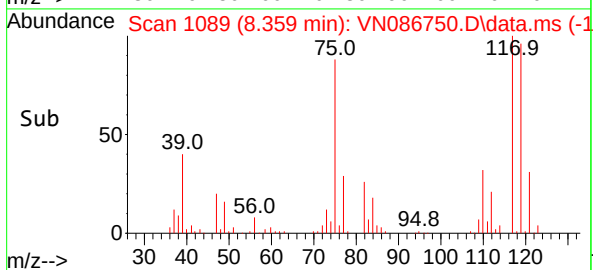
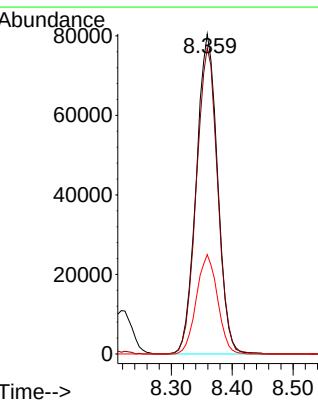
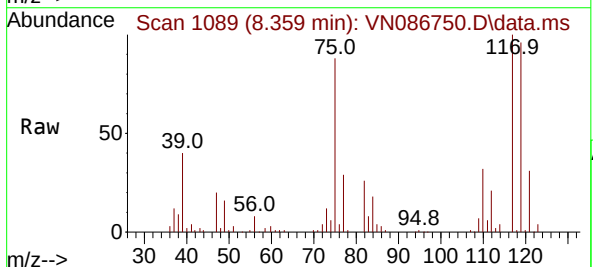
Tgt Ion:117 Resp: 194806

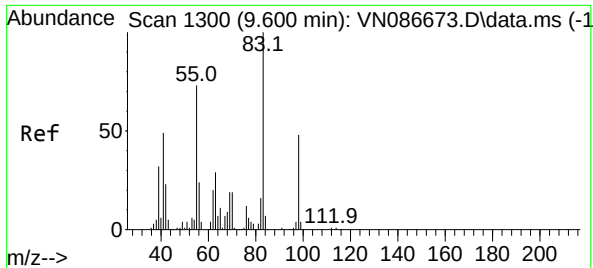
Ion Ratio Lower Upper

117 100

119 95.7 77.0 115.6

121 31.0 25.0 37.6





#39

Methylcyclohexane

Concen: 51.110 ug/l

RT: 9.594 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN086750.D

Acq: 22 May 2025 08:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 220772

Ion Ratio Lower Upper

83 100

55 71.3 58.2 87.4

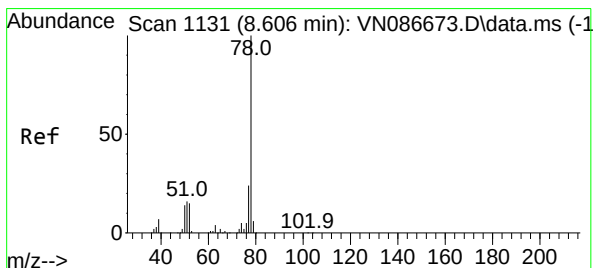
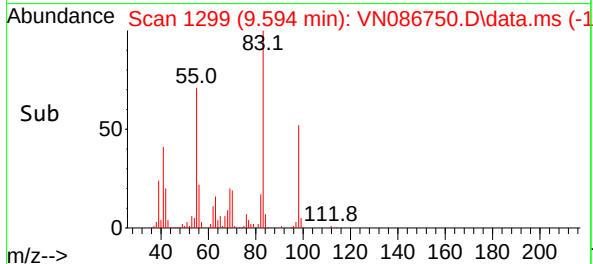
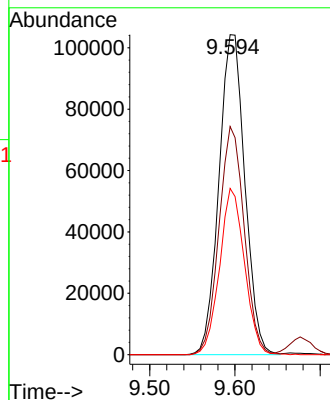
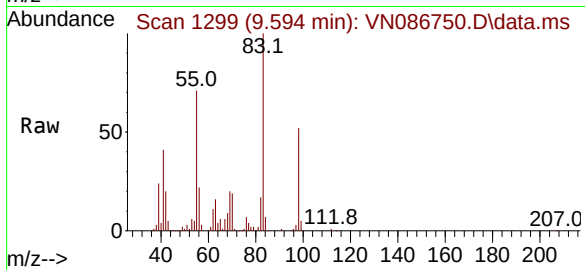
98 52.0 38.4 57.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#40

Benzene

Concen: 47.415 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN086750.D

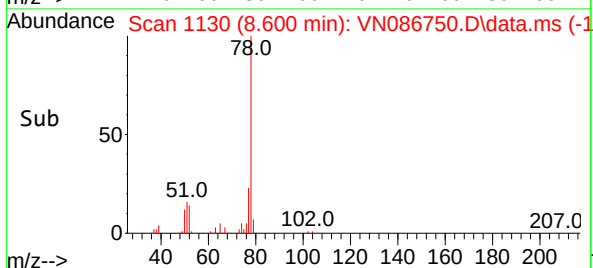
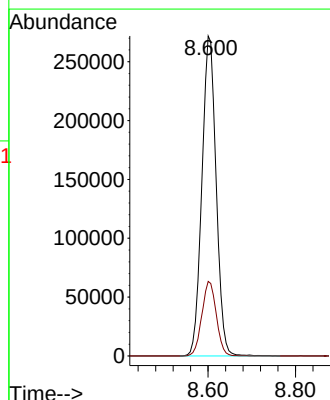
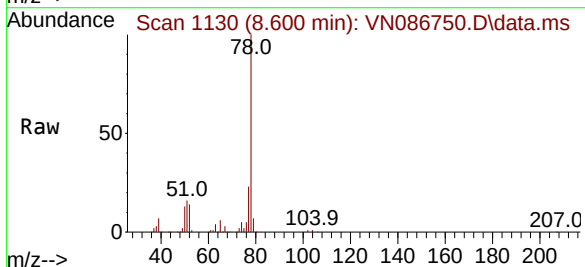
Acq: 22 May 2025 08:21

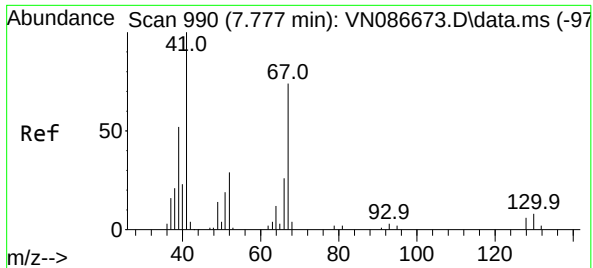
Tgt Ion: 78 Resp: 617321

Ion Ratio Lower Upper

78 100

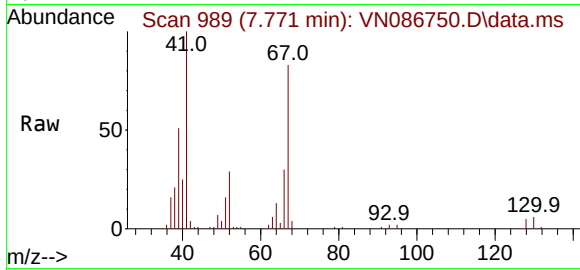
77 23.3 19.1 28.7





#41
Methacrylonitrile
Concen: 43.393 ug/l
RT: 7.771 min Scan# 990
Delta R.T. -0.006 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

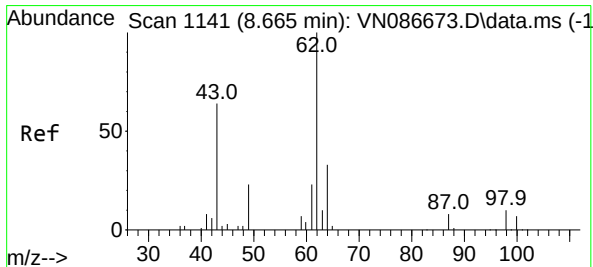
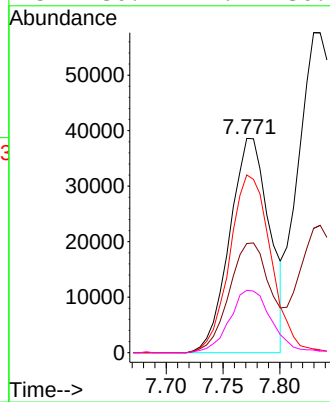
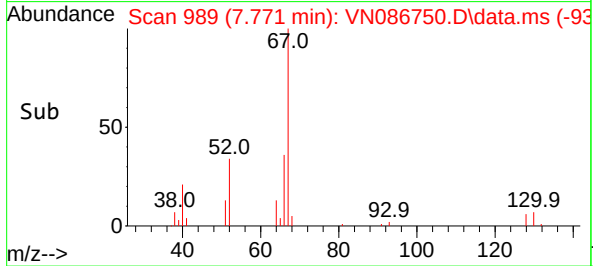
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 41 Resp: 94450
Ion Ratio Lower Upper
41 100
39 52.4 44.9 67.3
67 86.0 63.4 95.0
52 30.9 24.4 36.6

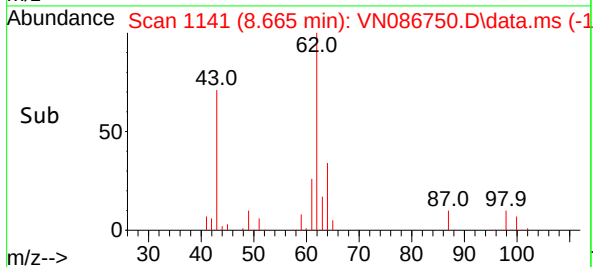
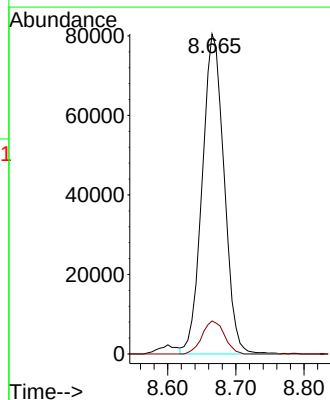
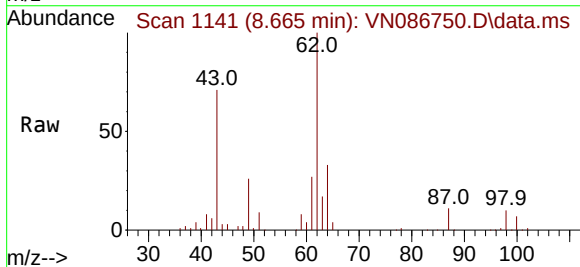
Manual Integrations
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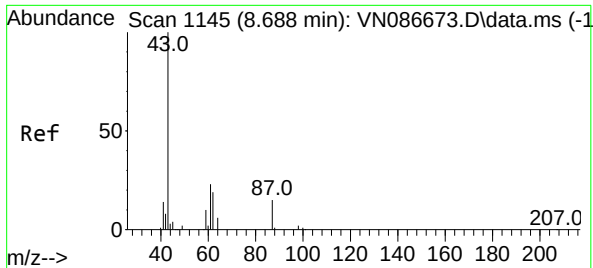
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#42
1,2-Dichloroethane
Concen: 44.331 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

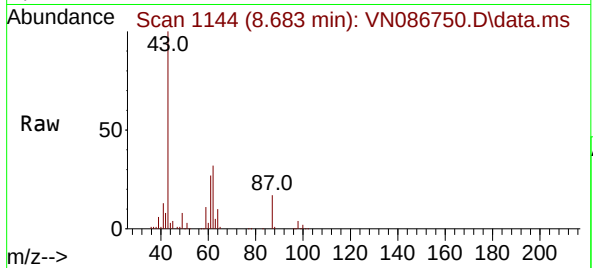
Tgt Ion: 62 Resp: 179813
Ion Ratio Lower Upper
62 100
98 10.5 0.0 19.2





#43
Isopropyl Acetate
Concen: 37.572 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

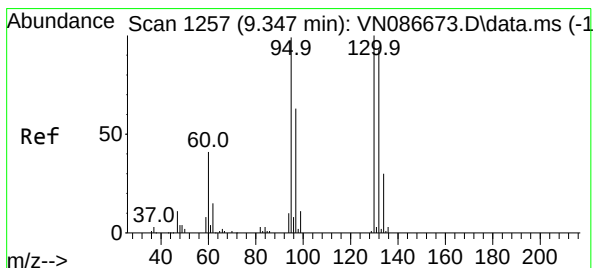
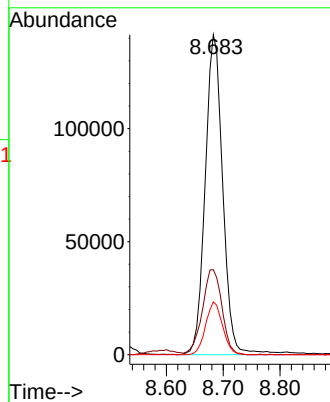
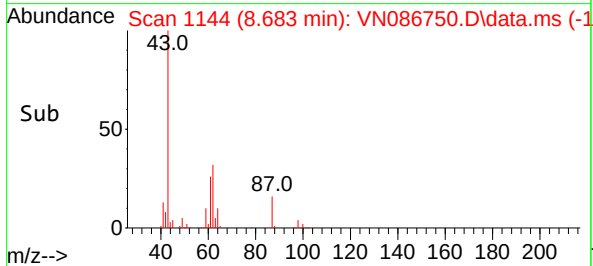
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 30365
Ion Ratio Lower Upper
43 100
61 29.6 21.4 32.2
87 15.9 11.1 16.7

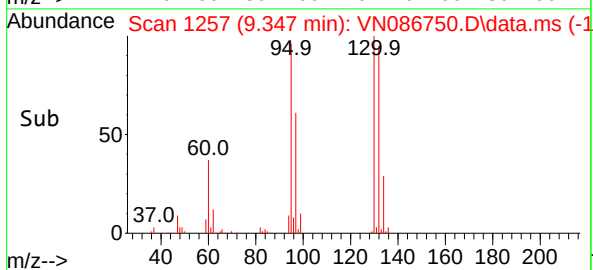
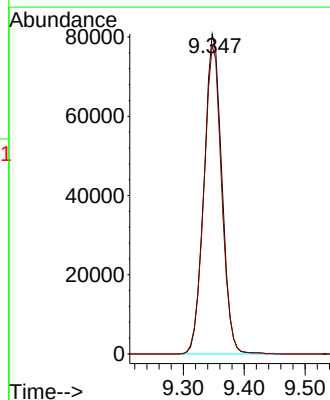
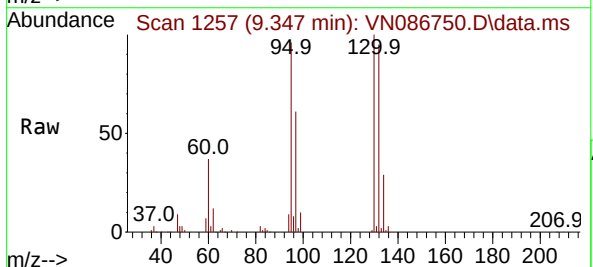
Manual Integrations
APPROVED

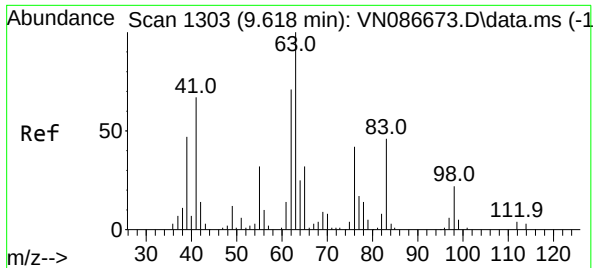
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#44
Trichloroethene
Concen: 52.126 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

Tgt Ion:130 Resp: 163686
Ion Ratio Lower Upper
130 100
95 96.5 0.0 197.0





#45

1,2-Dichloropropane

Concen: 46.838 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086750.D

Acq: 22 May 2025 08:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 144864

Ion Ratio Lower Upper

63 100

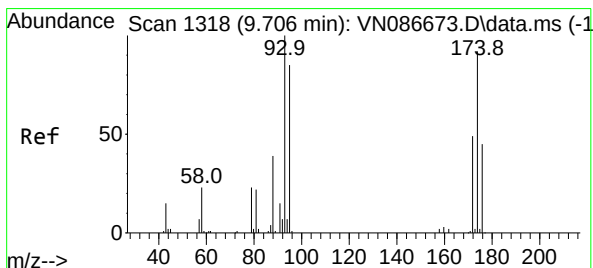
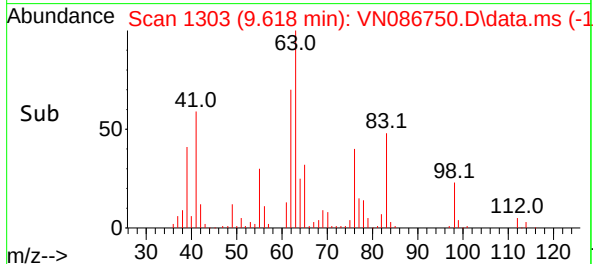
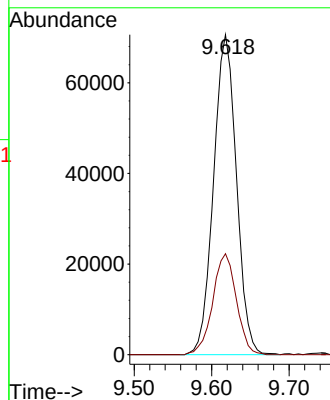
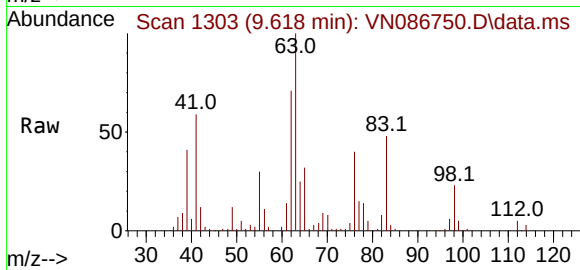
65 31.6 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#46

Dibromomethane

Concen: 47.460 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086750.D

Acq: 22 May 2025 08:21

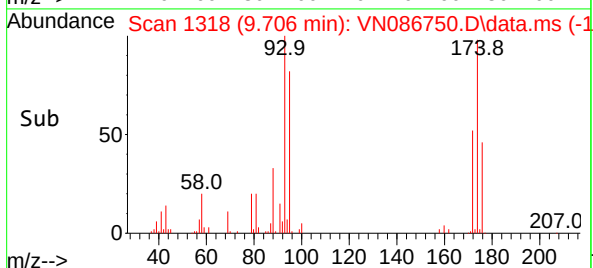
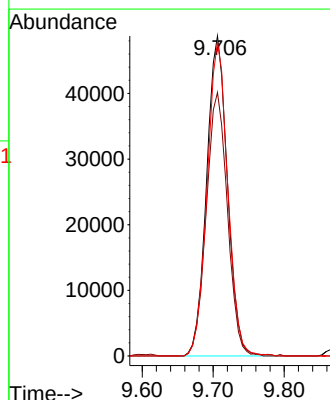
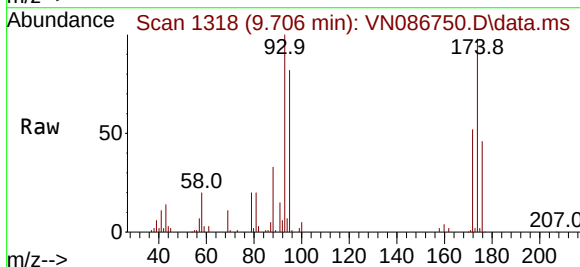
Tgt Ion: 93 Resp: 99046

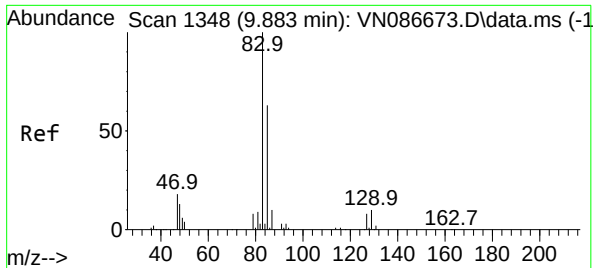
Ion Ratio Lower Upper

93 100

95 83.9 67.1 100.7

174 97.6 73.8 110.6





#47

Bromodichloromethane

Concen: 48.219 ug/l

RT: 9.882 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VN086750.D

Acq: 22 May 2025 08:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 20734

Ion Ratio Lower Upper

83 100

85 63.0 50.1 75.1

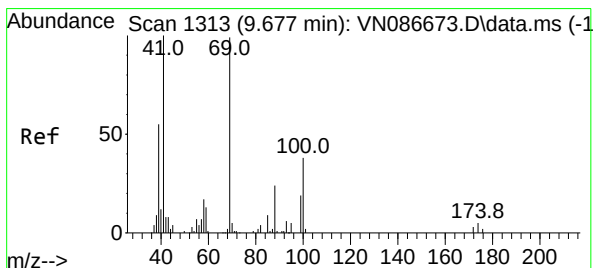
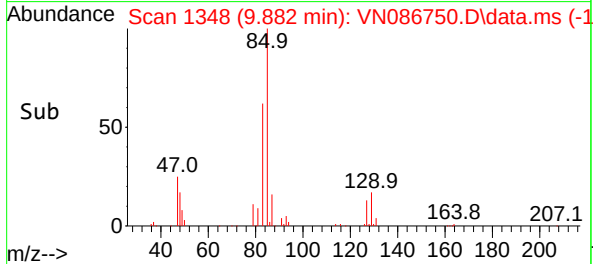
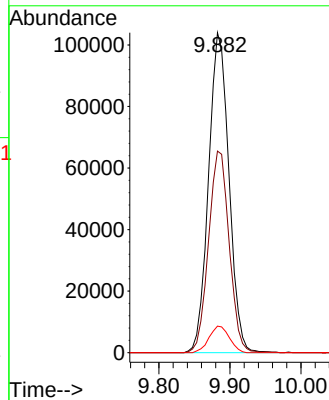
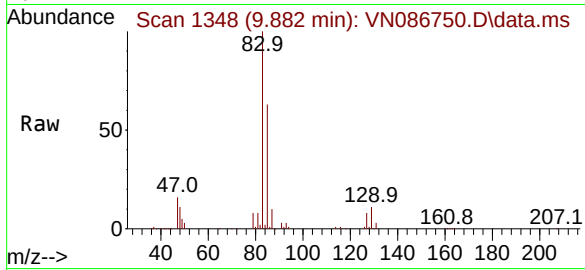
127 8.3 6.2 9.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#48

Methyl methacrylate

Concen: 44.012 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VN086750.D

Acq: 22 May 2025 08:21

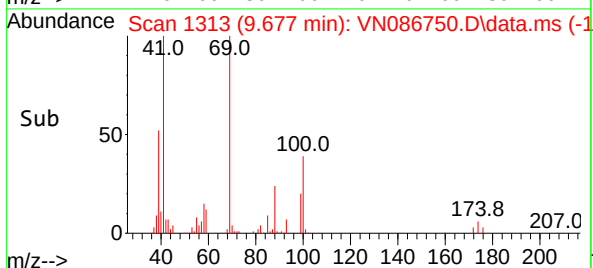
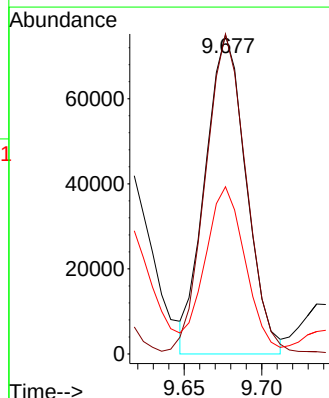
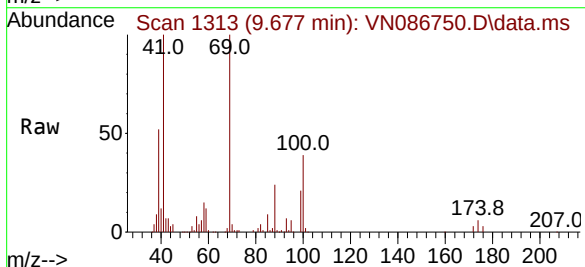
Tgt Ion: 41 Resp: 137836

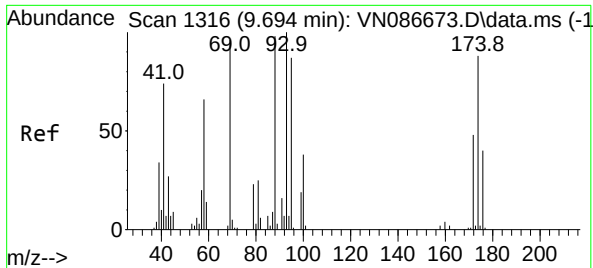
Ion Ratio Lower Upper

41 100

69 100.6 74.1 111.1

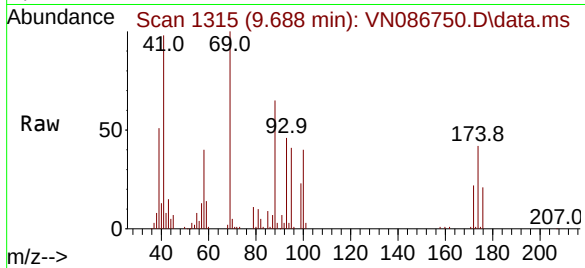
39 51.9 44.1 66.1





#49
1,4-Dioxane
Concen: 941.089 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. -0.006 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

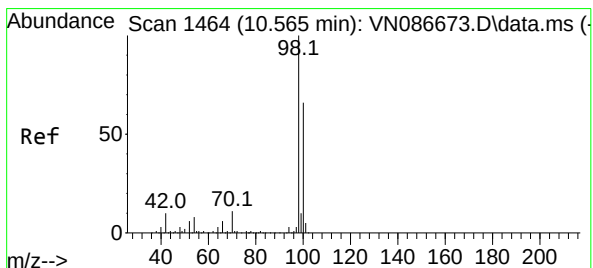
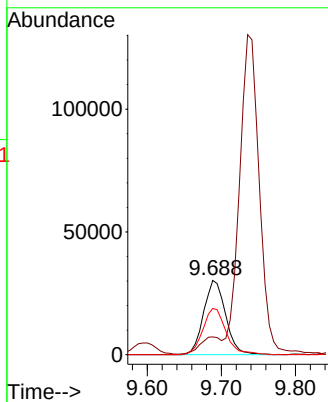
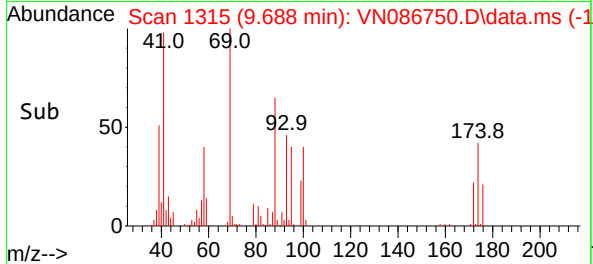
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 88 Resp: 62408
Ion Ratio Lower Upper
88 100
43 22.3 23.6 35.4
58 65.5 55.3 82.9

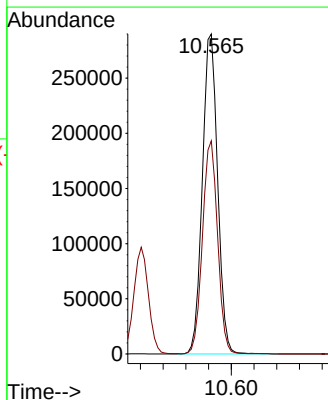
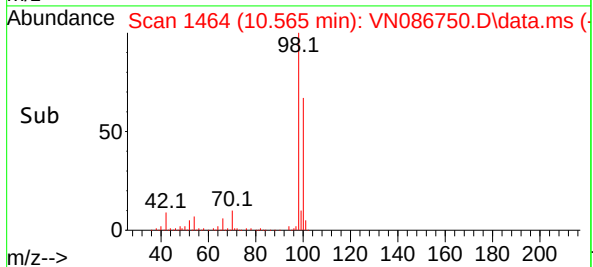
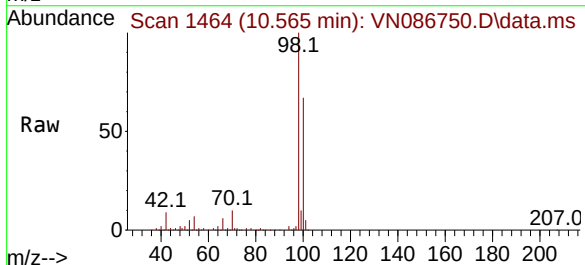
Manual Integrations
APPROVED

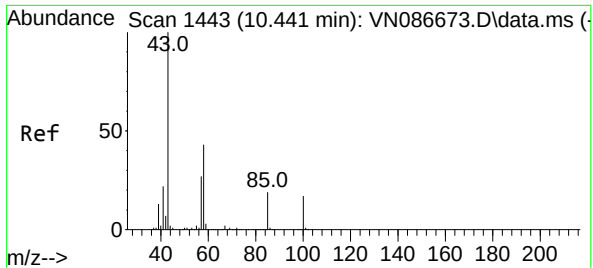
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#50
Toluene-d8
Concen: 48.096 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

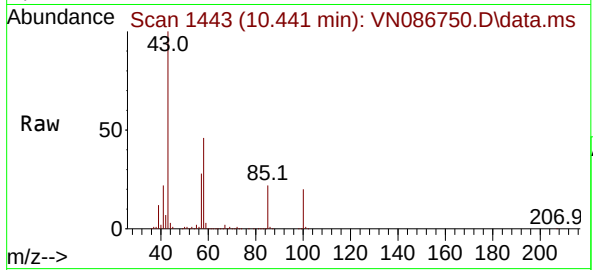
Tgt Ion: 98 Resp: 539281
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3





#51
4-Methyl-2-Pentanone
Concen: 212.844 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

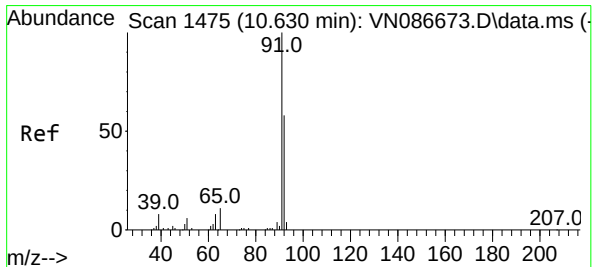
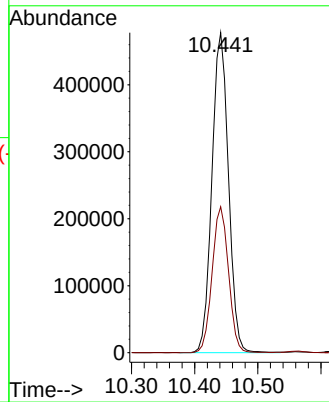
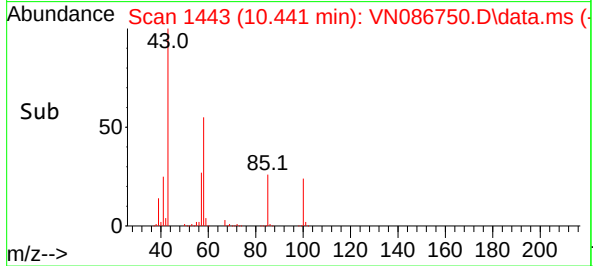
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 867480
Ion Ratio Lower Upper
43 100
58 45.3 33.9 50.9

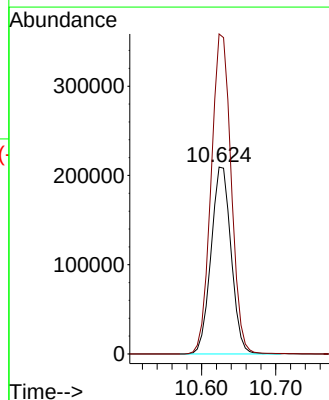
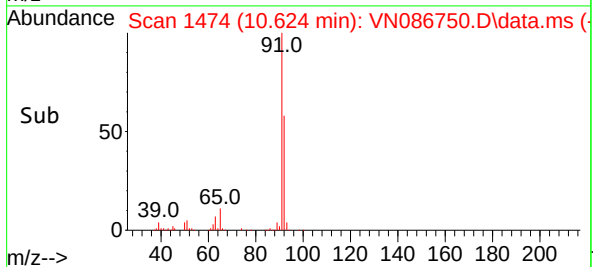
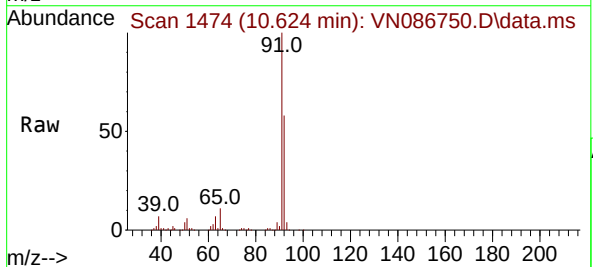
Manual Integrations
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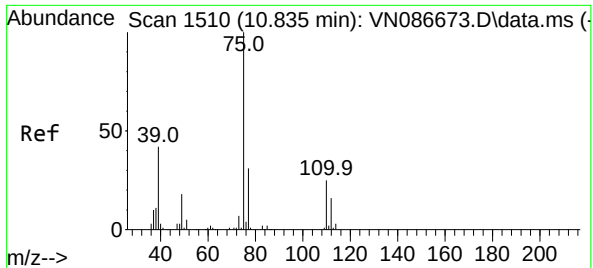
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#52
Toluene
Concen: 48.596 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

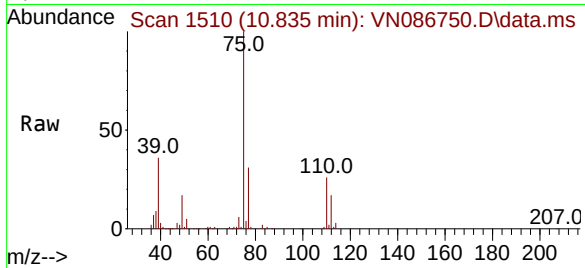
Tgt Ion: 92 Resp: 393237
Ion Ratio Lower Upper
92 100
91 171.6 137.8 206.8





#53
t-1,3-Dichloropropene
Concen: 50.055 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

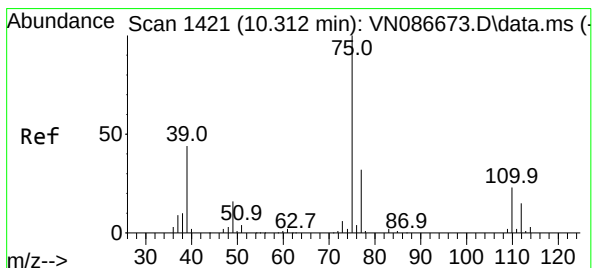
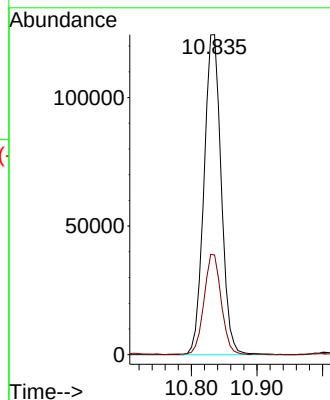
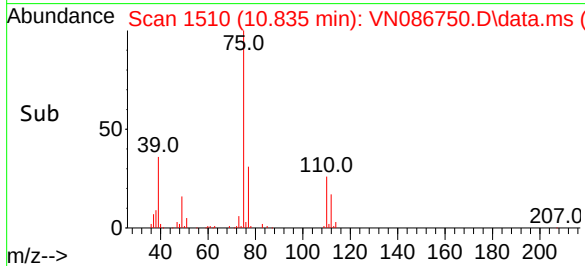
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 227886
Ion Ratio Lower Upper
75 100
77 31.0 25.2 37.8

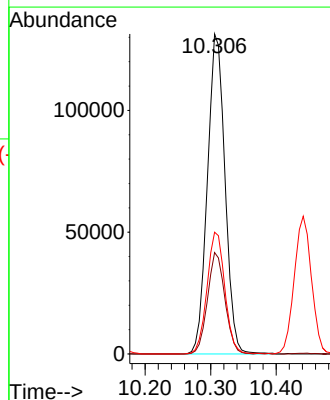
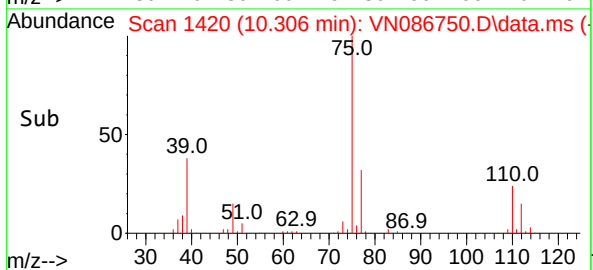
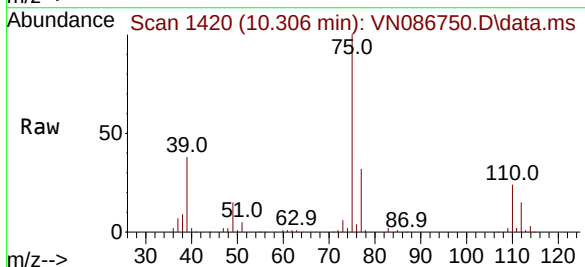
Manual Integrations
APPROVED

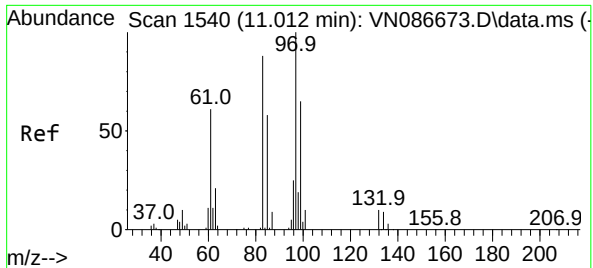
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#54
cis-1,3-Dichloropropene
Concen: 49.478 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

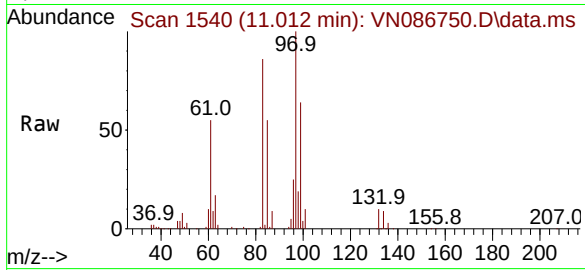
Tgt Ion: 75 Resp: 245896
Ion Ratio Lower Upper
75 100
77 31.7 25.3 37.9
39 38.0 35.2 52.8





#55
1,1,2-Trichloroethane
Concen: 47.031 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

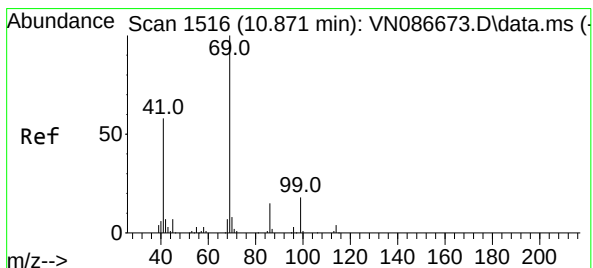
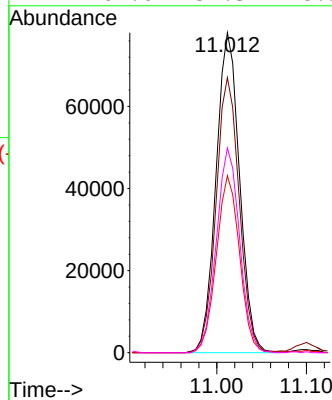
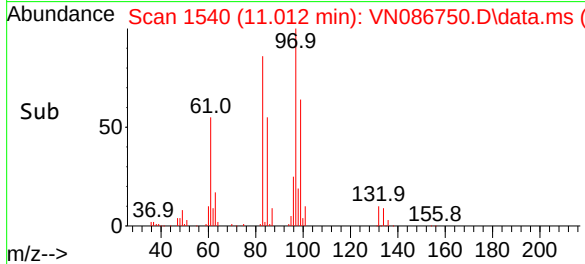
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 97 Resp: 141960
Ion Ratio Lower Upper
97 100
83 85.9 70.4 105.6
85 55.3 46.1 69.1
99 64.0 52.3 78.5

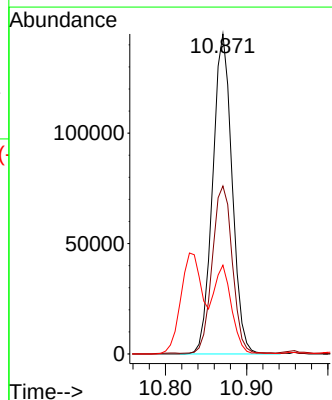
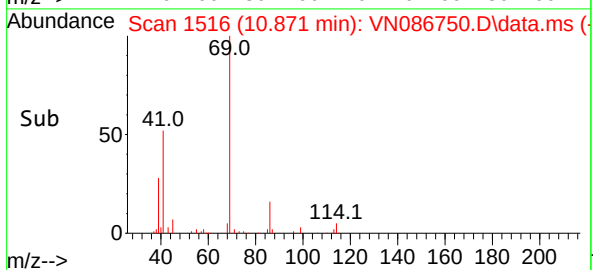
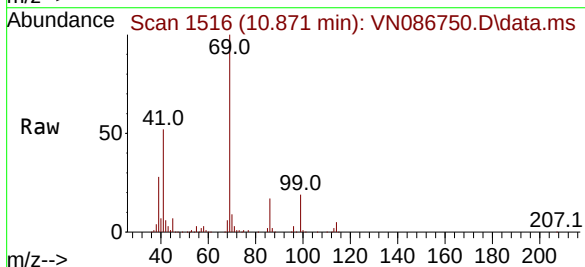
Manual Integrations
APPROVED

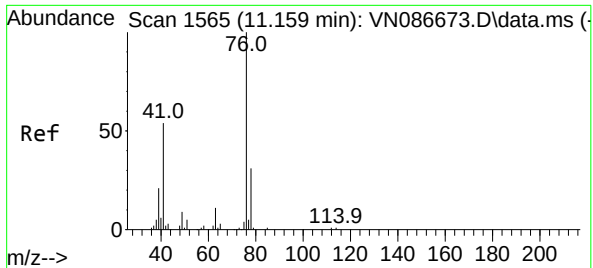
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#56
Ethyl methacrylate
Concen: 49.651 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

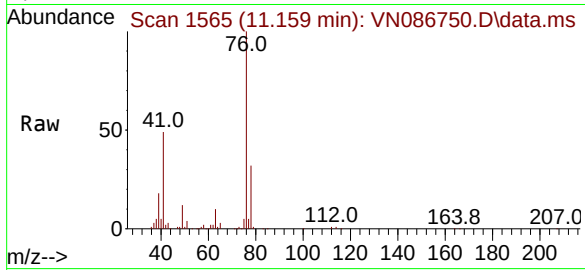
Tgt Ion: 69 Resp: 240637
Ion Ratio Lower Upper
69 100
41 53.9 47.4 71.0
39 24.9 24.0 36.0





#57
1,3-Dichloropropane
Concen: 47.088 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

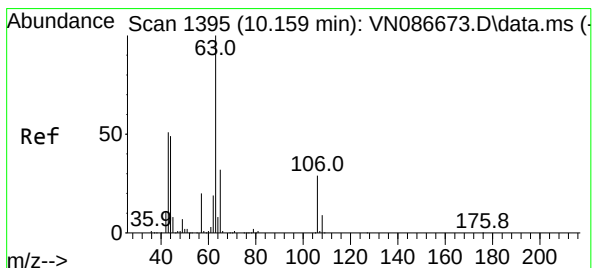
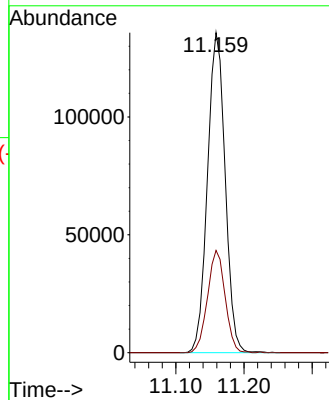
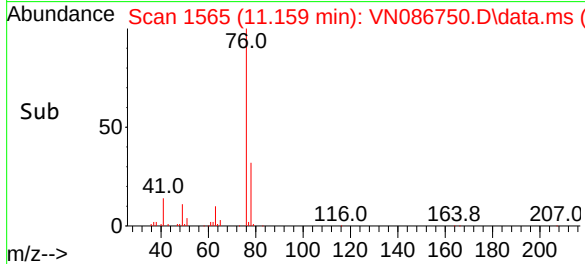
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 76 Resp: 244868
Ion Ratio Lower Upper
76 100
78 31.8 25.8 38.8

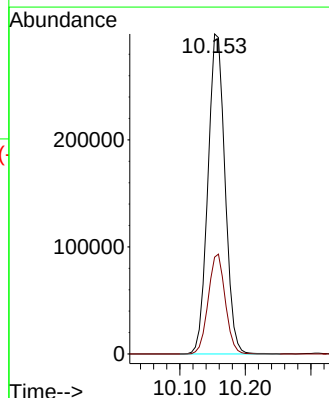
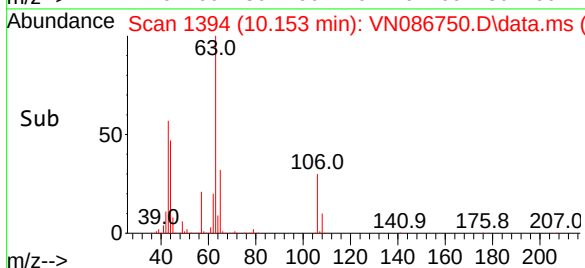
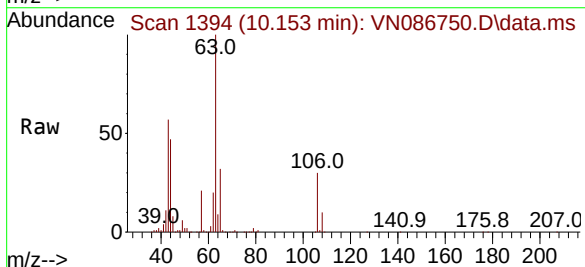
Manual Integrations
APPROVED

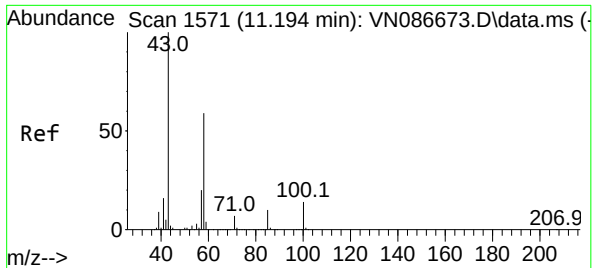
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#58
2-Chloroethyl Vinyl ether
Concen: 250.294 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

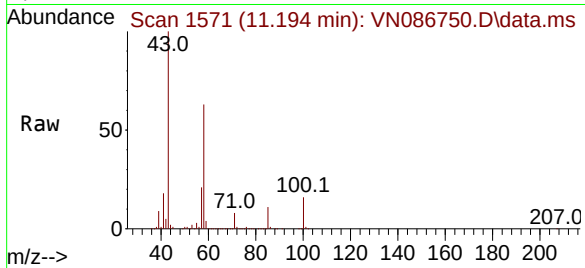
Tgt Ion: 63 Resp: 542149
Ion Ratio Lower Upper
63 100
106 31.0 23.1 34.7





#59
2-Hexanone
Concen: 213.518 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

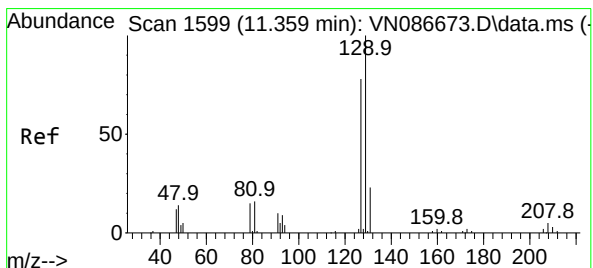
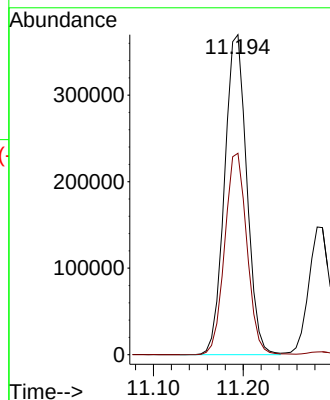
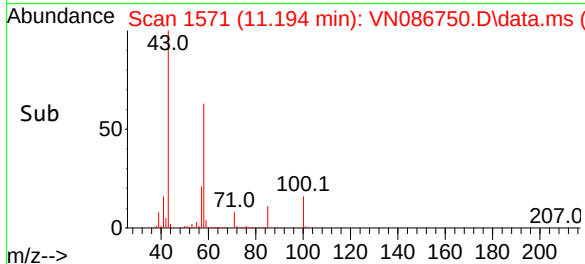
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 635492
Ion Ratio Lower Upper
43 100
58 63.0 29.8 89.5

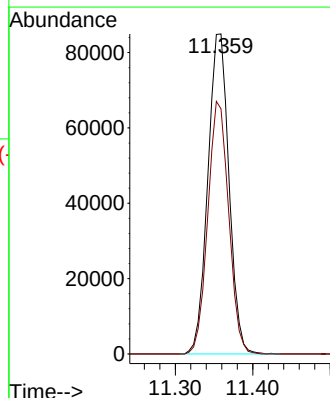
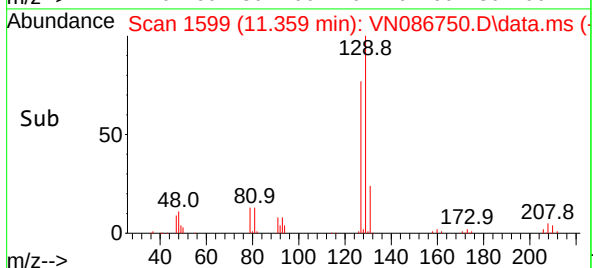
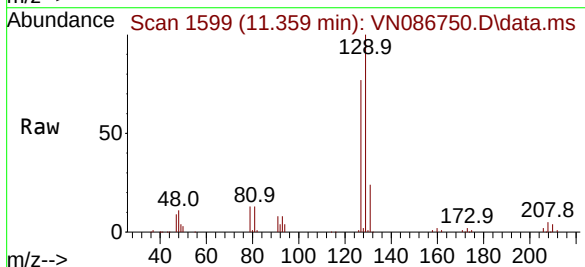
Manual Integrations
APPROVED

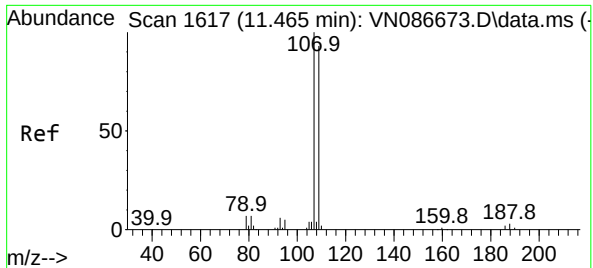
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#60
Dibromochloromethane
Concen: 50.840 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

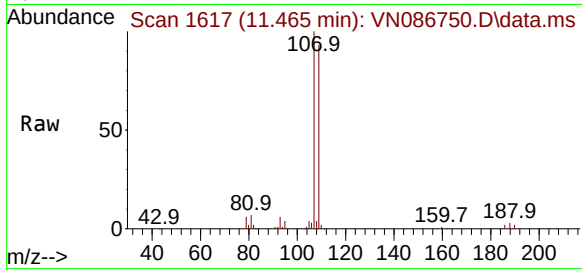
Tgt Ion:129 Resp: 160829
Ion Ratio Lower Upper
129 100
127 77.9 39.5 118.3





#61
1,2-Dibromoethane
Concen: 47.986 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

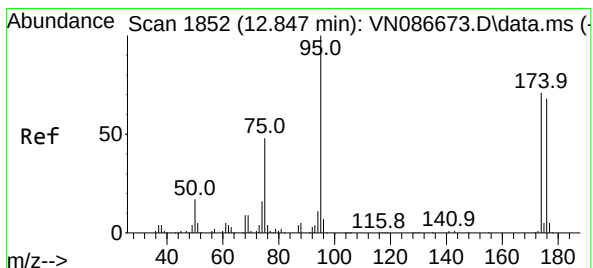
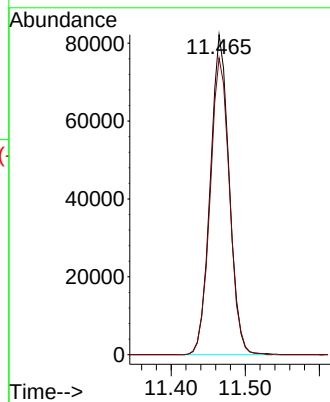
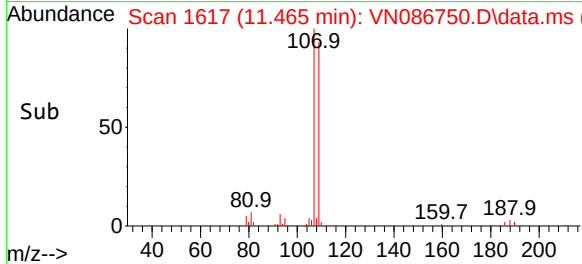
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:107 Resp: 14555
Ion Ratio Lower Upper
107 100
109 95.0 75.0 112.4

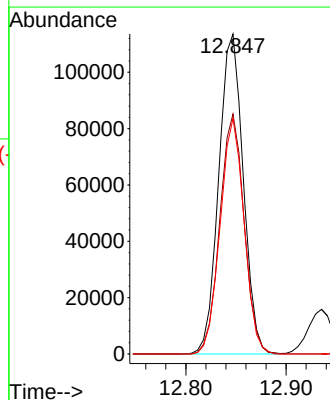
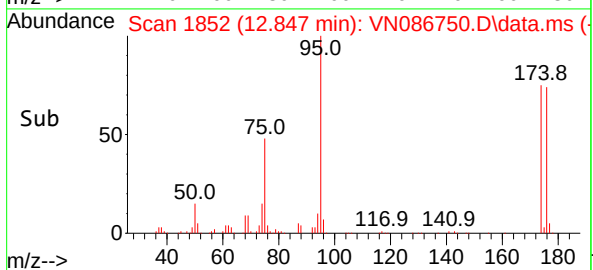
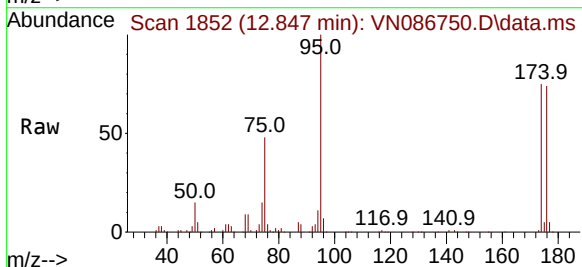
Manual Integrations
APPROVED

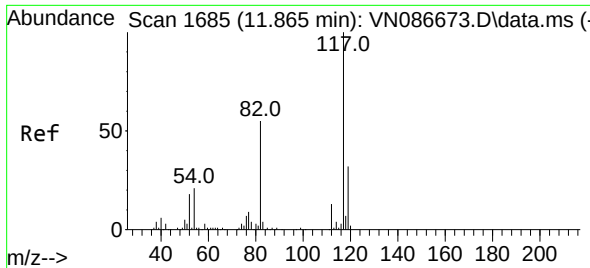
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#62
4-Bromofluorobenzene
Concen: 48.566 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

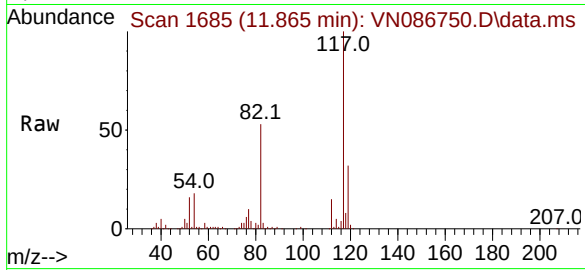
Tgt Ion: 95 Resp: 192277
Ion Ratio Lower Upper
95 100
174 74.4 0.0 145.4
176 72.0 0.0 137.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

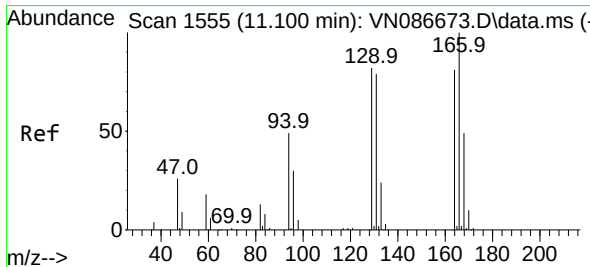
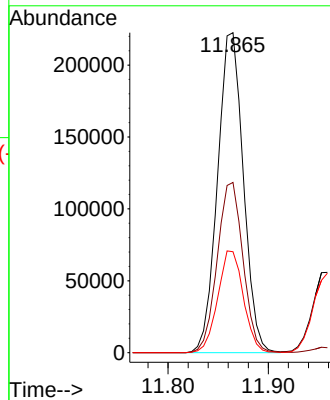
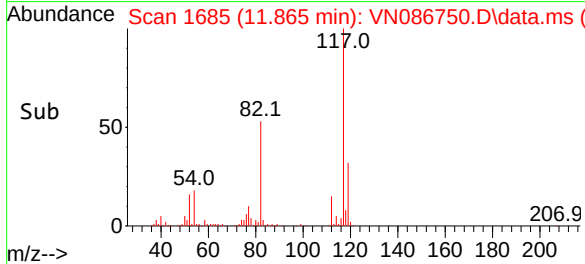
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



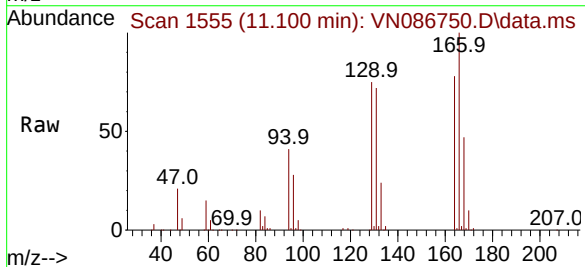
Tgt Ion:117 Resp: 397309
Ion Ratio Lower Upper
117 100
82 53.2 44.2 66.2
119 31.6 25.4 38.2

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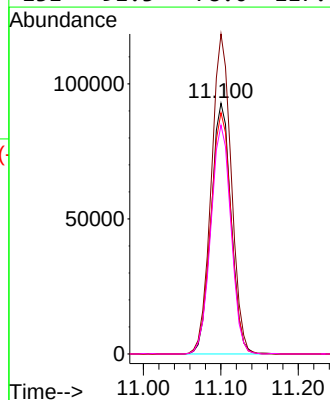
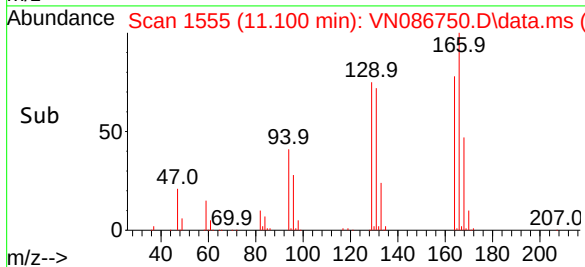
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

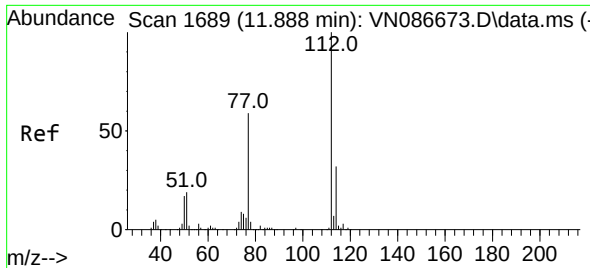


#64
Tetrachloroethene
Concen: 54.764 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21



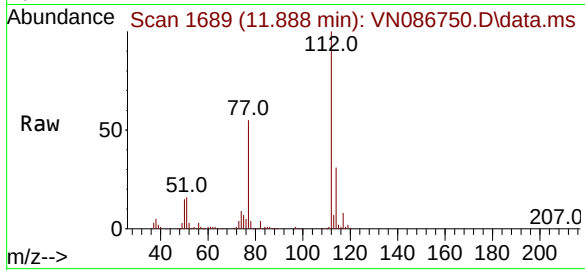
Tgt Ion:164 Resp: 166680
Ion Ratio Lower Upper
164 100
166 127.7 98.2 147.4
129 96.3 81.0 121.4
131 91.3 78.0 117.0





#65
Chlorobenzene
Concen: 49.845 ug/l
RT: 11.888 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

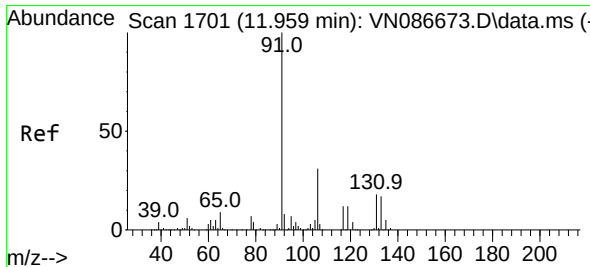
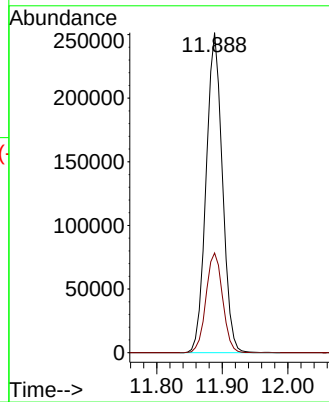
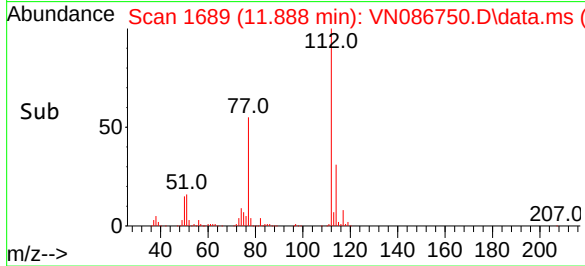
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



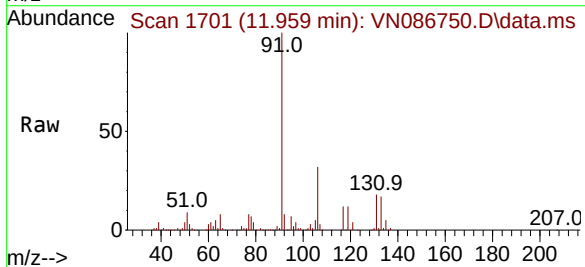
Tgt Ion:112 Resp: 434264
Ion Ratio Lower Upper
112 100
114 31.1 25.9 38.9

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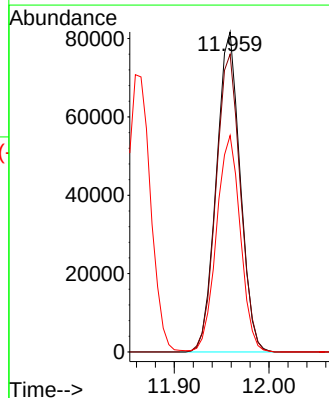
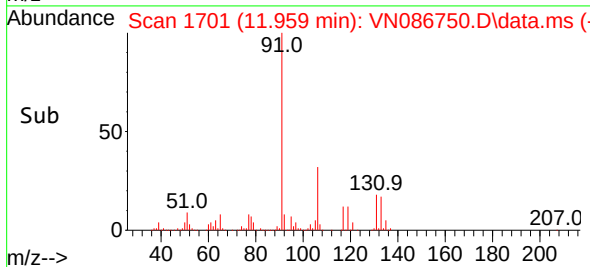
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

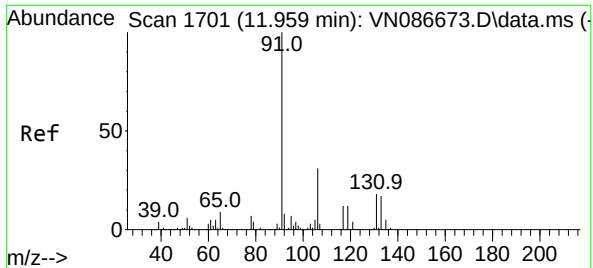


#66
1,1,1,2-Tetrachloroethane
Concen: 50.782 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21



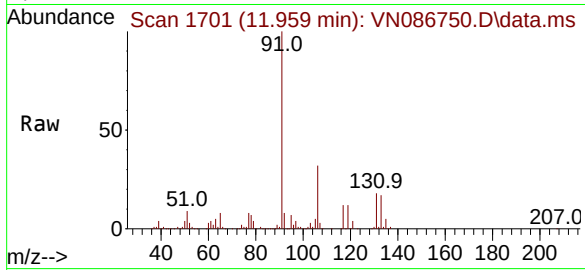
Tgt Ion:131 Resp: 142827
Ion Ratio Lower Upper
131 100
133 95.1 47.9 143.7
119 68.0 33.6 100.8





#67
Ethyl Benzene
Concen: 49.578 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

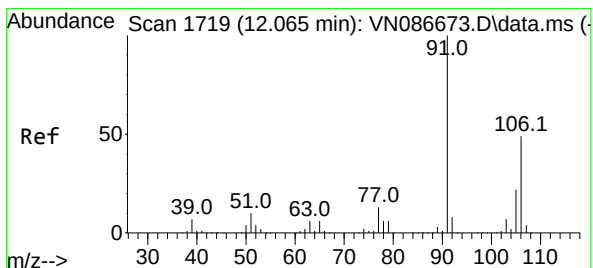
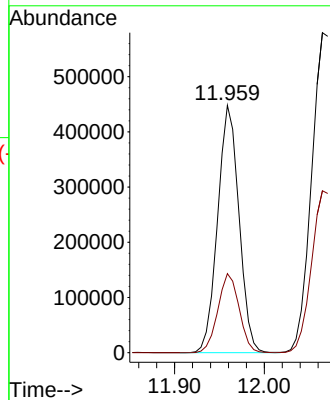
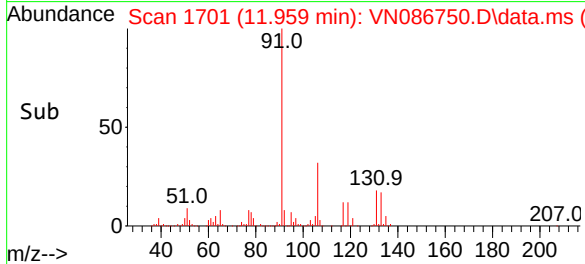
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 91 Resp: 739840
Ion Ratio Lower Upper
91 100
106 31.9 24.6 36.8

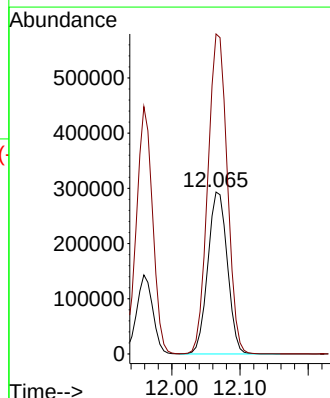
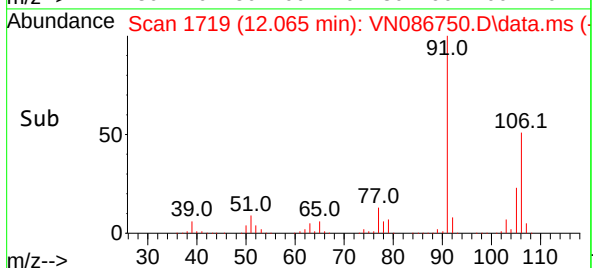
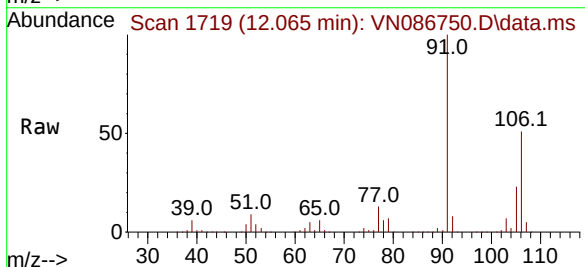
Manual Integrations
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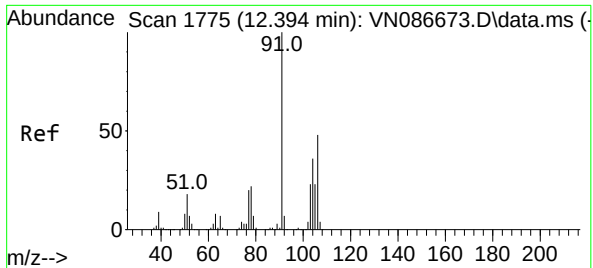
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#68
m/p-Xylenes
Concen: 103.375 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

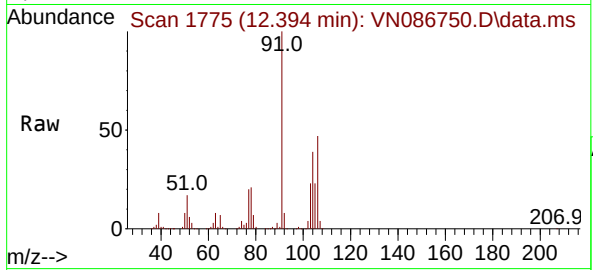
Tgt Ion:106 Resp: 584293
Ion Ratio Lower Upper
106 100
91 196.6 162.4 243.6





#69
o-Xylene
Concen: 50.553 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

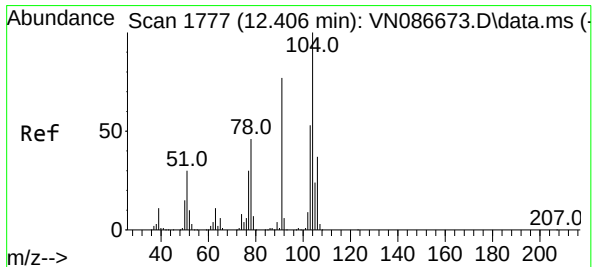
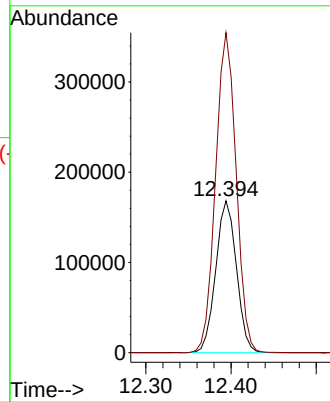
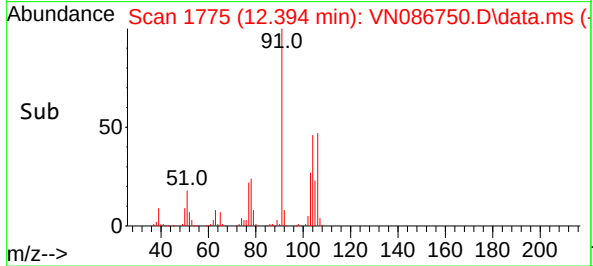
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:106 Resp: 284069
Ion Ratio Lower Upper
106 100
91 209.7 105.1 315.1

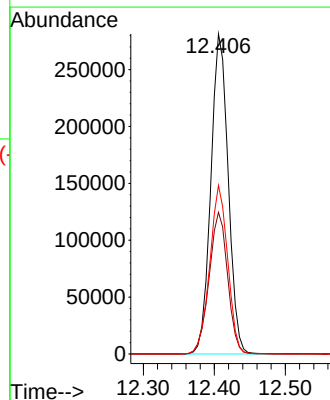
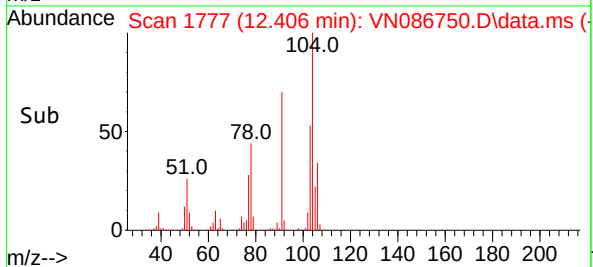
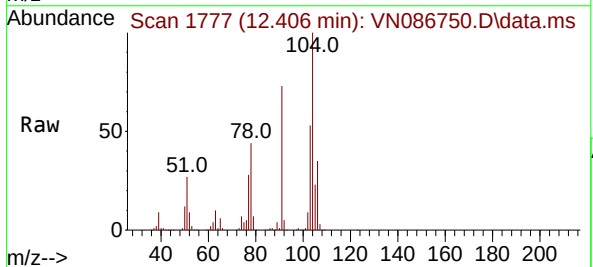
Manual Integrations
APPROVED

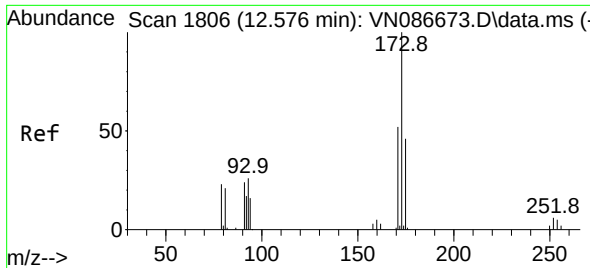
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#70
Styrene
Concen: 51.964 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

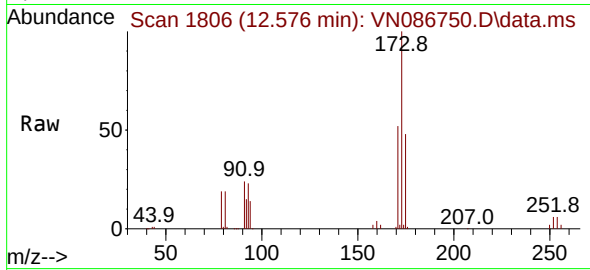
Tgt Ion:104 Resp: 478067
Ion Ratio Lower Upper
104 100
78 47.1 39.0 58.6
103 54.4 43.8 65.8





#71
Bromoform
Concen: 53.558 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

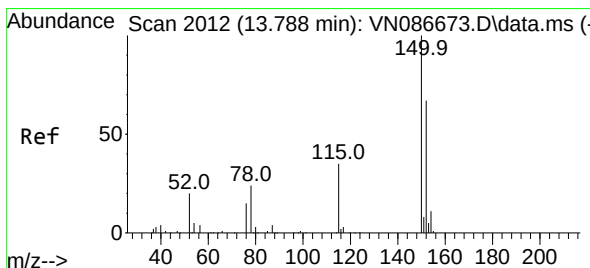
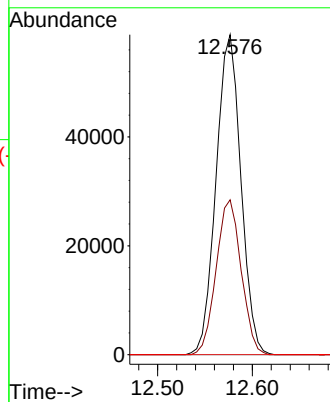
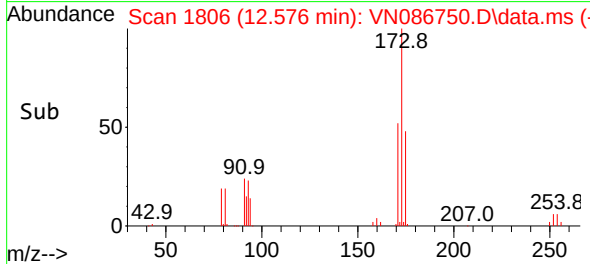
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:173 Resp: 107128
Ion Ratio Lower Upper
173 100
175 48.7 23.4 70.2
254 0.0 0.0 0.0

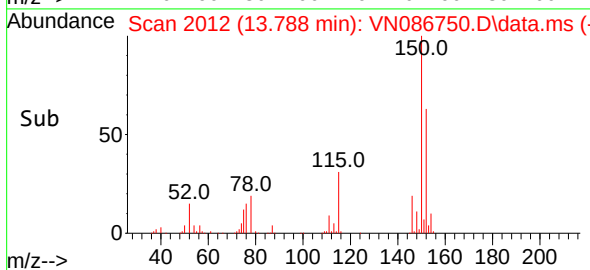
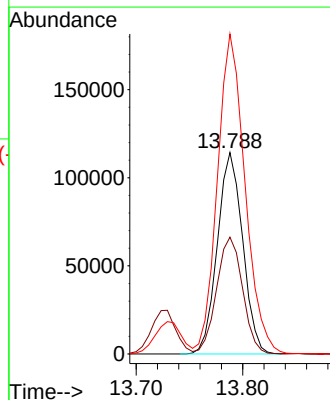
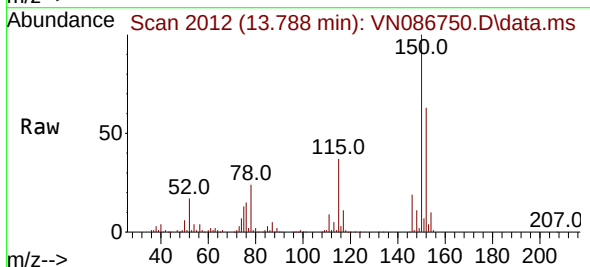
Manual Integrations
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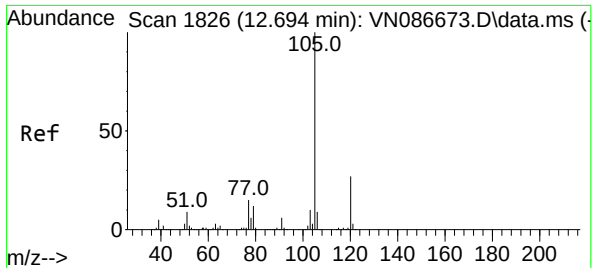
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

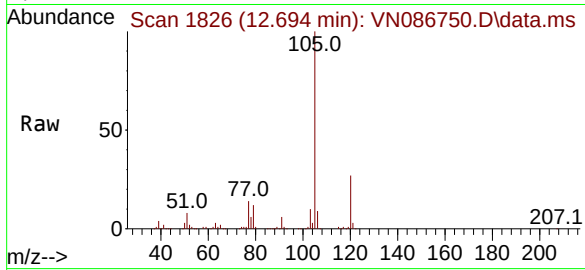
Tgt Ion:152 Resp: 188336
Ion Ratio Lower Upper
152 100
115 59.6 30.0 90.1
150 173.6 0.0 347.8





#73
Isopropylbenzene
Concen: 46.666 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

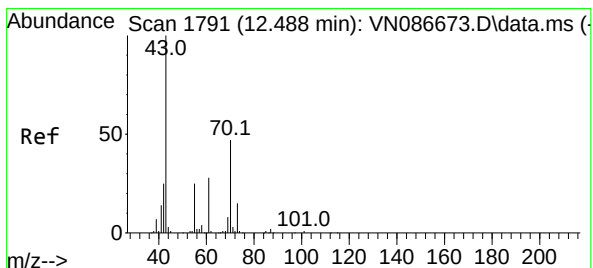
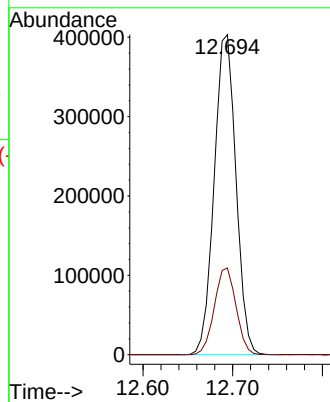
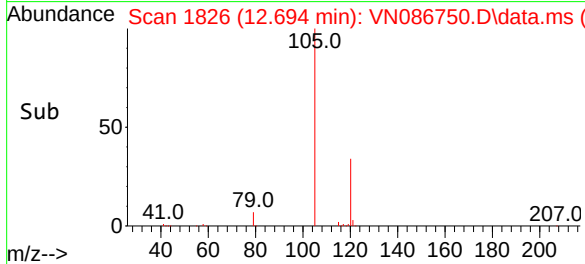
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:105 Resp: 678798
Ion Ratio Lower Upper
105 100
120 27.0 13.4 40.1

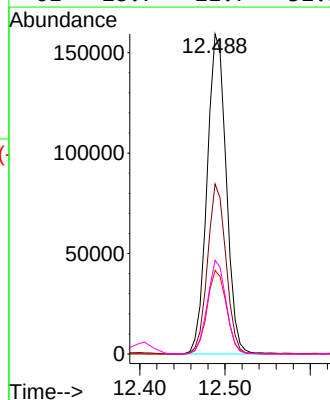
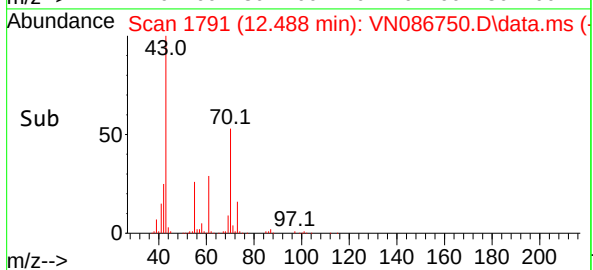
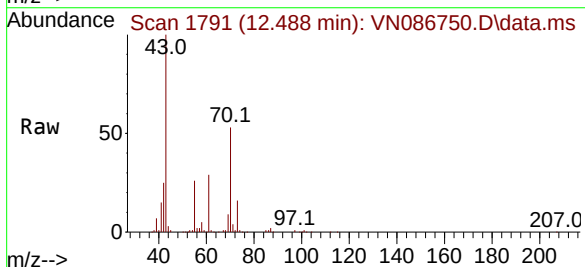
Manual Integrations
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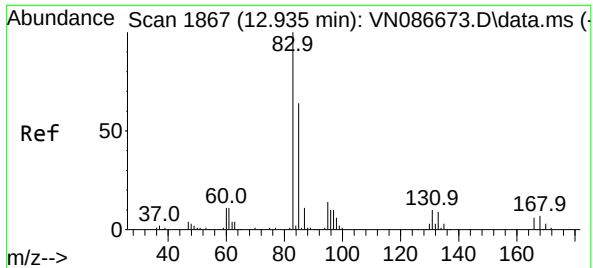
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#74
N-ethyl acetate
Concen: 40.985 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

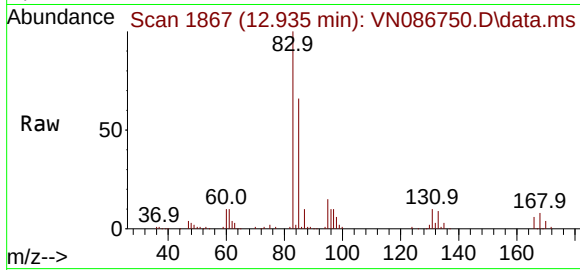
Tgt Ion: 43 Resp: 249083
Ion Ratio Lower Upper
43 100
70 51.1 37.9 56.9
55 26.5 20.5 30.7
61 28.7 21.7 32.5





#75
1,1,2,2-Tetrachloroethane
Concen: 41.463 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

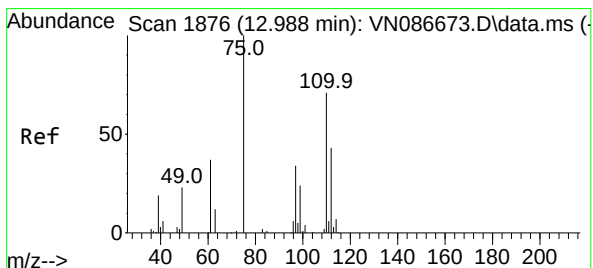
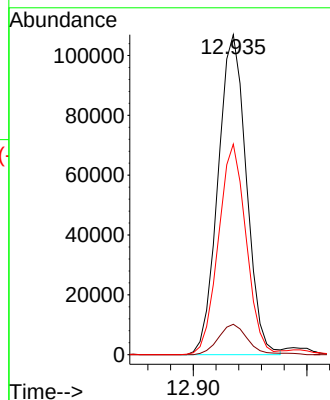
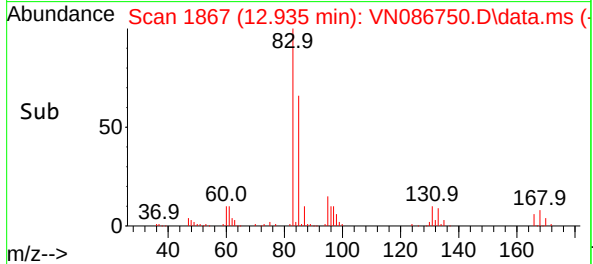
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 83 Resp: 18529
Ion Ratio Lower Upper
83 100
131 10.0 5.0 15.0
85 64.6 32.4 97.2

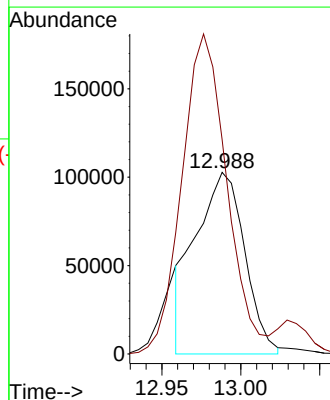
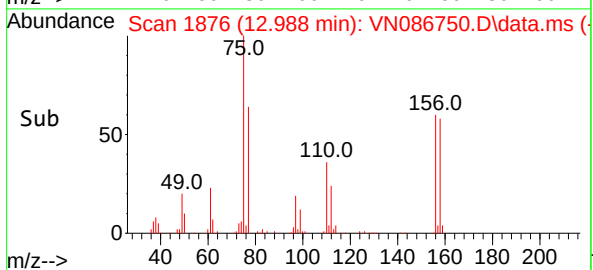
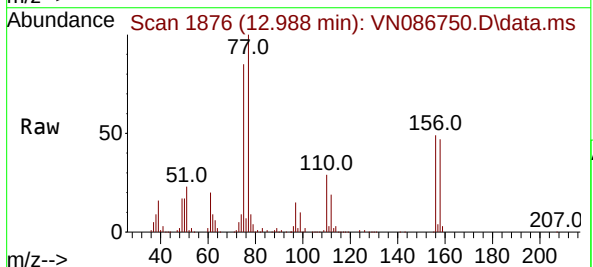
Manual Integrations
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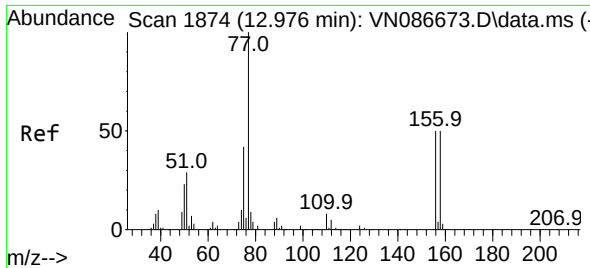
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#76
1,2,3-Trichloropropane
Concen: 52.254 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

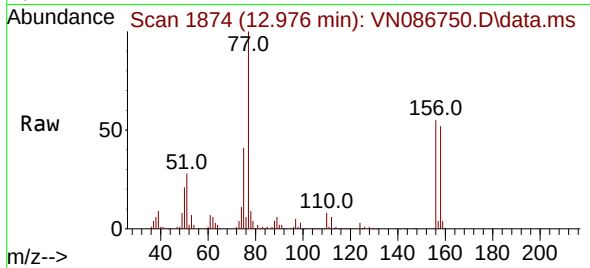
Tgt Ion: 75 Resp: 222570
Ion Ratio Lower Upper
75 100
77 161.4 96.0 288.1





#77
Bromobenzene
Concen: 46.632 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

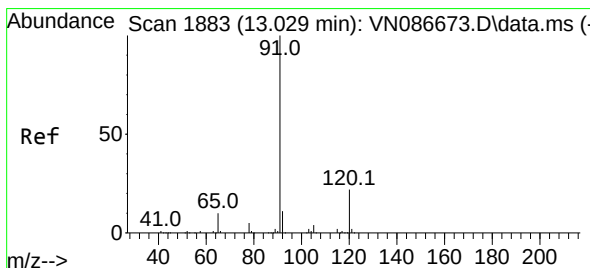
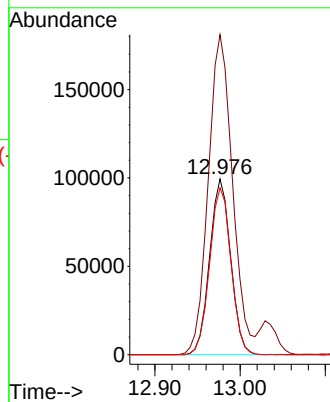
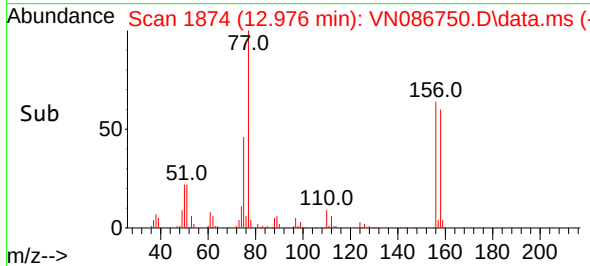
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



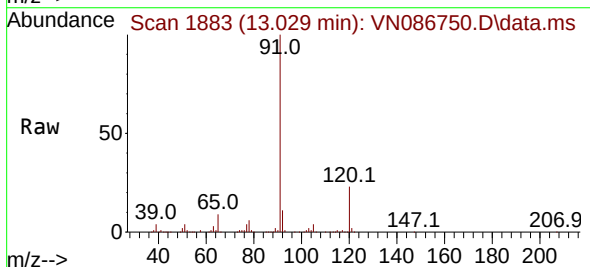
Tgt Ion: 156 Resp: 170628
Ion Ratio Lower Upper
156 100
77 210.6 113.1 339.2
158 96.1 48.6 145.9

Manual Integrations
APPROVED

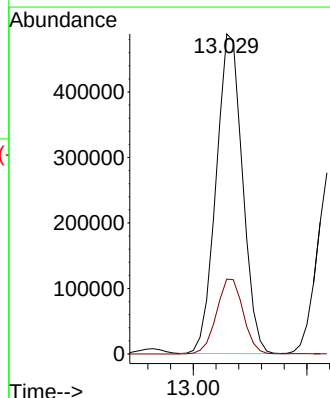
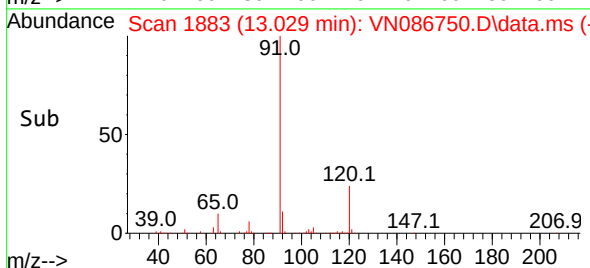
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

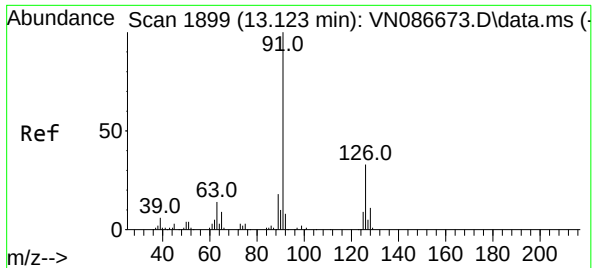


#78
n-propylbenzene
Concen: 47.163 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21



Tgt Ion: 91 Resp: 787287
Ion Ratio Lower Upper
91 100
120 23.7 11.4 34.1





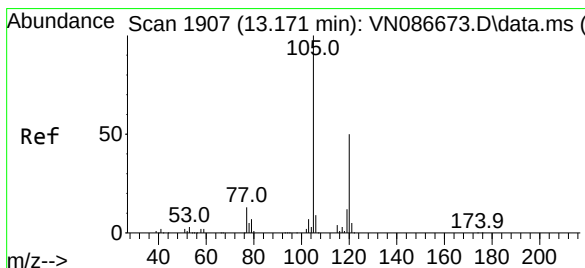
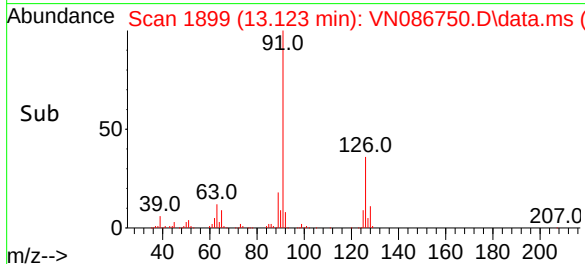
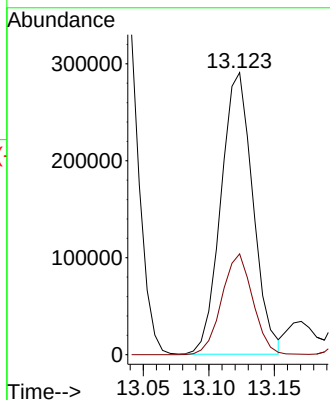
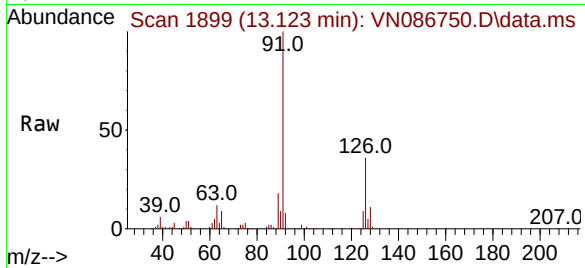
#79
2-Chlorotoluene
Concen: 45.504 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 493894
Ion Ratio Lower Upper
91 100
126 34.7 16.6 49.7

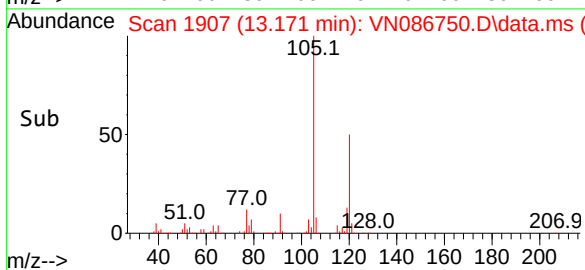
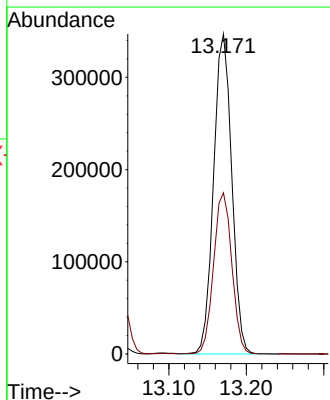
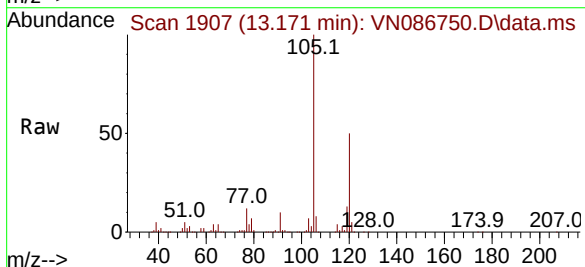
Manual Integrations
APPROVED

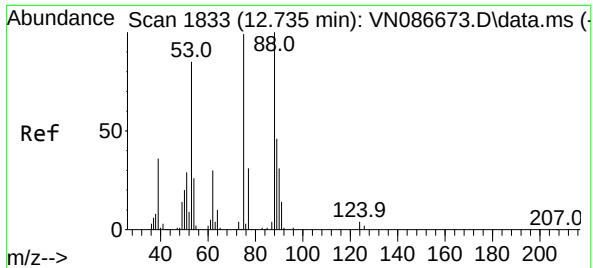
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#80
1,3,5-Trimethylbenzene
Concen: 48.488 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

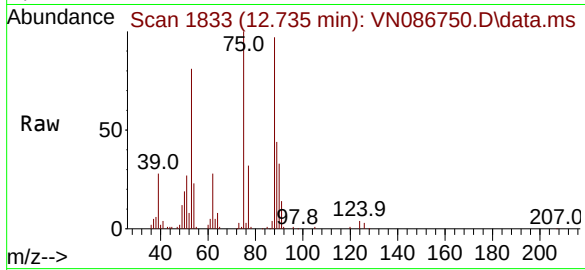
Tgt Ion:105 Resp: 565076
Ion Ratio Lower Upper
105 100
120 50.7 24.9 74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 49.849 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

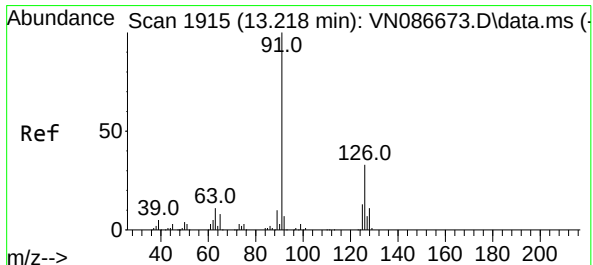
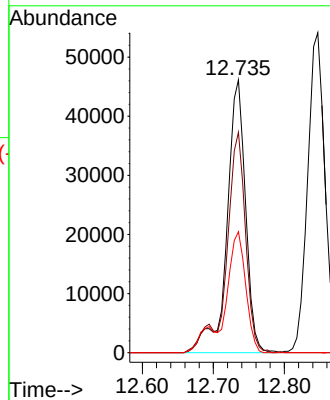
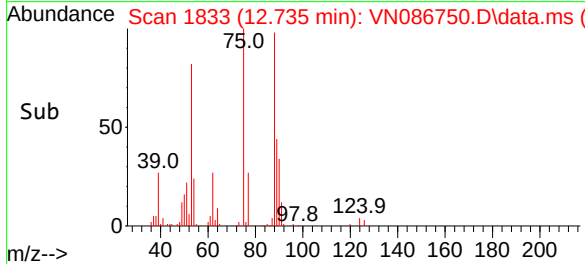
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 84134
Ion Ratio Lower Upper
75 100
53 73.2 70.4 105.6
89 41.2 32.4 48.6

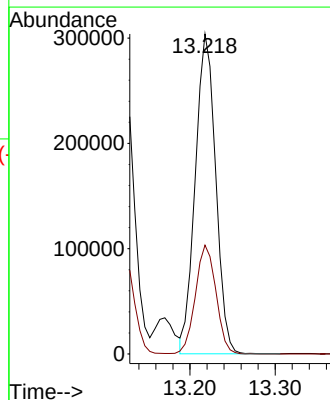
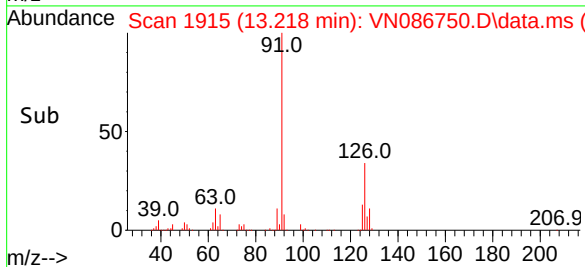
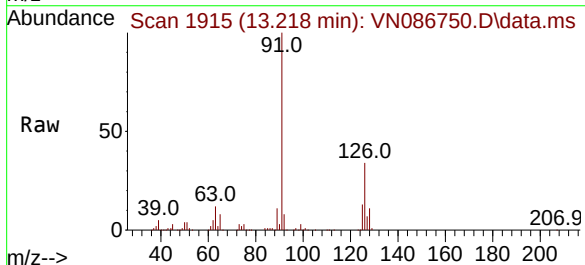
Manual Integrations
APPROVED

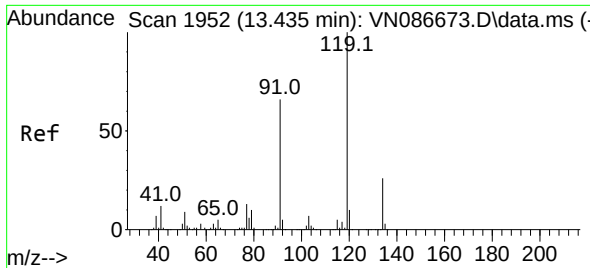
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#82
4-Chlorotoluene
Concen: 46.872 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

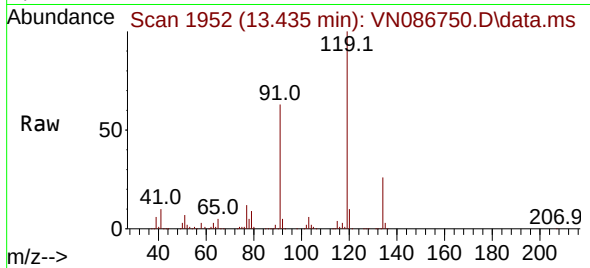
Tgt Ion: 91 Resp: 504030
Ion Ratio Lower Upper
91 100
126 34.3 17.0 50.9





#83
tert-Butylbenzene
Concen: 47.263 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

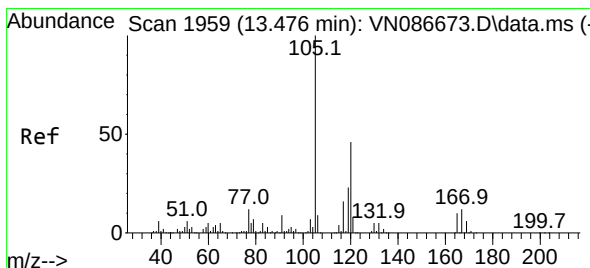
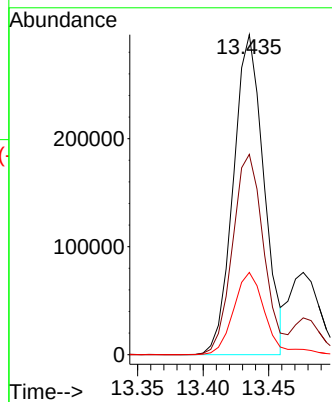
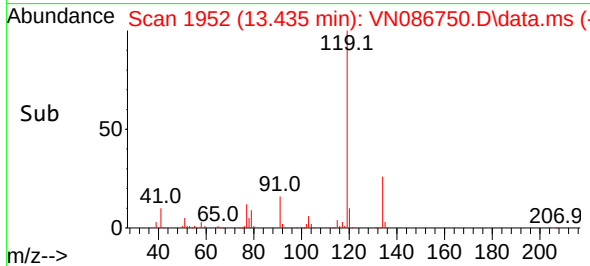
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



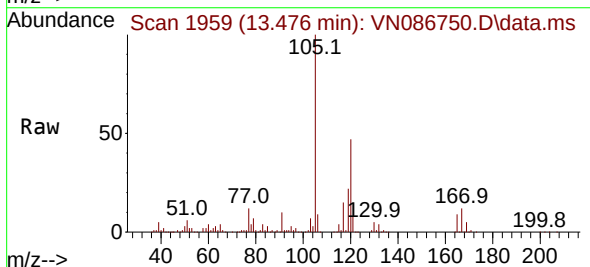
Tgt Ion:119 Resp: 48034
Ion Ratio Lower Upper
119 100
91 64.6 32.9 98.7
134 26.9 13.4 40.1

Manual Integrations
APPROVED

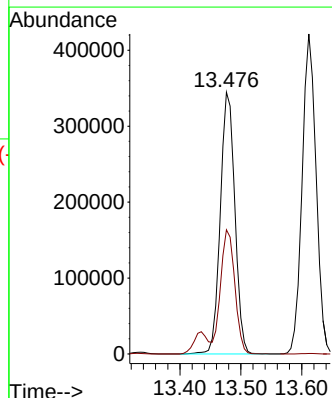
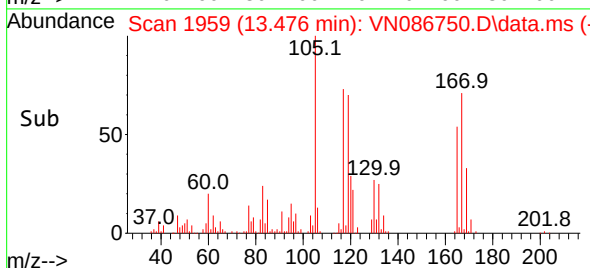
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

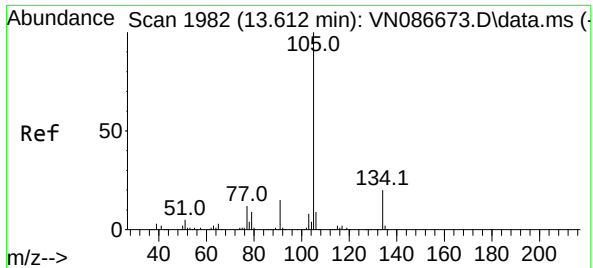


#84
1,2,4-Trimethylbenzene
Concen: 49.283 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21



Tgt Ion:105 Resp: 571940
Ion Ratio Lower Upper
105 100
120 46.2 23.2 69.6





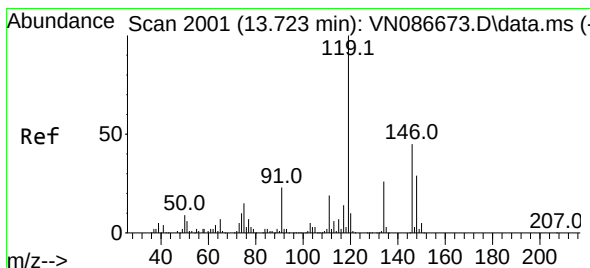
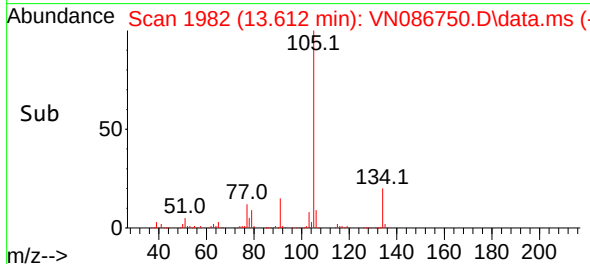
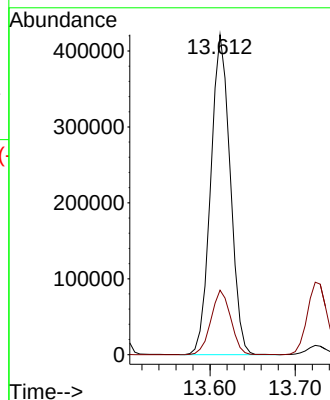
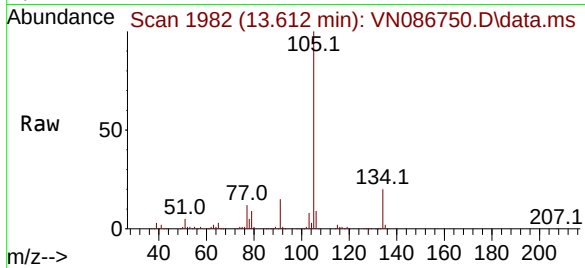
#85
 sec-Butylbenzene
 Concen: 49.152 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN086750.D
 Acq: 22 May 2025 08:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 669819
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.1 30.1

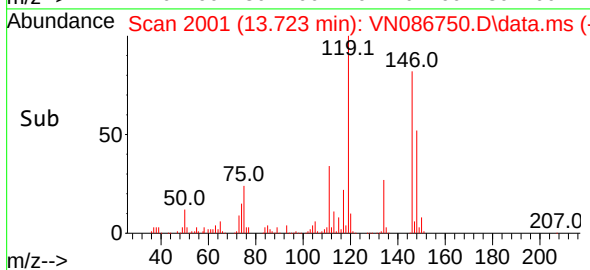
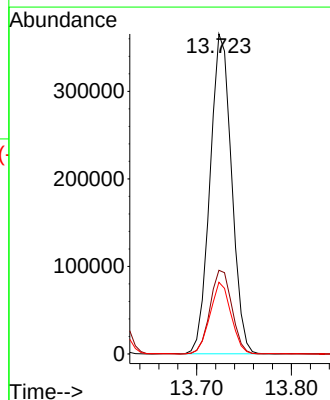
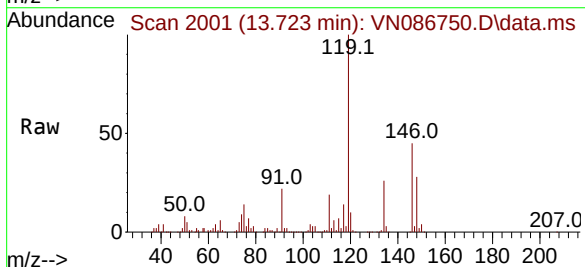
Manual Integrations
 APPROVED

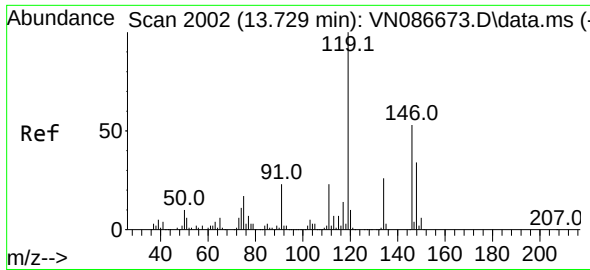
Reviewed By :John Carlone 05/23/2025
 Supervised By :Mahesh Dadoda 05/23/2025



#86
 p-Isopropyltoluene
 Concen: 51.747 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. -0.000 min
 Lab File: VN086750.D
 Acq: 22 May 2025 08:21

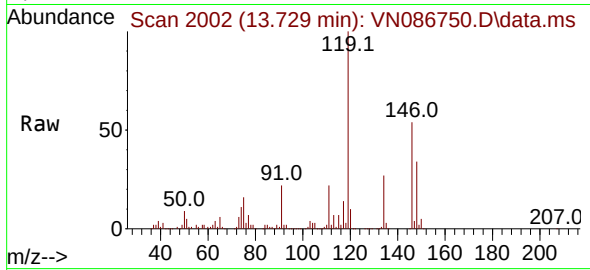
Tgt Ion:119 Resp: 578026
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.1 39.1
 91 22.0 11.5 34.5





#87
1,3-Dichlorobenzene
Concen: 49.694 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

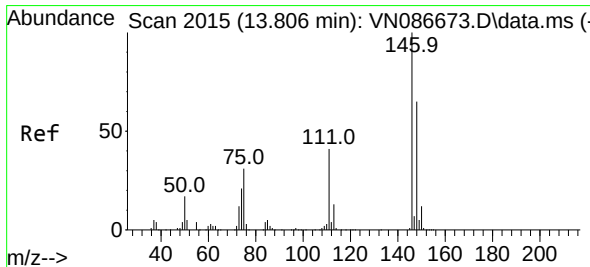
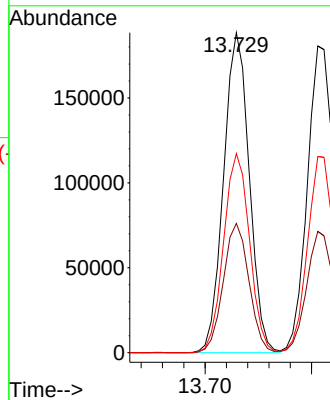
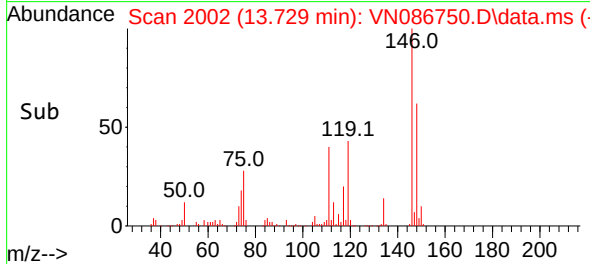
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:146 Resp: 314860
Ion Ratio Lower Upper
146 100
111 40.4 20.9 62.7
148 62.9 31.8 95.4

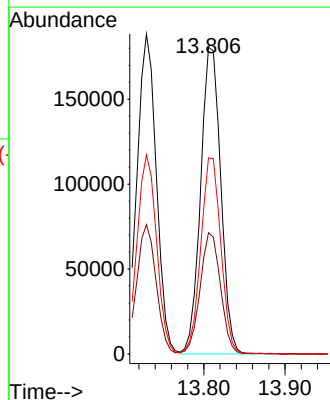
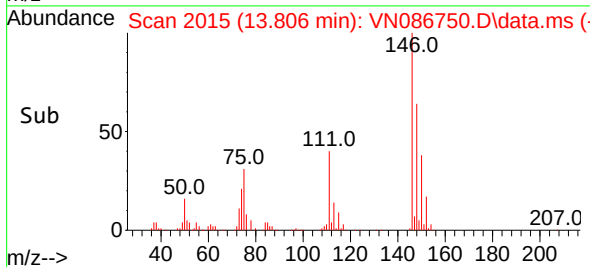
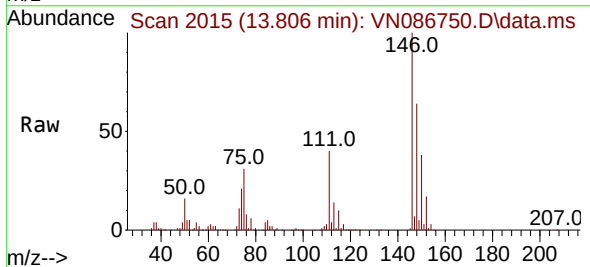
Manual Integrations
APPROVED

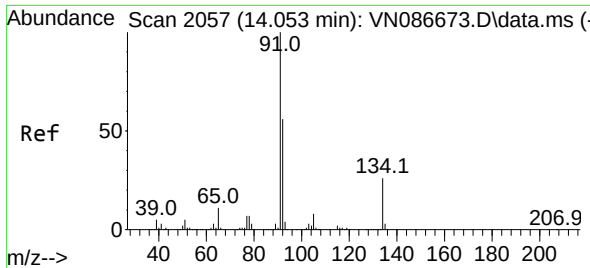
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#88
1,4-Dichlorobenzene
Concen: 49.665 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

Tgt Ion:146 Resp: 311786
Ion Ratio Lower Upper
146 100
111 40.2 20.6 61.8
148 63.6 32.0 96.0





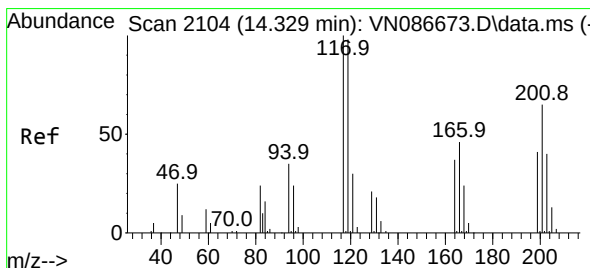
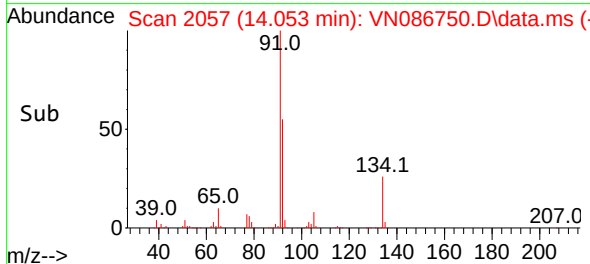
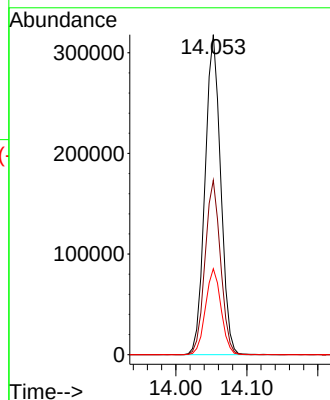
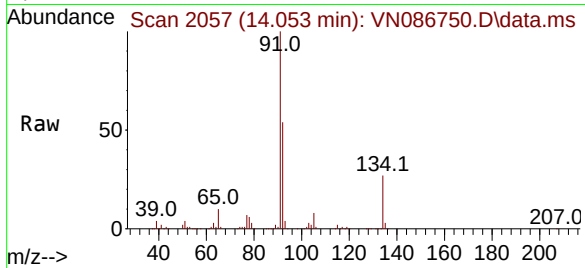
#89
n-Butylbenzene
Concen: 52.666 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 487690
Ion Ratio Lower Upper
91 100
92 53.9 27.4 82.0
134 26.7 12.8 38.4

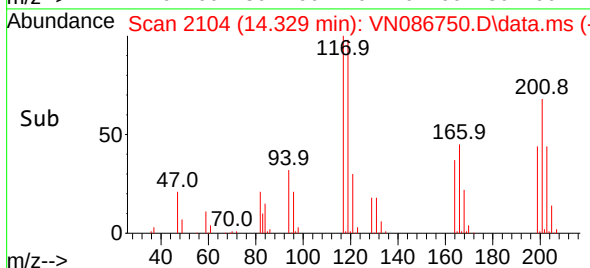
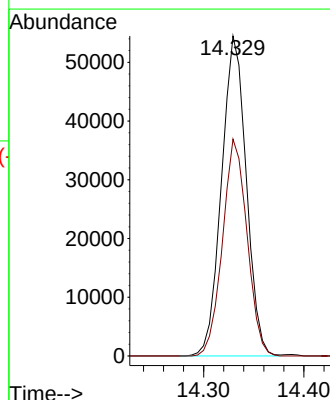
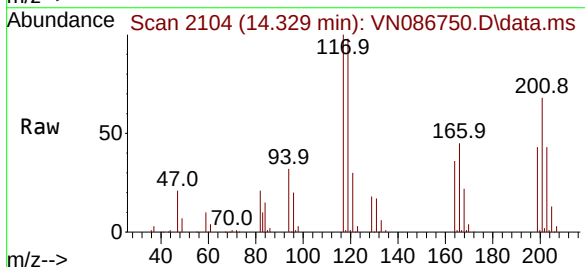
Manual Integrations
APPROVED

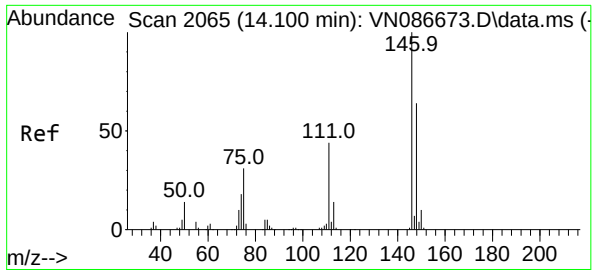
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#90
Hexachloroethane
Concen: 50.283 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

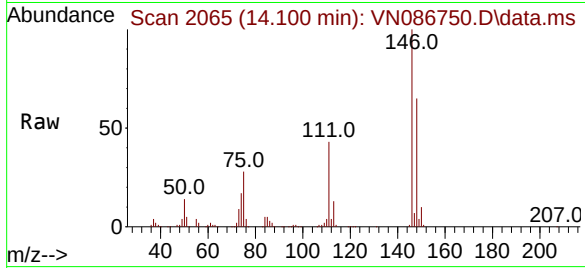
Tgt Ion:117 Resp: 93193
Ion Ratio Lower Upper
117 100
201 67.2 32.0 96.0





#91
1,2-Dichlorobenzene
Concen: 49.355 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

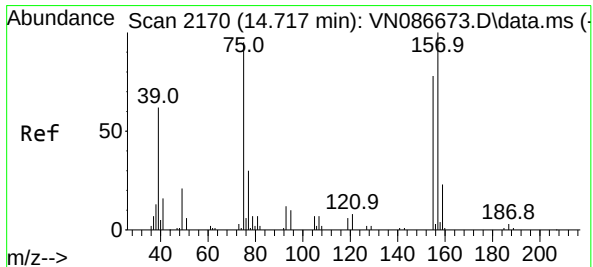
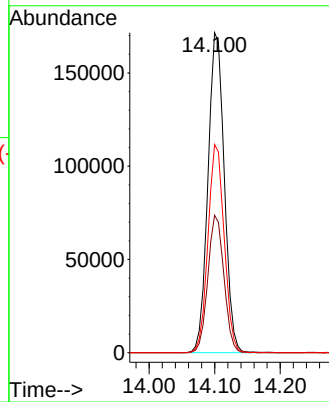
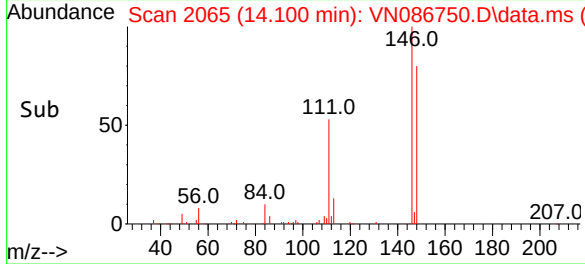
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:146 Resp: 297440
Ion Ratio Lower Upper
146 100
111 42.3 21.6 65.0
148 64.5 31.7 95.1

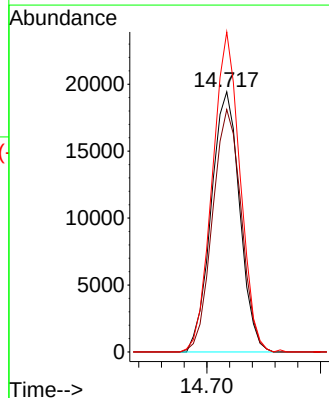
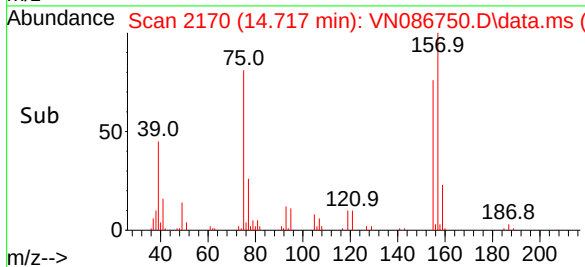
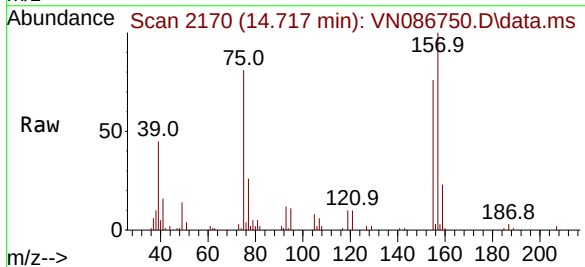
Manual Integrations
APPROVED

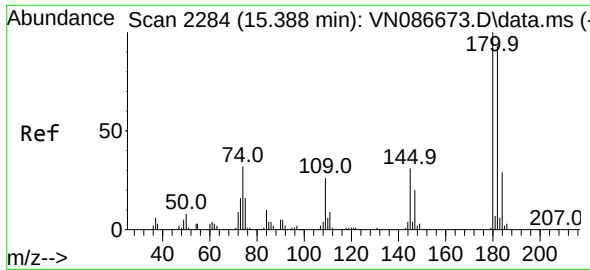
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 45.845 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

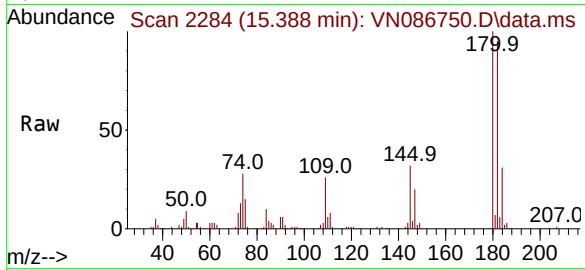
Tgt Ion: 75 Resp: 33939
Ion Ratio Lower Upper
75 100
155 93.7 40.5 121.5
157 119.3 53.6 160.8





#93
1,2,4-Trichlorobenzene
Concen: 55.466 ug/l
RT: 15.388 min Scan# 2109
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

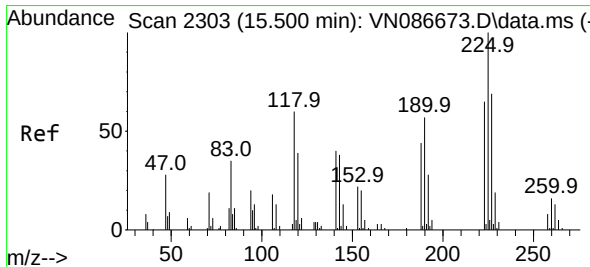
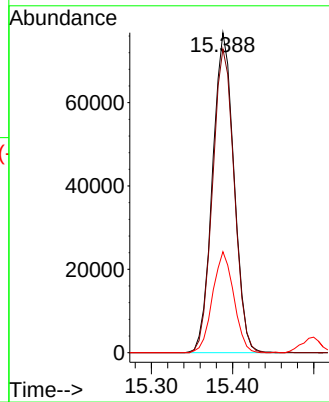
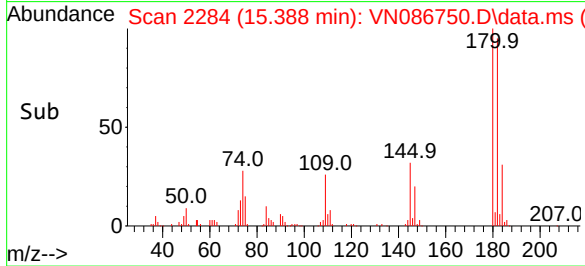
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



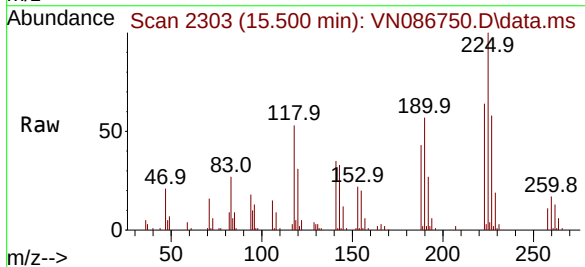
Tgt Ion:180 Resp: 14109
Ion Ratio Lower Upper
180 100
182 95.5 47.1 141.3
145 31.2 15.6 46.8

Manual Integrations
APPROVED

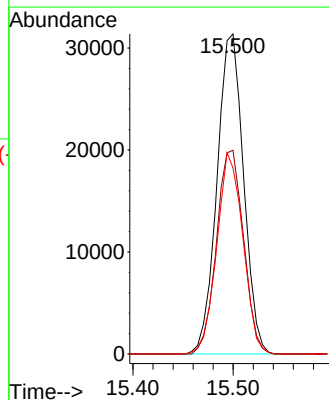
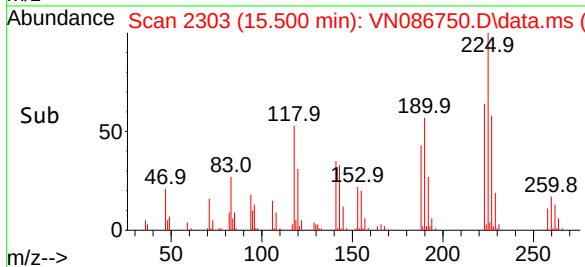
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

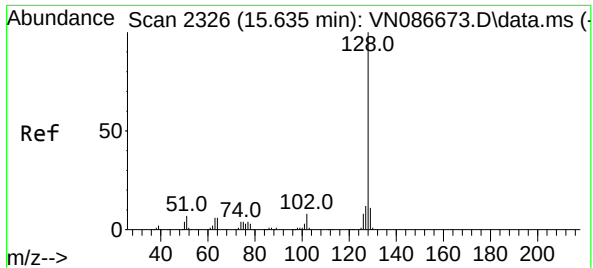


#94
Hexachlorobutadiene
Concen: 54.714 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21



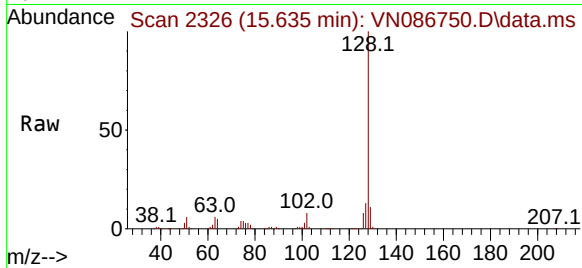
Tgt Ion:225 Resp: 57747
Ion Ratio Lower Upper
225 100
223 64.8 32.9 98.6
227 61.7 32.4 97.2





#95
Naphthalene
Concen: 52.617 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

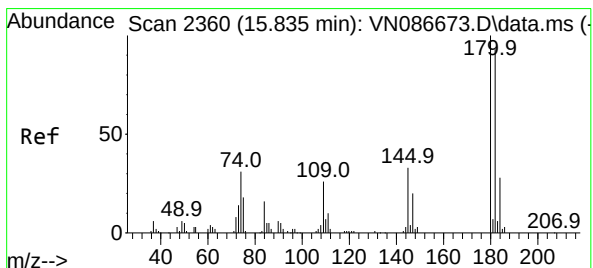
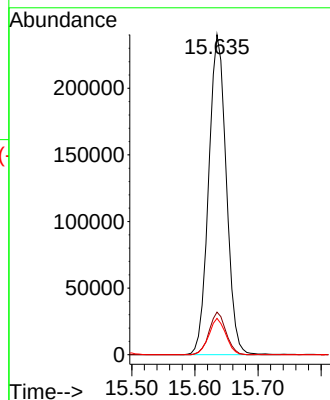
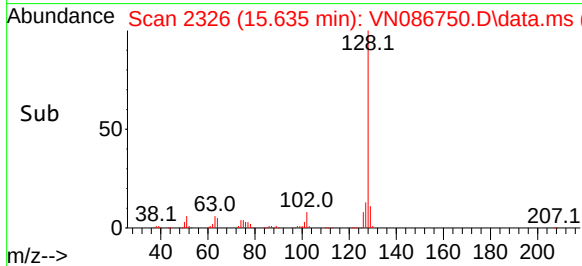
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:128 Resp: 46475
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.9 8.6 13.0

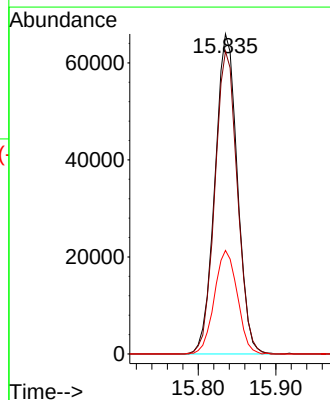
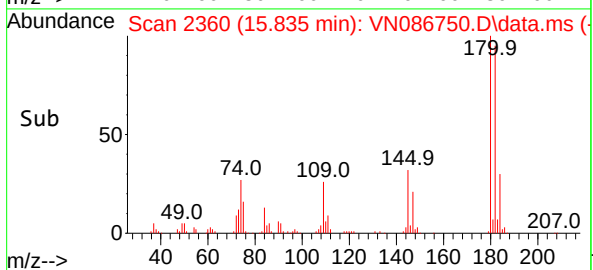
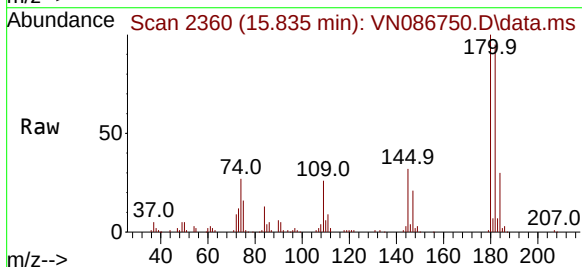
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#96
1,2,3-Trichlorobenzene
Concen: 53.267 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086750.D
Acq: 22 May 2025 08:21

Tgt Ion:180 Resp: 132698
Ion Ratio Lower Upper
180 100
182 94.7 47.0 141.2
145 33.1 16.7 50.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052225\
 Data File : VN086750.D
 Acq On : 22 May 2025 08:21
 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 23 01:29:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 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	134	0.00
2 T	Dichlorodifluoromethane	0.540	0.529	2.0	118	0.00
3 P	Chloromethane	0.817	0.661	19.1	113	0.00
4 C	Vinyl Chloride	0.733	0.639	12.8#	114	0.00
5 T	Bromomethane	0.423	0.347	18.0	115	0.00
6 T	Chloroethane	0.480	0.402	16.2	116	0.00
7 T	Trichlorofluoromethane	0.877	0.819	6.6	125	0.00
8 T	Diethyl Ether	0.362	0.335	7.5	124	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.525	0.519	1.1	132	0.00
10 T	Methyl Iodide	0.653	0.587	10.1	121	0.00
11 T	Tert butyl alcohol	0.126	0.102	19.0	112	0.00
12 CM	1,1-Dichloroethene	0.558	0.523	6.3#	128	0.00
13 T	Acrolein	0.135	0.137	-1.5	137	0.00
14 T	Allyl chloride	0.844	0.703	16.7	114	0.00
15 T	Acrylonitrile	0.312	0.265	15.1	114	0.00
16 T	Acetone	0.258	0.213	17.4	117	0.00
17 T	Carbon Disulfide	1.544	1.389	10.0	121	0.00
18 T	Methyl Acetate	0.723	0.550	23.9	111	0.00
19 T	Methyl tert-butyl Ether	1.899	1.732	8.8	121	0.00
20 T	Methylene Chloride	0.682	0.579	15.1	123	0.00
21 T	trans-1,2-Dichloroethene	0.590	0.546	7.5	127	0.00
22 T	Diisopropyl ether	1.904	1.618	15.0	113	0.00
23 T	Vinyl Acetate	1.431	1.199	16.2	110	0.00
24 P	1,1-Dichloroethane	1.118	0.964	13.8	117	0.00
25 T	2-Butanone	0.399	0.327	18.0	109	0.00
26 T	2,2-Dichloropropane	0.923	0.869	5.9	131	0.00
27 T	cis-1,2-Dichloroethene	0.724	0.657	9.3	123	0.00
28 T	Bromochloromethane	0.508	0.422	16.9	111	0.00
29 T	Tetrahydrofuran	0.261	0.212	18.8	107	0.00
30 C	Chloroform	1.119	0.975	12.9#	119	0.00
31 T	Cyclohexane	1.037	0.846	18.4	115	0.00
32 T	1,1,1-Trichloroethane	0.944	0.841	10.9	119	0.00
33 S	1,2-Dichloroethane-d4	0.691	0.561	18.8	108	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	124	0.00
35 S	Dibromofluoromethane	0.298	0.288	3.4	120	0.00
36 T	1,1-Dichloropropene	0.439	0.426	3.0	121	0.00
37 T	Ethyl Acetate	0.444	0.376	15.3	107	0.00
38 T	Carbon Tetrachloride	0.433	0.429	0.9	124	0.00
39 T	Methylcyclohexane	0.475	0.486	-2.3	125	0.00
40 TM	Benzene	1.433	1.359	5.2	120	0.00
41 T	Methacrylonitrile	0.240	0.208	13.3	108	0.00
42 TM	1,2-Dichloroethane	0.446	0.396	11.2	112	0.00
43 T	Isopropyl Acetate	0.889	0.668	24.9	108	0.00
44 TM	Trichloroethene	0.346	0.360	-4.0	130	0.00
45 C	1,2-Dichloropropane	0.340	0.319	6.2#	118	0.00
46 T	Dibromomethane	0.230	0.218	5.2	119	0.00
47 T	Bromodichloromethane	0.473	0.456	3.6	120	0.00
48 T	Methyl methacrylate	0.345	0.303	12.2	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052225\
 Data File : VN086750.D
 Acq On : 22 May 2025 08:21
 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 23 01:29:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 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	114	0.00
50 S	Toluene-d8	1.234	1.187	3.8	118	0.00
51 T	4-Methyl-2-Pentanone	0.449	0.382	14.9	105	0.00
52 CM	Toluene	0.891	0.866	2.8#	121	0.00
53 T	t-1,3-Dichloropropene	0.501	0.502	-0.2	121	0.00
54 T	cis-1,3-Dichloropropene	0.547	0.541	1.1	123	0.00
55 T	1,1,2-Trichloroethane	0.332	0.312	6.0	121	0.00
56 T	Ethyl methacrylate	0.533	0.530	0.6	118	0.00
57 T	1,3-Dichloropropane	0.572	0.539	5.8	119	0.00
58 T	2-Chloroethyl Vinyl ether	0.238	0.239	-0.4	115	0.00
59 T	2-Hexanone	0.328	0.280	14.6	104	0.00
60 T	Dibromochloromethane	0.348	0.354	-1.7	126	0.00
61 T	1,2-Dibromoethane	0.334	0.320	4.2	119	0.00
62 S	4-Bromofluorobenzene	0.436	0.423	3.0	117	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	119	0.00
64 T	Tetrachloroethene	0.383	0.420	-9.7	136	0.00
65 PM	Chlorobenzene	1.096	1.093	0.3	123	0.00
66 T	1,1,1,2-Tetrachloroethane	0.354	0.359	-1.4	123	0.00
67 C	Ethyl Benzene	1.878	1.862	0.9#	119	0.00
68 T	m/p-Xylenes	0.711	0.735	-3.4	122	0.00
69 T	o-Xylene	0.707	0.715	-1.1	118	0.00
70 T	Styrene	1.158	1.203	-3.9	120	0.00
71 P	Bromoform	0.252	0.270	-7.1	123	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	118	0.00
73 T	Isopropylbenzene	3.862	3.604	6.7	120	0.00
74 T	N-amyl acetate	1.613	1.323	18.0	103	0.00
75 P	1,1,2,2-Tetrachloroethane	1.186	0.984	17.0	110	0.00
76 T	1,2,3-Trichloropropane	1.131	1.182	-4.5	134	0.00
77 T	Bromobenzene	0.971	0.906	6.7	123	0.00
78 T	n-propylbenzene	4.432	4.180	5.7	118	0.00
79 T	2-Chlorotoluene	2.882	2.622	9.0	116	0.00
80 T	1,3,5-Trimethylbenzene	3.094	3.000	3.0	121	0.00
81 T	trans-1,4-Dichloro-2-butene	0.448	0.447	0.2	117	0.00
82 T	4-Chlorotoluene	2.855	2.676	6.3	119	0.00
83 T	tert-Butylbenzene	2.698	2.550	5.5	120	0.00
84 T	1,2,4-Trimethylbenzene	3.081	3.037	1.4	120	0.00
85 T	sec-Butylbenzene	3.618	3.557	1.7	122	0.00
86 T	p-Isopropyltoluene	2.965	3.069	-3.5	125	0.00
87 T	1,3-Dichlorobenzene	1.682	1.672	0.6	123	0.00
88 T	1,4-Dichlorobenzene	1.667	1.655	0.7	123	0.00
89 T	n-Butylbenzene	2.458	2.589	-5.3	125	0.00
90 T	Hexachloroethane	0.492	0.495	-0.6	123	0.00
91 T	1,2-Dichlorobenzene	1.600	1.579	1.3	120	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.197	0.180	8.6	106	0.00
93 T	1,2,4-Trichlorobenzene	0.675	0.749	-11.0	129	0.00
94 T	Hexachlorobutadiene	0.280	0.307	-9.6	138	0.00
95 T	Naphthalene	2.345	2.468	-5.2	120	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052225\
Data File : VN086750.D
Acq On : 22 May 2025 08:21
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 23 01:29:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 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	0.661	0.705	-6.7	127	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052225\
 Data File : VN086750.D
 Acq On : 22 May 2025 08:21
 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 23 01:29:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 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	134	0.00
2 T	Dichlorodifluoromethane	50.000	48.980	2.0	118	0.00
3 P	Chloromethane	50.000	40.468	19.1	113	0.00
4 C	Vinyl Chloride	50.000	43.572	12.9#	114	0.00
5 T	Bromomethane	50.000	41.058	17.9	115	0.00
6 T	Chloroethane	50.000	41.808	16.4	116	0.00
7 T	Trichlorofluoromethane	50.000	46.735	6.5	125	0.00
8 T	Diethyl Ether	50.000	46.270	7.5	124	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.460	1.1	132	0.00
10 T	Methyl Iodide	50.000	44.931	10.1	121	0.00
11 T	Tert butyl alcohol	250.000	202.124	19.2	112	0.00
12 CM	1,1-Dichloroethene	50.000	46.848	6.3#	128	0.00
13 T	Acrolein	250.000	253.918	-1.6	137	0.00
14 T	Allyl chloride	50.000	41.666	16.7	114	0.00
15 T	Acrylonitrile	250.000	212.585	15.0	114	0.00
16 T	Acetone	250.000	205.792	17.7	117	0.00
17 T	Carbon Disulfide	50.000	44.984	10.0	121	0.00
18 T	Methyl Acetate	50.000	38.021	24.0	111	0.00
19 T	Methyl tert-butyl Ether	50.000	45.612	8.8	121	0.00
20 T	Methylene Chloride	50.000	42.475	15.0	123	0.00
21 T	trans-1,2-Dichloroethene	50.000	46.338	7.3	127	0.00
22 T	Diisopropyl ether	50.000	42.476	15.0	113	0.00
23 T	Vinyl Acetate	250.000	209.360	16.3	110	0.00
24 P	1,1-Dichloroethane	50.000	43.122	13.8	117	0.00
25 T	2-Butanone	250.000	204.626	18.1	109	0.00
26 T	2,2-Dichloropropane	50.000	47.109	5.8	131	0.00
27 T	cis-1,2-Dichloroethene	50.000	45.356	9.3	123	0.00
28 T	Bromochloromethane	50.000	41.544	16.9	111	0.00
29 T	Tetrahydrofuran	250.000	202.982	18.8	107	0.00
30 C	Chloroform	50.000	43.557	12.9#	119	0.00
31 T	Cyclohexane	50.000	40.785	18.4	115	0.00
32 T	1,1,1-Trichloroethane	50.000	44.540	10.9	119	0.00
33 S	1,2-Dichloroethane-d4	50.000	40.577	18.8	108	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	124	0.00
35 S	Dibromofluoromethane	50.000	48.330	3.3	120	0.00
36 T	1,1-Dichloropropene	50.000	48.515	3.0	121	0.00
37 T	Ethyl Acetate	50.000	42.334	15.3	107	0.00
38 T	Carbon Tetrachloride	50.000	49.540	0.9	124	0.00
39 T	Methylcyclohexane	50.000	51.110	-2.2	125	0.00
40 TM	Benzene	50.000	47.415	5.2	120	0.00
41 T	Methacrylonitrile	50.000	43.393	13.2	108	0.00
42 TM	1,2-Dichloroethane	50.000	44.331	11.3	112	0.00
43 T	Isopropyl Acetate	50.000	37.572	24.9	108	0.00
44 TM	Trichloroethene	50.000	52.126	-4.3	130	0.00
45 C	1,2-Dichloropropane	50.000	46.838	6.3#	118	0.00
46 T	Dibromomethane	50.000	47.460	5.1	119	0.00
47 T	Bromodichloromethane	50.000	48.219	3.6	120	0.00
48 T	Methyl methacrylate	50.000	44.012	12.0	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052225\
 Data File : VN086750.D
 Acq On : 22 May 2025 08:21
 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 23 01:29:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 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	941.089	5.9	114	0.00
50 S	Toluene-d8	50.000	48.096	3.8	118	0.00
51 T	4-Methyl-2-Pentanone	250.000	212.844	14.9	105	0.00
52 CM	Toluene	50.000	48.596	2.8#	121	0.00
53 T	t-1,3-Dichloropropene	50.000	50.055	-0.1	121	0.00
54 T	cis-1,3-Dichloropropene	50.000	49.478	1.0	123	0.00
55 T	1,1,2-Trichloroethane	50.000	47.031	5.9	121	0.00
56 T	Ethyl methacrylate	50.000	49.651	0.7	118	0.00
57 T	1,3-Dichloropropane	50.000	47.088	5.8	119	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	250.294	-0.1	115	0.00
59 T	2-Hexanone	250.000	213.518	14.6	104	0.00
60 T	Dibromochloromethane	50.000	50.840	-1.7	126	0.00
61 T	1,2-Dibromoethane	50.000	47.986	4.0	119	0.00
62 S	4-Bromofluorobenzene	50.000	48.566	2.9	117	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	119	0.00
64 T	Tetrachloroethene	50.000	54.764	-9.5	136	0.00
65 PM	Chlorobenzene	50.000	49.845	0.3	123	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	50.782	-1.6	123	0.00
67 C	Ethyl Benzene	50.000	49.578	0.8#	119	0.00
68 T	m/p-Xylenes	100.000	103.375	-3.4	122	0.00
69 T	o-Xylene	50.000	50.553	-1.1	118	0.00
70 T	Styrene	50.000	51.964	-3.9	120	0.00
71 P	Bromoform	50.000	53.558	-7.1	123	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	118	0.00
73 T	Isopropylbenzene	50.000	46.666	6.7	120	0.00
74 T	N-amyl acetate	50.000	40.985	18.0	103	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	41.463	17.1	110	0.00
76 T	1,2,3-Trichloropropane	50.000	52.254	-4.5	134	0.00
77 T	Bromobenzene	50.000	46.632	6.7	123	0.00
78 T	n-propylbenzene	50.000	47.163	5.7	118	0.00
79 T	2-Chlorotoluene	50.000	45.504	9.0	116	0.00
80 T	1,3,5-Trimethylbenzene	50.000	48.488	3.0	121	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.849	0.3	117	0.00
82 T	4-Chlorotoluene	50.000	46.872	6.3	119	0.00
83 T	tert-Butylbenzene	50.000	47.263	5.5	120	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.283	1.4	120	0.00
85 T	sec-Butylbenzene	50.000	49.152	1.7	122	0.00
86 T	p-Isopropyltoluene	50.000	51.747	-3.5	125	0.00
87 T	1,3-Dichlorobenzene	50.000	49.694	0.6	123	0.00
88 T	1,4-Dichlorobenzene	50.000	49.665	0.7	123	0.00
89 T	n-Butylbenzene	50.000	52.666	-5.3	125	0.00
90 T	Hexachloroethane	50.000	50.283	-0.6	123	0.00
91 T	1,2-Dichlorobenzene	50.000	49.355	1.3	120	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	45.845	8.3	106	0.00
93 T	1,2,4-Trichlorobenzene	50.000	55.466	-10.9	129	0.00
94 T	Hexachlorobutadiene	50.000	54.714	-9.4	138	0.00
95 T	Naphthalene	50.000	52.617	-5.2	120	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052225\
Data File : VN086750.D
Acq On : 22 May 2025 08:21
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 23 01:29:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 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	53.267	-6.5	127	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



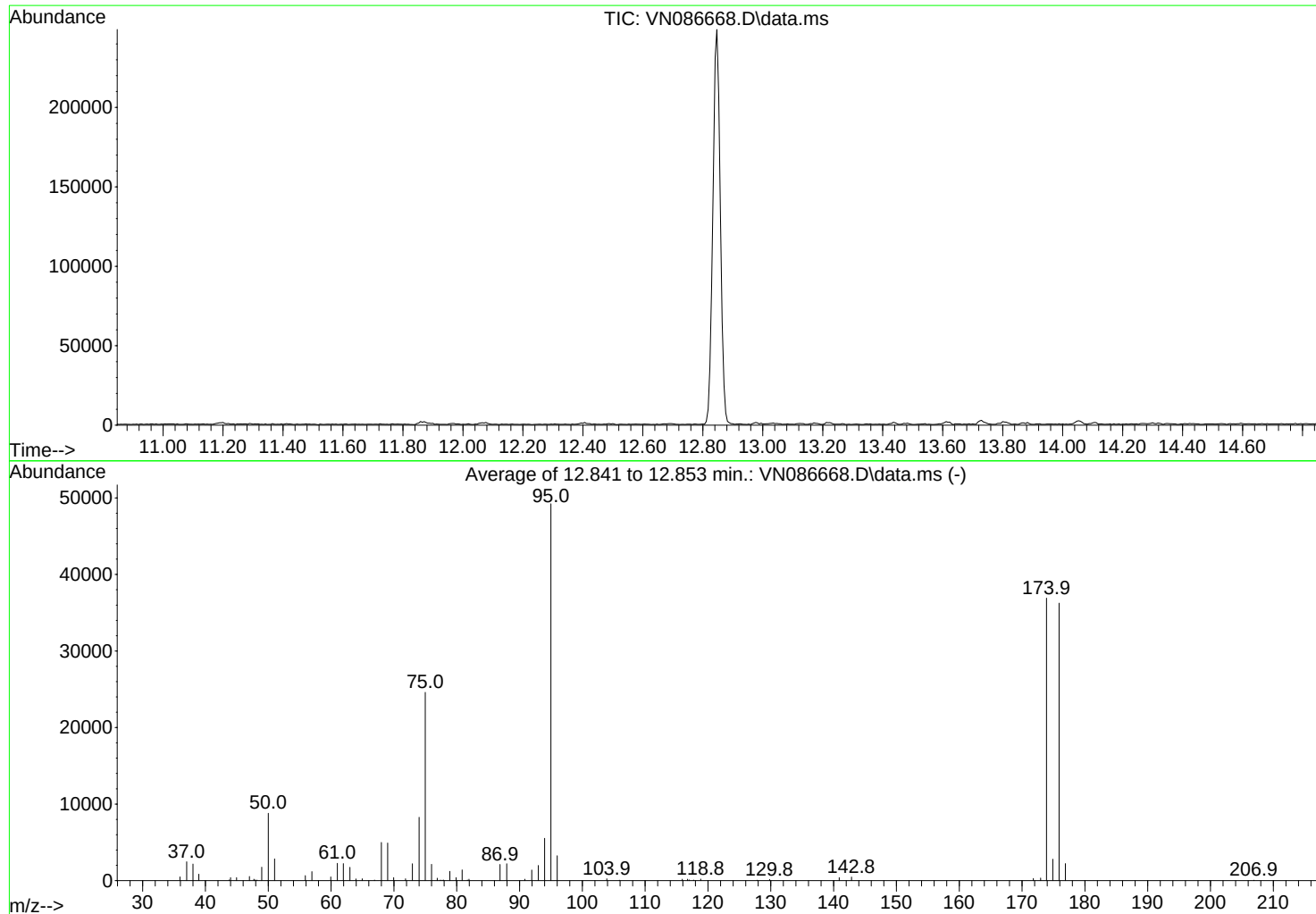
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086668.D
Acq On : 16 May 2025 15:33
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Title : SW846 8260
Last Update : Sat May 17 00:46:13 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	17.9	8802	PASS
75	95	30	60	50.0	24603	PASS
95	95	100	100	100.0	49237	PASS
96	95	5	9	6.6	3255	PASS
173	174	0.00	2	0.9	345	PASS
174	95	50	100	74.9	36899	PASS
175	174	5	9	7.6	2805	PASS
176	174	95	101	98.2	36248	PASS
177	176	5	9	6.1	2226	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	491	48.95	1758	66.90	77	77.70	61
37.00	2471	50.00	8802	68.00	4985	77.90	81
38.00	2170	51.00	2842	69.00	4914	78.90	122
38.95	848	55.90	650	69.95	392	79.90	39
43.80	90	56.95	1184	71.85	240	80.85	1395
44.00	384	59.95	482	72.95	2211	81.70	66
44.95	402	61.00	2266	74.00	8274	81.95	184
47.00	538	61.95	2229	75.00	24603	86.90	2121
47.70	193	63.00	1738	76.00	2136	87.95	2202
47.90	98	63.95	231	76.90	315	90.85	195
48.20	75	64.95	248	77.40	73	91.95	1382

Average of 12.841 to 12.853 min.: VN086668.D\data.ms

BFB

Modified:subtracted

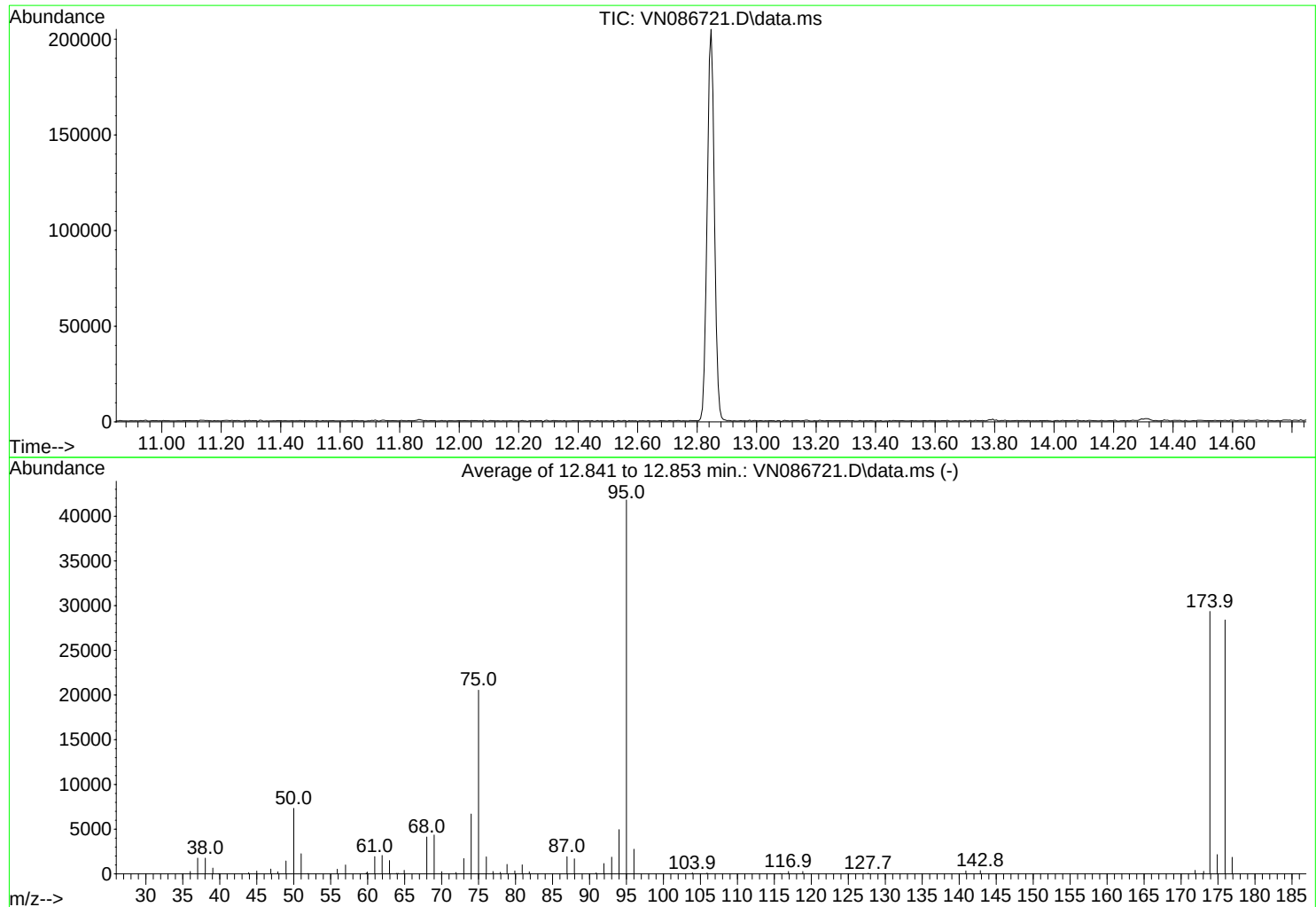
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.00	1974	127.80	58				
94.00	5539	129.80	148				
95.00	49237	140.90	397				
96.00	3255	142.85	470				
103.90	249	171.80	278				
105.90	60	172.95	345				
115.90	181	173.90	36899				
116.75	181	174.90	2805				
117.00	86	175.90	36248				
117.70	68	176.90	2226				
118.85	214	206.90	58				

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
Data File : VN086721.D
Acq On : 21 May 2025 10:37
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\82N051625W.M
Title : SW846 8260
Last Update : Sat May 17 00:46:13 2025



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	17.5	7326	PASS
75	95	30	60	49.1	20544	PASS
95	95	100	100	100.0	41819	PASS
96	95	5	9	6.6	2764	PASS
173	174	0.00	2	1.0	289	PASS
174	95	50	100	70.2	29341	PASS
175	174	5	9	7.3	2156	PASS
176	174	95	101	96.8	28400	PASS
177	176	5	9	6.5	1855	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	269	51.00	2252	64.95	401	78.85	106
37.00	1757	51.90	53	68.00	4123	79.90	33
38.05	1766	55.90	529	69.00	4347	80.90	101
39.05	654	57.00	992	70.00	253	81.85	24
39.85	7	59.80	111	71.95	159	86.95	1926
43.90	139	59.95	215	73.00	1716	87.95	1680
45.00	321	60.95	1937	74.00	6692	90.90	130
46.90	536	61.95	2069	75.00	20544	91.95	1152
47.85	234	62.95	1488	76.05	1912	93.00	1875
48.95	1444	63.90	59	76.95	268	94.00	4952
50.00	7326	64.10	77	77.95	169	95.00	41819

Average of 12.841 to 12.853 min.: VN086721.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.00	2764	172.80	57				
103.90	122	173.05	289				
105.90	115	173.90	29341				
115.80	52	174.90	2156				
116.90	268	175.95	28400				
118.85	264	176.90	1855				
127.70	78						
129.80	54						
140.90	330						
142.85	362						
171.90	394						

Instrument :

MSVOA_N

ClientSampleId :

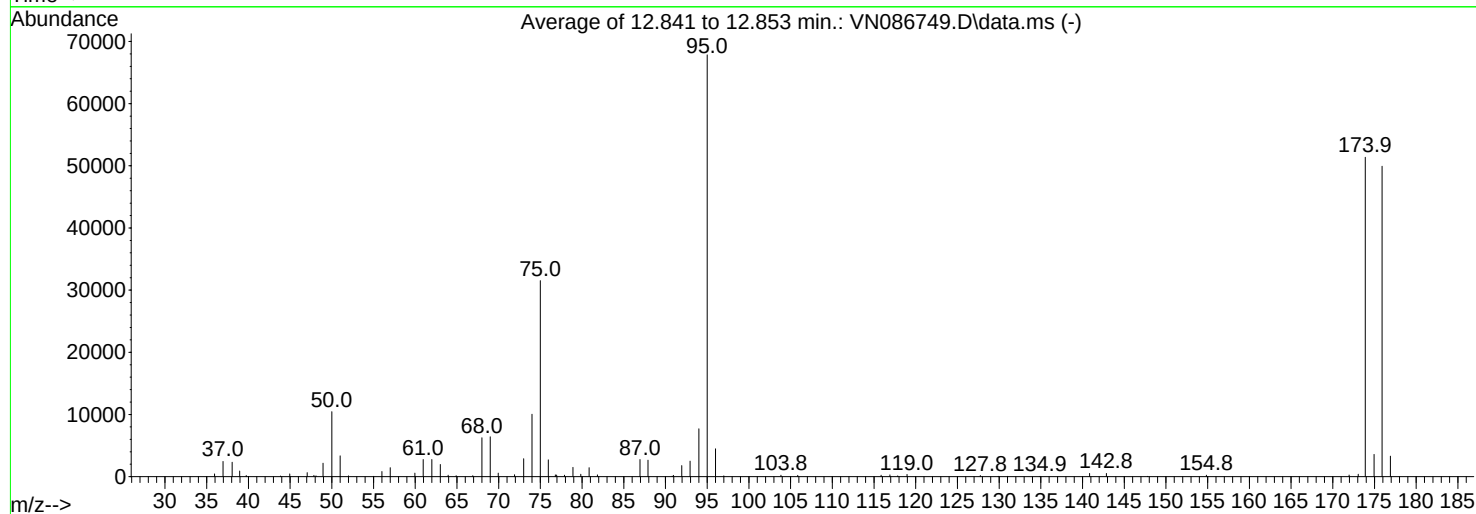
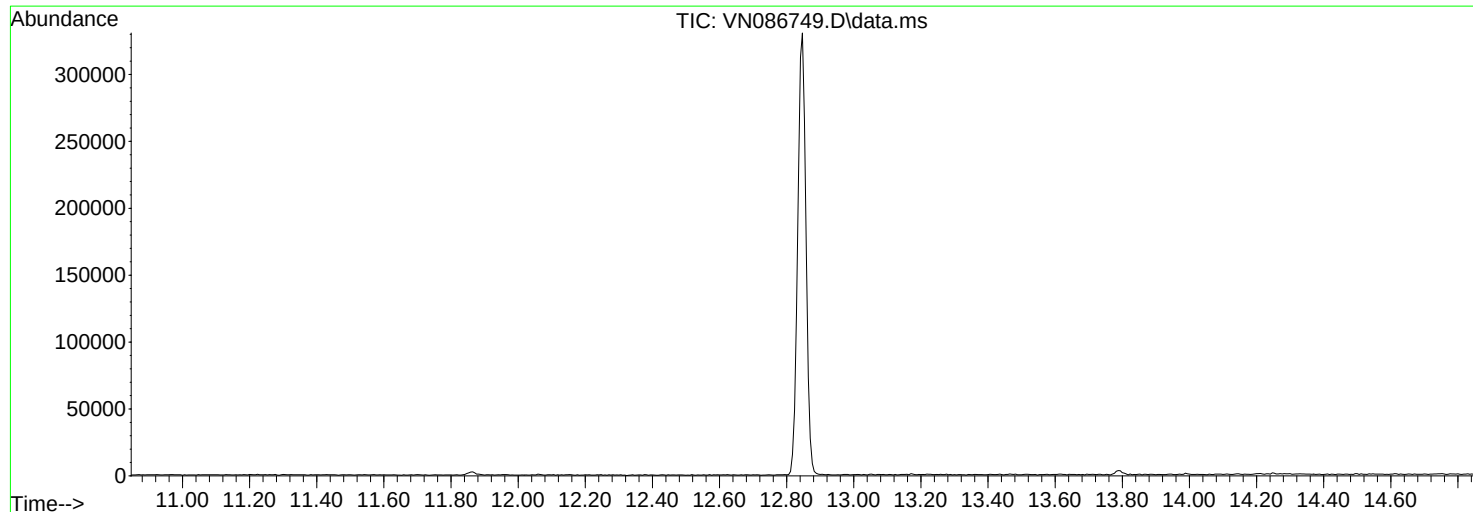
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052225\
Data File : VN086749.D
Acq On : 22 May 2025 07:48
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Title : SW846 8260
Last Update : Sat May 17 00:46:13 2025



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1842

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	15.4	10453	PASS
75	95	30	60	46.5	31528	PASS
95	95	100	100	100.0	67853	PASS
96	95	5	9	6.6	4490	PASS
173	174	0.00	2	0.8	391	PASS
174	95	50	100	75.7	51379	PASS
175	174	5	9	6.9	3569	PASS
176	174	95	101	97.2	49947	PASS
177	176	5	9	6.6	3307	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	443	50.00	10453	64.90	145	76.95	25
36.95	2455	51.00	3340	66.90	164	77.90	24
38.05	2322	52.00	141	68.00	6266	78.90	150
38.95	903	55.00	56	69.00	6402	79.85	39
39.75	192	56.00	839	69.95	561	80.85	1447
43.85	108	57.00	1439	71.90	309	81.85	277
44.95	445	59.95	571	73.00	2876	86.95	2762
47.05	652	60.95	2758	74.00	10028	87.90	2650
47.85	217	62.00	2753	75.00	31528	90.80	82
48.10	122	63.00	1958	75.95	2709	90.95	206
48.95	2168	63.95	237	76.80	279	91.95	1772

Average of 12.841 to 12.853 min.: VN086749.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.95	2488	127.75	183	174.95	3569		
94.00	7692	129.90	53	175.90	49947		
95.00	67853	131.00	55	176.90	3307		
96.00	4490	134.90	59				
97.00	130	140.85	508				
103.85	237	142.85	524				
105.85	213	147.80	55				
115.85	232	154.85	224				
116.90	285	171.95	260				
117.85	131	173.05	391				
118.95	359	173.90	51379				

Report of Analysis

Client:	ENTACT			Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309			Date Received:	
Client Sample ID:	VN0521WBL01			SDG No.:	Q2079
Lab Sample ID:	VN0521WBL01			Matrix:	TCLP
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	TCLP VOA
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086724.D	1		05/21/25 12:08	VN052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.00026	U	0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.00023	U	0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.00098	U	0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.00025	U	0.00025	0.0050	mg/L
67-66-3	Chloroform	0.00025	U	0.00025	0.0050	mg/L
71-43-2	Benzene	0.00015	U	0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.00022	U	0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.000090	U	0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.00023	U	0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.00012	U	0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.0		70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	53.5		70 (75) - 130 (124)	107%	SPK: 50
2037-26-5	Toluene-d8	52.6		70 (86) - 130 (113)	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		70 (77) - 130 (121)	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	174000	8.224			
540-36-3	1,4-Difluorobenzene	341000	9.1			
3114-55-4	Chlorobenzene-d5	335000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	149000	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\VN052125\
 Data File : VN086724.D
 Acq On : 21 May 2025 12:08
 Operator : JC\MD
 Sample : VN0521WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521WBL01

Quant Time: May 22 01:20:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	174294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	341228	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	334894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	149145	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127718	53.030	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.060%
35) Dibromofluoromethane	8.159	113	108765	53.522	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.040%
50) Toluene-d8	10.565	98	443056	52.611	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.220%
62) 4-Bromofluorobenzene	12.847	95	161051	54.161	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	108.320%

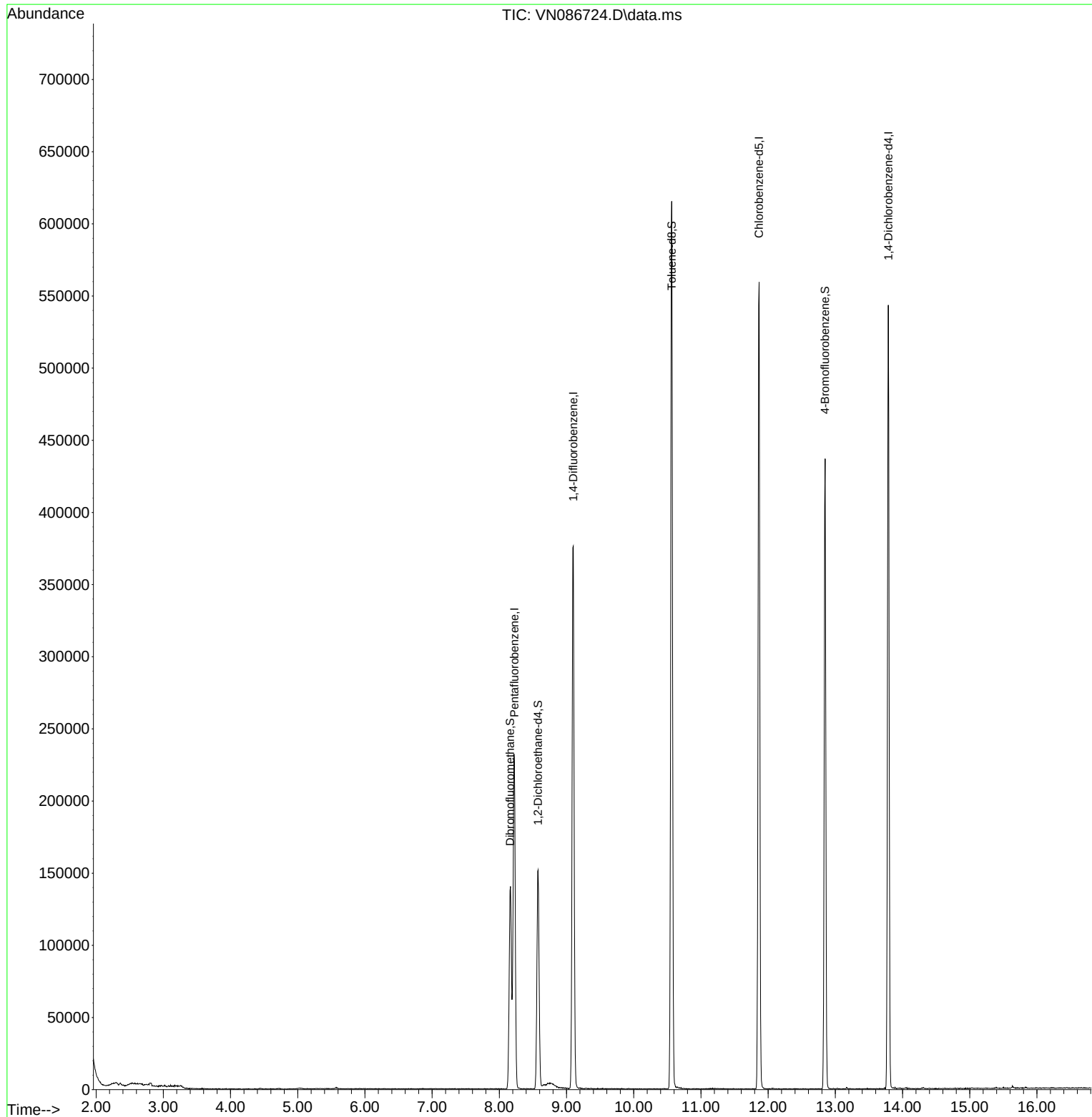
Target Compounds	Qvalue

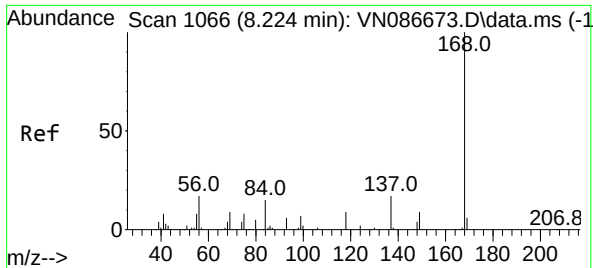
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
Data File : VN086724.D
Acq On : 21 May 2025 12:08
Operator : JC\MD
Sample : VN0521WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBL01

Quant Time: May 22 01:20:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

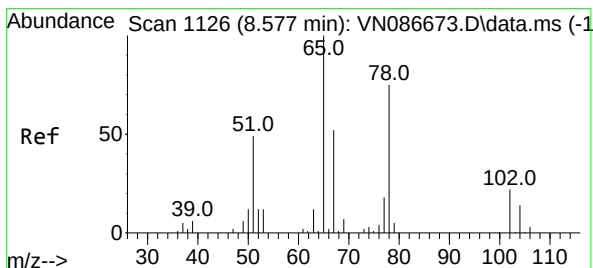
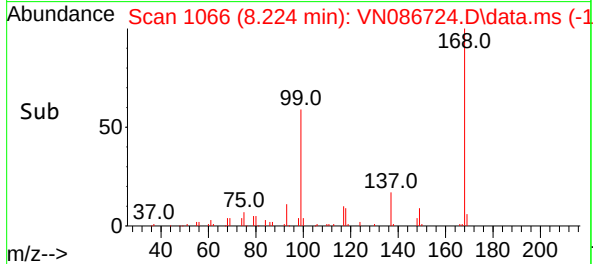
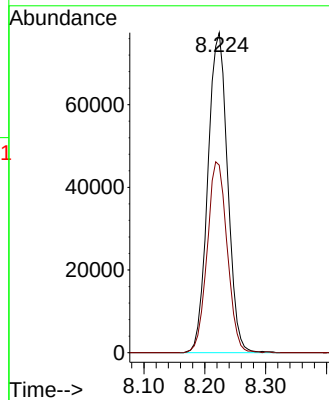
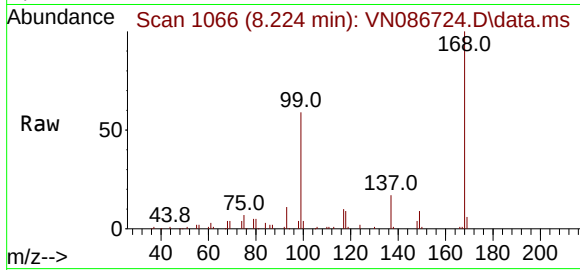




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

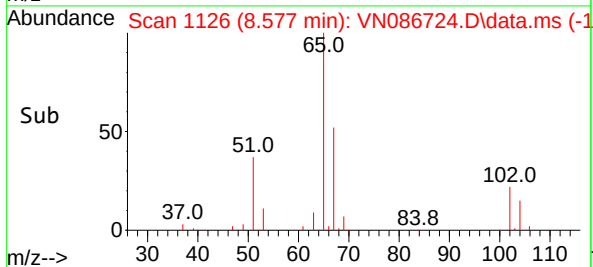
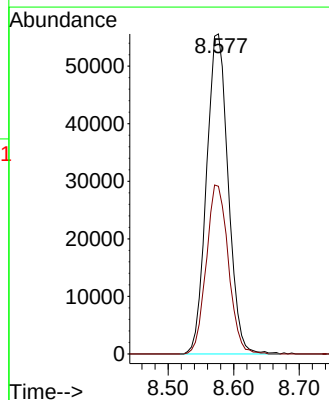
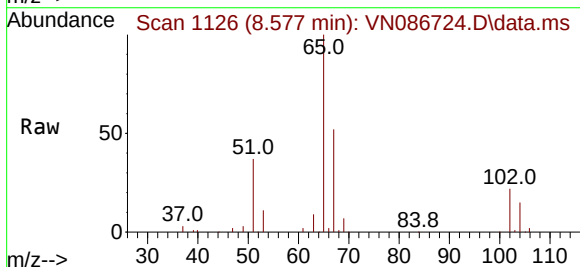
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBL01

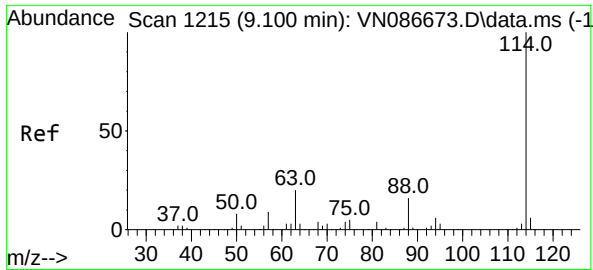
Tgt Ion:168 Resp: 174294
Ion Ratio Lower Upper
168 100
99 58.6 47.0 70.4



#33
1,2-Dichloroethane-d4
Concen: 53.030 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

Tgt Ion: 65 Resp: 127718
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN086724.D

Acq: 21 May 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBL01

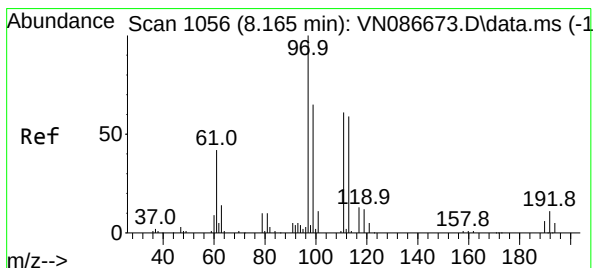
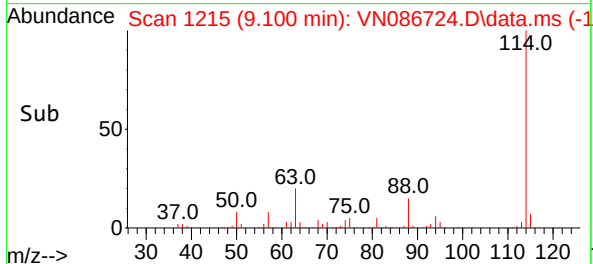
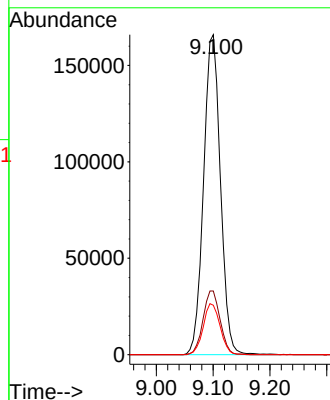
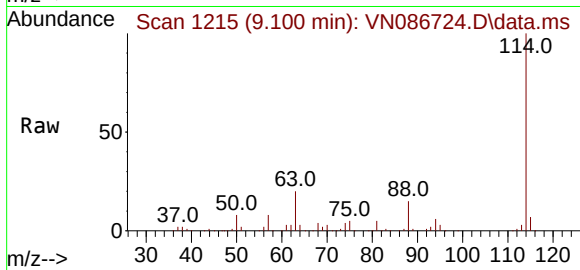
Tgt Ion:114 Resp: 341228

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.2

88 15.4 0.0 31.2



#35

Dibromofluoromethane

Concen: 53.522 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086724.D

Acq: 21 May 2025 12:08

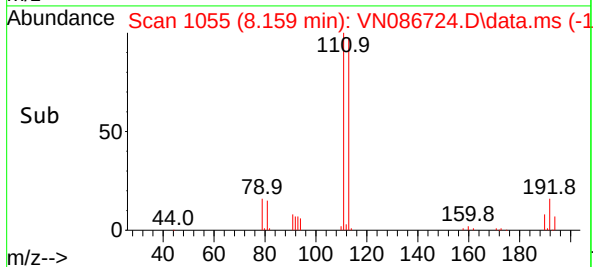
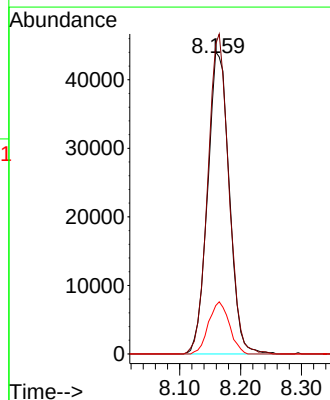
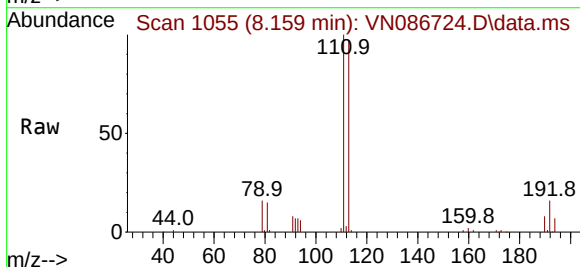
Tgt Ion:113 Resp: 108765

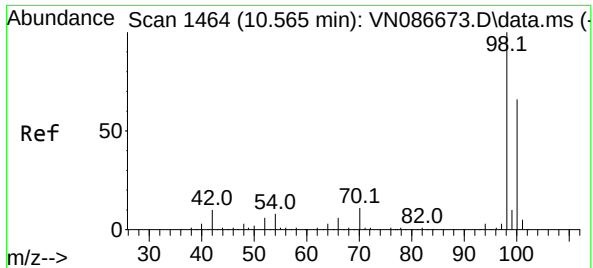
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

192 16.6 13.8 20.8

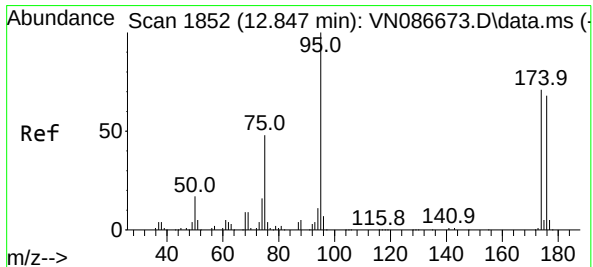
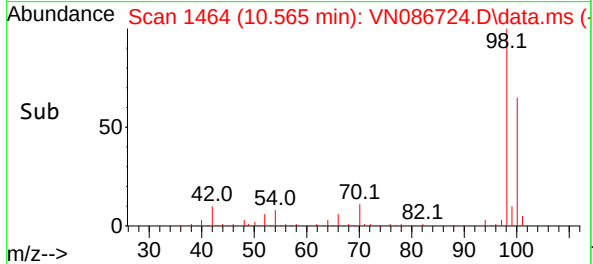
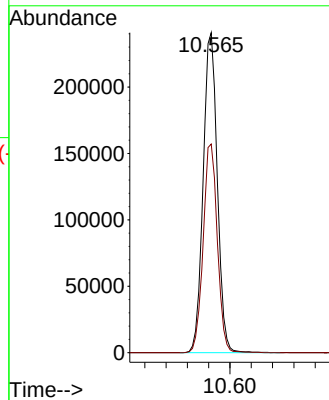
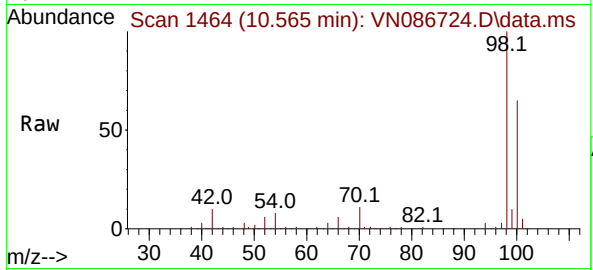




#50
Toluene-d8
Concen: 52.611 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

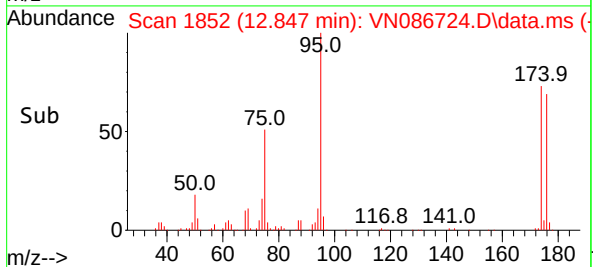
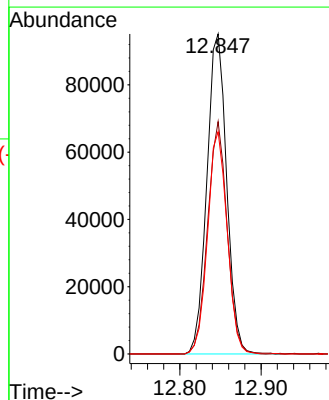
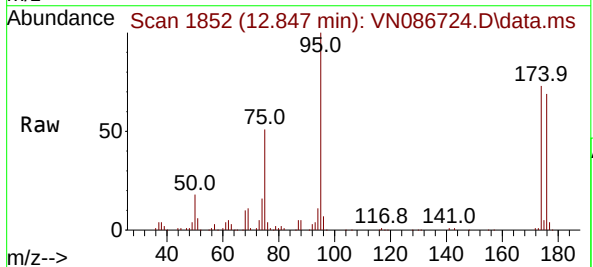
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBL01

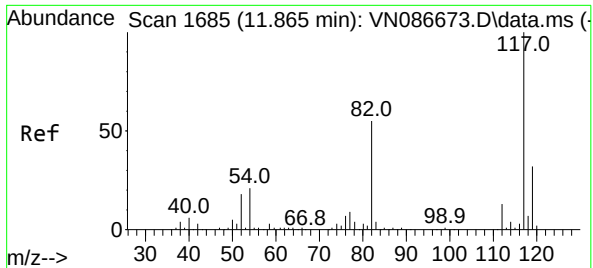
Tgt Ion: 98 Resp: 443056
Ion Ratio Lower Upper
98 100
100 65.4 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 54.161 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

Tgt Ion: 95 Resp: 161051
Ion Ratio Lower Upper
95 100
174 71.6 0.0 145.4
176 68.5 0.0 137.8

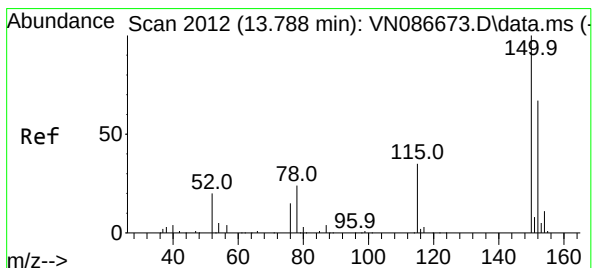
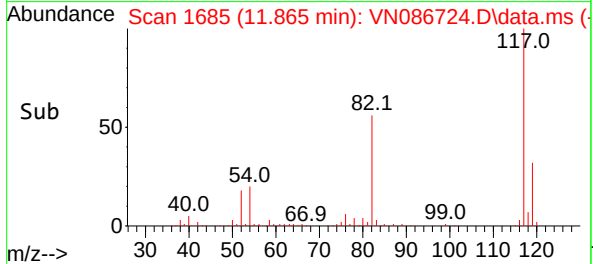
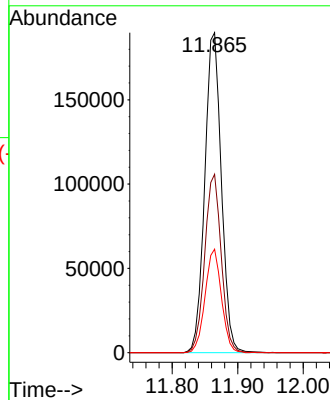
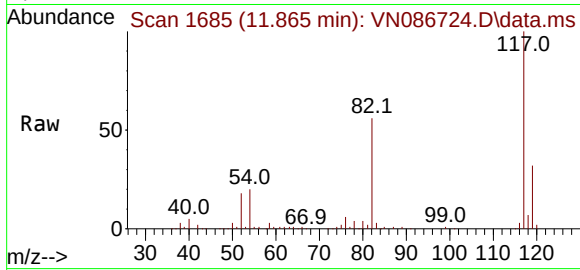




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

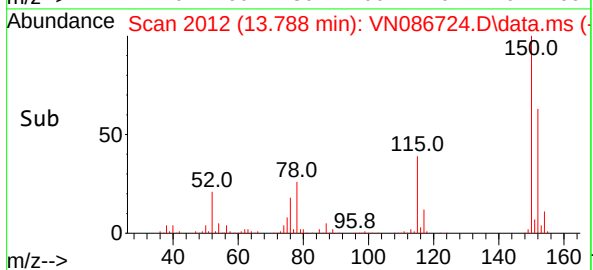
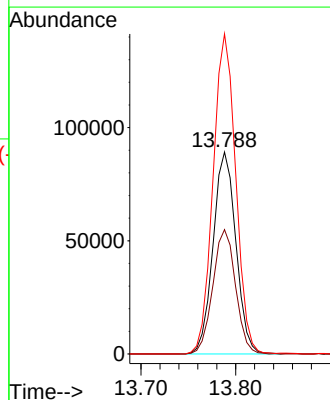
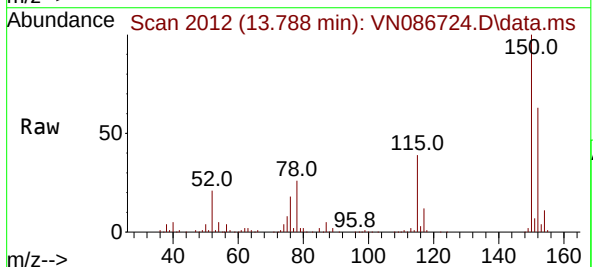
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBL01

Tgt Ion:117 Resp: 334894
Ion Ratio Lower Upper
117 100
82 55.7 44.2 66.2
119 32.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

Tgt Ion:152 Resp: 149145
Ion Ratio Lower Upper
152 100
115 61.4 30.0 90.1
150 157.3 0.0 347.8



Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN0522WBL01	SDG No.:	Q2079
Lab Sample ID:	VN0522WBL01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086752.D	1		05/22/25 09:19	VN052225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.00026	U	0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.00023	U	0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.00098	U	0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.00025	U	0.00025	0.0050	mg/L
67-66-3	Chloroform	0.00025	U	0.00025	0.0050	mg/L
71-43-2	Benzene	0.00015	U	0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.00022	U	0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.000090	U	0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.00023	U	0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.00012	U	0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.2		70 (74) - 130 (125)	88%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	51.1		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		70 (77) - 130 (121)	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	247000	8.218			
540-36-3	1,4-Difluorobenzene	455000	9.1			
3114-55-4	Chlorobenzene-d5	436000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	192000	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\VN052225\
 Data File : VN086752.D
 Acq On : 22 May 2025 09:19
 Operator : JC\MD
 Sample : VN0522WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBL01

Quant Time: May 23 01:30:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	246936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	454612	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	435552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	191535	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	150789	44.191	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.380%
35) Dibromofluoromethane	8.165	113	136253	50.326	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.660%
50) Toluene-d8	10.565	98	573321	51.100	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.200%
62) 4-Bromofluorobenzene	12.847	95	207755	52.442	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.880%

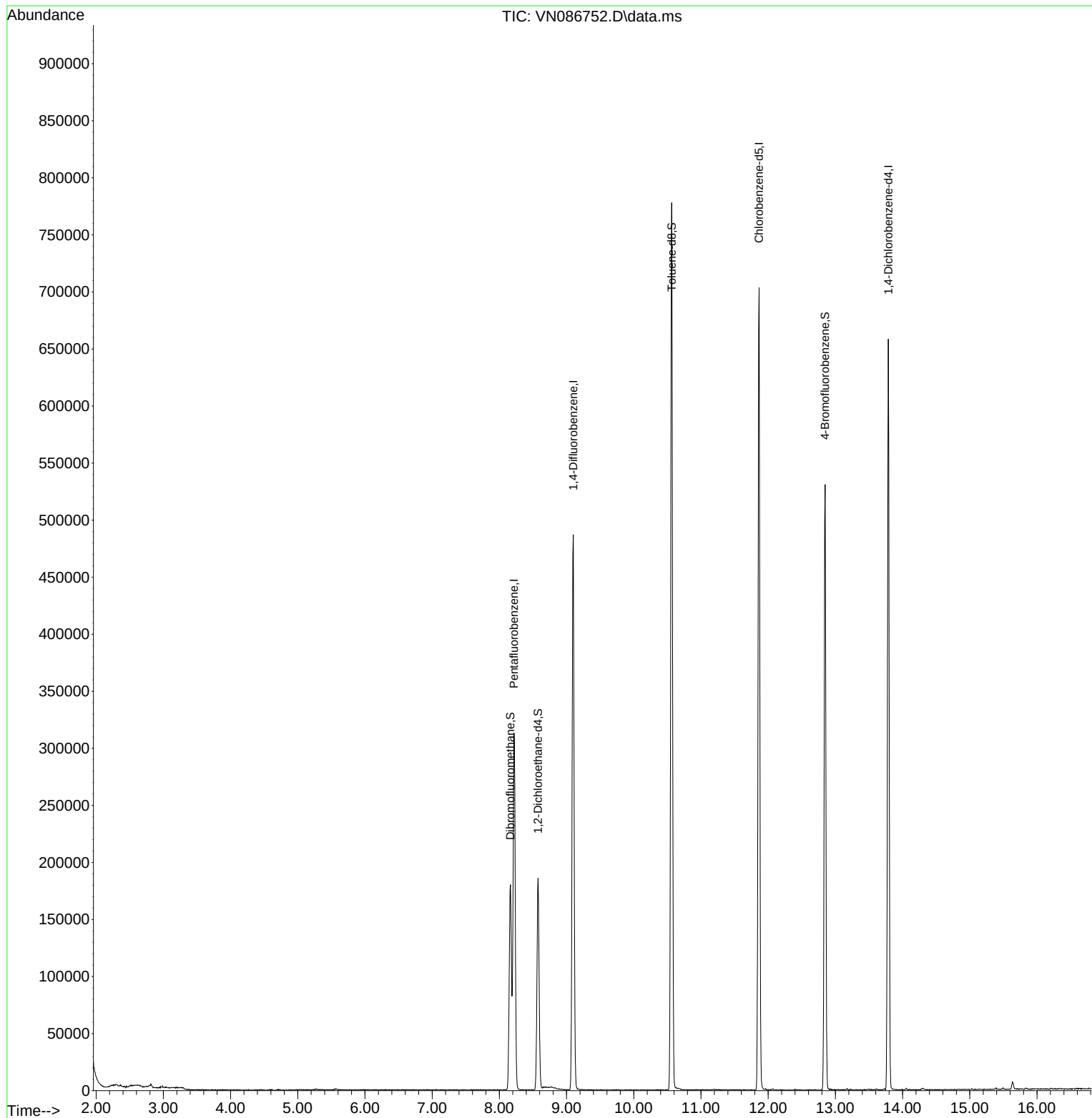
Target Compounds	Qvalue

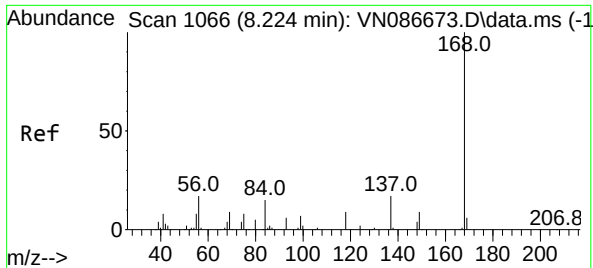
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052225\
Data File : VN086752.D
Acq On : 22 May 2025 09:19
Operator : JC\MD
Sample : VN0522WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBL01

Quant Time: May 23 01:30:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

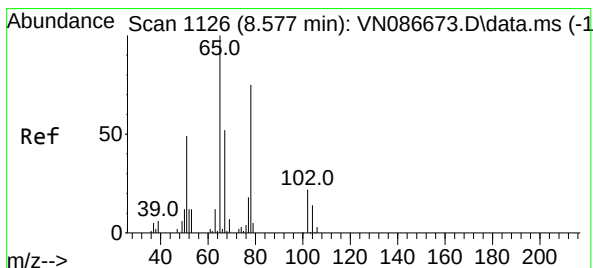
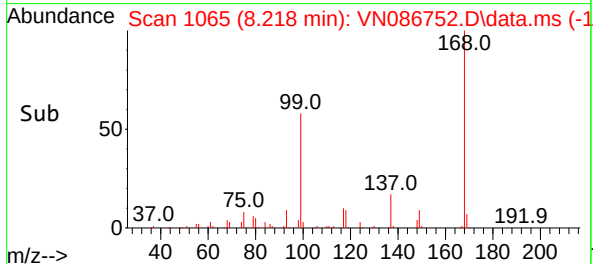
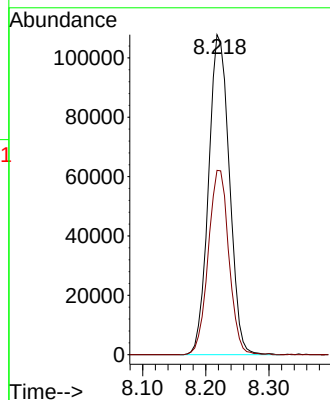
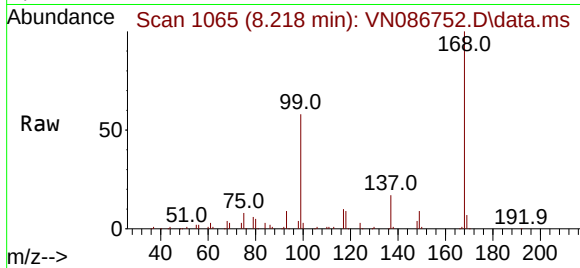




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN086752.D
Acq: 22 May 2025 09:19

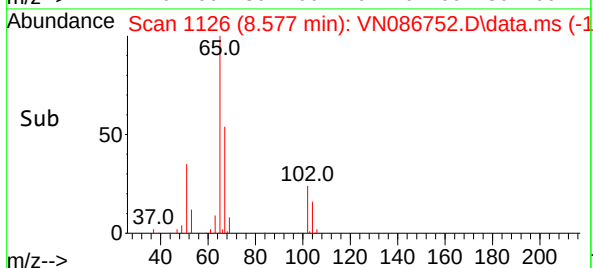
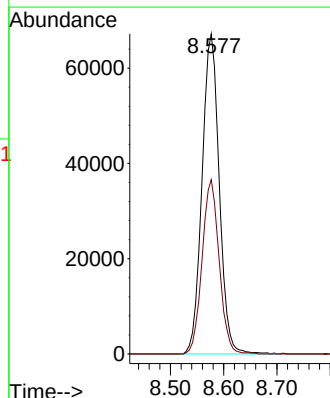
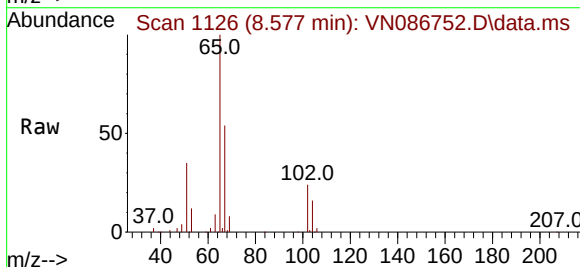
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBL01

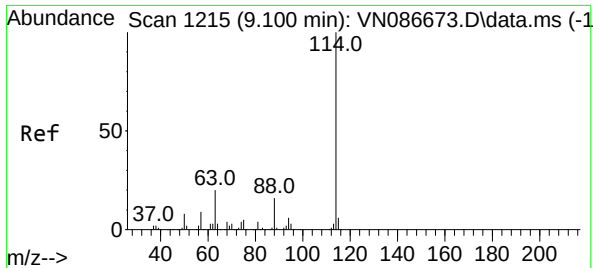
Tgt Ion:168 Resp: 246936
Ion Ratio Lower Upper
168 100
99 57.6 47.0 70.4



#33
1,2-Dichloroethane-d4
Concen: 44.191 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086752.D
Acq: 22 May 2025 09:19

Tgt Ion: 65 Resp: 150789
Ion Ratio Lower Upper
65 100
67 53.9 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086752.D

Acq: 22 May 2025 09:19

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBL01

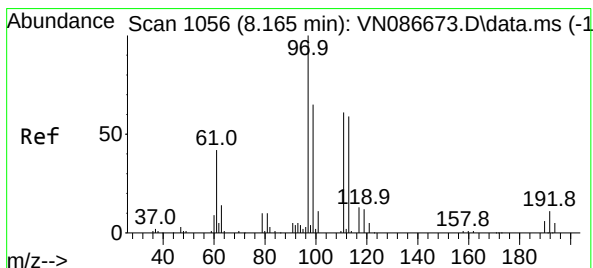
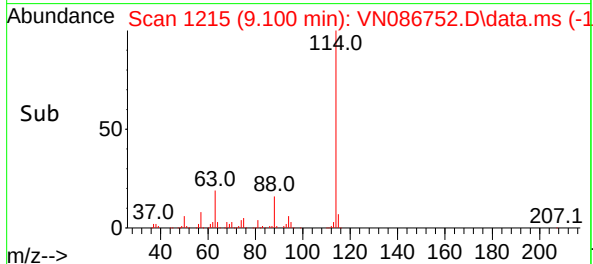
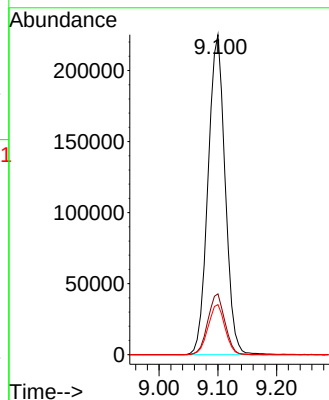
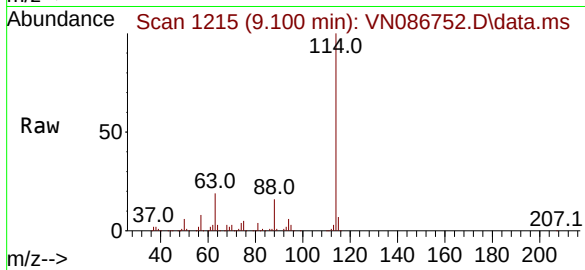
Tgt Ion:114 Resp: 454612

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.2

88 15.6 0.0 31.2



#35

Dibromofluoromethane

Concen: 50.326 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086752.D

Acq: 22 May 2025 09:19

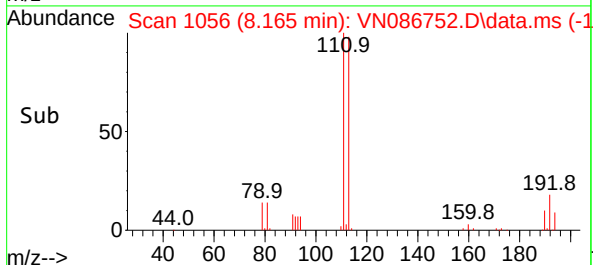
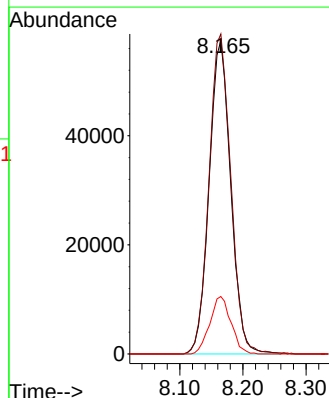
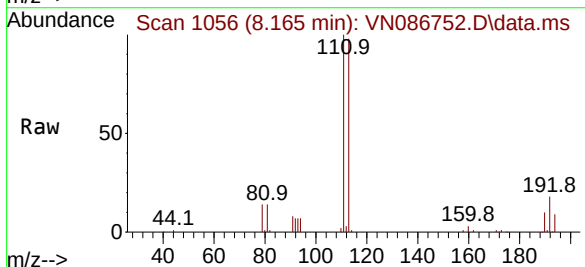
Tgt Ion:113 Resp: 136253

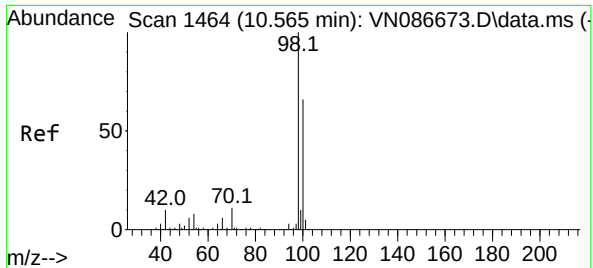
Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.2

192 18.0 13.8 20.8





#50

Toluene-d8

Concen: 51.100 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086752.D

Acq: 22 May 2025 09:19

Instrument :

MSVOA_N

ClientSampleId :

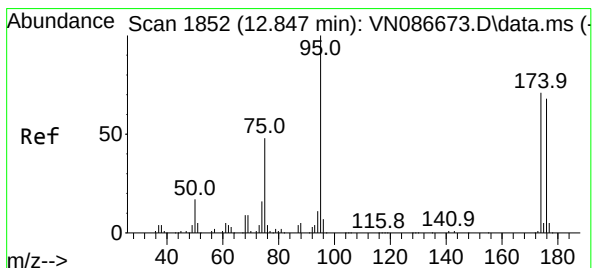
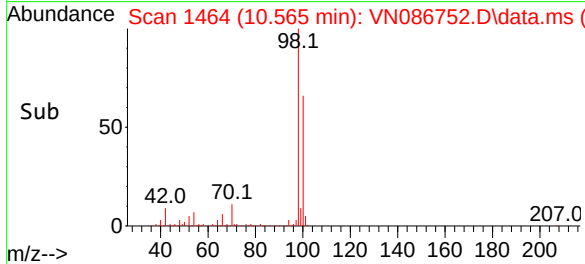
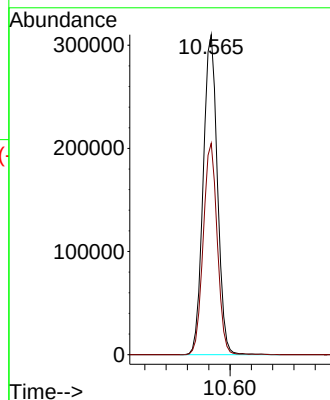
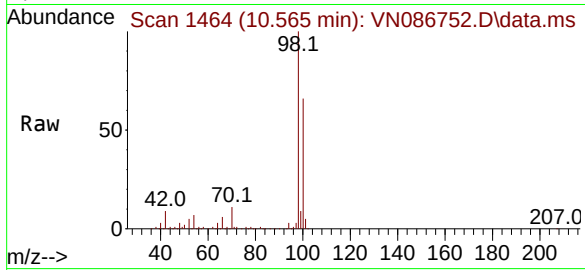
VN0522WBL01

Tgt Ion: 98 Resp: 573321

Ion Ratio Lower Upper

98 100

100 65.2 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 52.442 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN086752.D

Acq: 22 May 2025 09:19

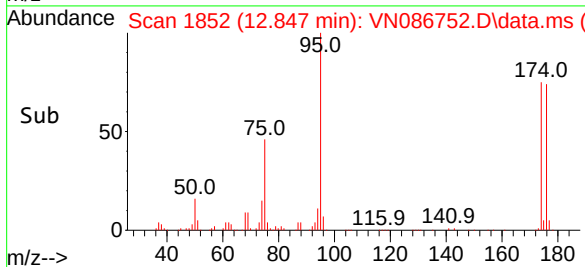
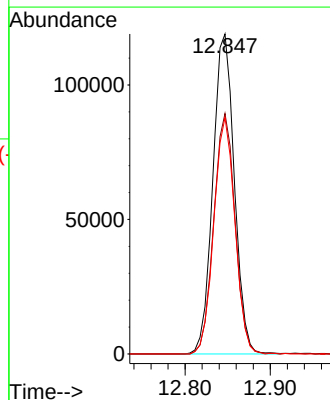
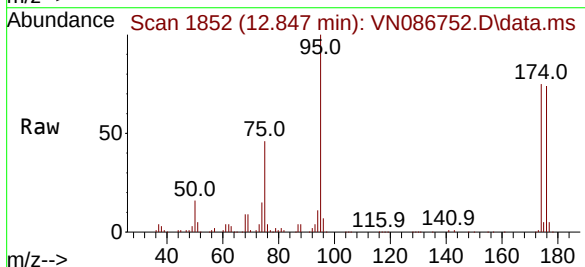
Tgt Ion: 95 Resp: 207755

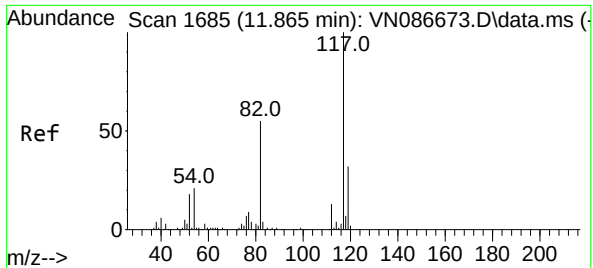
Ion Ratio Lower Upper

95 100

174 74.7 0.0 145.4

176 72.6 0.0 137.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086752.D

Acq: 22 May 2025 09:19

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBL01

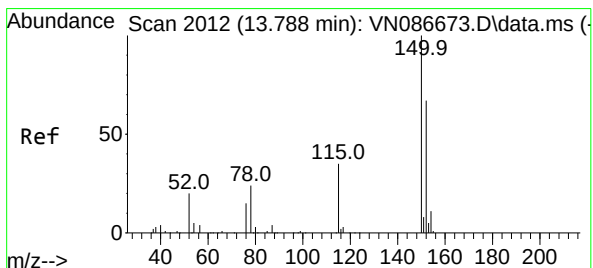
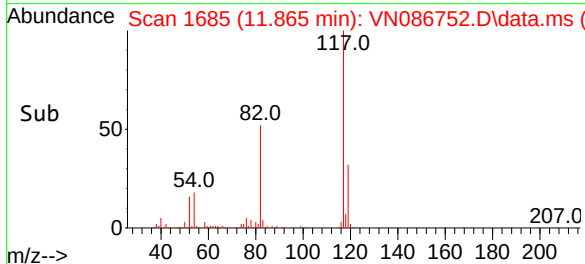
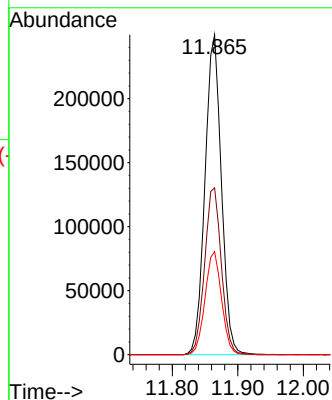
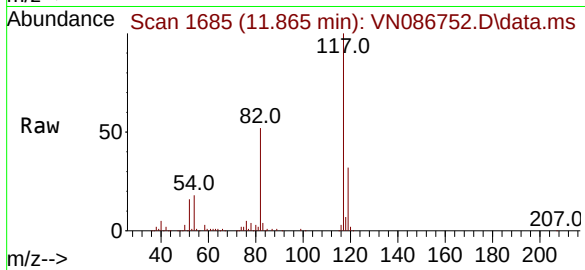
Tgt Ion:117 Resp: 435552

Ion Ratio Lower Upper

117 100

82 52.2 44.2 66.2

119 32.2 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN086752.D

Acq: 22 May 2025 09:19

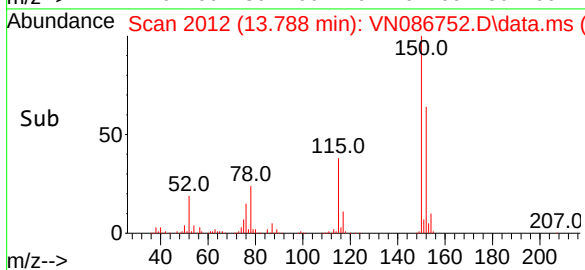
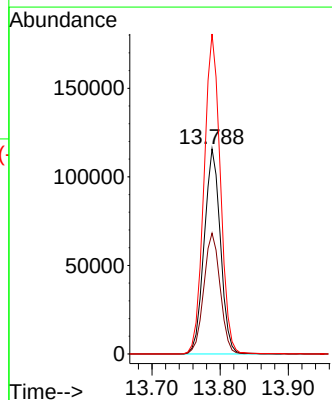
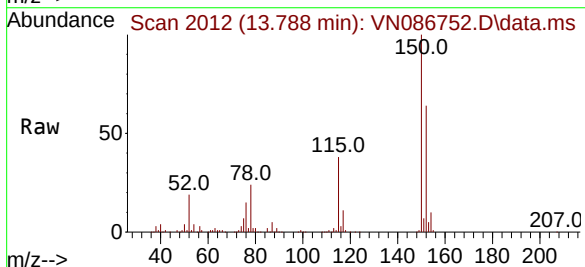
Tgt Ion:152 Resp: 191535

Ion Ratio Lower Upper

152 100

115 59.5 30.0 90.1

150 157.1 0.0 347.8



Report of Analysis

Client:	ENTACT			Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309			Date Received:	
Client Sample ID:	VN0521WBS01			SDG No.:	Q2079
Lab Sample ID:	VN0521WBS01			Matrix:	TCLP
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	TCLP VOA
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086726.D	1		05/21/25 13:05	VN052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.021		0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.020		0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.11		0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.021		0.00025	0.0050	mg/L
67-66-3	Chloroform	0.021		0.00025	0.0050	mg/L
71-43-2	Benzene	0.021		0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.021		0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.021		0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.021		0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.020		0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.9		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	53.2		70 (75) - 130 (124)	106%	SPK: 50
2037-26-5	Toluene-d8	53.1		70 (86) - 130 (113)	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.8		70 (77) - 130 (121)	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	168000	8.218			
540-36-3	1,4-Difluorobenzene	308000	9.1			
3114-55-4	Chlorobenzene-d5	282000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	128000	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\VN052125\
 Data File : VN086726.D
 Acq On : 21 May 2025 13:05
 Operator : JC\MD
 Sample : VN0521WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/22/2025
 Supervised By : Mahesh Dadoda 05/22/2025

Quant Time: May 22 01:21:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	167977	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	308282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127830	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	125074	53.885	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.760%			
35) Dibromofluoromethane	8.159	113	97598	53.159	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.320%			
50) Toluene-d8	10.565	98	404098	53.113	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.220%			
62) 4-Bromofluorobenzene	12.847	95	144648	53.844	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	42418	23.383	ug/l	95
3) Chloromethane	2.359	50	58695	21.392	ug/l	98
4) Vinyl Chloride	2.518	62	52170	21.172	ug/l	99
5) Bromomethane	2.959	94	28887	20.335	ug/l	98
6) Chloroethane	3.124	64	32966	20.422	ug/l	93
7) Trichlorofluoromethane	3.495	101	60737	20.625	ug/l	94
8) Diethyl Ether	3.953	74	26172	21.514	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	37948	21.525	ug/l	99
10) Methyl Iodide	4.589	142	42280	19.280	ug/l	100
11) Tert butyl alcohol	5.512	59	43568	103.062	ug/l #	86
12) 1,1-Dichloroethene	4.342	96	38181	20.379	ug/l	99
13) Acrolein	4.177	56	43609	96.498	ug/l	100
14) Allyl chloride	5.024	41	58528	20.639	ug/l	99
15) Acrylonitrile	5.718	53	115460	110.310	ug/l	100
16) Acetone	4.424	43	88783	102.254	ug/l	94
17) Carbon Disulfide	4.712	76	106898	20.608	ug/l	99
18) Methyl Acetate	5.018	43	51076	21.018	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	138693	21.740	ug/l	98
20) Methylene Chloride	5.277	84	46878	20.460	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	40944	20.670	ug/l	97
22) Diisopropyl ether	6.665	45	142064	22.205	ug/l	99
23) Vinyl Acetate	6.600	43	514062	106.911	ug/l	99
24) 1,1-Dichloroethane	6.565	63	79734	21.227	ug/l	100
25) 2-Butanone	7.477	43	144861	107.968	ug/l	96
26) 2,2-Dichloropropane	7.483	77	63851	20.598	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	50051	20.585	ug/l	98
28) Bromochloromethane	7.812	49	36951	21.652	ug/l	100
29) Tetrahydrofuran	7.835	42	92420	105.533	ug/l	99
30) Chloroform	7.965	83	79014	21.016	ug/l	98
31) Cyclohexane	8.253	56	71215	20.443	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	65524	20.671	ug/l	99
36) 1,1-Dichloropropene	8.371	75	55914	20.647	ug/l	99
37) Ethyl Acetate	7.559	43	57302	20.947	ug/l	100
38) Carbon Tetrachloride	8.353	117	55235	20.701	ug/l	93
39) Methylcyclohexane	9.594	83	61105	20.848	ug/l	97
40) Benzene	8.600	78	185065	20.948	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
 Data File : VN086726.D
 Acq On : 21 May 2025 13:05
 Operator : JC\MD
 Sample : VN0521WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/22/2025
 Supervised By : Mahesh Dadoda 05/22/2025

Quant Time: May 22 01:21:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	30910	20.927	ug/l	97
42) 1,2-Dichloroethane	8.665	62	58142	21.125	ug/l	100
43) Isopropyl Acetate	8.682	43	106076	19.343	ug/l	99
44) Trichloroethene	9.353	130	44189	20.738	ug/l	99
45) 1,2-Dichloropropane	9.618	63	44792	21.343	ug/l	98
46) Dibromomethane	9.706	93	29562	20.876	ug/l	98
47) Bromodichloromethane	9.882	83	62561	21.442	ug/l	98
48) Methyl methacrylate	9.677	41	46327	21.800	ug/l	96
49) 1,4-Dioxane	9.694	88	18404	409.001	ug/l	95
51) 4-Methyl-2-Pentanone	10.441	43	292838	105.888	ug/l	100
52) Toluene	10.629	92	115430	21.023	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	65925	21.340	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	72722	21.565	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	43628	21.301	ug/l	98
56) Ethyl methacrylate	10.871	69	69861	21.243	ug/l	98
57) 1,3-Dichloropropane	11.159	76	75785	21.478	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	149782	101.909	ug/l	99
59) 2-Hexanone	11.194	43	214432	106.178	ug/l	100
60) Dibromochloromethane	11.359	129	45677	21.279	ug/l	99
61) 1,2-Dibromoethane	11.465	107	43320	21.047	ug/l	99
64) Tetrachloroethene	11.100	164	45217	20.903	ug/l	94
65) Chlorobenzene	11.888	112	124637	20.128	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	40791	20.406	ug/l	98
67) Ethyl Benzene	11.959	91	211990	19.987	ug/l	96
68) m/p-Xylenes	12.070	106	167118	41.600	ug/l	100
69) o-Xylene	12.394	106	81555	20.420	ug/l	97
70) Styrene	12.406	104	134928	20.635	ug/l	100
71) Bromoform	12.576	173	29481	20.737	ug/l #	95
73) Isopropylbenzene	12.694	105	192042	19.452	ug/l	99
74) N-amyl acetate	12.488	43	80271	19.460	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	60763	20.033	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	57940m	20.042	ug/l	
77) Bromobenzene	12.976	156	47560	19.150	ug/l	97
78) n-propylbenzene	13.035	91	231142	20.401	ug/l	100
79) 2-Chlorotoluene	13.123	91	148057	20.098	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	160663	20.312	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	22238	19.412	ug/l	96
82) 4-Chlorotoluene	13.217	91	148857	20.395	ug/l	99
83) tert-Butylbenzene	13.435	119	140117	20.312	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	161931	20.558	ug/l	98
85) sec-Butylbenzene	13.612	105	190108	20.554	ug/l	99
86) p-Isopropyltoluene	13.723	119	157351	20.754	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	88643	20.612	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	87276	20.483	ug/l	99
89) n-Butylbenzene	14.053	91	133683	21.269	ug/l	99
90) Hexachloroethane	14.335	117	25027	19.895	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	84061	20.551	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10391	20.680	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	35545	20.587	ug/l	100
94) Hexachlorobutadiene	15.500	225	14802	20.663	ug/l	97
95) Naphthalene	15.635	128	117251	19.558	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	34692	20.517	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
Data File : VN086726.D
Acq On : 21 May 2025 13:05
Operator : JC\MD
Sample : VN0521WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

Quant Time: May 22 01:21:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

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

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

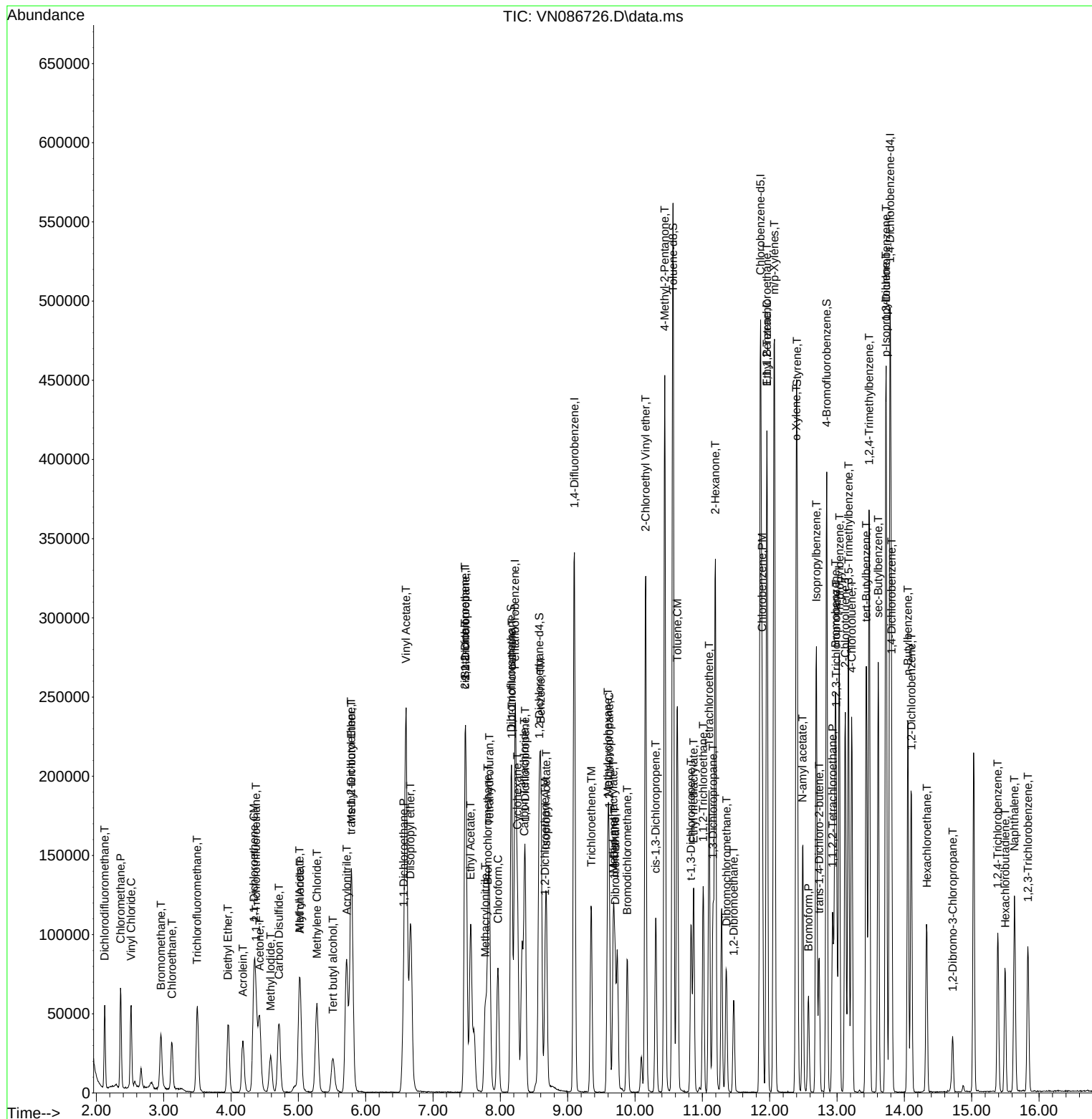
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Data File : VN086726.D
Acq On : 21 May 2025 13:05
Operator : JC\MD
Sample : VN0521WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

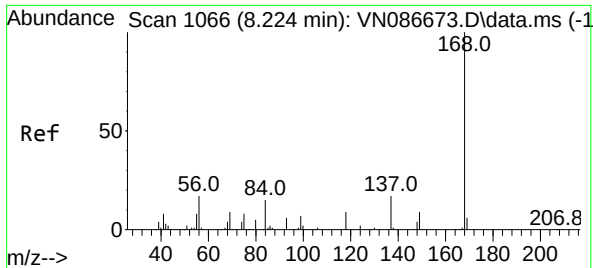
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

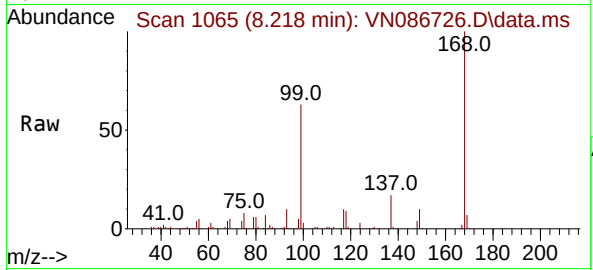
Quant Time: May 22 01:21:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

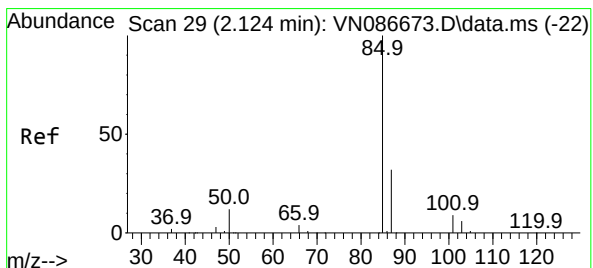
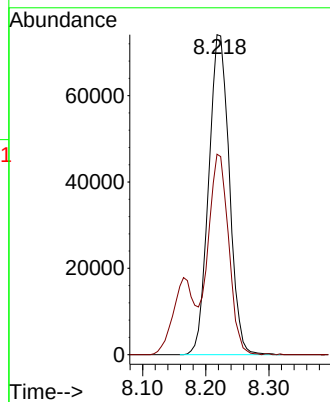
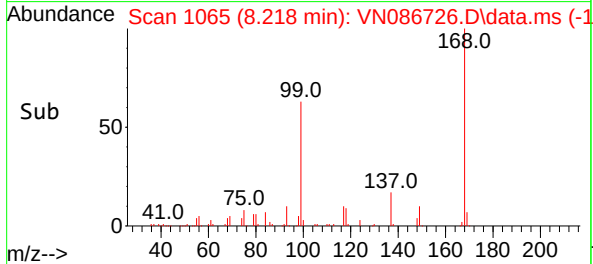
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01



Tgt Ion:168 Resp: 16797
Ion Ratio Lower Upper
168 100
99 62.4 47.0 70.4

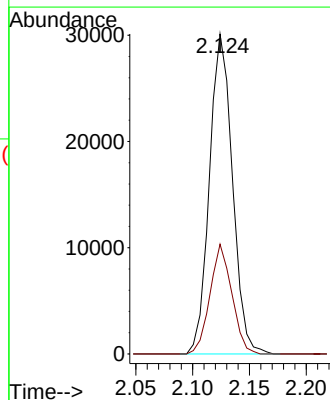
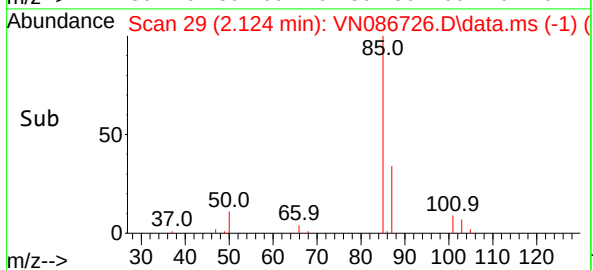
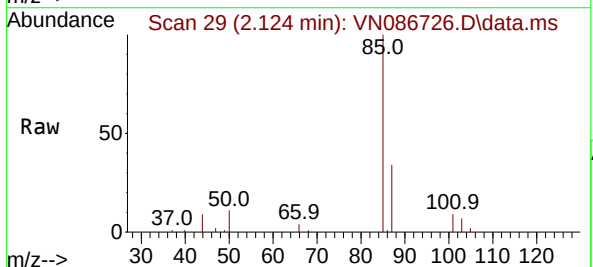
Manual Integrations
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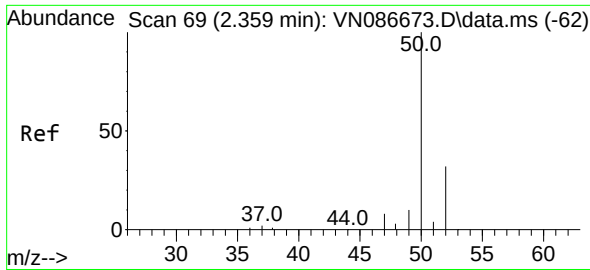
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#2
Dichlorodifluoromethane
Concen: 23.383 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Tgt Ion: 85 Resp: 42418
Ion Ratio Lower Upper
85 100
87 34.3 15.9 47.6





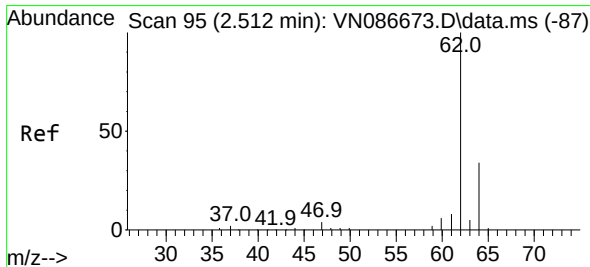
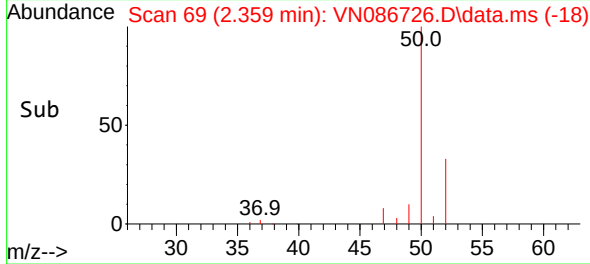
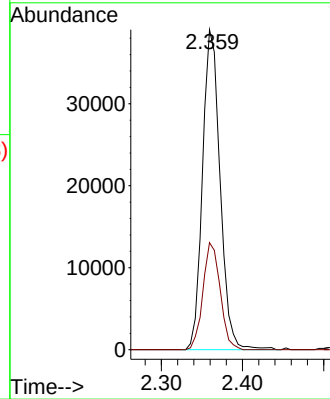
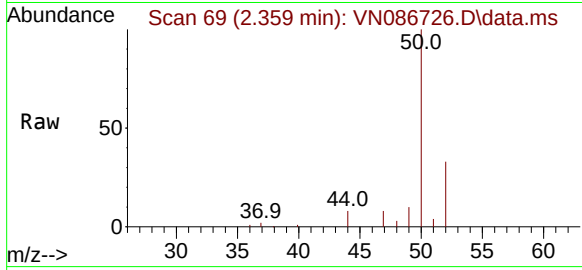
#3
Chloromethane
Concen: 21.392 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tgt Ion: 50 Resp: 5869
Ion Ratio Lower Upper
50 100
52 33.4 25.9 38.9

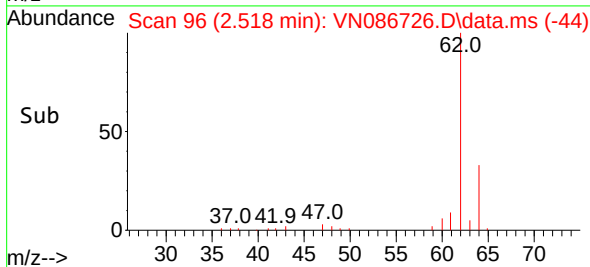
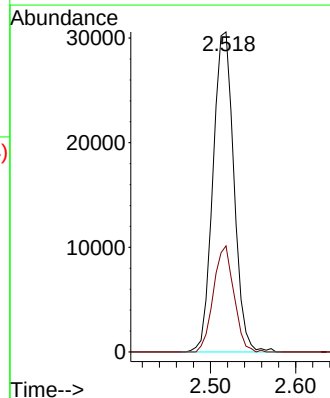
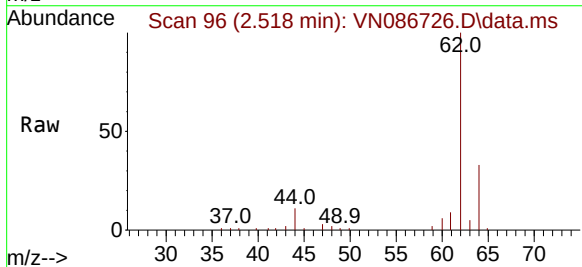
Manual Integrations
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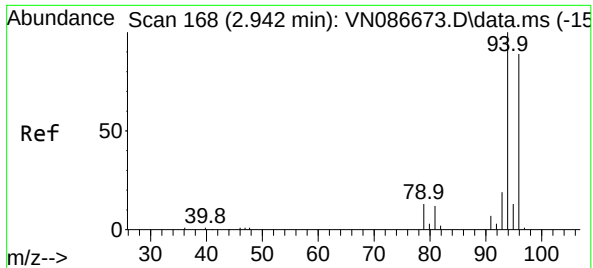
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#4
Vinyl Chloride
Concen: 21.172 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

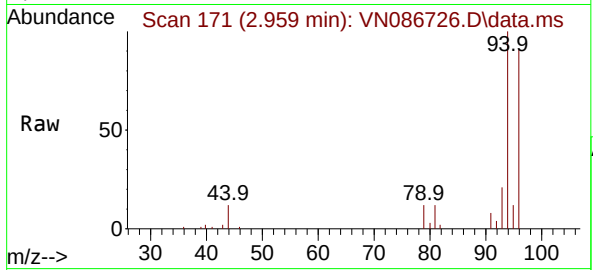
Tgt Ion: 62 Resp: 52170
Ion Ratio Lower Upper
62 100
64 33.1 26.9 40.3





#5
Bromomethane
Concen: 20.335 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

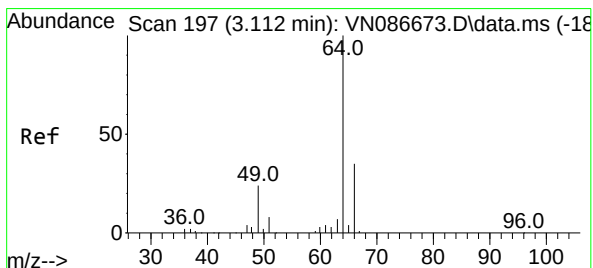
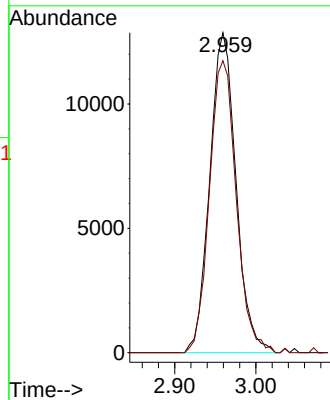
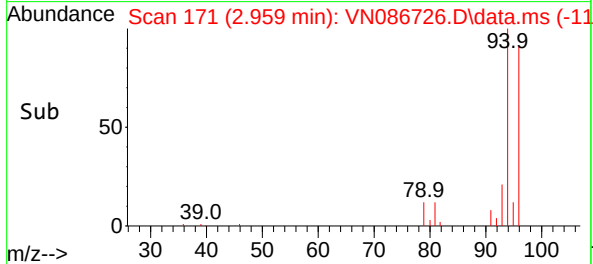
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01



Tgt Ion: 94 Resp: 2888
Ion Ratio Lower Upper
94 100
96 91.3 71.2 106.8

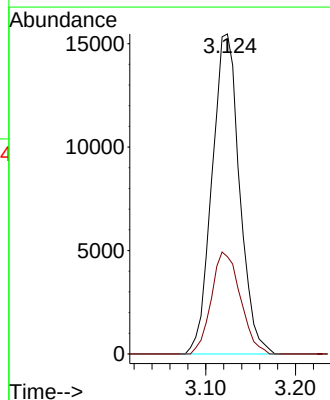
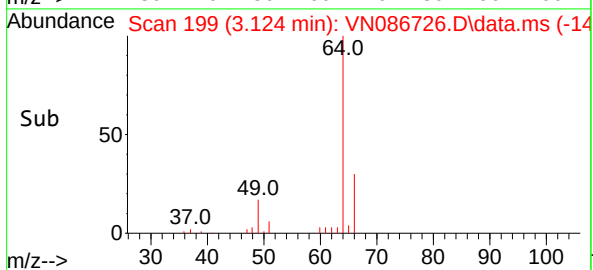
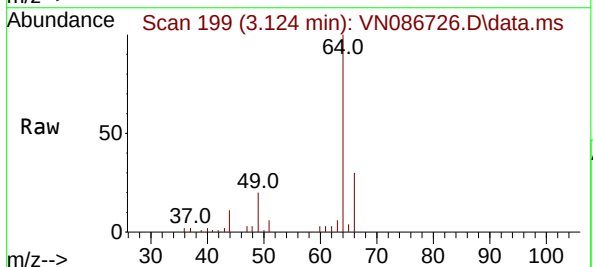
Manual Integrations
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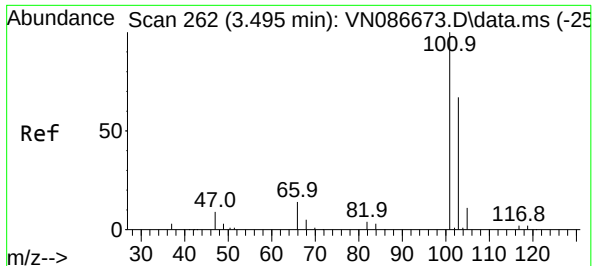
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#6
Chloroethane
Concen: 20.422 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.012 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

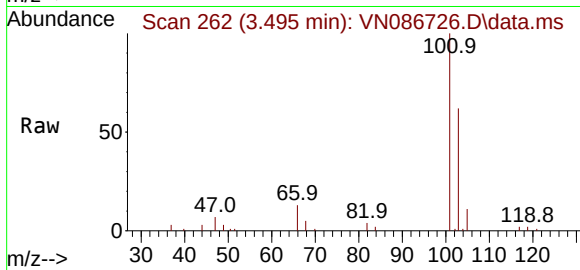
Tgt Ion: 64 Resp: 32966
Ion Ratio Lower Upper
64 100
66 30.4 27.7 41.5





#7
Trichlorofluoromethane
Concen: 20.625 ug/l
RT: 3.495 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

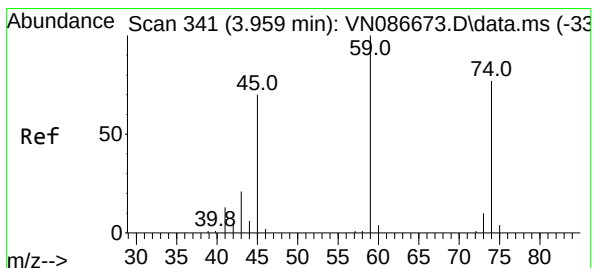
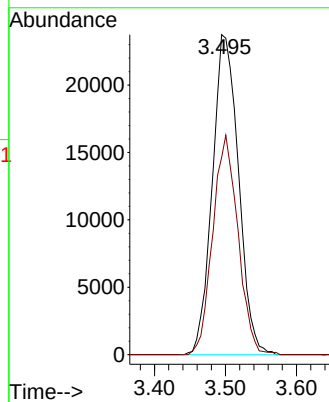
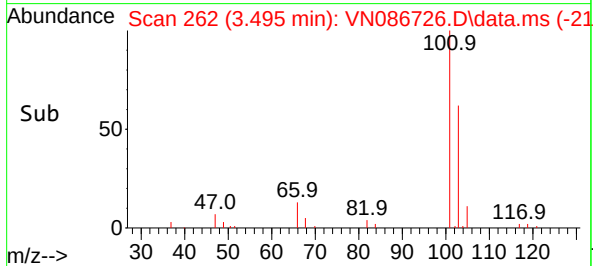
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01



Tgt Ion:101 Resp: 6073
Ion Ratio Lower Upper
101 100
103 61.6 53.4 80.0

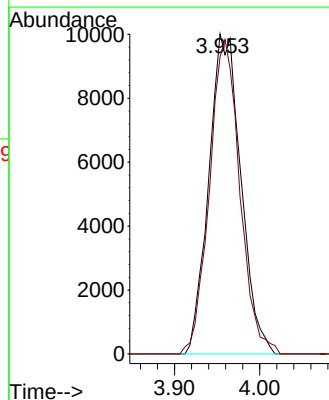
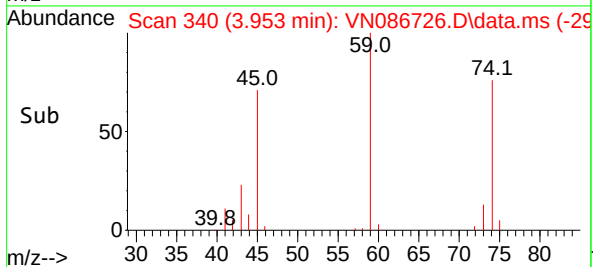
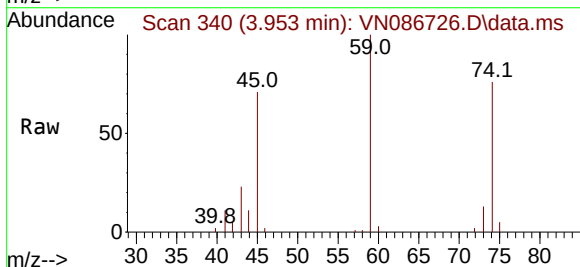
Manual Integrations
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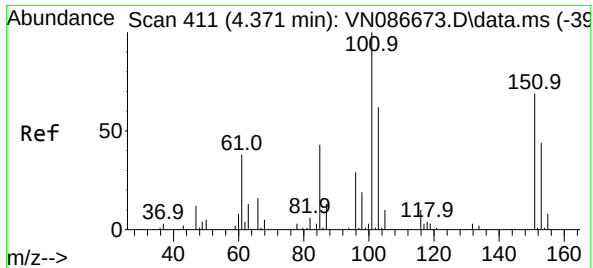
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#8
Diethyl Ether
Concen: 21.514 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Tgt Ion: 74 Resp: 26172
Ion Ratio Lower Upper
74 100
45 93.0 45.0 135.0





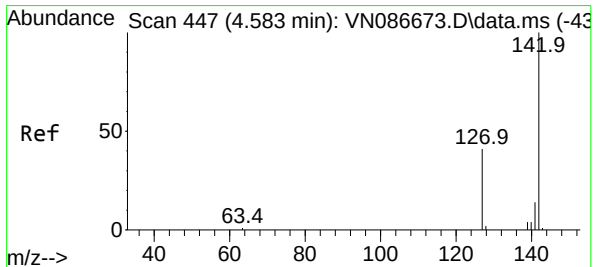
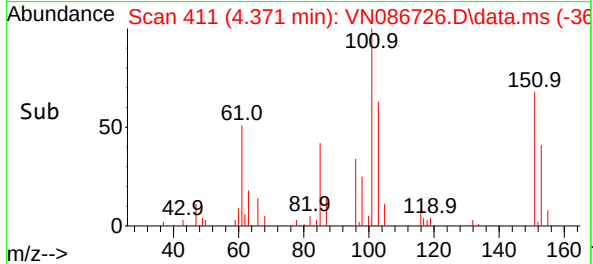
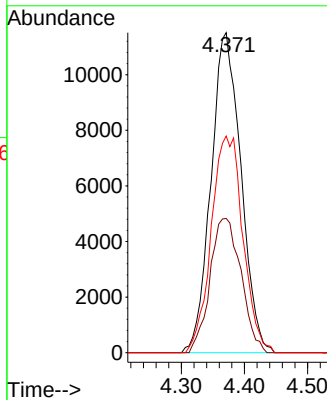
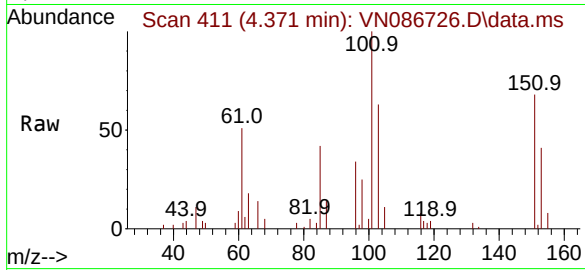
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.525 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tgt Ion:101 Resp: 3794
Ion Ratio Lower Upper
101 100
85 43.4 35.0 52.6
151 71.6 58.1 87.1

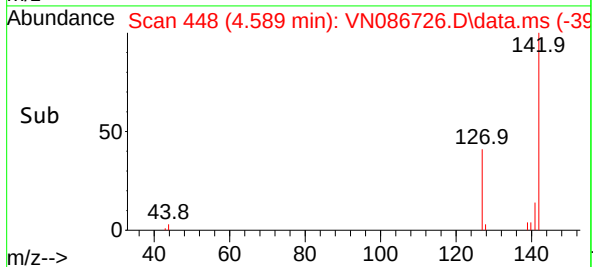
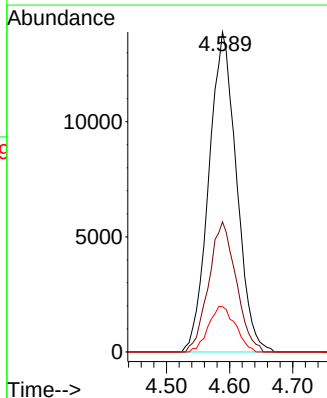
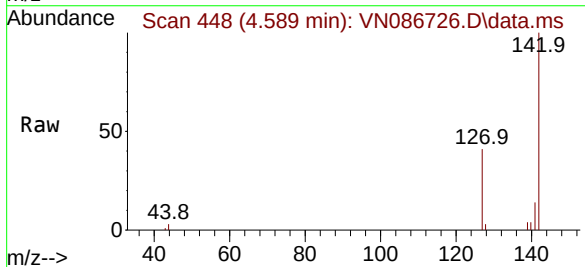
Manual Integrations
APPROVED

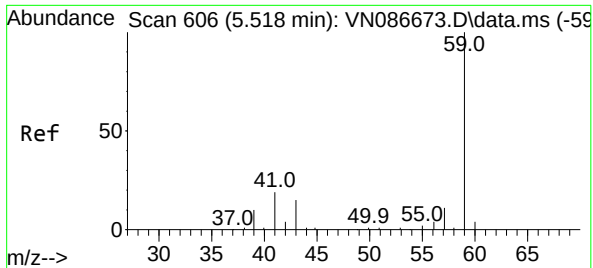
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#10
Methyl Iodide
Concen: 19.280 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Tgt Ion:142 Resp: 42280
Ion Ratio Lower Upper
142 100
127 40.7 32.4 48.6
141 14.2 11.4 17.2





#11

Tert butyl alcohol

Concen: 103.062 ug/l

RT: 5.512 min Scan# 606

Delta R.T. -0.006 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

Tgt Ion: 59 Resp: 4356

Ion Ratio Lower Upper

59 100

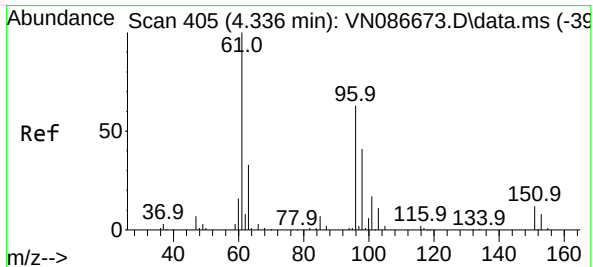
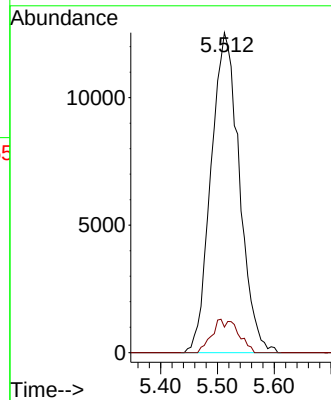
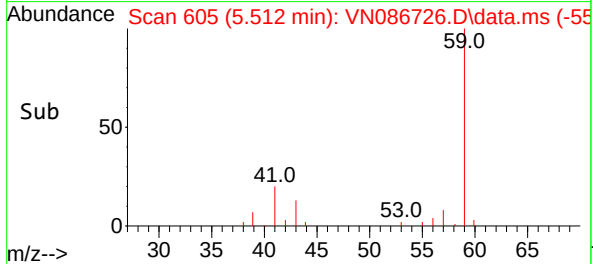
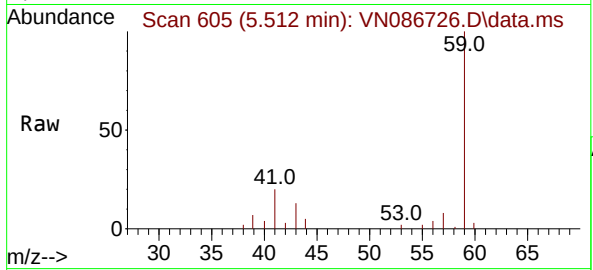
57 4.9 8.2 12.2

Manual Integrations

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Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#12

1,1-Dichloroethene

Concen: 20.379 ug/l

RT: 4.342 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

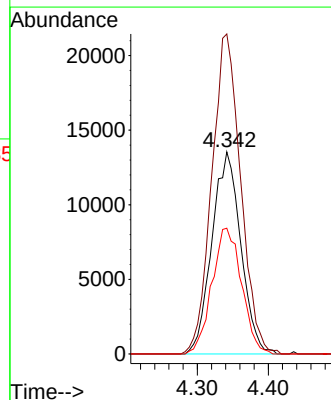
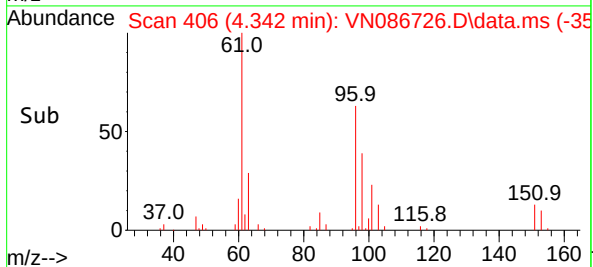
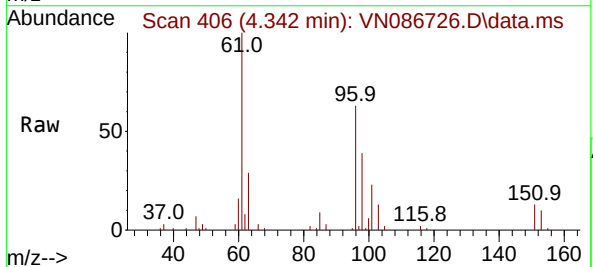
Tgt Ion: 96 Resp: 38181

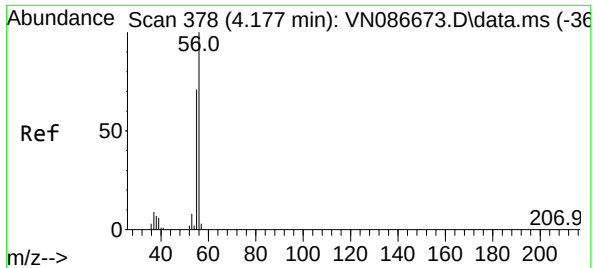
Ion Ratio Lower Upper

96 100

61 158.3 126.2 189.2

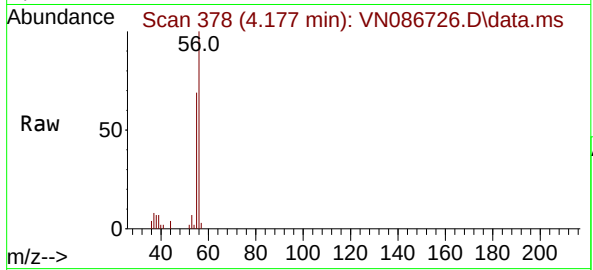
98 62.2 51.5 77.3





#13
Acrolein
Concen: 96.498 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

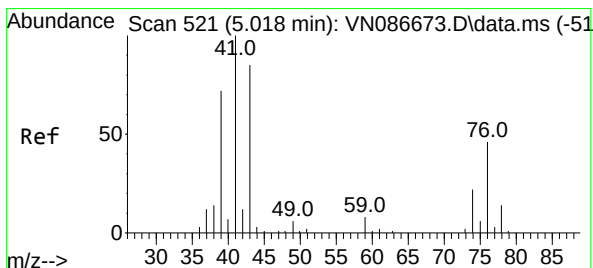
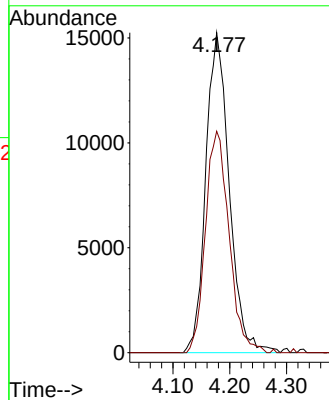
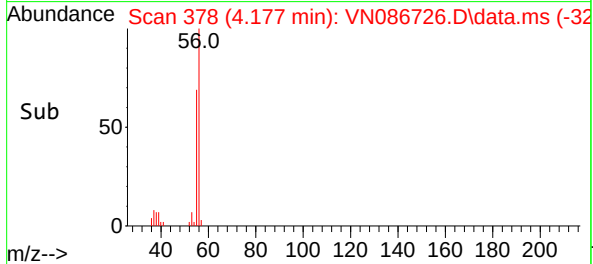
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01



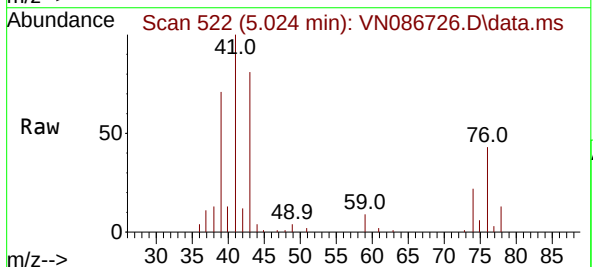
Tgt Ion: 56 Resp: 43609
Ion Ratio Lower Upper
56 100
55 69.8 55.7 83.5

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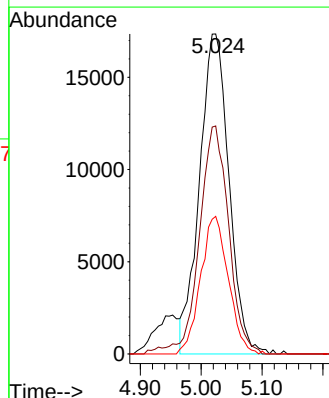
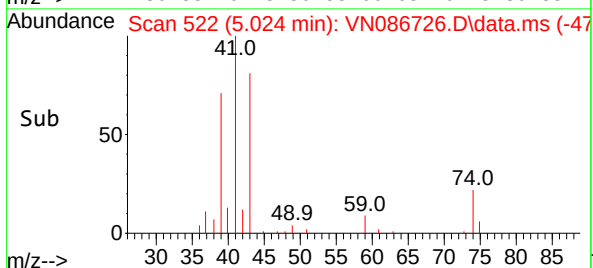
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

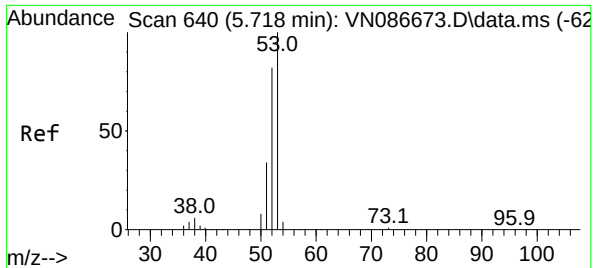


#14
Allyl chloride
Concen: 20.639 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05



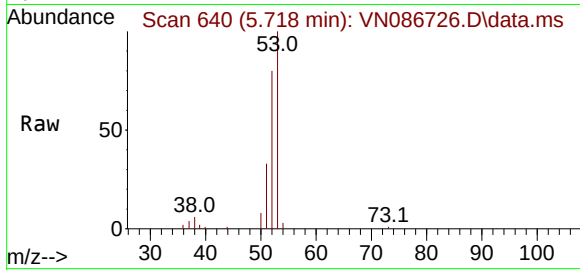
Tgt Ion: 41 Resp: 58528
Ion Ratio Lower Upper
41 100
39 70.9 57.4 86.0
76 40.4 33.2 49.8





#15
Acrylonitrile
Concen: 110.310 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

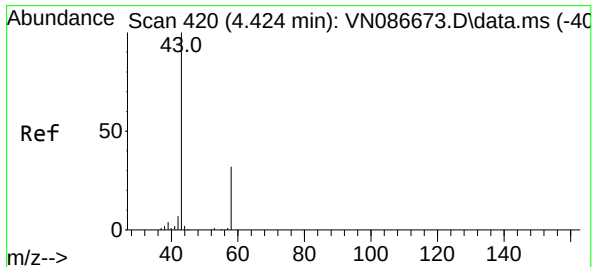
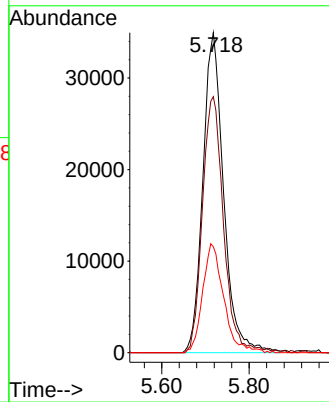
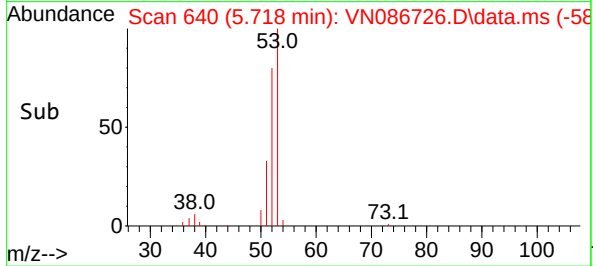
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01



Tgt Ion: 53 Resp: 115460
Ion Ratio Lower Upper
53 100
52 81.5 65.4 98.2
51 34.6 27.9 41.9

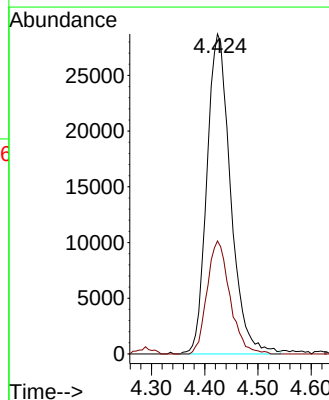
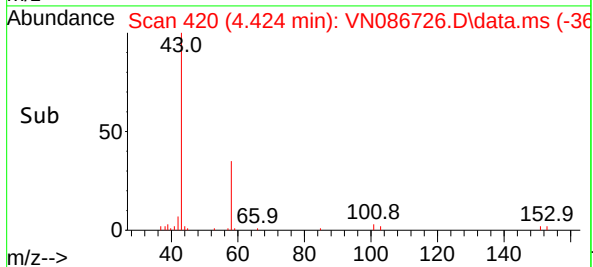
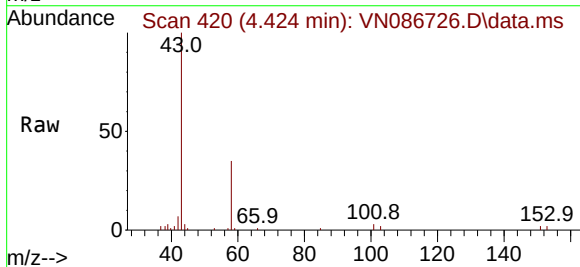
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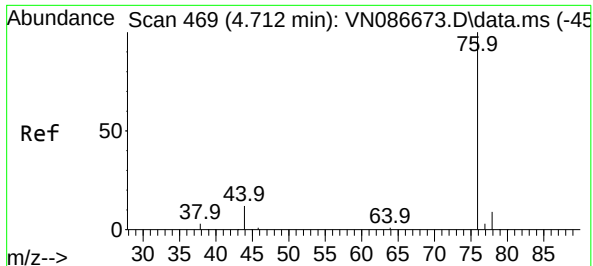
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#16
Acetone
Concen: 102.254 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

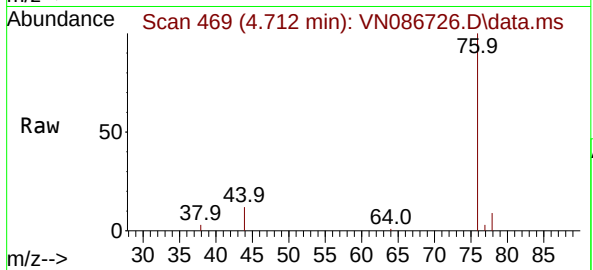
Tgt Ion: 43 Resp: 88783
Ion Ratio Lower Upper
43 100
58 35.3 25.8 38.6





#17
Carbon Disulfide
Concen: 20.608 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

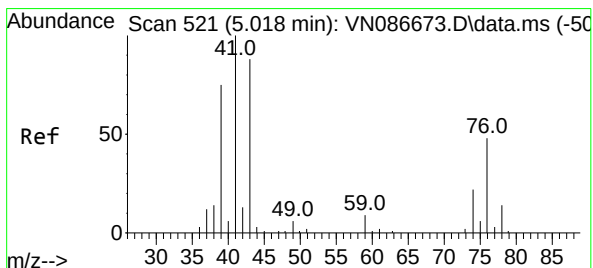
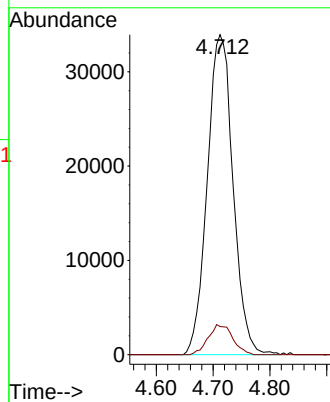
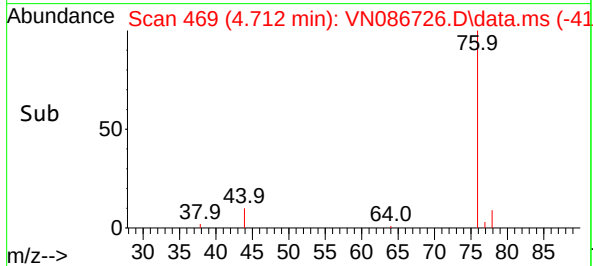
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01



Tgt Ion: 76 Resp: 106898
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9

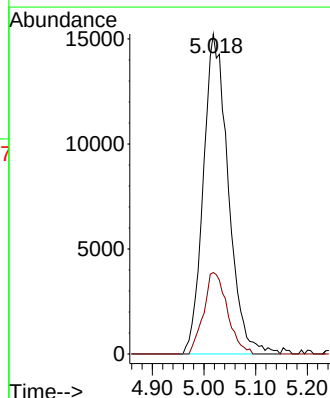
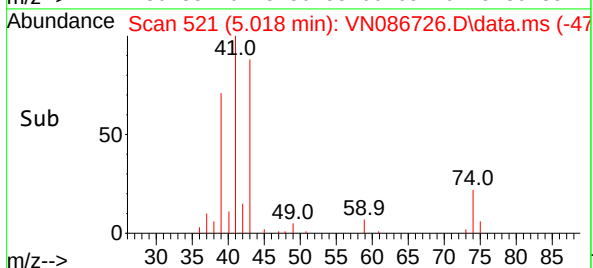
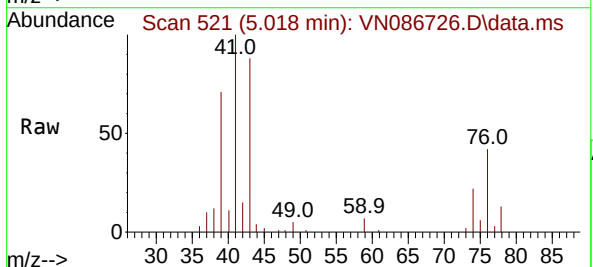
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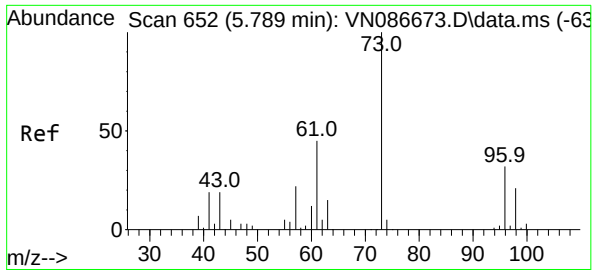
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#18
Methyl Acetate
Concen: 21.018 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Tgt Ion: 43 Resp: 51076
Ion Ratio Lower Upper
43 100
74 24.2 20.5 30.7





#19

Methyl tert-butyl Ether

Concen: 21.740 ug/l

RT: 5.789 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

Tgt Ion: 73 Resp: 13869

Ion Ratio Lower Upper

73 100

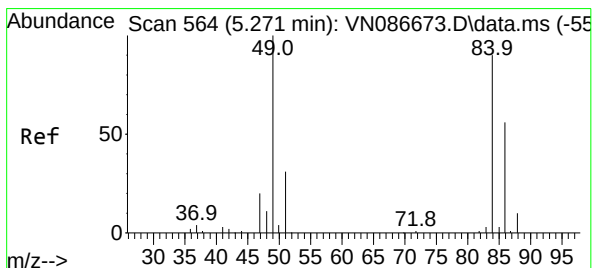
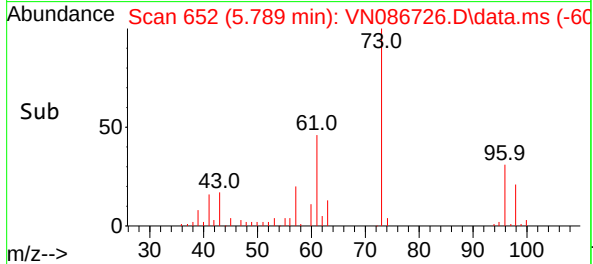
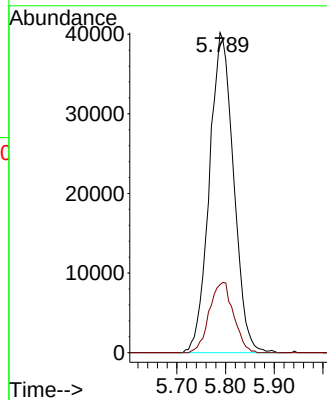
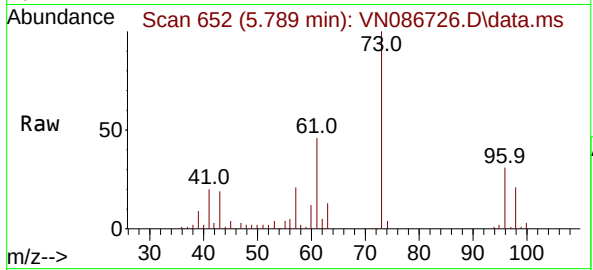
57 21.3 17.7 26.5

Manual Integrations

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Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#20

Methylene Chloride

Concen: 20.460 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.006 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

Tgt Ion: 84 Resp: 46878

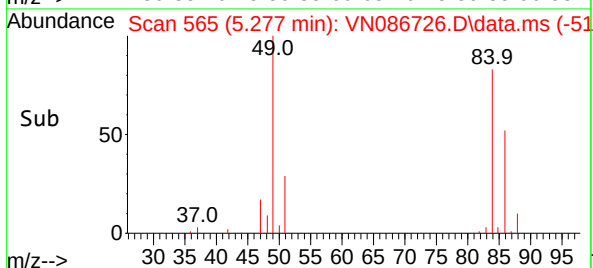
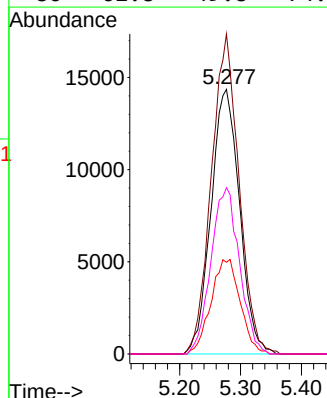
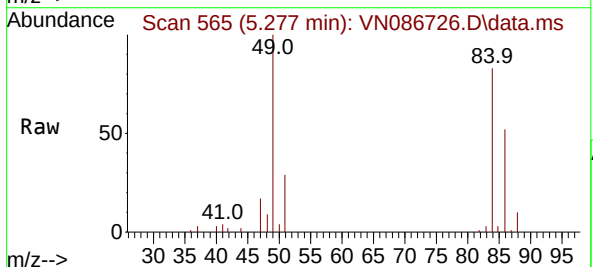
Ion Ratio Lower Upper

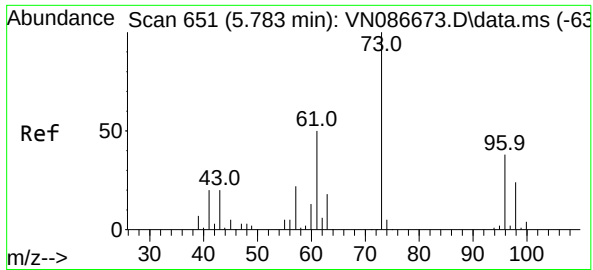
84 100

49 120.9 88.8 133.2

51 34.6 27.8 41.6

86 62.8 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 20.670 ug/l

RT: 5.783 min Scan# 651

Delta R.T. -0.000 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

Tgt Ion: 96 Resp: 40944

Ion Ratio Lower Upper

96 100

61 131.3 105.7 158.5

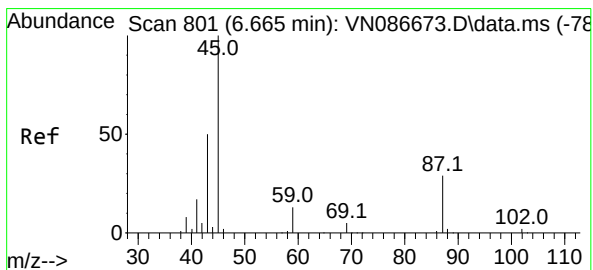
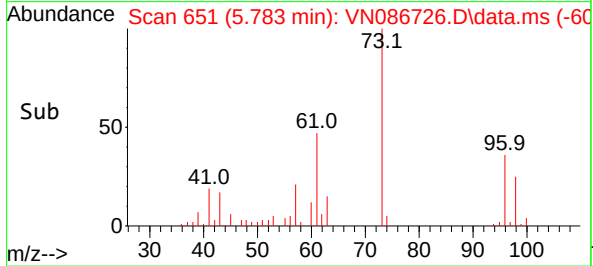
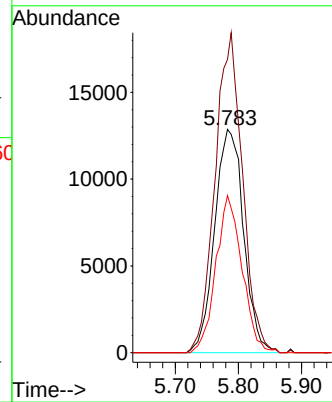
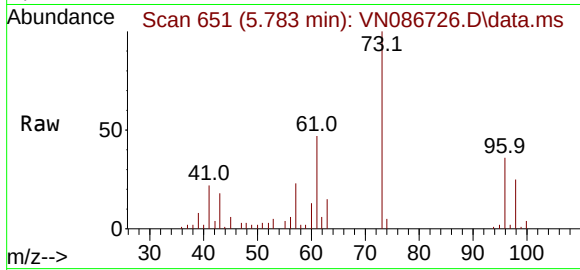
98 70.3 51.0 76.6

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Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#22

Diisopropyl ether

Concen: 22.205 ug/l

RT: 6.665 min Scan# 801

Delta R.T. -0.000 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

Tgt Ion: 45 Resp: 142064

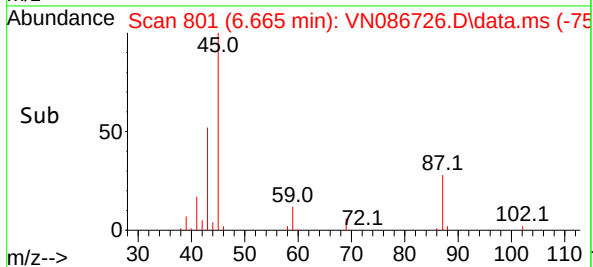
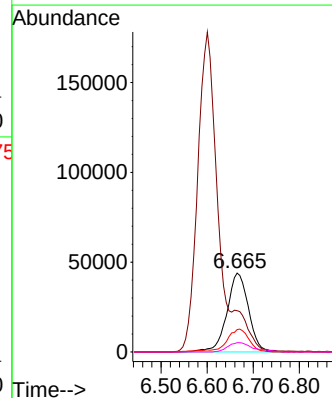
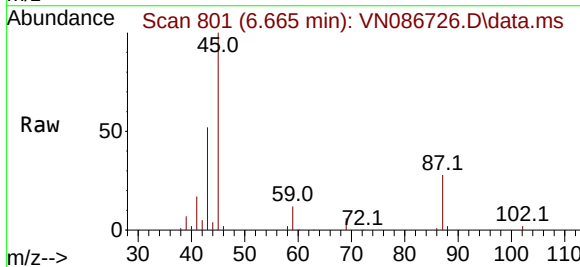
Ion Ratio Lower Upper

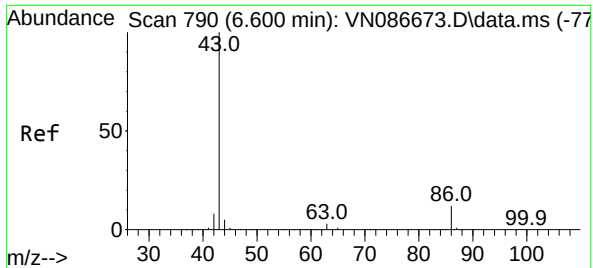
45 100

43 51.2 41.4 62.2

87 28.4 22.9 34.3

59 11.8 10.1 15.1





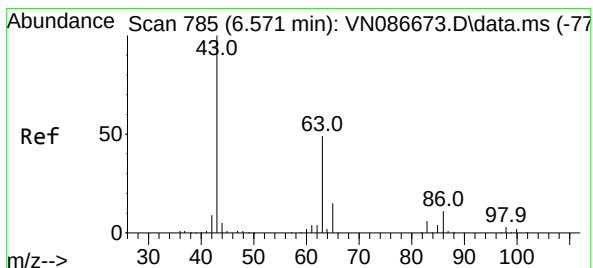
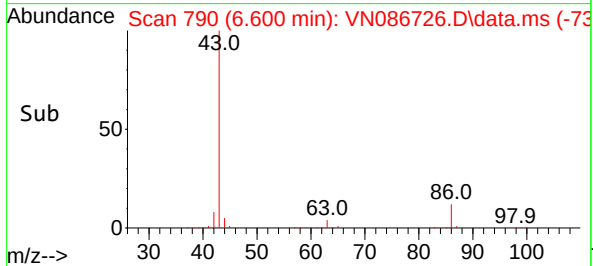
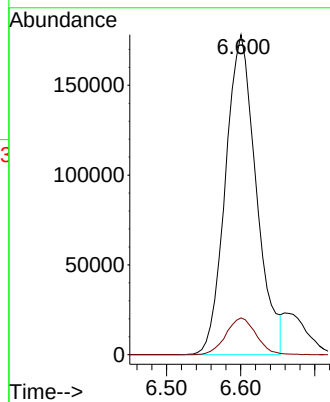
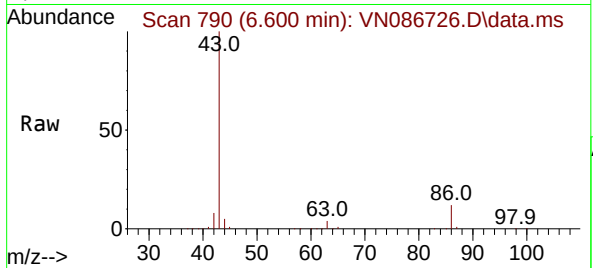
#23
 Vinyl Acetate
 Concen: 106.911 ug/l
 RT: 6.600 min Scan# 790
 Delta R.T. -0.000 min
 Lab File: VN086726.D
 Acq: 21 May 2025 13:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521WBS01

Tgt Ion: 43 Resp: 514062
 Ion Ratio Lower Upper
 43 100
 86 11.5 9.5 14.3

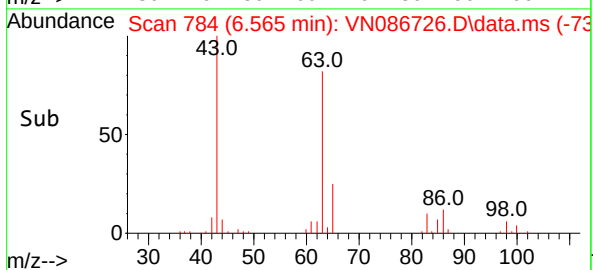
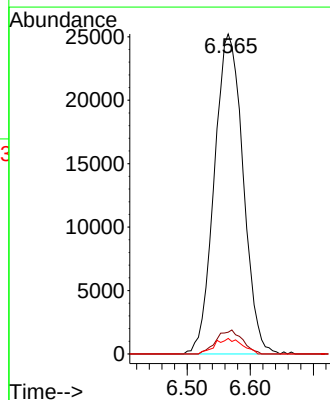
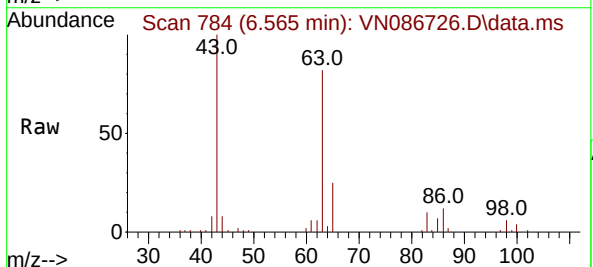
Manual Integrations
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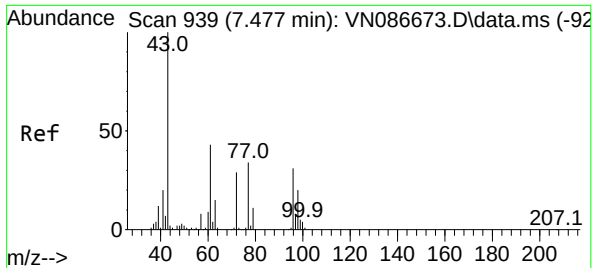
Reviewed By :John Carlone 05/22/2025
 Supervised By :Mahesh Dadoda 05/22/2025



#24
 1,1-Dichloroethane
 Concen: 21.227 ug/l
 RT: 6.565 min Scan# 784
 Delta R.T. -0.006 min
 Lab File: VN086726.D
 Acq: 21 May 2025 13:05

Tgt Ion: 63 Resp: 79734
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.2
 100 4.8 2.4 7.1





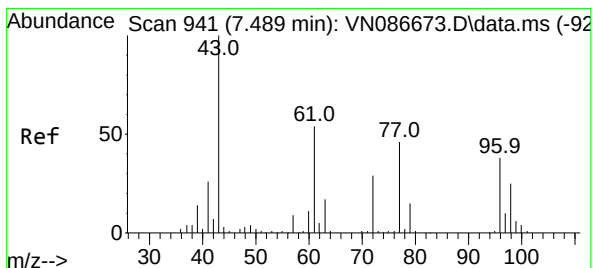
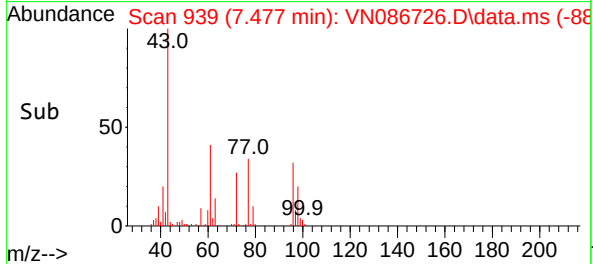
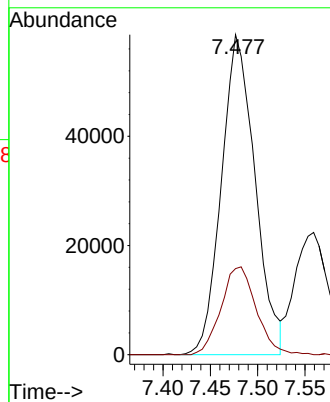
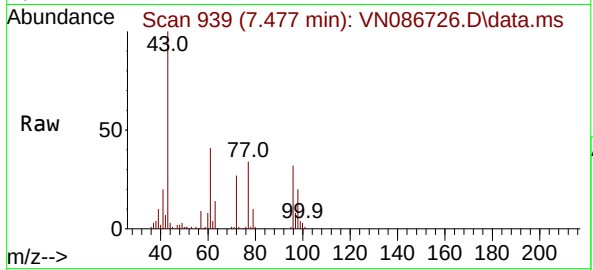
#25
2-Butanone
Concen: 107.968 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tgt Ion: 43 Resp: 14486
Ion Ratio Lower Upper
43 100
72 26.9 23.1 34.7

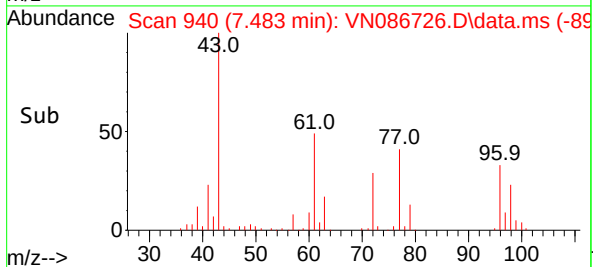
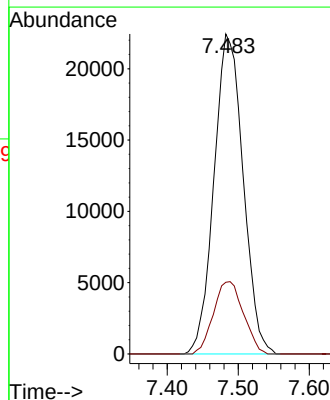
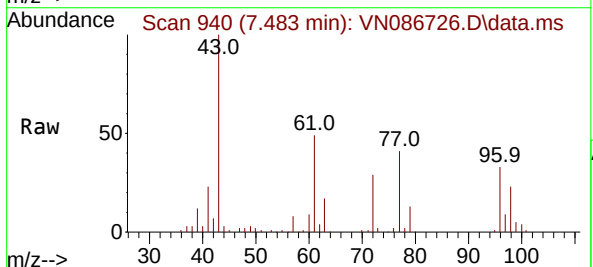
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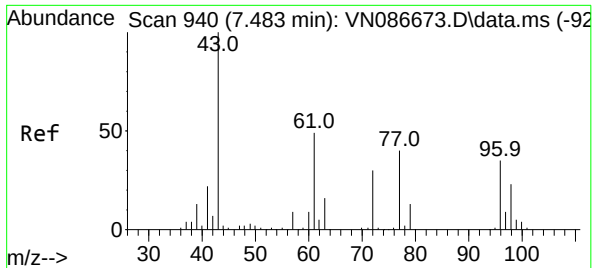
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#26
2,2-Dichloropropane
Concen: 20.598 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Tgt Ion: 77 Resp: 63851
Ion Ratio Lower Upper
77 100
97 23.2 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 20.585 ug/l

RT: 7.477 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

Tgt Ion: 96 Resp: 5005

Ion Ratio Lower Upper

96 100

61 142.7 0.0 277.4

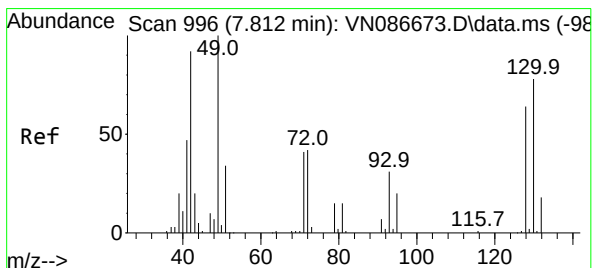
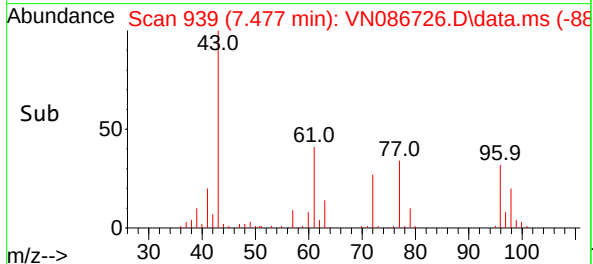
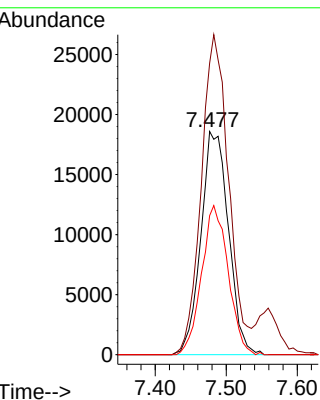
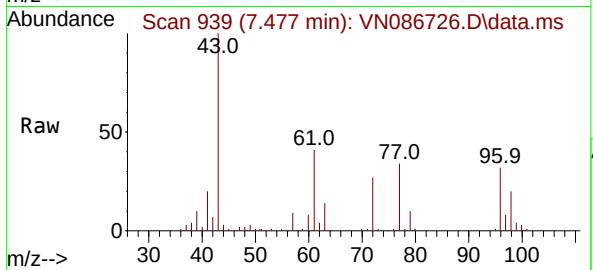
98 64.4 0.0 129.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#28

Bromochloromethane

Concen: 21.652 ug/l

RT: 7.812 min Scan# 996

Delta R.T. -0.000 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

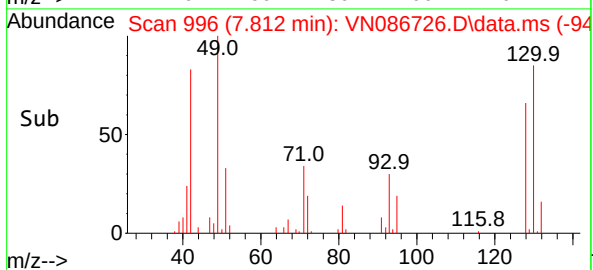
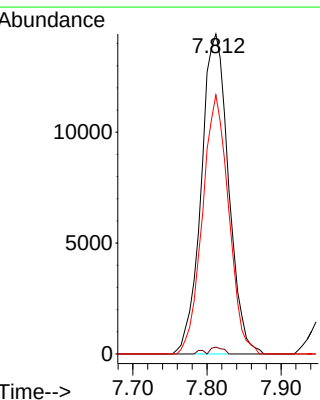
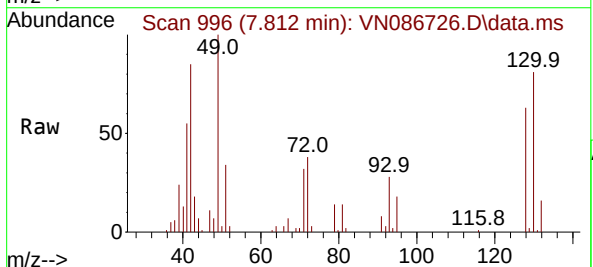
Tgt Ion: 49 Resp: 36951

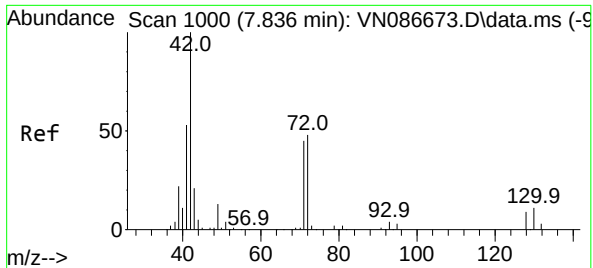
Ion Ratio Lower Upper

49 100

129 1.3 0.0 3.8

130 77.7 62.2 93.4





#29

Tetrahydrofuran

Concen: 105.533 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

Tgt Ion: 42 Resp: 92420

Ion Ratio Lower Upper

42 100

72 48.5 38.7 58.1

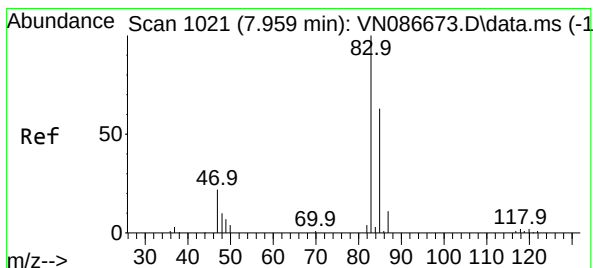
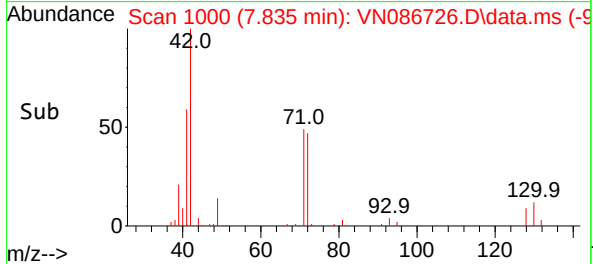
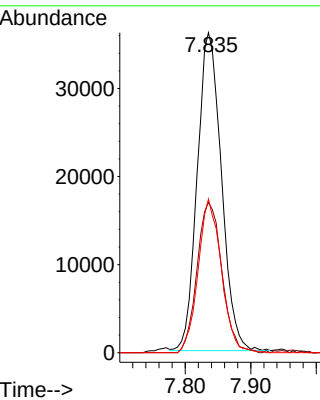
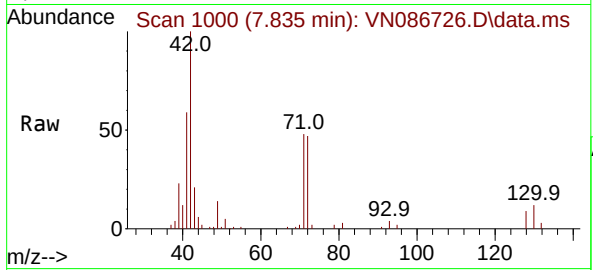
71 46.4 36.2 54.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#30

Chloroform

Concen: 21.016 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN086726.D

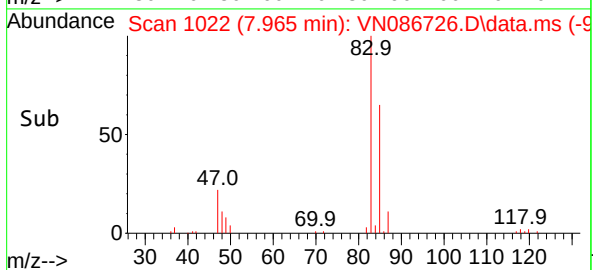
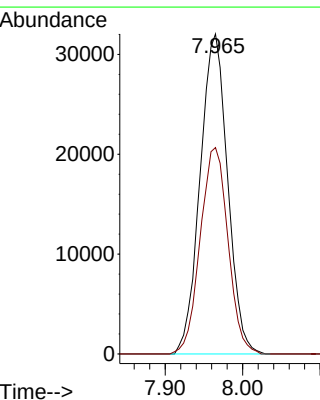
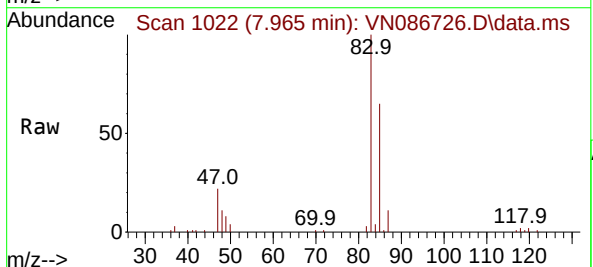
Acq: 21 May 2025 13:05

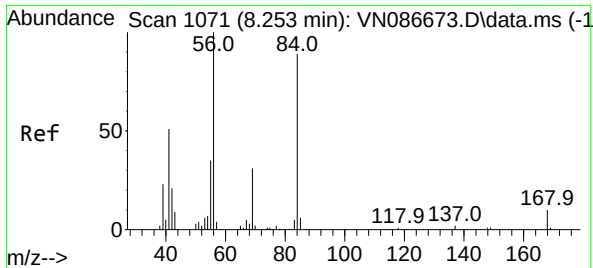
Tgt Ion: 83 Resp: 79014

Ion Ratio Lower Upper

83 100

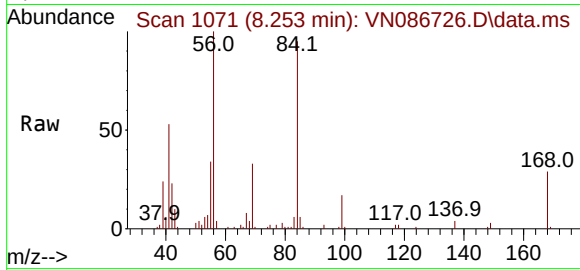
85 64.5 50.2 75.4





#31
Cyclohexane
Concen: 20.443 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

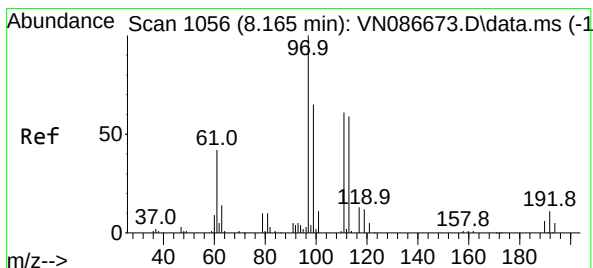
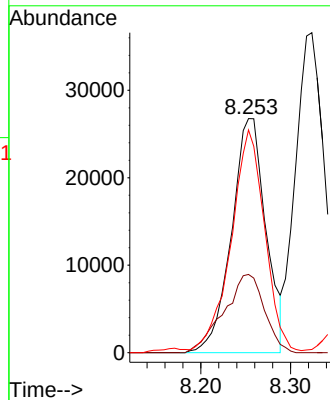
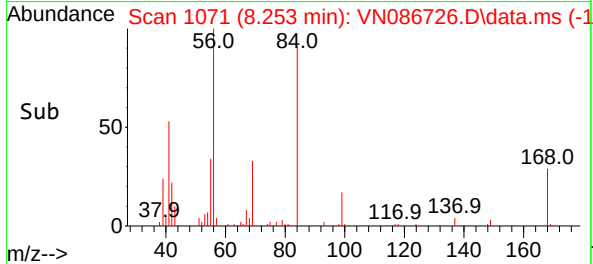
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01



Tgt Ion: 56 Resp: 71215
Ion Ratio Lower Upper
56 100
69 33.4 25.0 37.6
84 93.7 71.0 106.4

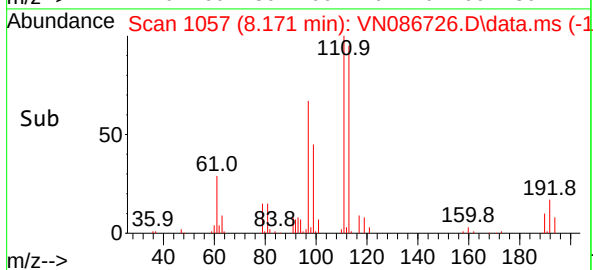
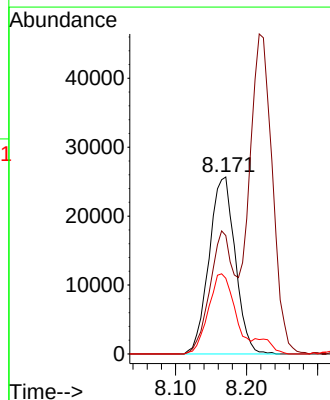
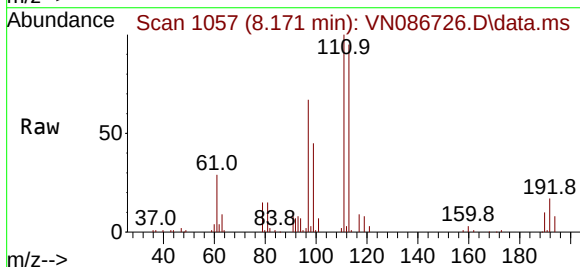
Manual Integrations
APPROVED

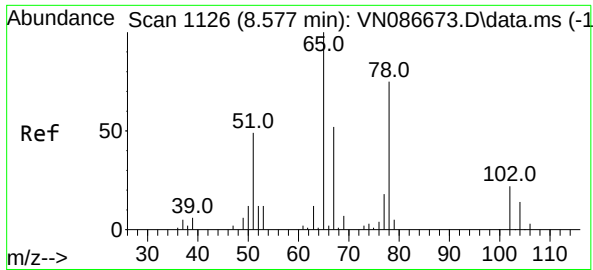
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#32
1,1,1-Trichloroethane
Concen: 20.671 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Tgt Ion: 97 Resp: 65524
Ion Ratio Lower Upper
97 100
99 64.9 52.6 79.0
61 46.3 37.7 56.5





#33

1,2-Dichloroethane-d4

Concen: 53.885 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

Tgt Ion: 65 Resp: 125074

Ion Ratio Lower Upper

65 100

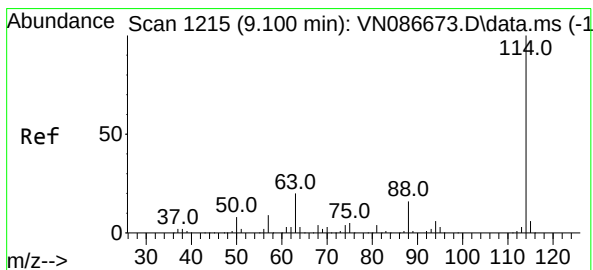
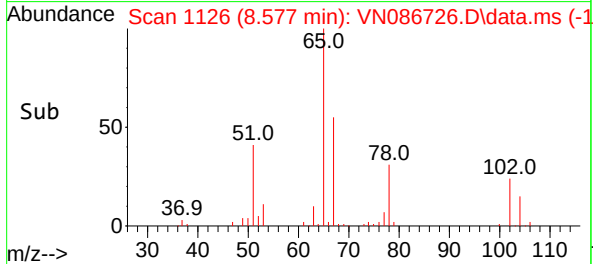
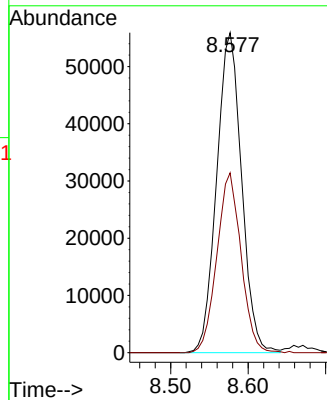
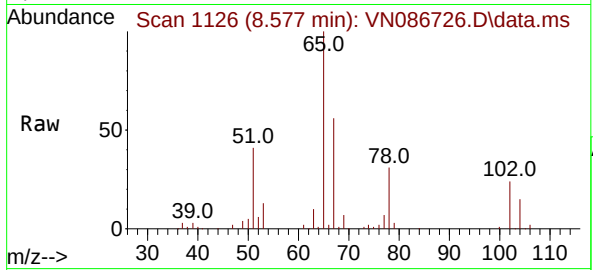
67 54.5 0.0 106.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

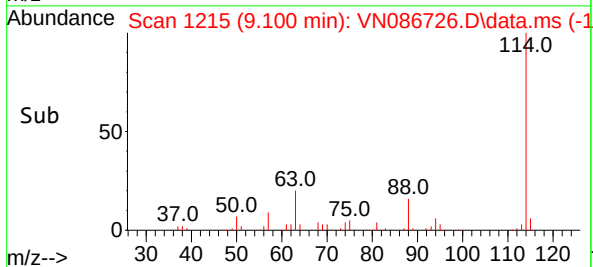
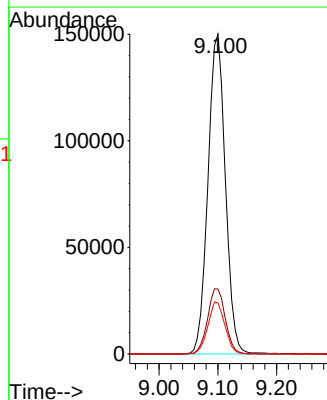
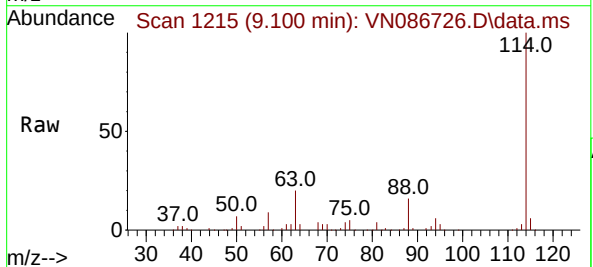
Tgt Ion:114 Resp: 308282

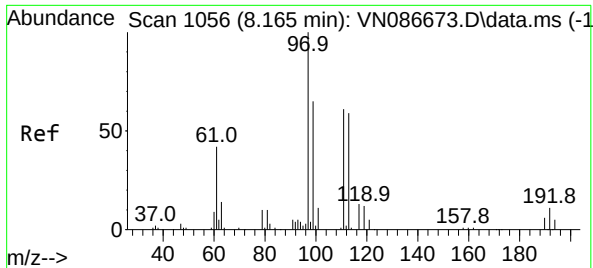
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.2

88 15.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 53.159 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

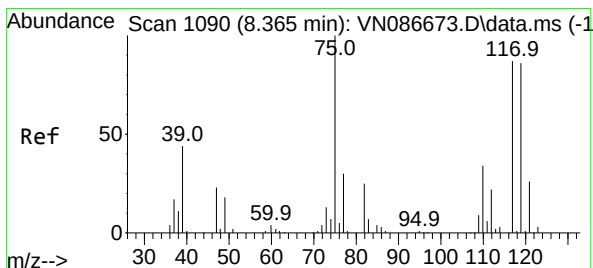
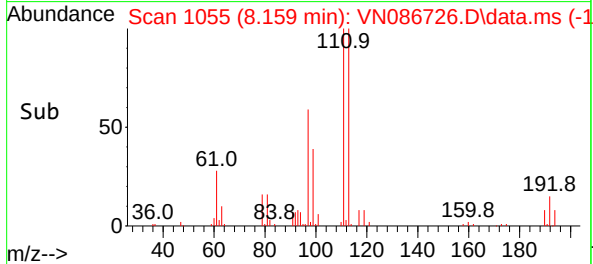
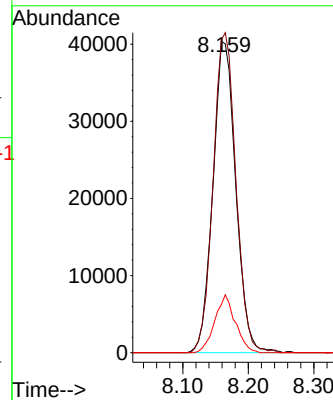
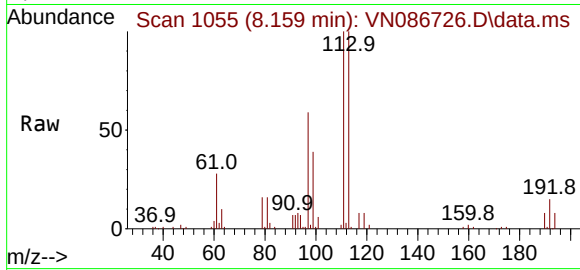
Tgt Ion:	113	Resp:	97598
Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.2
192	16.7	13.8	20.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#36

1,1-Dichloropropene

Concen: 20.647 ug/l

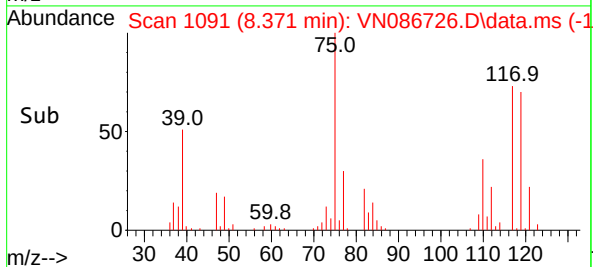
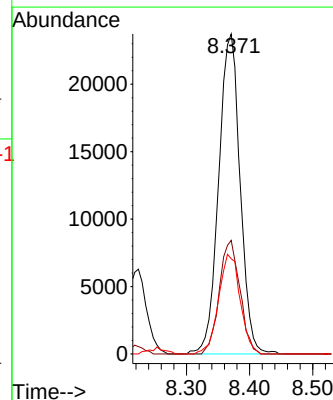
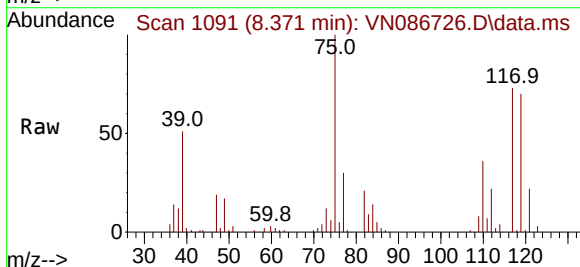
RT: 8.371 min Scan# 1091

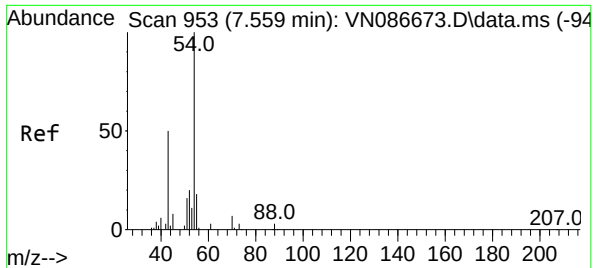
Delta R.T. 0.006 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

Tgt Ion:	75	Resp:	55914
Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.5	52.5
77	31.4	25.1	37.7





#37

Ethyl Acetate

Concen: 20.947 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

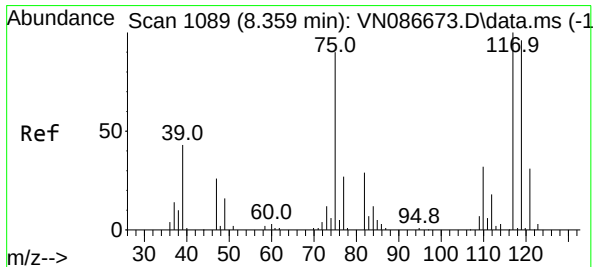
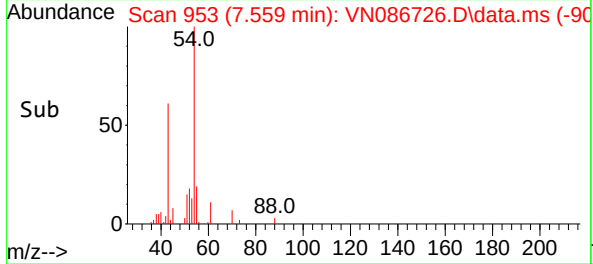
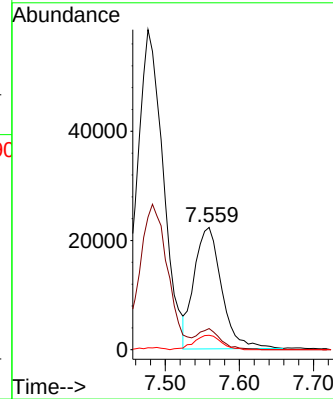
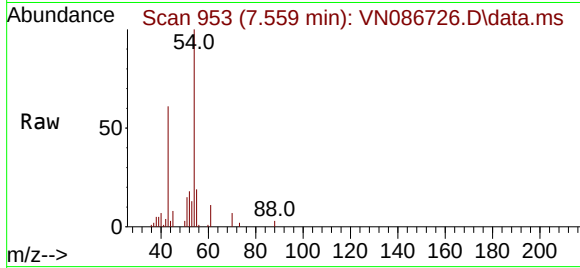
Tgt Ion:	43	Resp:	5730
Ion Ratio	Lower	Upper	
43	100		
61	14.5	11.6	17.4
70	11.7	9.4	14.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#38

Carbon Tetrachloride

Concen: 20.701 ug/l

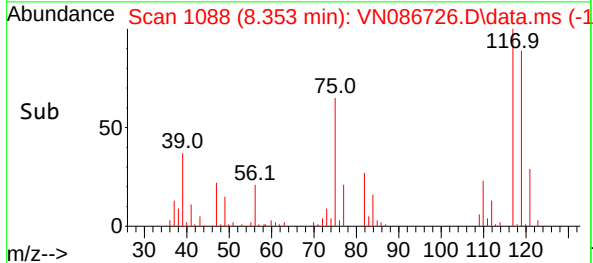
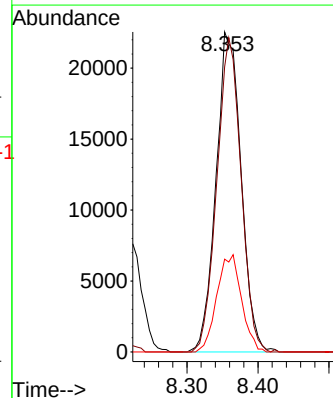
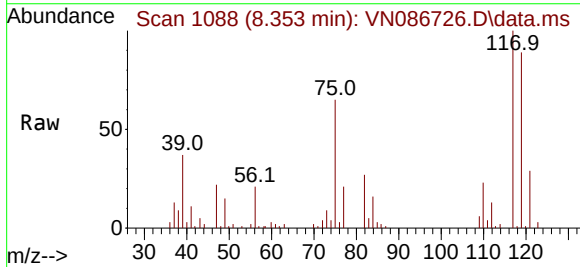
RT: 8.353 min Scan# 1088

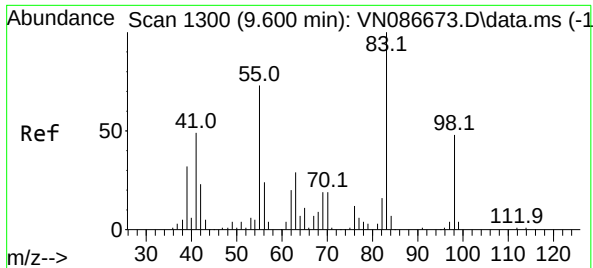
Delta R.T. -0.006 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

Tgt Ion:	117	Resp:	55235
Ion Ratio	Lower	Upper	
117	100		
119	89.1	77.0	115.6
121	29.0	25.0	37.6





#39

Methylcyclohexane

Concen: 20.848 ug/l

RT: 9.594 min Scan# 1110

Delta R.T. -0.006 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

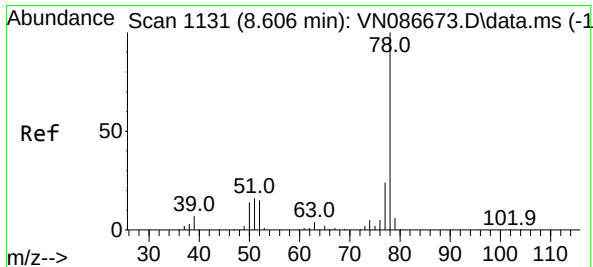
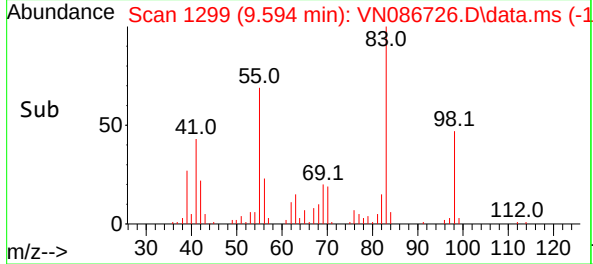
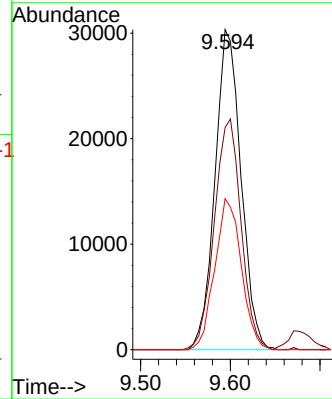
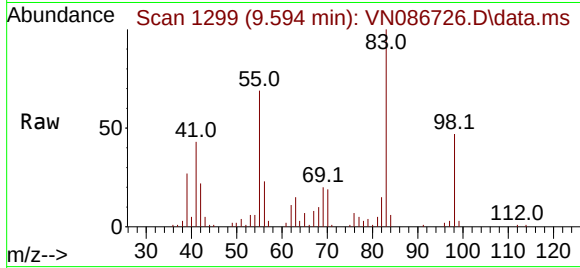
Tgt Ion:	83	Resp:	6110
Ion	Ratio	Lower	Upper
83	100		
55	69.5	58.2	87.4
98	47.2	38.4	57.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#40

Benzene

Concen: 20.948 ug/l

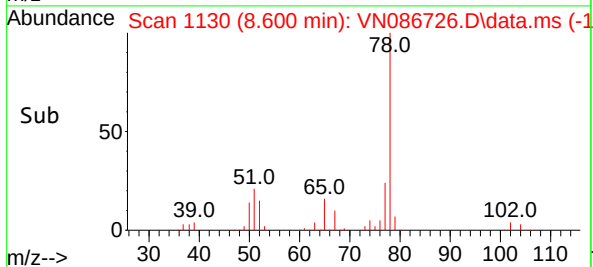
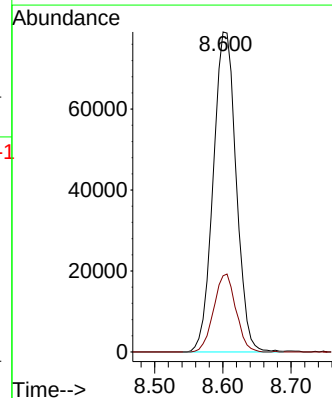
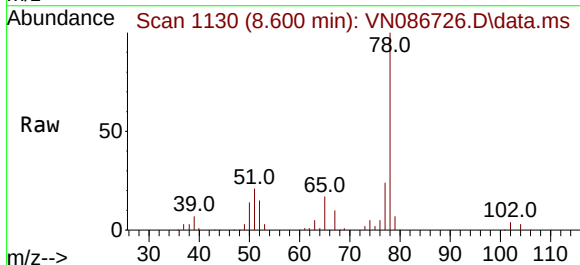
RT: 8.600 min Scan# 1130

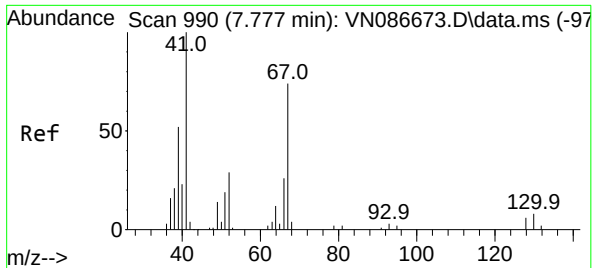
Delta R.T. -0.006 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

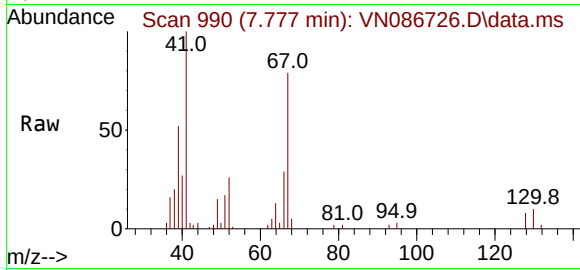
Tgt Ion:	78	Resp:	185065
Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





#41
Methacrylonitrile
Concen: 20.927 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

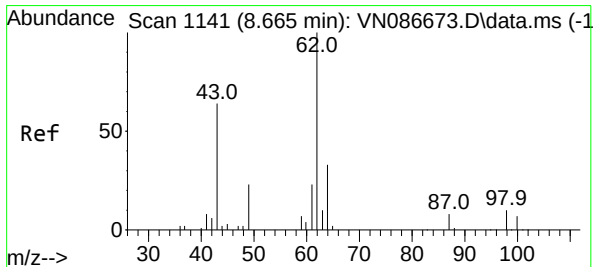
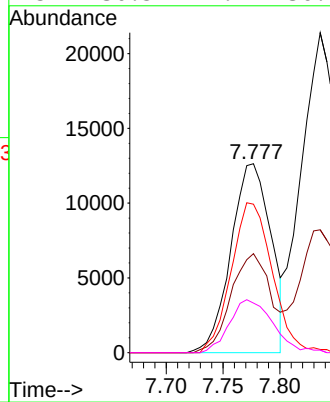
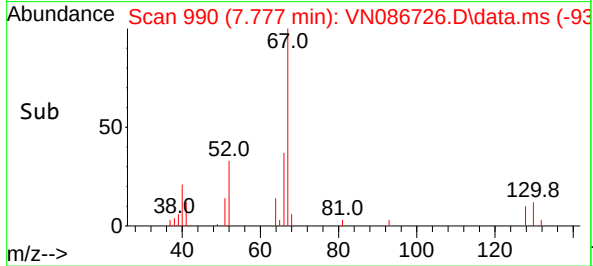
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01



Tgt Ion: 41 Resp: 30910
Ion Ratio Lower Upper
41 100
39 51.7 44.9 67.3
67 81.4 63.4 95.0
52 30.5 24.4 36.6

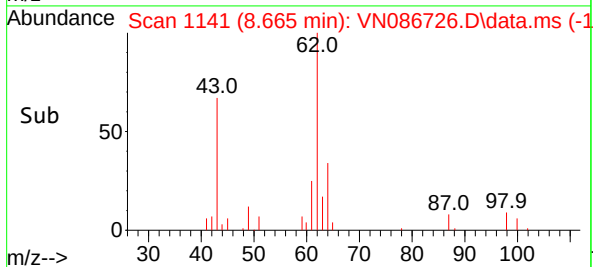
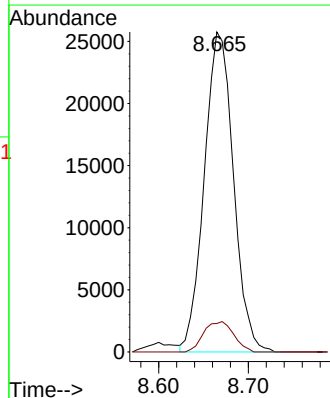
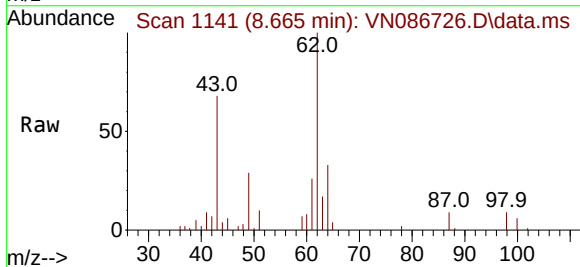
Manual Integrations
APPROVED

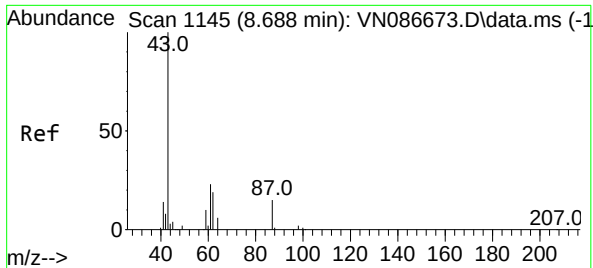
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#42
1,2-Dichloroethane
Concen: 21.125 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

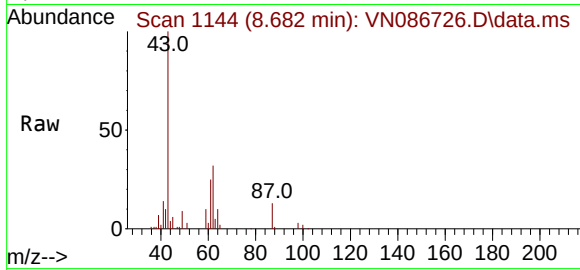
Tgt Ion: 62 Resp: 58142
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.2





#43
Isopropyl Acetate
Concen: 19.343 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

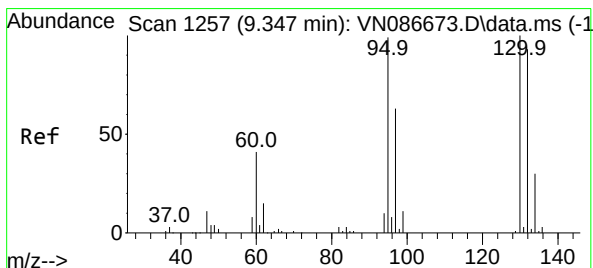
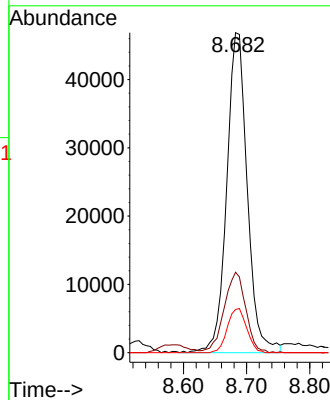
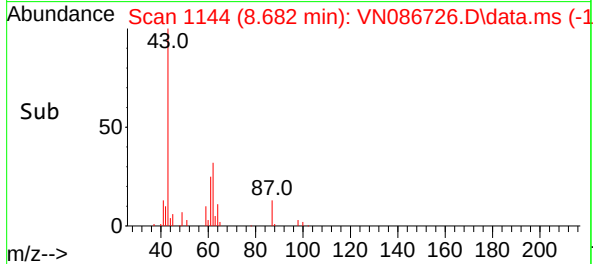
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01



Tgt Ion: 43 Resp: 106070
Ion Ratio Lower Upper
43 100
61 26.5 21.4 32.2
87 12.9 11.1 16.7

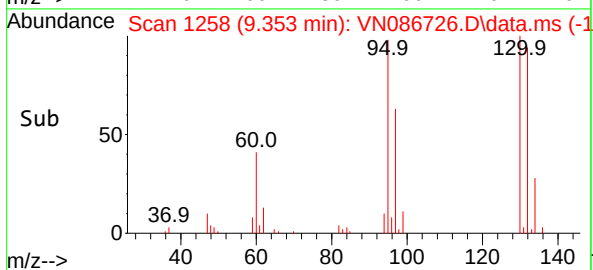
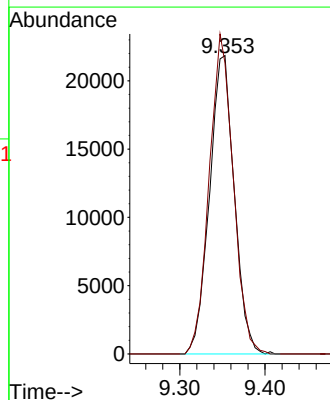
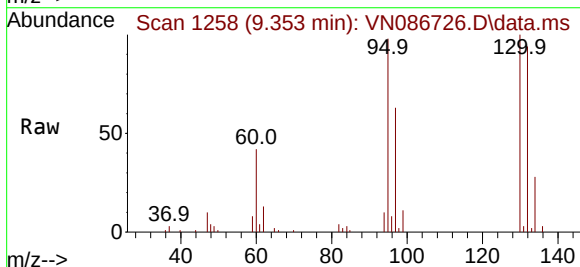
Manual Integrations
APPROVED

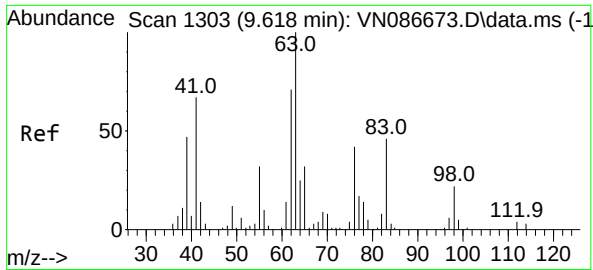
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#44
Trichloroethene
Concen: 20.738 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Tgt Ion:130 Resp: 44189
Ion Ratio Lower Upper
130 100
95 97.5 0.0 197.0





#45

1,2-Dichloropropane

Concen: 21.343 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

Tgt Ion: 63 Resp: 44792

Ion Ratio Lower Upper

63 100

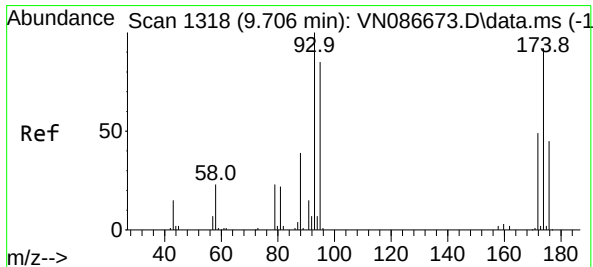
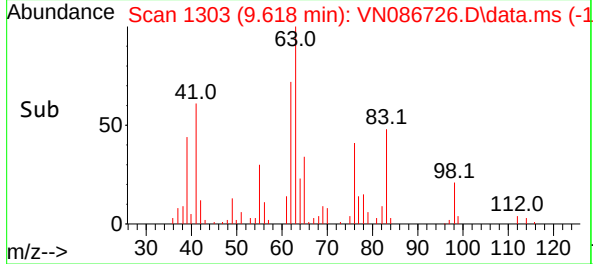
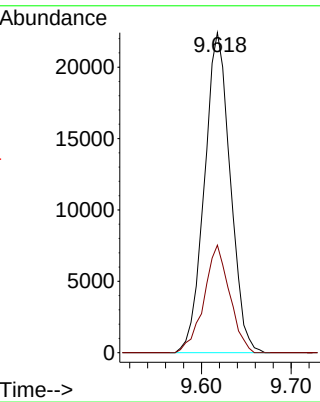
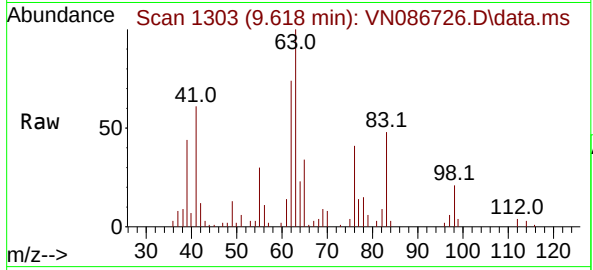
65 33.6 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#46

Dibromomethane

Concen: 20.876 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

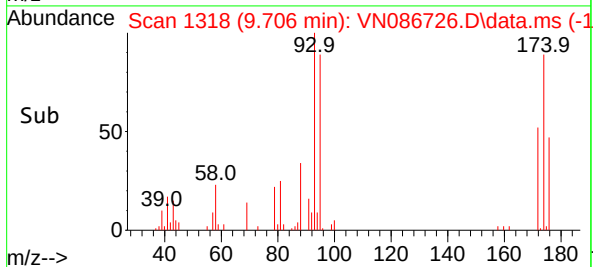
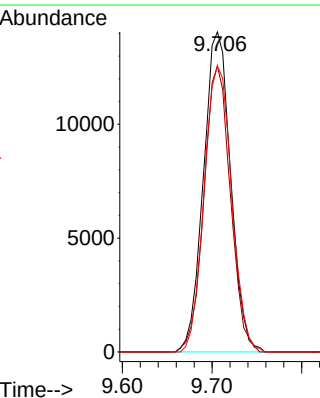
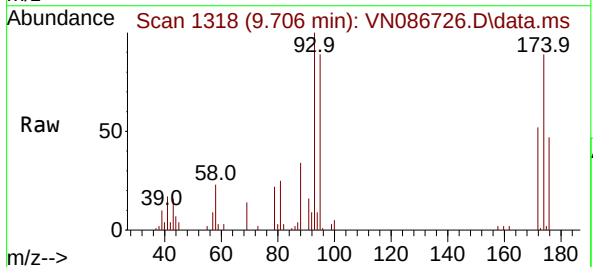
Tgt Ion: 93 Resp: 29562

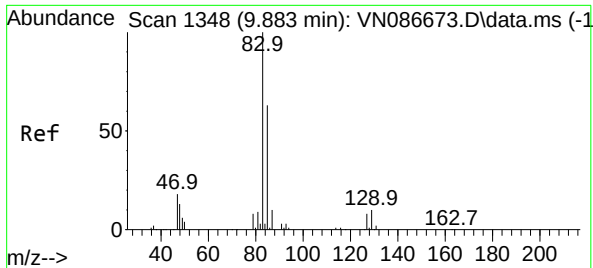
Ion Ratio Lower Upper

93 100

95 86.6 67.1 100.7

174 90.5 73.8 110.6





#47

Bromodichloromethane

Concen: 21.442 ug/l

RT: 9.882 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

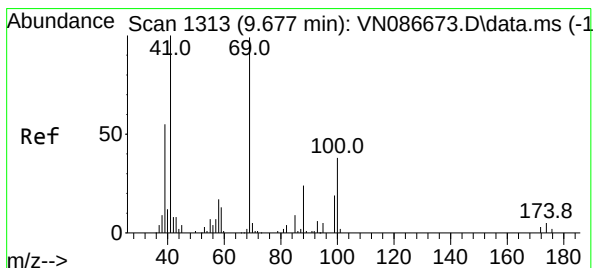
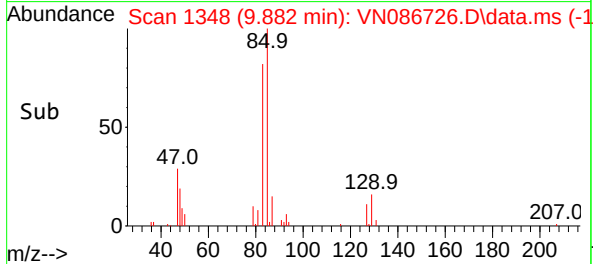
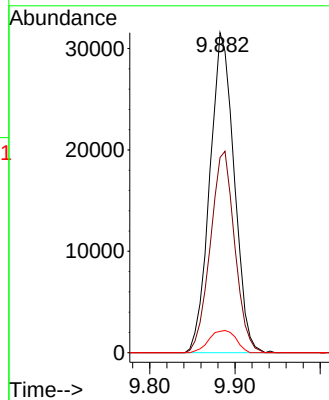
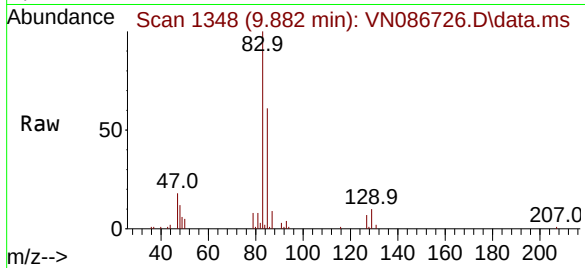
Tgt Ion:	83	Resp:	6256
Ion Ratio	Lower	Upper	
83	100		
85	61.0	50.1	75.1
127	6.6	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#48

Methyl methacrylate

Concen: 21.800 ug/l

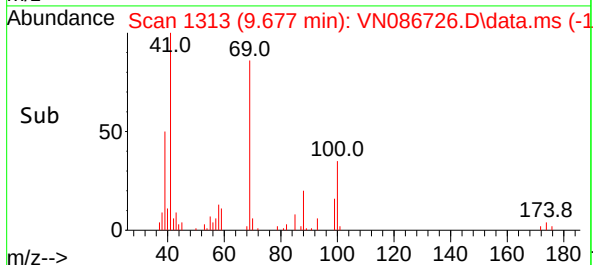
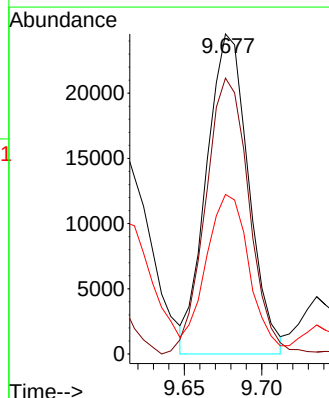
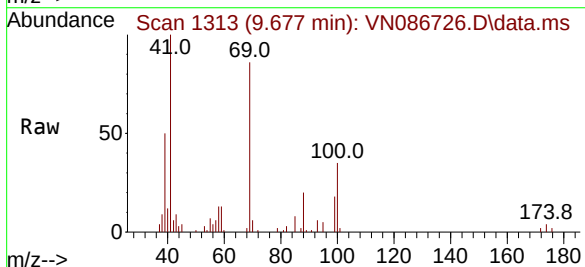
RT: 9.677 min Scan# 1313

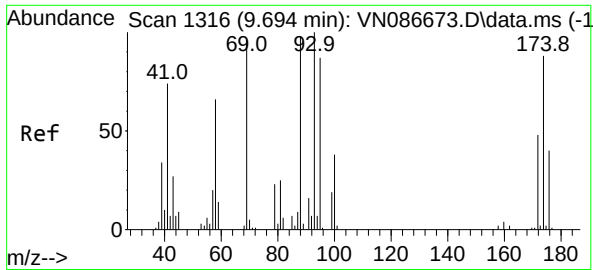
Delta R.T. -0.000 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

Tgt Ion:	41	Resp:	46327
Ion Ratio	Lower	Upper	
41	100		
69	89.3	74.1	111.1
39	51.5	44.1	66.1





#49

1,4-Dioxane

Concen: 409.001 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

Tgt Ion: 88 Resp: 18404

Ion Ratio Lower Upper

88 100

43 28.5 23.6 35.4

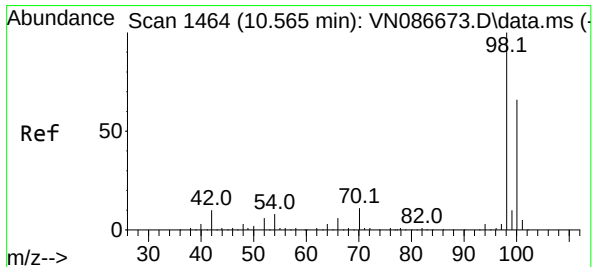
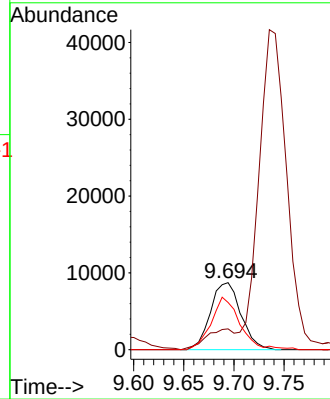
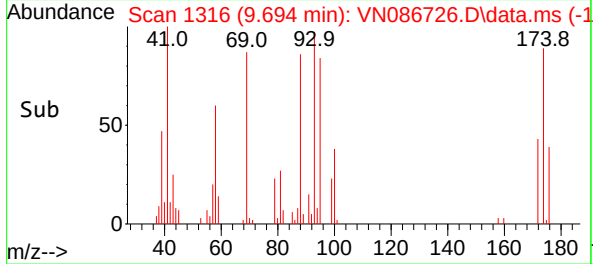
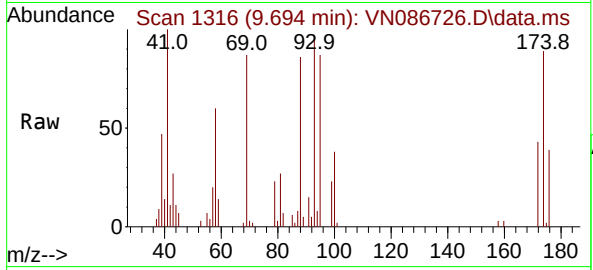
58 74.4 55.3 82.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#50

Toluene-d8

Concen: 53.113 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086726.D

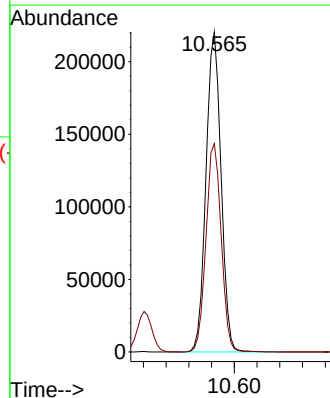
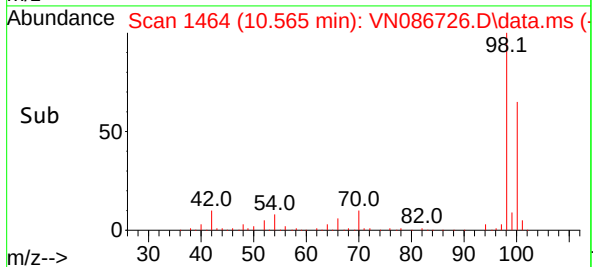
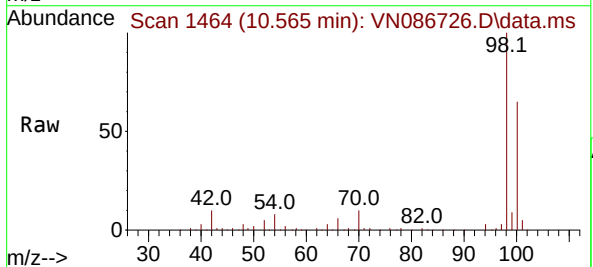
Acq: 21 May 2025 13:05

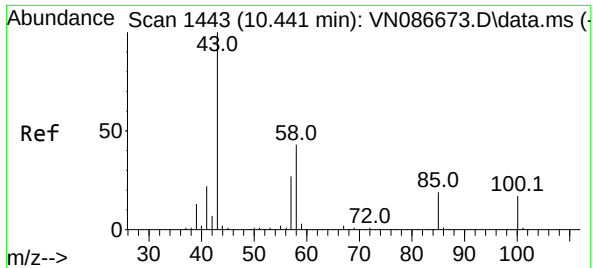
Tgt Ion: 98 Resp: 404098

Ion Ratio Lower Upper

98 100

100 65.9 52.9 79.3





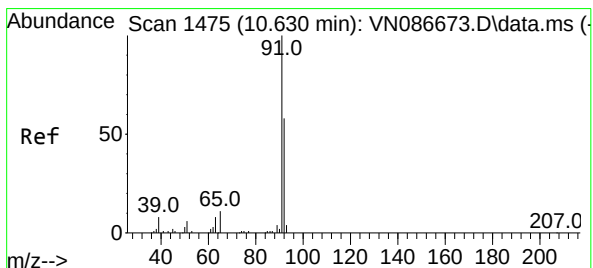
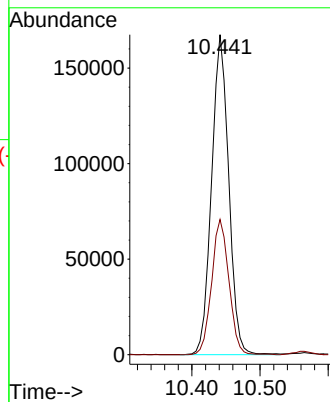
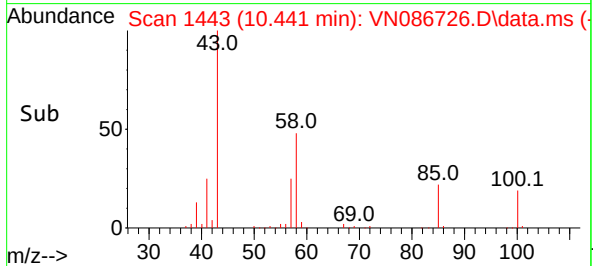
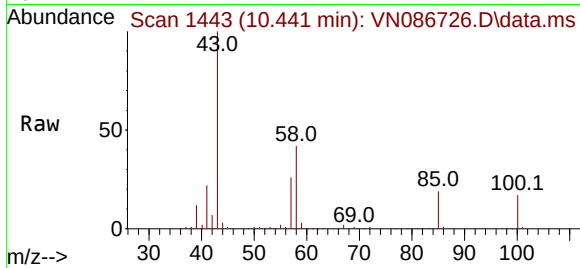
#51
4-Methyl-2-Pentanone
Concen: 105.888 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tgt Ion: 43 Resp: 292838
Ion Ratio Lower Upper
43 100
58 42.6 33.9 50.9

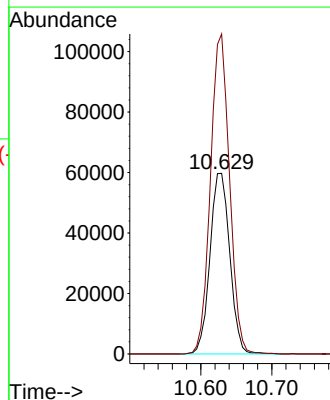
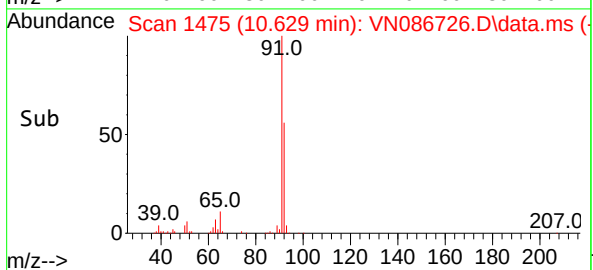
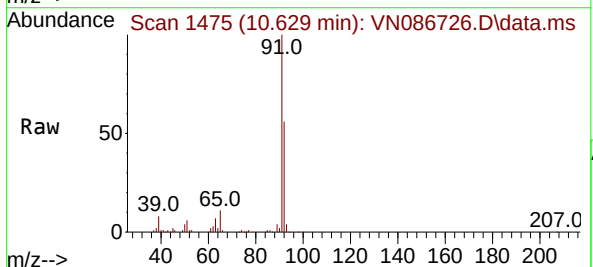
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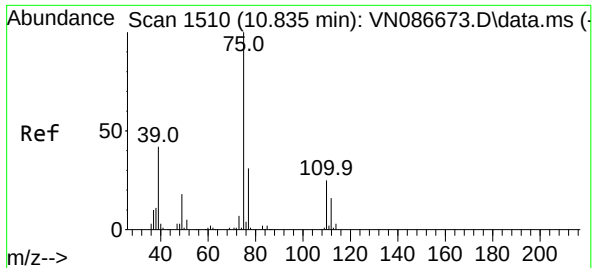
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#52
Toluene
Concen: 21.023 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Tgt Ion: 92 Resp: 115430
Ion Ratio Lower Upper
92 100
91 171.0 137.8 206.8





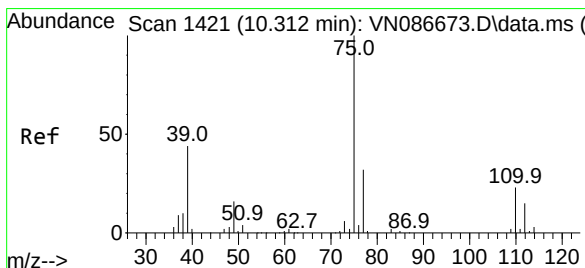
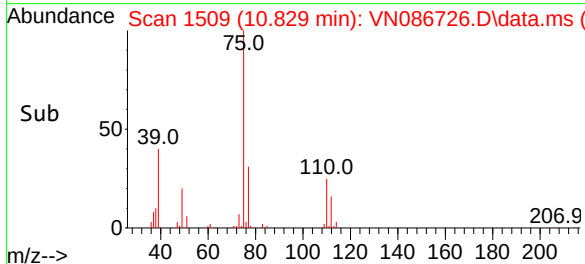
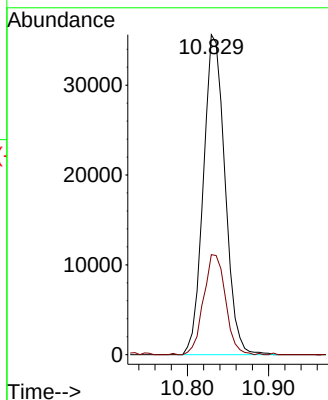
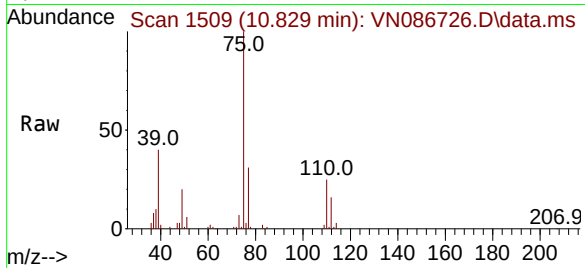
#53
t-1,3-Dichloropropene
Concen: 21.340 ug/l
RT: 10.829 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tgt Ion: 75 Resp: 6592
Ion Ratio Lower Upper
75 100
77 31.2 25.2 37.8

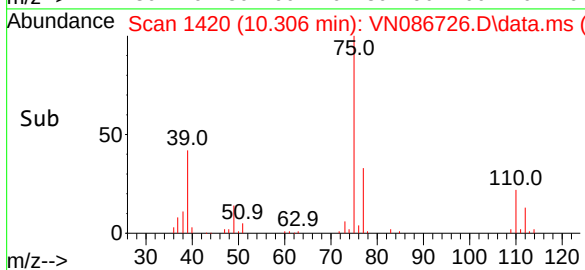
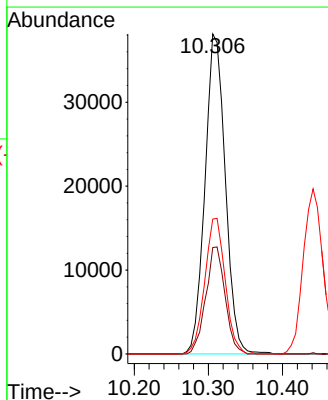
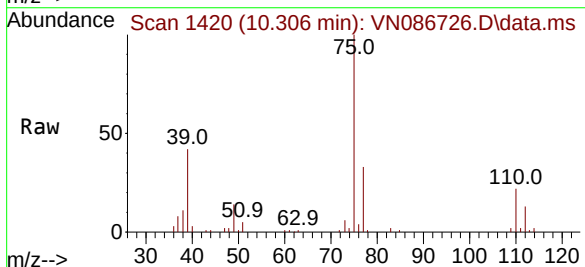
Manual Integrations
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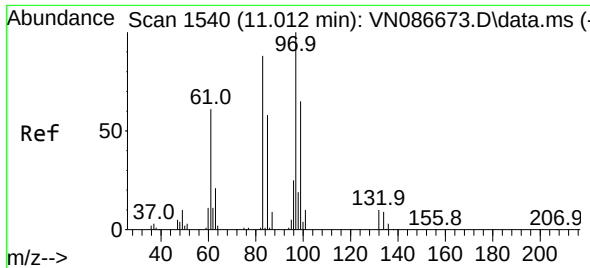
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#54
cis-1,3-Dichloropropene
Concen: 21.565 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

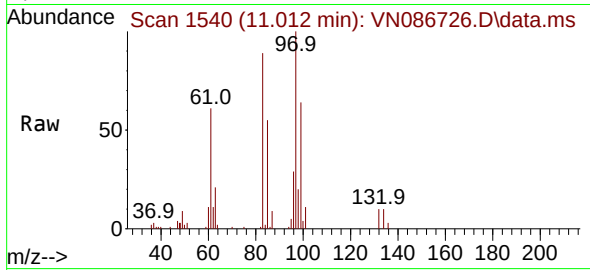
Tgt Ion: 75 Resp: 72722
Ion Ratio Lower Upper
75 100
77 33.2 25.3 37.9
39 42.1 35.2 52.8





#55
1,1,2-Trichloroethane
Concen: 21.301 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

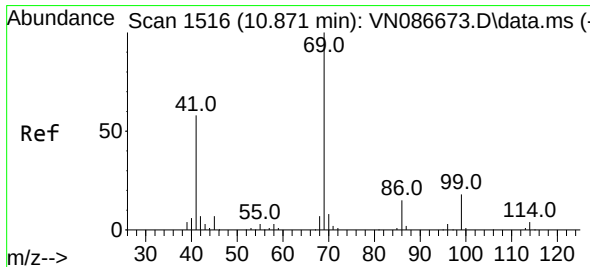
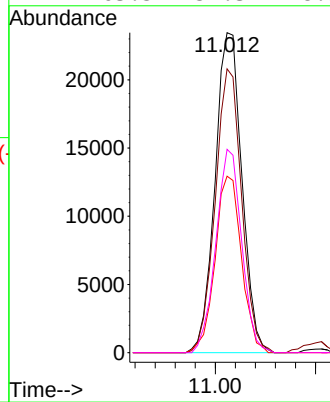
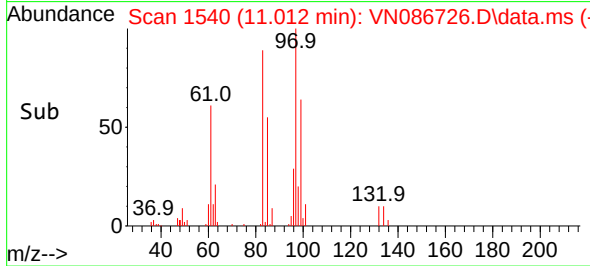
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01



Tgt Ion: 97 Resp: 43628
Ion Ratio Lower Upper
97 100
83 88.7 70.4 105.6
85 55.1 46.1 69.1
99 63.5 52.3 78.5

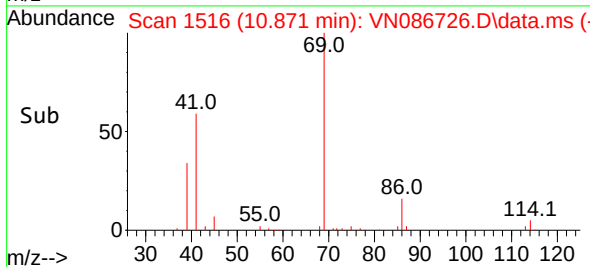
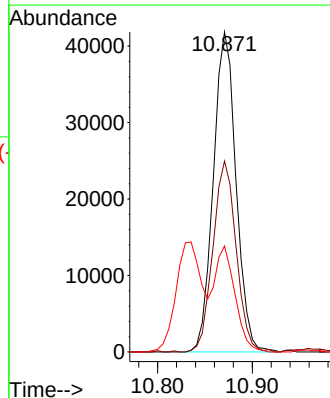
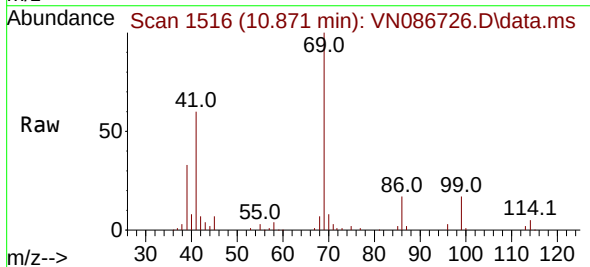
Manual Integrations
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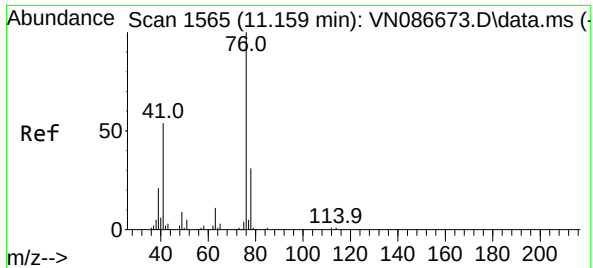
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#56
Ethyl methacrylate
Concen: 21.243 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Tgt Ion: 69 Resp: 69861
Ion Ratio Lower Upper
69 100
41 60.9 47.4 71.0
39 30.0 24.0 36.0





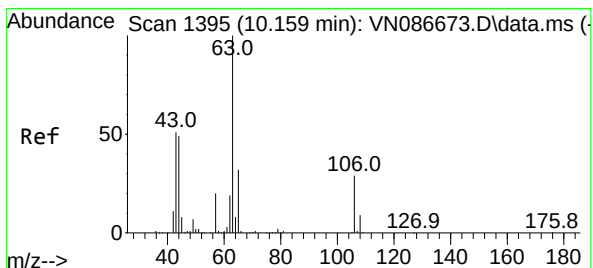
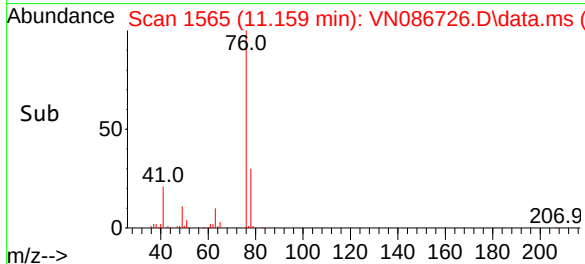
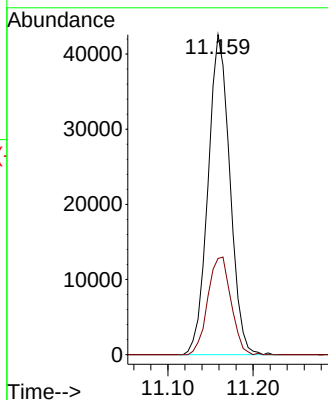
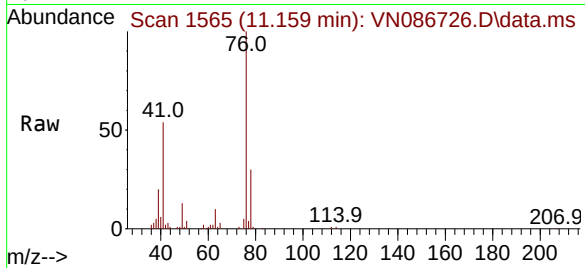
#57
1,3-Dichloropropane
Concen: 21.478 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tgt Ion: 76 Resp: 7578
Ion Ratio Lower Upper
76 100
78 32.4 25.8 38.8

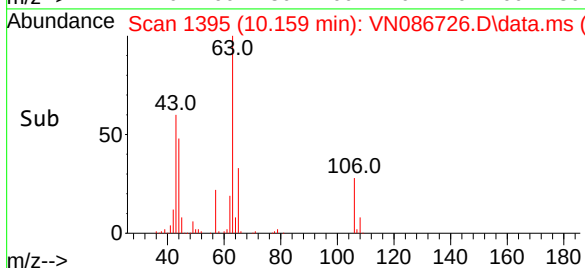
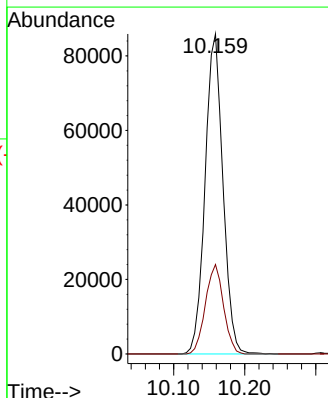
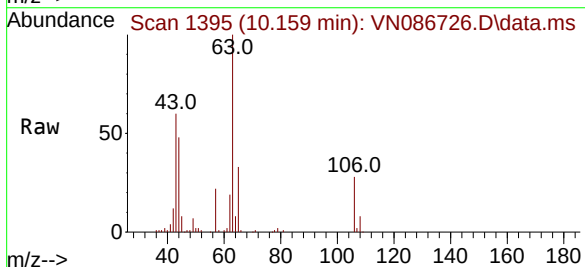
Manual Integrations
APPROVED

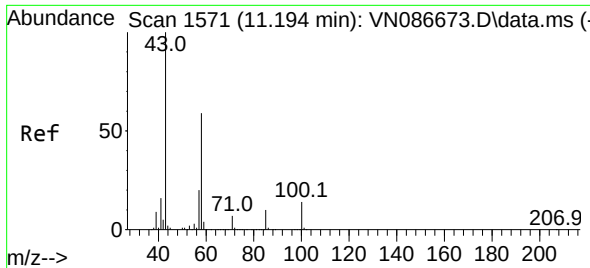
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#58
2-Chloroethyl Vinyl ether
Concen: 101.909 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

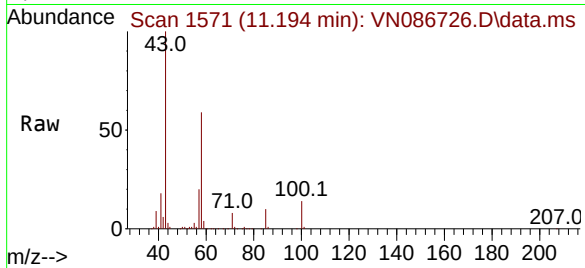
Tgt Ion: 63 Resp: 149782
Ion Ratio Lower Upper
63 100
106 28.3 23.1 34.7





#59
2-Hexanone
Concen: 106.178 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

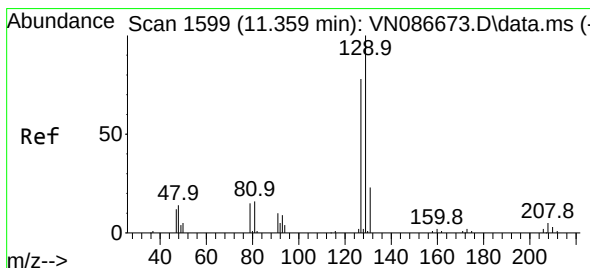
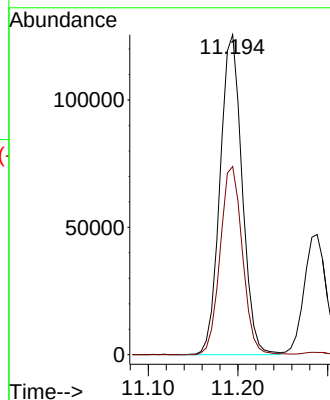
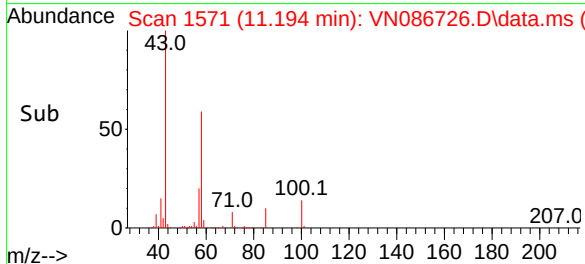
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01



Tgt Ion: 43 Resp: 214432
Ion Ratio Lower Upper
43 100
58 59.4 29.8 89.5

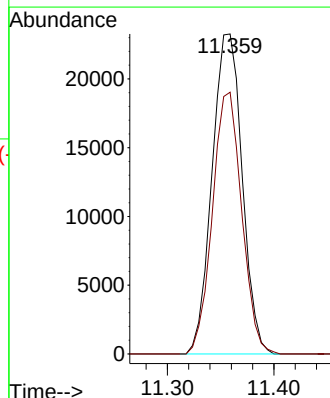
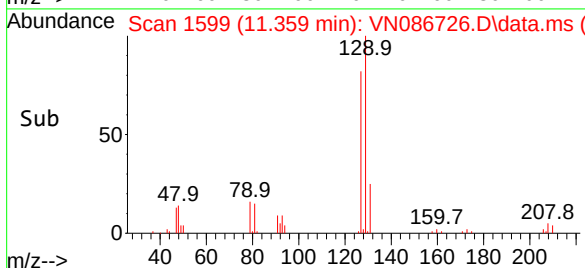
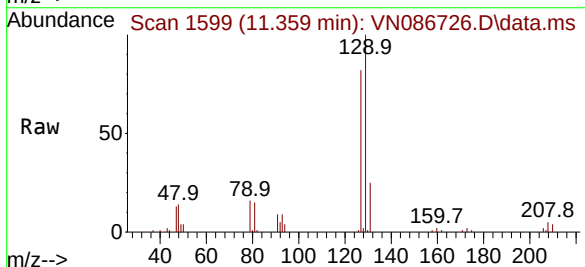
Manual Integrations
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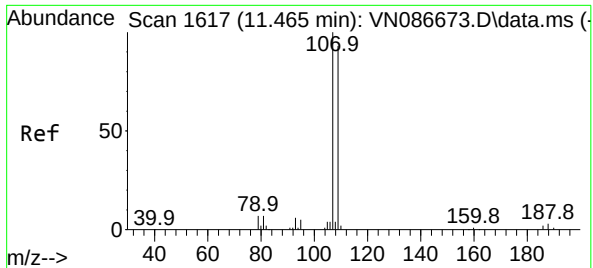
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#60
Dibromochloromethane
Concen: 21.279 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Tgt Ion:129 Resp: 45677
Ion Ratio Lower Upper
129 100
127 79.5 39.5 118.3





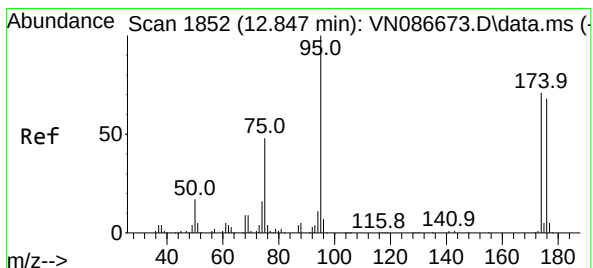
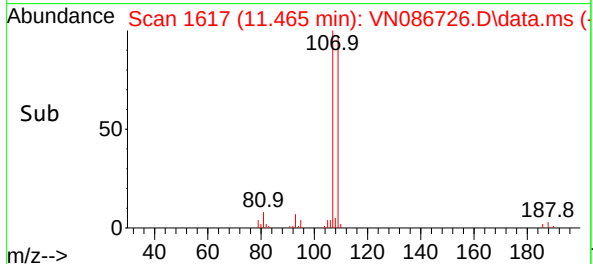
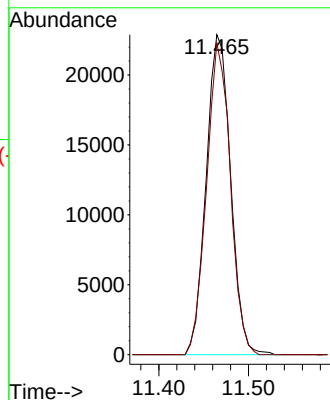
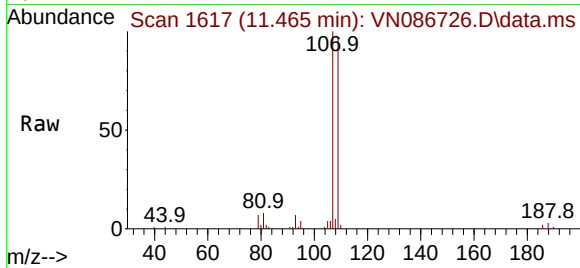
#61
1,2-Dibromoethane
Concen: 21.047 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tgt Ion:107 Resp: 43320
Ion Ratio Lower Upper
107 100
109 94.8 75.0 112.4

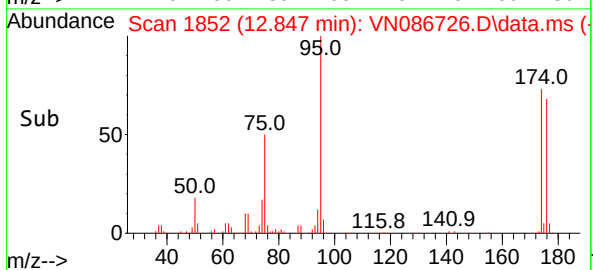
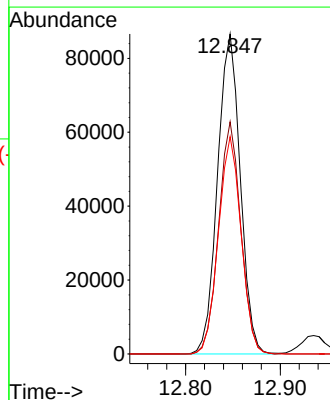
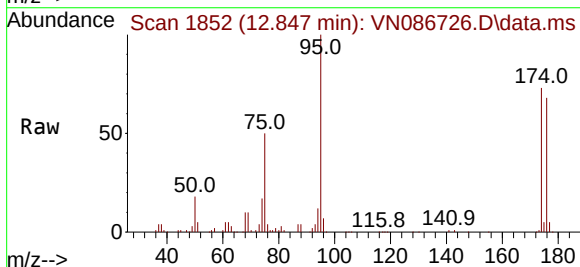
Manual Integrations
APPROVED

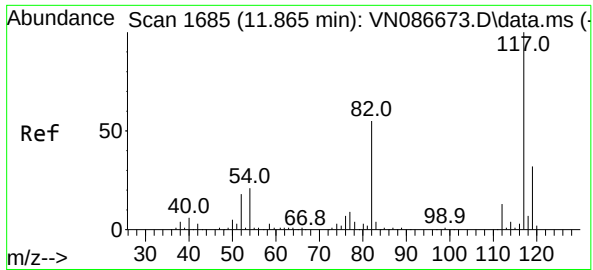
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#62
4-Bromofluorobenzene
Concen: 53.844 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Tgt Ion: 95 Resp: 144648
Ion Ratio Lower Upper
95 100
174 70.7 0.0 145.4
176 67.6 0.0 137.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

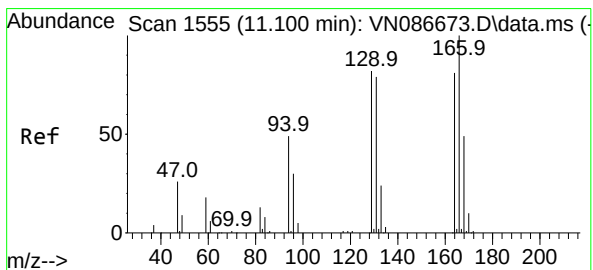
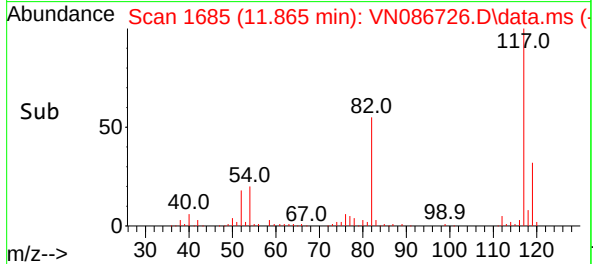
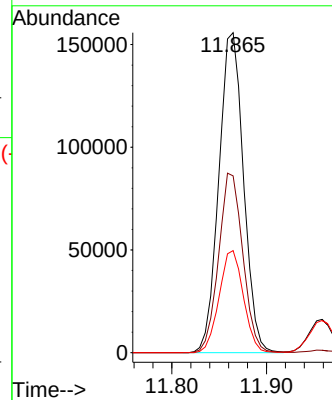
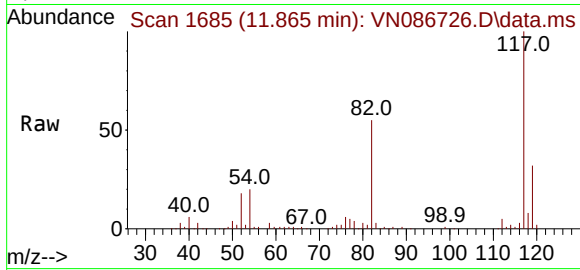
Tgt Ion:	117	Resp:	282384
Ion Ratio	100	Lower	44.2
Upper	66.2	Lower	25.4
Upper	38.2	Upper	

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#64

Tetrachloroethene

Concen: 20.903 ug/l

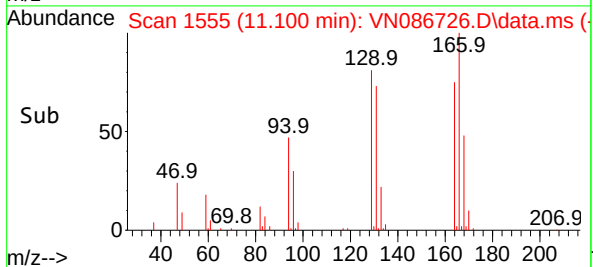
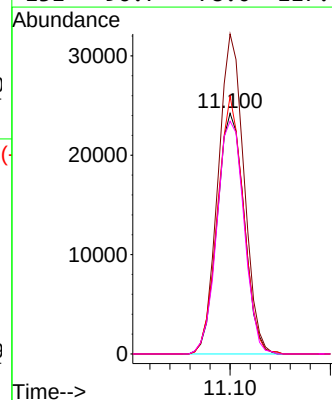
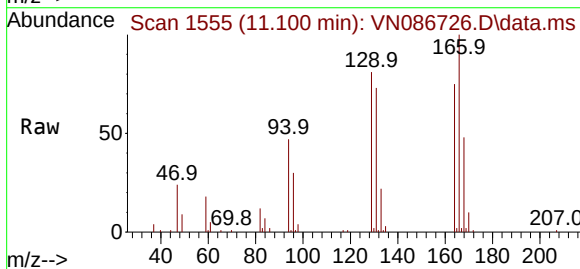
RT: 11.100 min Scan# 1555

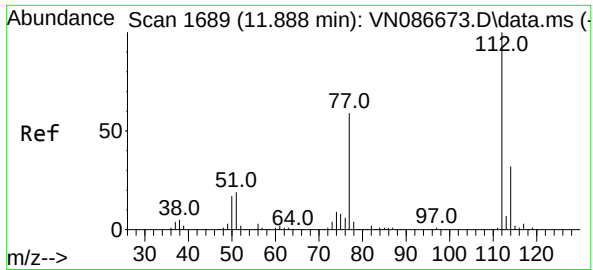
Delta R.T. -0.000 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

Tgt Ion:	164	Resp:	45217
Ion Ratio	100	Lower	98.2
Upper	147.4	Lower	81.0
Upper	121.4	Upper	





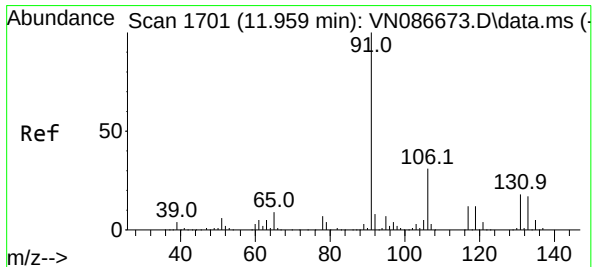
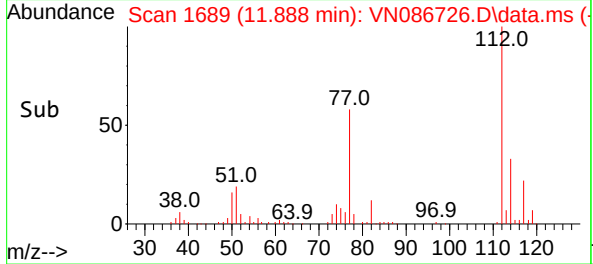
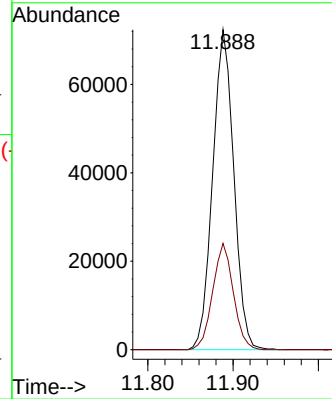
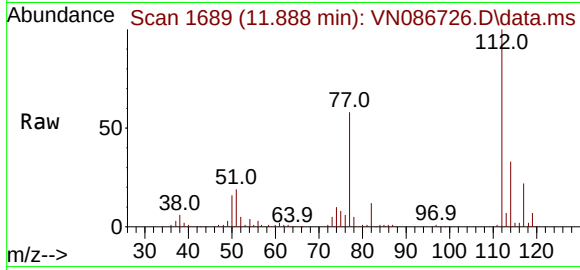
#65
Chlorobenzene
Concen: 20.128 ug/l
RT: 11.888 min Scan# 112
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tgt Ion:112 Resp: 12463
Ion Ratio Lower Upper
112 100
114 33.2 25.9 38.9

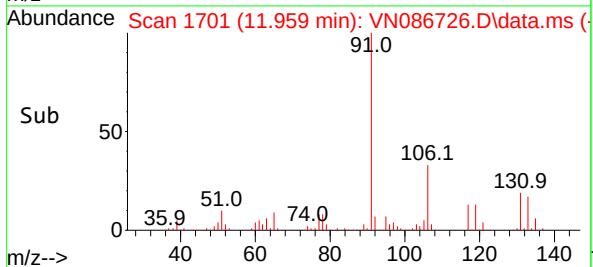
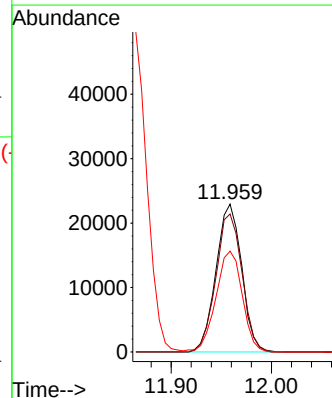
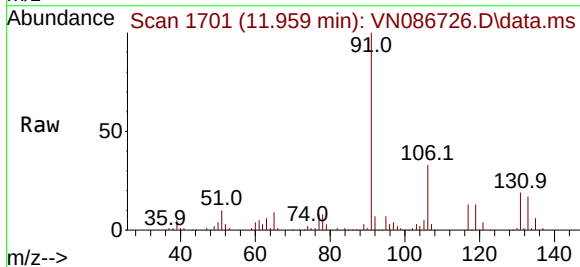
Manual Integrations
APPROVED

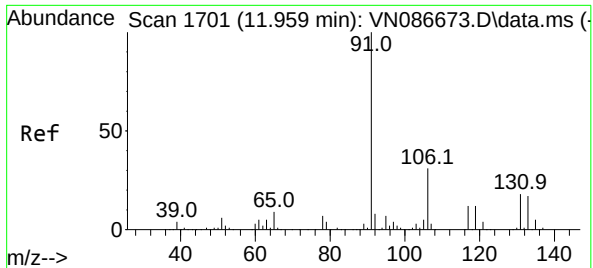
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 20.406 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

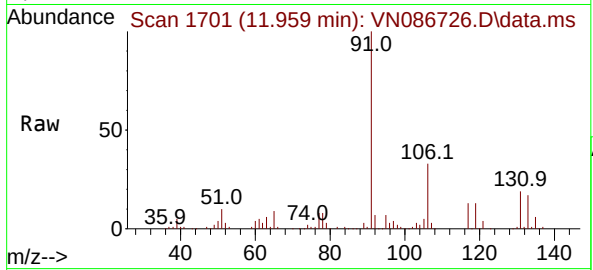
Tgt Ion:131 Resp: 40791
Ion Ratio Lower Upper
131 100
133 95.3 47.9 143.7
119 69.9 33.6 100.8





#67
Ethyl Benzene
Concen: 19.987 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

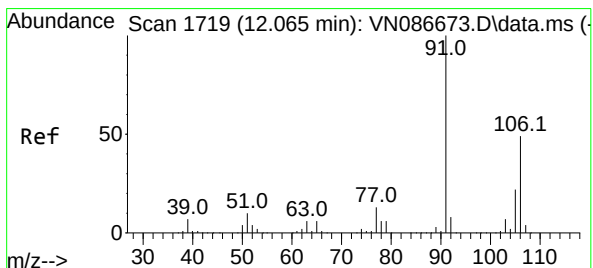
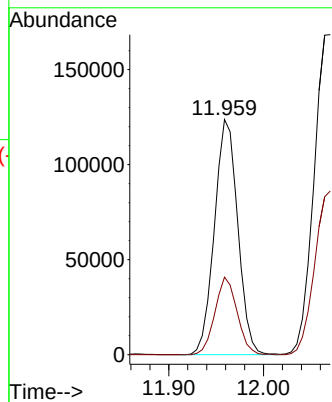
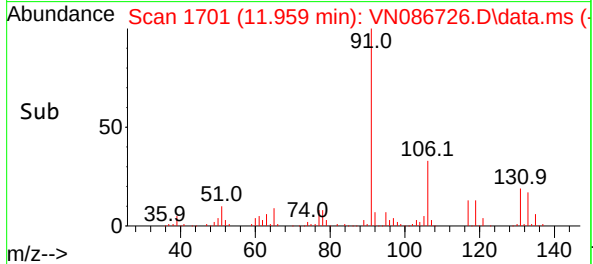
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01



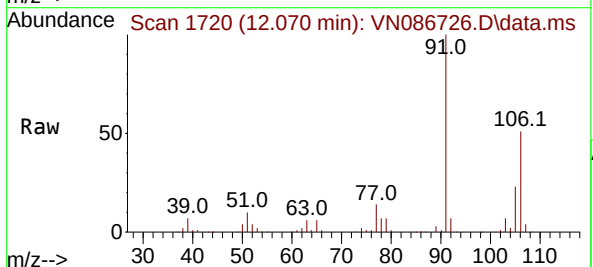
Tgt Ion: 91 Resp: 211990
Ion Ratio Lower Upper
91 100
106 33.0 24.6 36.8

Manual Integrations
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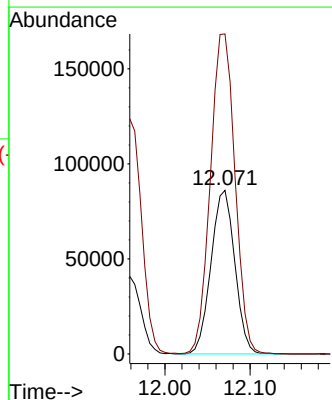
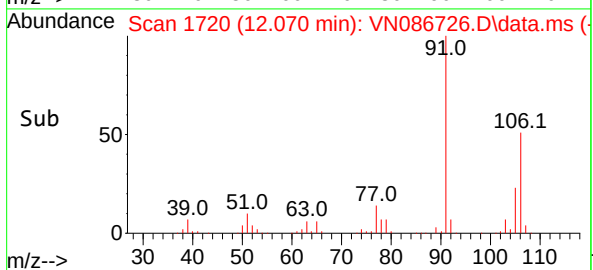
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

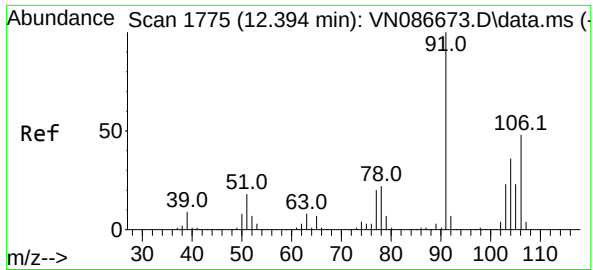


#68
m/p-Xylenes
Concen: 41.600 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05



Tgt Ion:106 Resp: 167118
Ion Ratio Lower Upper
106 100
91 202.4 162.4 243.6





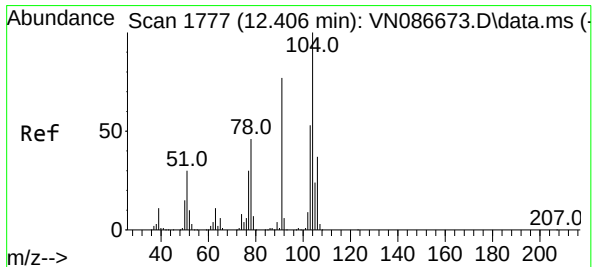
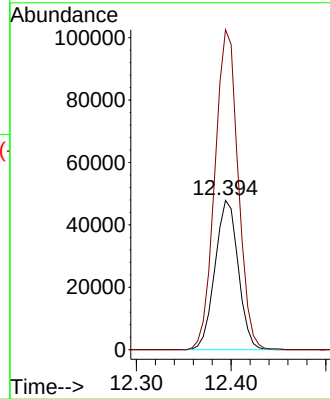
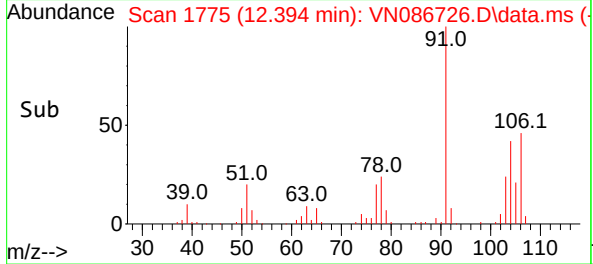
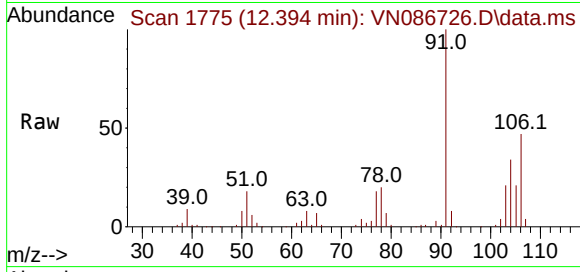
#69
o-Xylene
Concen: 20.420 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tgt Ion:106 Resp: 8155
Ion Ratio Lower Upper
106 100
91 215.1 105.1 315.1

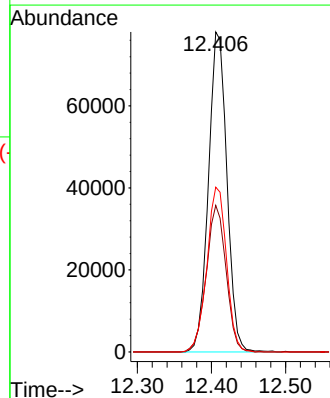
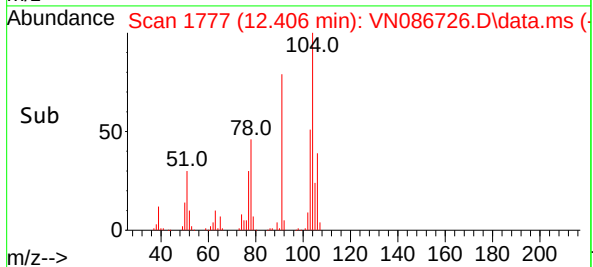
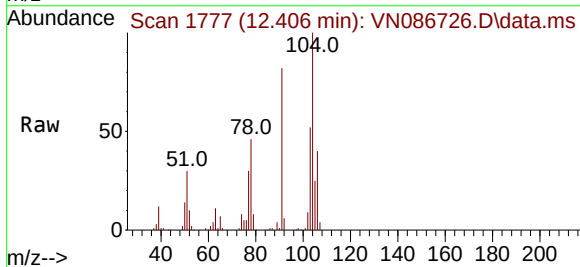
Manual Integrations
APPROVED

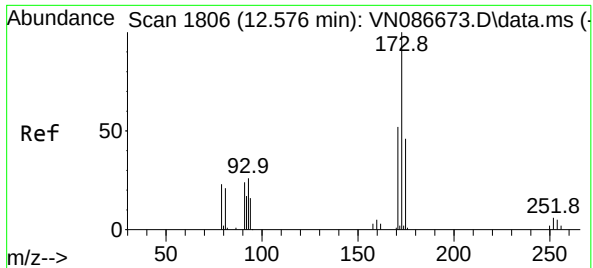
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#70
Styrene
Concen: 20.635 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Tgt Ion:104 Resp: 134928
Ion Ratio Lower Upper
104 100
78 49.1 39.0 58.6
103 54.9 43.8 65.8





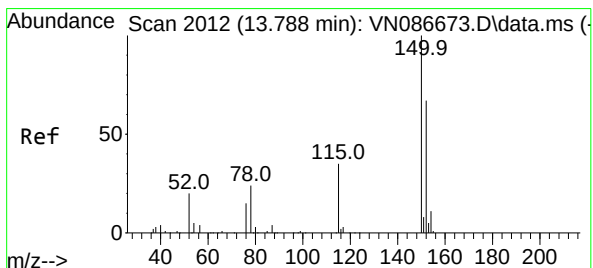
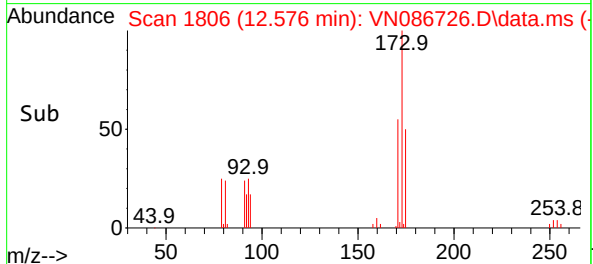
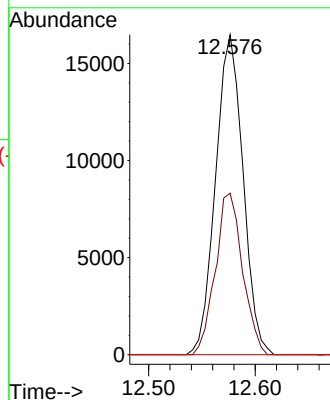
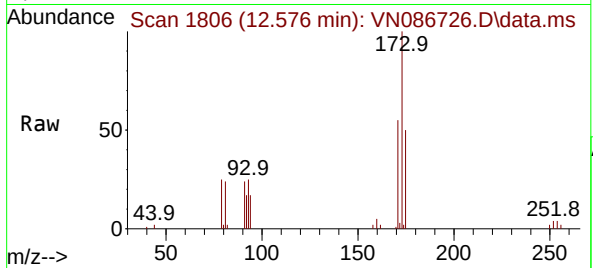
#71
Bromoform
Concen: 20.737 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tgt Ion:173 Resp: 2948
Ion Ratio Lower Upper
173 100
175 50.0 23.4 70.2
254 0.0 0.0 0.0

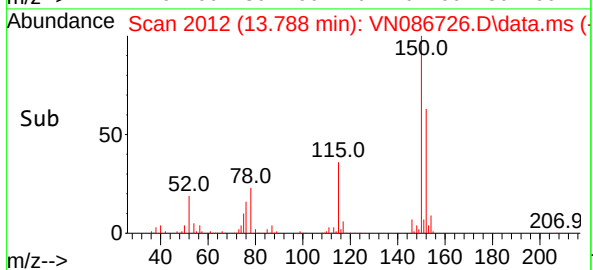
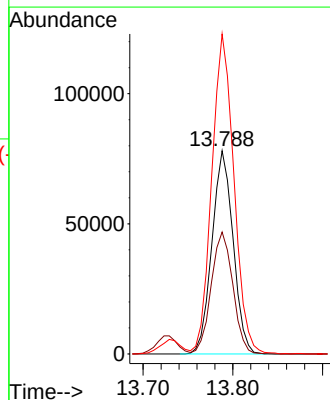
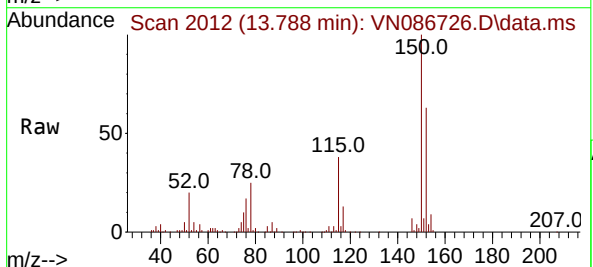
Manual Integrations
APPROVED

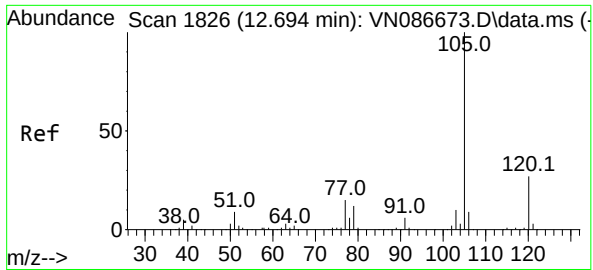
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Tgt Ion:152 Resp: 127830
Ion Ratio Lower Upper
152 100
115 61.3 30.0 90.1
150 164.8 0.0 347.8





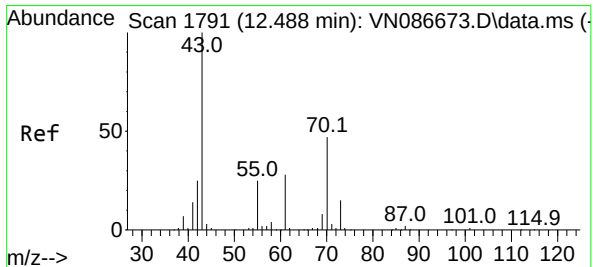
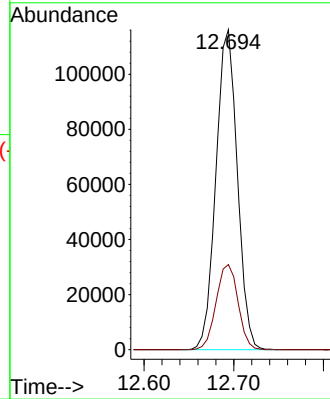
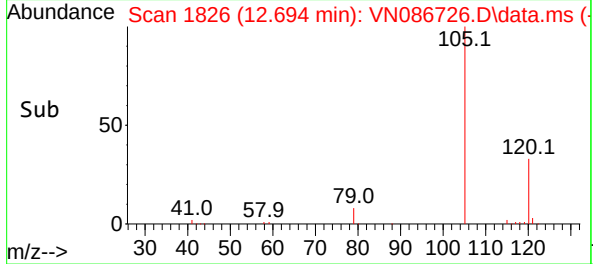
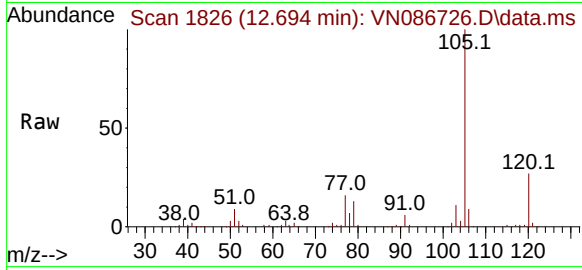
#73
Isopropylbenzene
Concen: 19.452 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tgt Ion:105 Resp: 19204
Ion Ratio Lower Upper
105 100
120 27.2 13.4 40.1

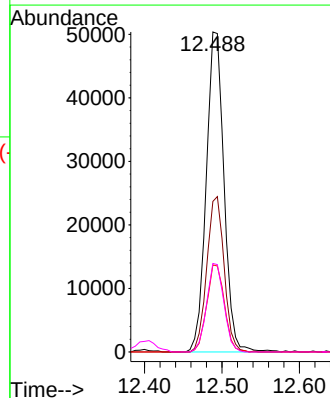
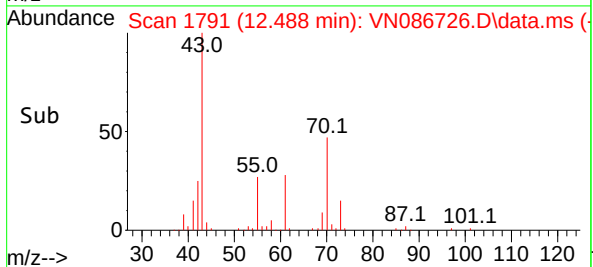
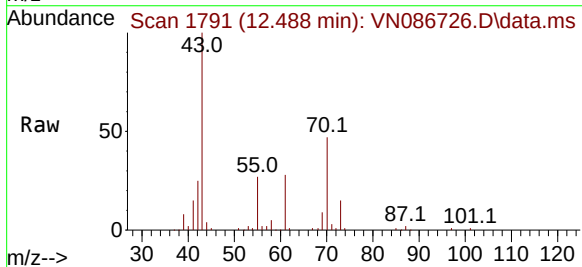
Manual Integrations
APPROVED

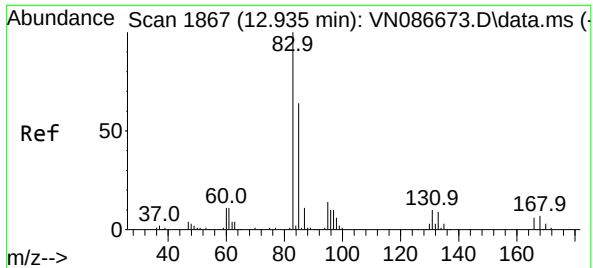
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#74
N-ethyl acetate
Concen: 19.460 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

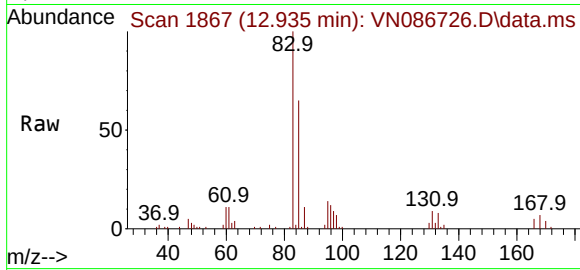
Tgt Ion: 43 Resp: 80271
Ion Ratio Lower Upper
43 100
70 47.3 37.9 56.9
55 27.0 20.5 30.7
61 26.8 21.7 32.5





#75
1,1,2,2-Tetrachloroethane
Concen: 20.033 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

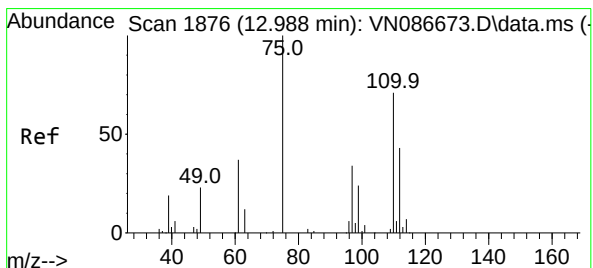
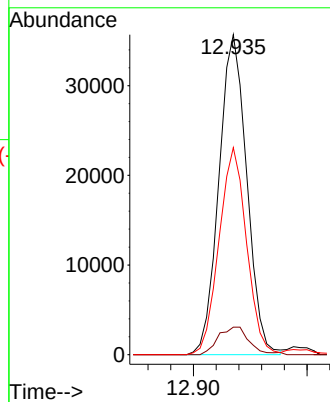
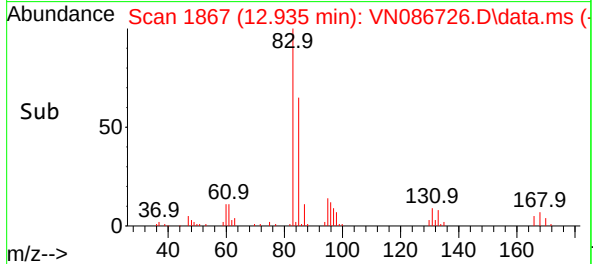
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01



Tgt Ion: 83 Resp: 6076
Ion Ratio Lower Upper
83 100
131 9.6 5.0 15.0
85 63.9 32.4 97.2

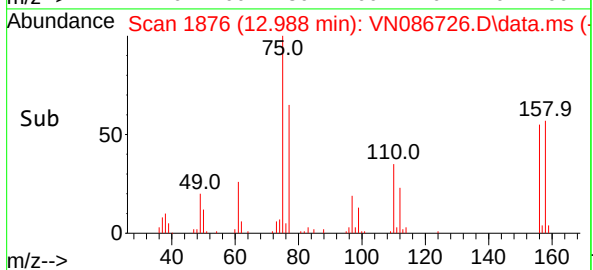
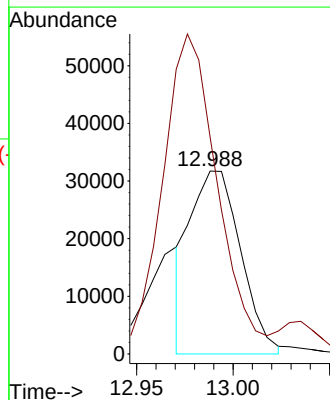
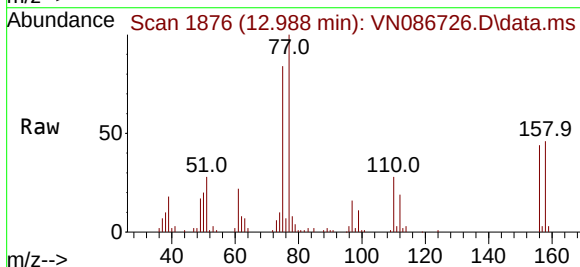
Manual Integrations
APPROVED

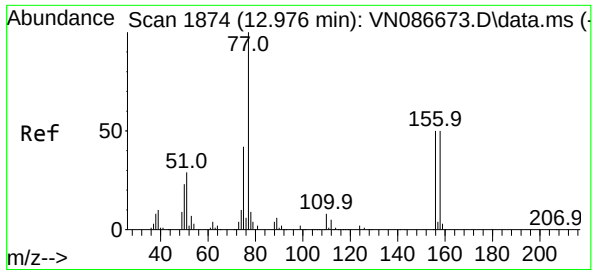
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#76
1,2,3-Trichloropropane
Concen: 20.042 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Tgt Ion: 75 Resp: 57940
Ion Ratio Lower Upper
75 100
77 190.7 96.0 288.1





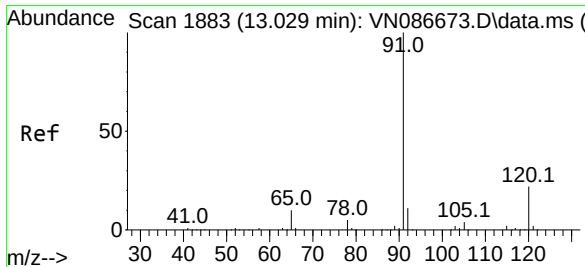
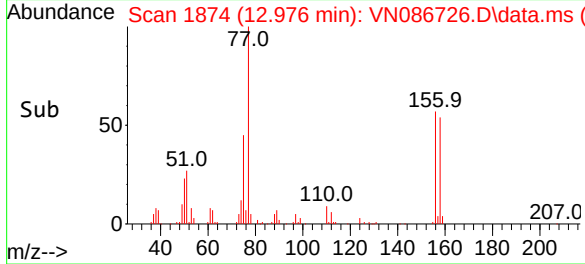
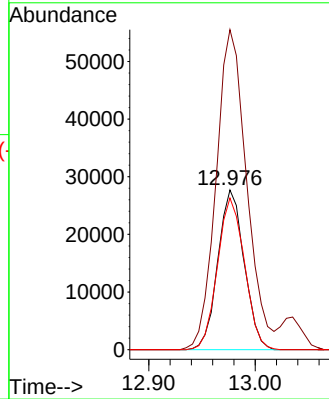
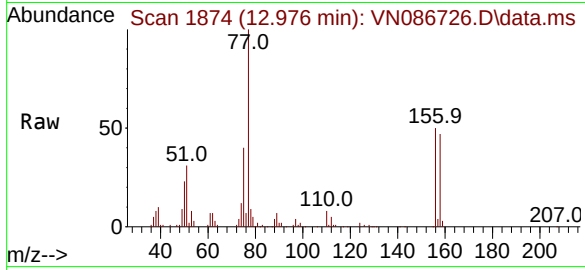
#77
Bromobenzene
Concen: 19.150 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tgt Ion:156 Resp: 47560
Ion Ratio Lower Upper
156 100
77 232.3 113.1 339.2
158 97.4 48.6 145.9

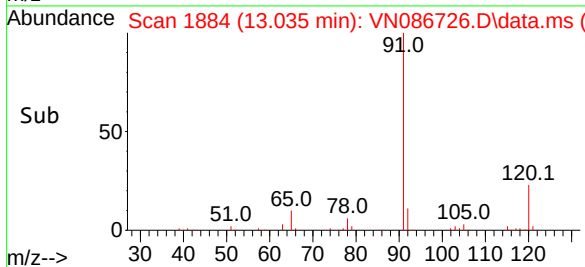
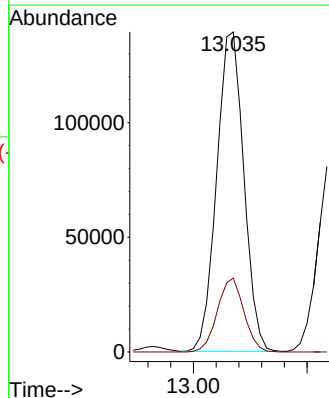
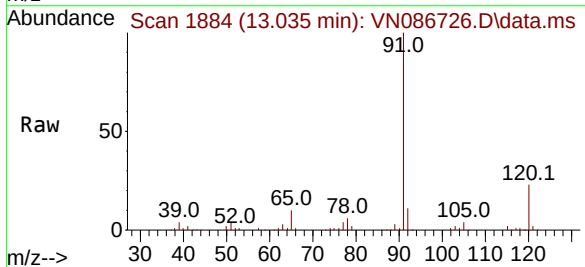
Manual Integrations
APPROVED

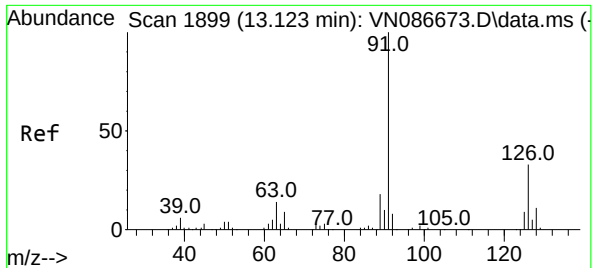
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#78
n-propylbenzene
Concen: 20.401 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Tgt Ion: 91 Resp: 231142
Ion Ratio Lower Upper
91 100
120 22.5 11.4 34.1





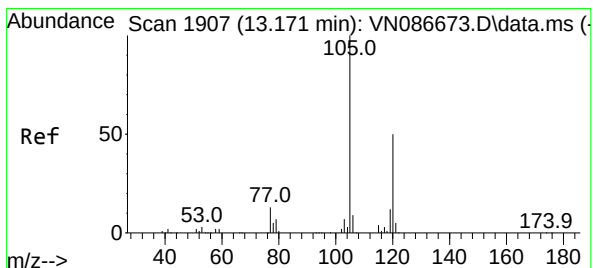
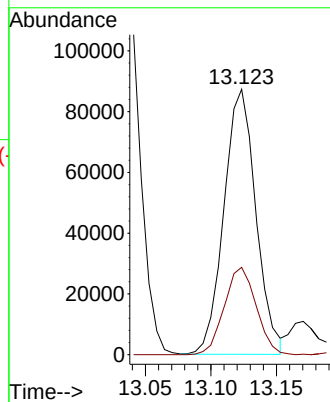
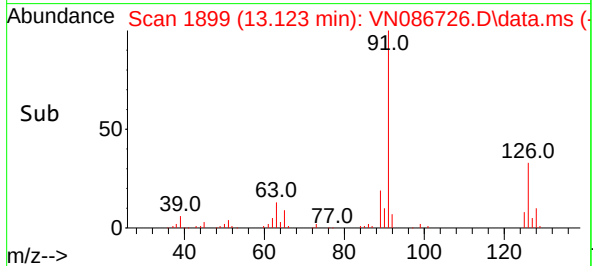
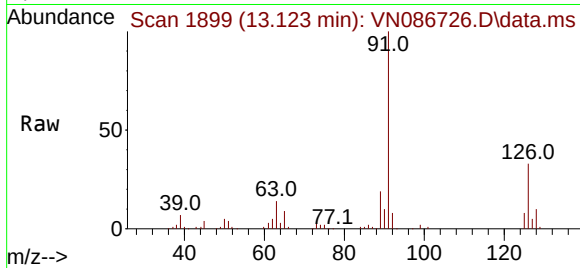
#79
2-Chlorotoluene
Concen: 20.098 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tgt Ion: 91 Resp: 14805
Ion Ratio Lower Upper
91 100
126 32.9 16.6 49.7

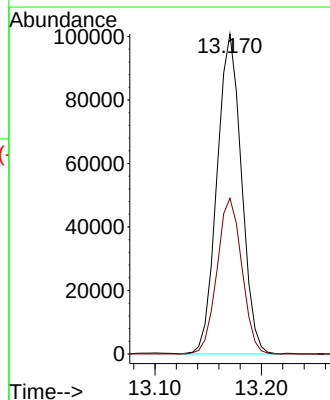
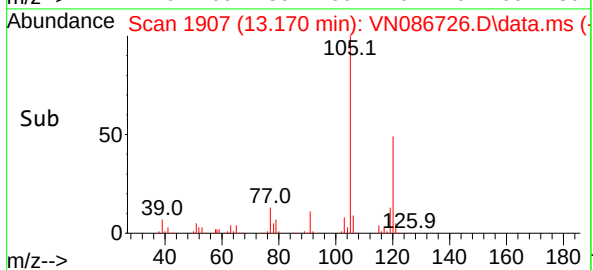
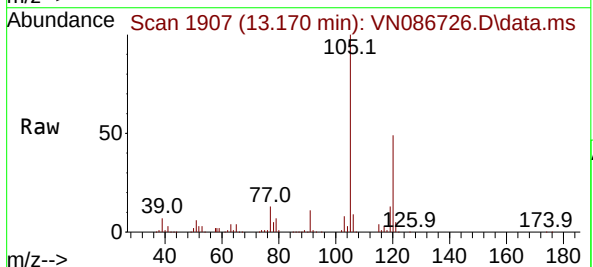
Manual Integrations
APPROVED

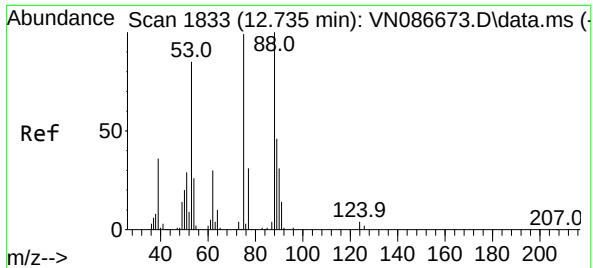
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#80
1,3,5-Trimethylbenzene
Concen: 20.312 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

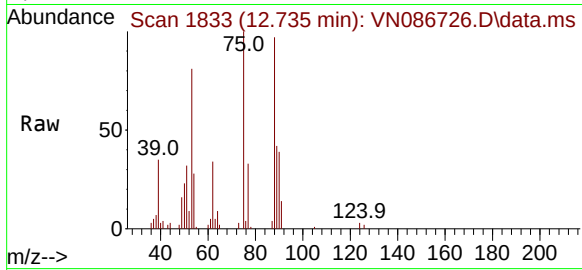
Tgt Ion:105 Resp: 160663
Ion Ratio Lower Upper
105 100
120 49.2 24.9 74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 19.412 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

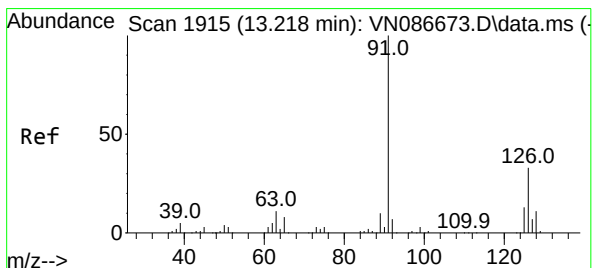
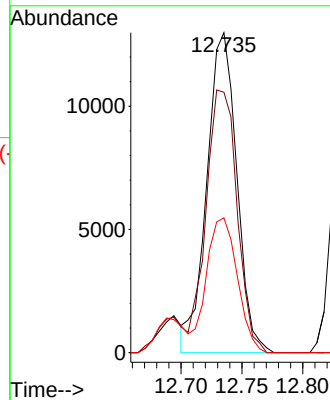
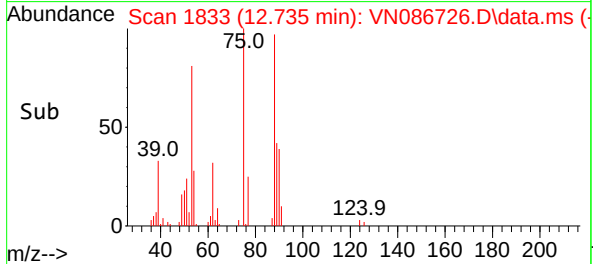
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01



Tgt Ion: 75 Resp: 22238
Ion Ratio Lower Upper
75 100
53 84.8 70.4 105.6
89 43.6 32.4 48.6

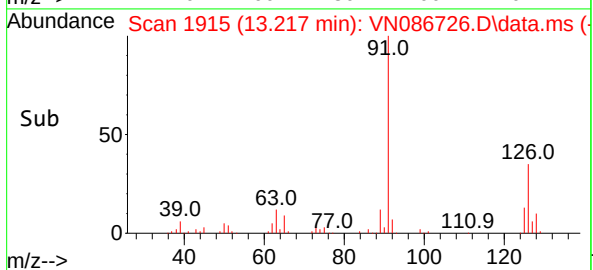
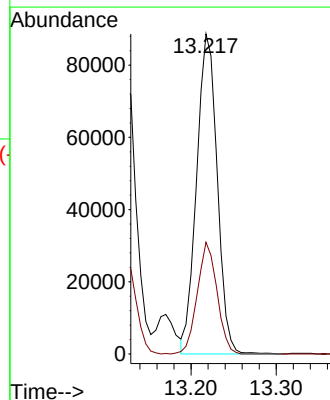
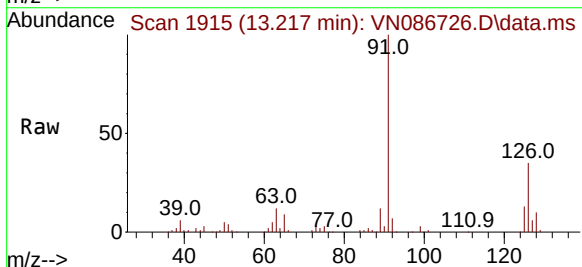
Manual Integrations
APPROVED

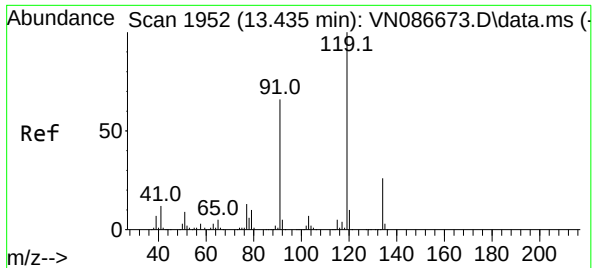
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#82
4-Chlorotoluene
Concen: 20.395 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

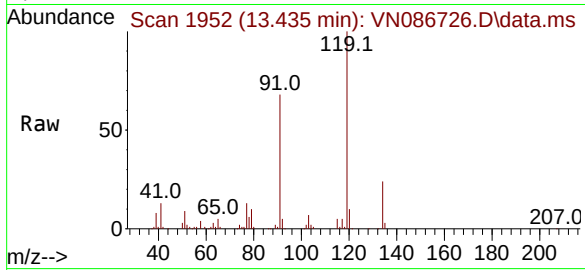
Tgt Ion: 91 Resp: 148857
Ion Ratio Lower Upper
91 100
126 33.5 17.0 50.9





#83
tert-Butylbenzene
Concen: 20.312 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

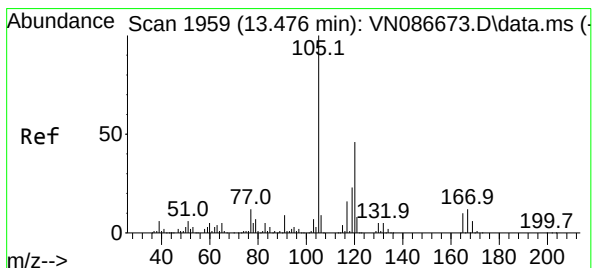
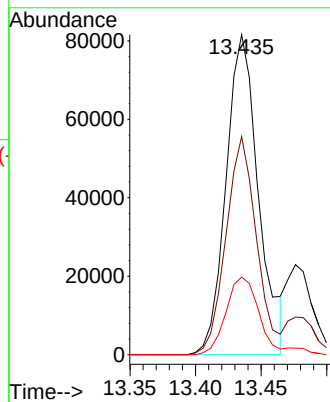
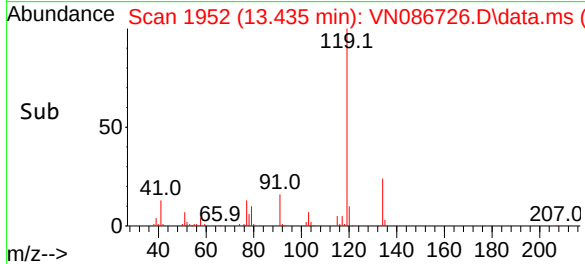
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01



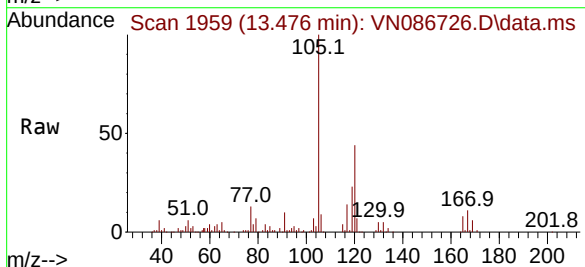
Tgt Ion:119 Resp: 140117
Ion Ratio Lower Upper
119 100
91 64.4 32.9 98.7
134 25.7 13.4 40.1

Manual Integrations
APPROVED

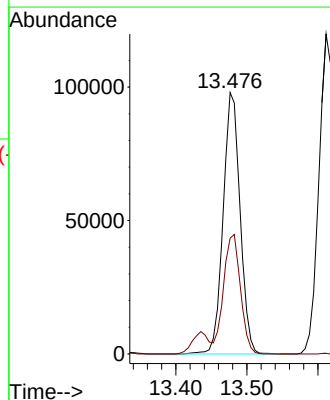
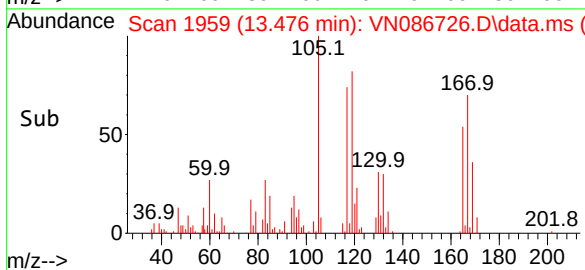
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

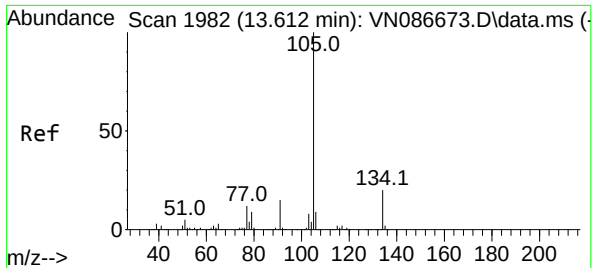


#84
1,2,4-Trimethylbenzene
Concen: 20.558 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05



Tgt Ion:105 Resp: 161931
Ion Ratio Lower Upper
105 100
120 45.4 23.2 69.6





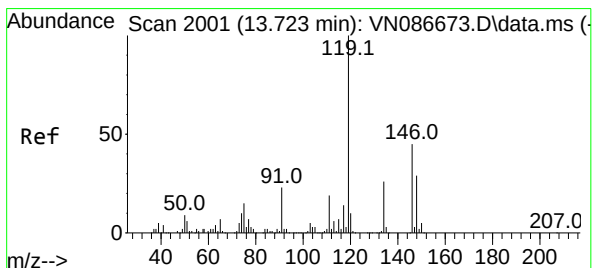
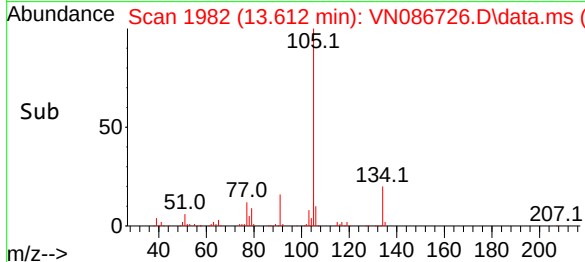
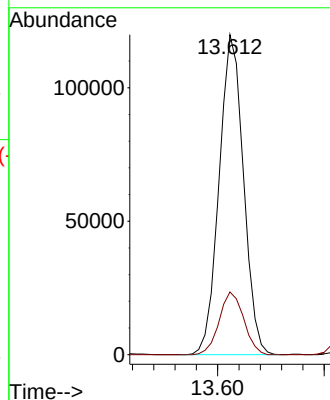
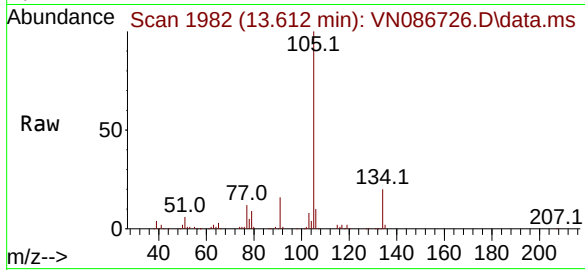
#85
 sec-Butylbenzene
 Concen: 20.554 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN086726.D
 Acq: 21 May 2025 13:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521WBS01

Tgt Ion:105 Resp: 190108
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.1 30.1

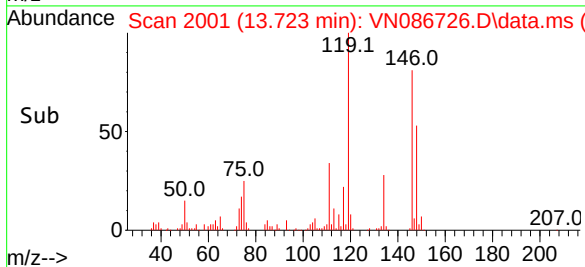
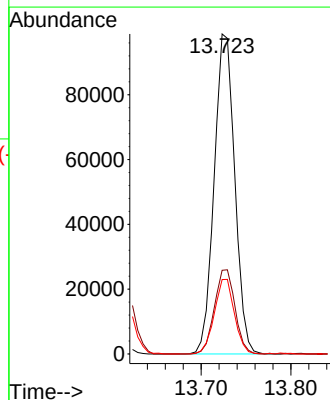
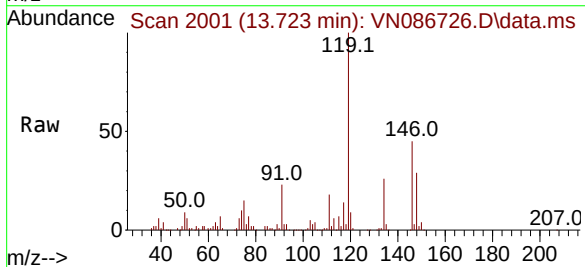
Manual Integrations
 APPROVED

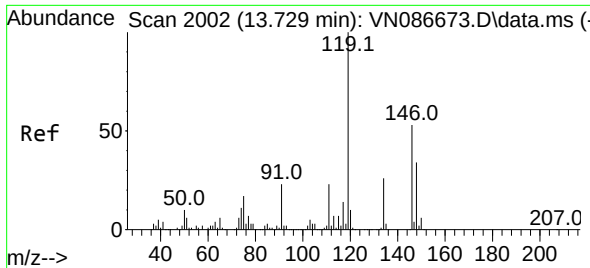
Reviewed By :John Carlone 05/22/2025
 Supervised By :Mahesh Dadoda 05/22/2025



#86
 p-Isopropyltoluene
 Concen: 20.754 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. -0.000 min
 Lab File: VN086726.D
 Acq: 21 May 2025 13:05

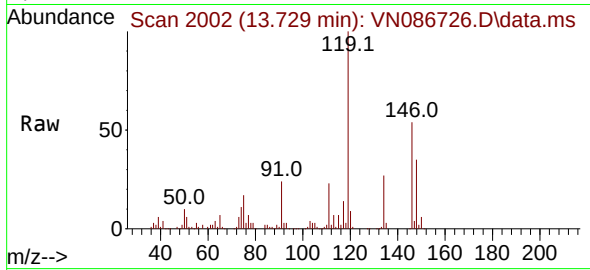
Tgt Ion:119 Resp: 157351
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.1 39.1
 91 22.8 11.5 34.5





#87
1,3-Dichlorobenzene
Concen: 20.612 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

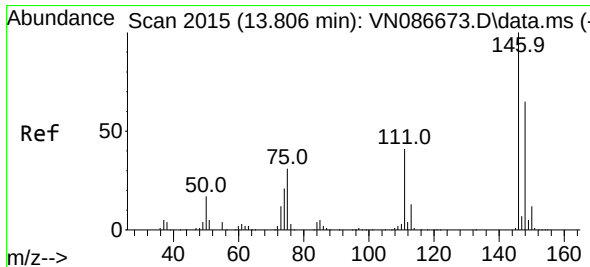
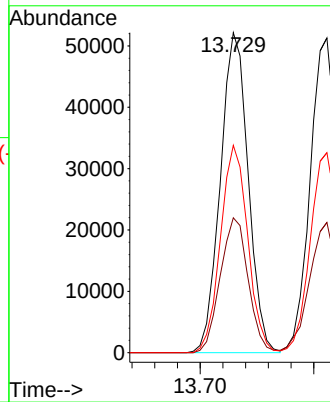
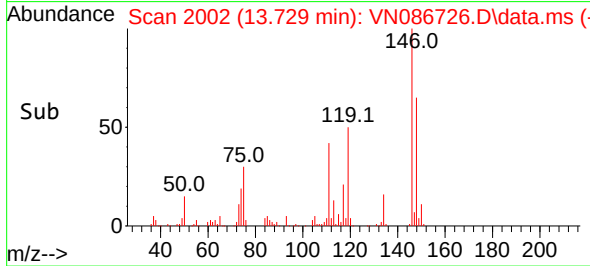
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01



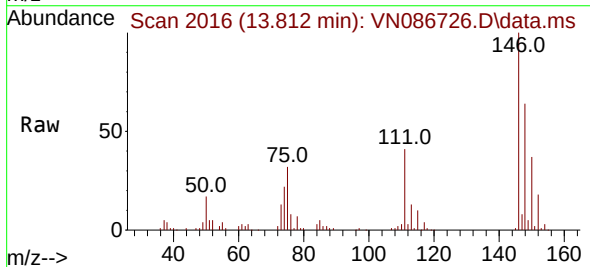
Tgt Ion:146 Resp: 8864
Ion Ratio Lower Upper
146 100
111 42.3 20.9 62.7
148 63.6 31.8 95.4

Manual Integrations
APPROVED

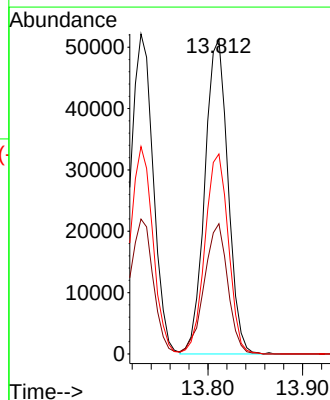
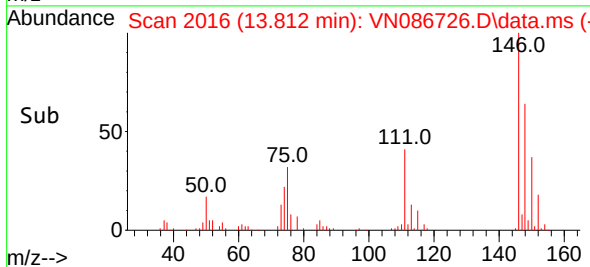
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

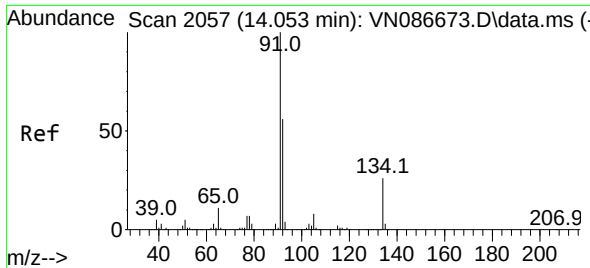


#88
1,4-Dichlorobenzene
Concen: 20.483 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.006 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05



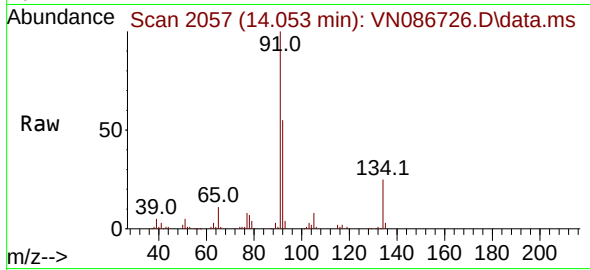
Tgt Ion:146 Resp: 87276
Ion Ratio Lower Upper
146 100
111 42.2 20.6 61.8
148 64.4 32.0 96.0





#89
n-Butylbenzene
Concen: 21.269 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

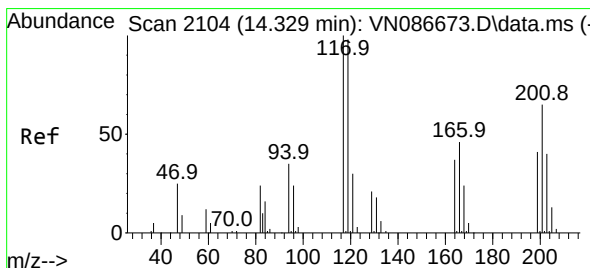
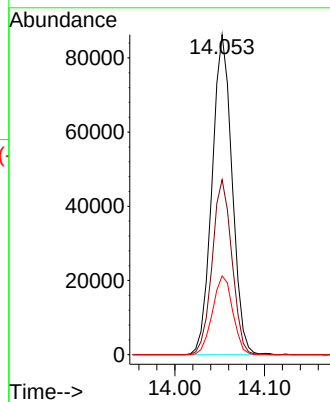
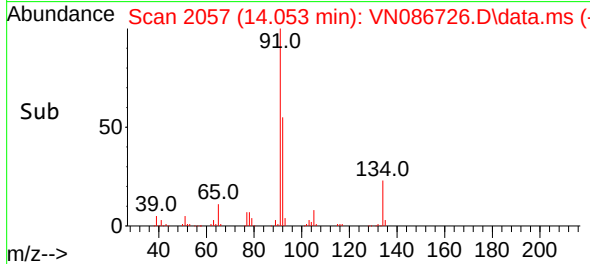
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01



Tgt Ion: 91 Resp: 13368
Ion Ratio Lower Upper
91 100
92 53.8 27.4 82.0
134 24.9 12.8 38.4

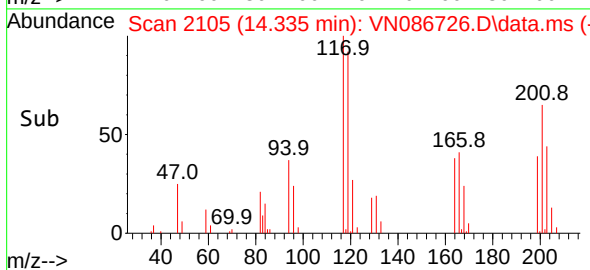
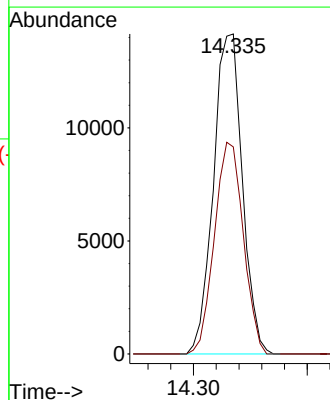
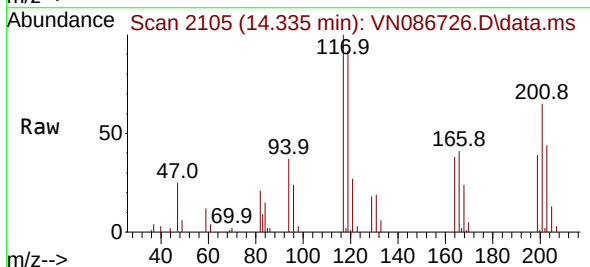
Manual Integrations
APPROVED

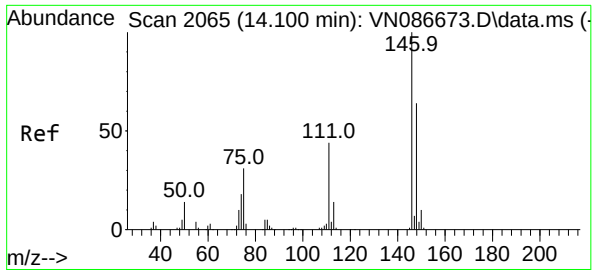
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#90
Hexachloroethane
Concen: 19.895 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Tgt Ion:117 Resp: 25027
Ion Ratio Lower Upper
117 100
201 66.0 32.0 96.0





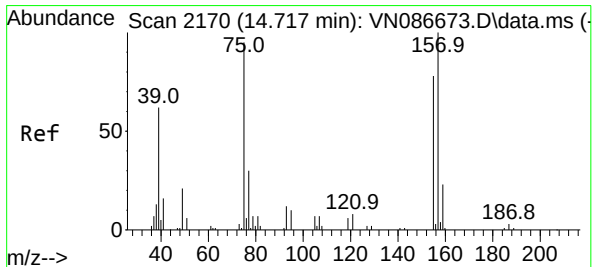
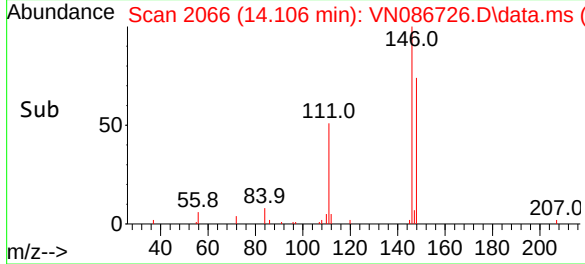
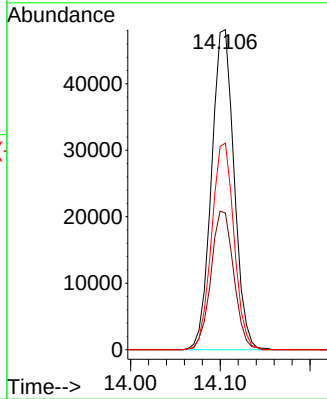
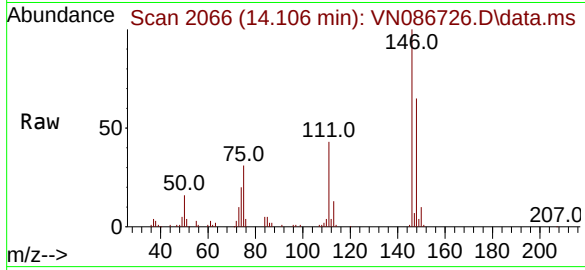
#91
1,2-Dichlorobenzene
Concen: 20.551 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBS01

Tgt Ion:146 Resp: 8406
Ion Ratio Lower Upper
146 100
111 43.8 21.6 65.0
148 64.2 31.7 95.1

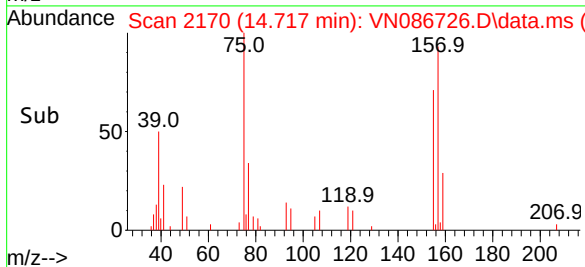
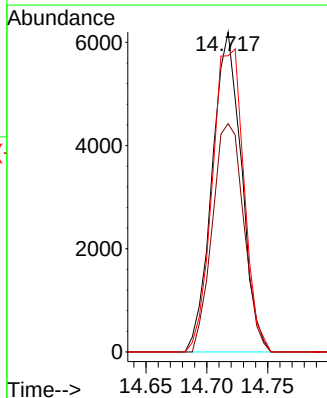
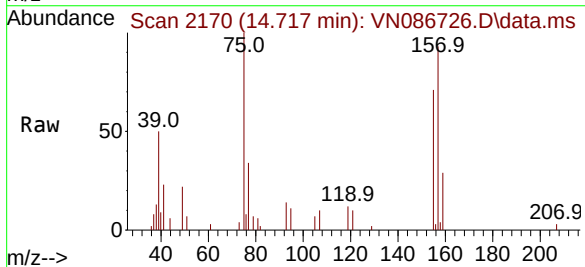
Manual Integrations
APPROVED

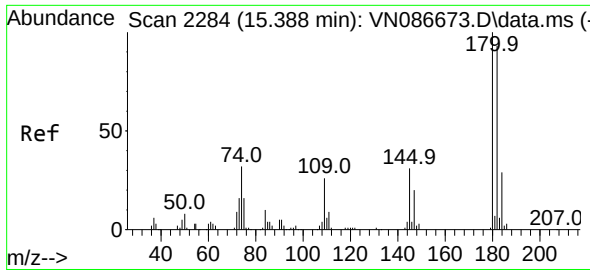
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.680 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086726.D
Acq: 21 May 2025 13:05

Tgt Ion: 75 Resp: 10391
Ion Ratio Lower Upper
75 100
155 76.3 40.5 121.5
157 102.0 53.6 160.8





#93

1,2,4-Trichlorobenzene

Concen: 20.587 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

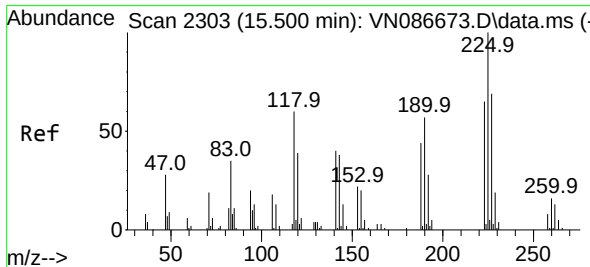
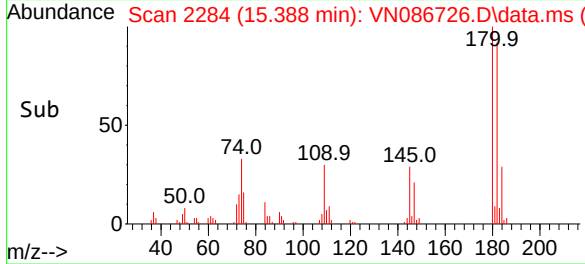
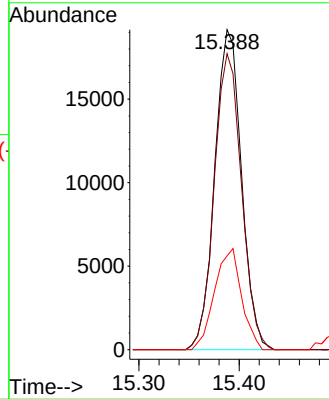
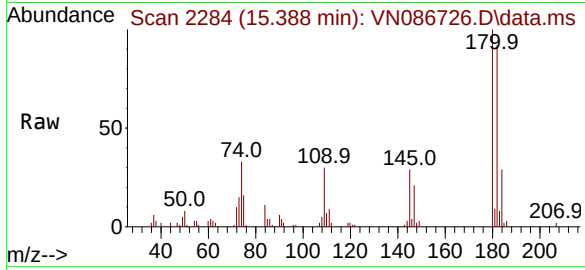
Tgt Ion:	180	Resp:	3554
Ion Ratio	Lower	Upper	
180	100		
182	94.0	47.1	141.3
145	31.8	15.6	46.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#94

Hexachlorobutadiene

Concen: 20.663 ug/l

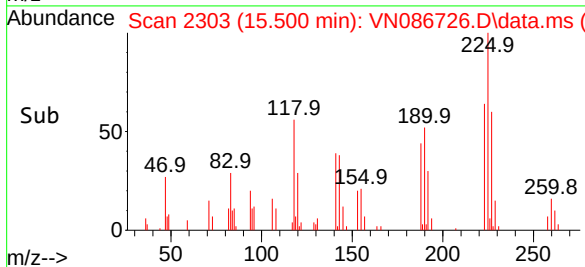
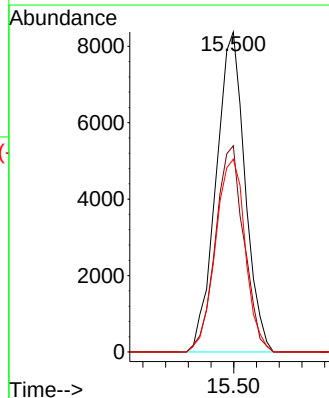
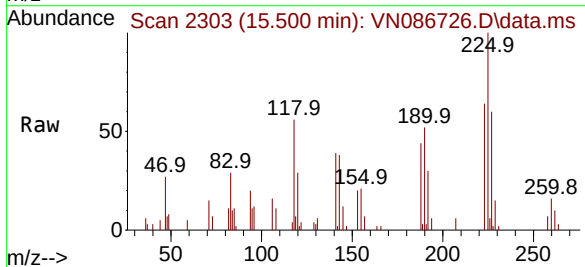
RT: 15.500 min Scan# 2303

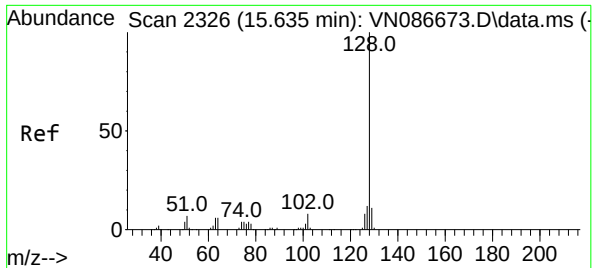
Delta R.T. -0.000 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

Tgt Ion:	225	Resp:	14802
Ion Ratio	Lower	Upper	
225	100		
223	63.6	32.9	98.6
227	62.1	32.4	97.2





#95

Naphthalene

Concen: 19.558 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBS01

Tgt Ion:128 Resp: 11725

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

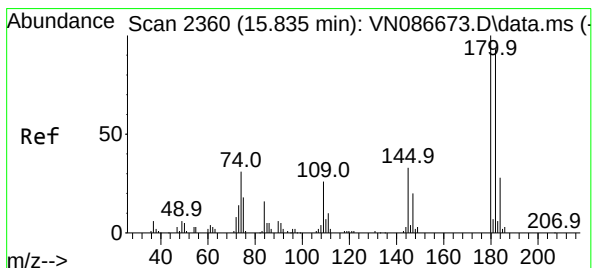
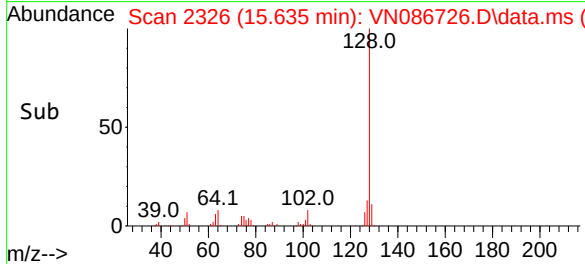
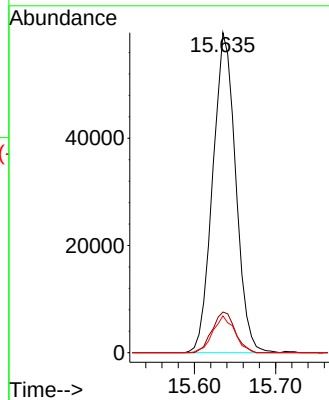
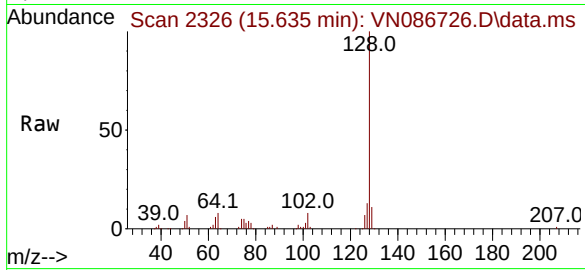
129 11.0 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#96

1,2,3-Trichlorobenzene

Concen: 20.517 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VN086726.D

Acq: 21 May 2025 13:05

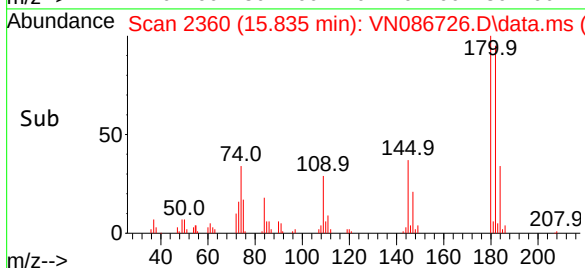
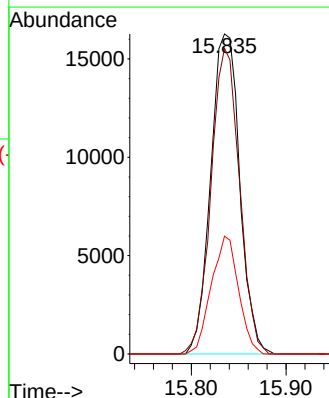
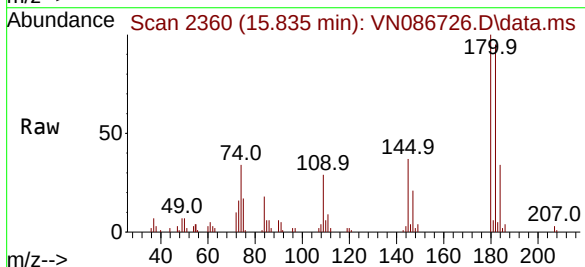
Tgt Ion:180 Resp: 34692

Ion Ratio Lower Upper

180 100

182 93.7 47.0 141.2

145 34.5 16.7 50.1



Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN0522WBS01	SDG No.:	Q2079
Lab Sample ID:	VN0522WBS01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086753.D	1		05/22/25 09:43	VN052225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.015		0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.017		0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.075		0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.018		0.00025	0.0050	mg/L
67-66-3	Chloroform	0.016		0.00025	0.0050	mg/L
71-43-2	Benzene	0.017		0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.016		0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.019		0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.020		0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.018		0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.1		70 (74) - 130 (125)	84%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	49.3		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		70 (77) - 130 (121)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	282000	8.224			
540-36-3	1,4-Difluorobenzene	477000	9.1			
3114-55-4	Chlorobenzene-d5	415000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	182000	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\VN052225\
 Data File : VN086753.D
 Acq On : 22 May 2025 09:43
 Operator : JC\MD
 Sample : VN0522WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/23/2025
 Supervised By : Mahesh Dadoda 05/23/2025

Quant Time: May 23 01:31:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	281968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	476790	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	414976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	181924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	164210	42.145	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.300%		
35) Dibromofluoromethane	8.165	113	141526	49.842	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.680%		
50) Toluene-d8	10.565	98	580621	49.343	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.680%		
62) 4-Bromofluorobenzene	12.847	95	200653	48.294	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.580%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	52793	17.337	ug/l	99
3) Chloromethane	2.359	50	66938	14.534	ug/l	100
4) Vinyl Chloride	2.512	62	63678	15.395	ug/l	97
5) Bromomethane	2.954	94	37413	15.690	ug/l	99
6) Chloroethane	3.124	64	40975	15.122	ug/l	93
7) Trichlorofluoromethane	3.495	101	83679	16.928	ug/l	94
8) Diethyl Ether	3.959	74	33839	16.571	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	50459	17.051	ug/l	95
10) Methyl Iodide	4.589	142	59765	16.236	ug/l	96
11) Tert butyl alcohol	5.512	59	54990	77.493	ug/l	98
12) 1,1-Dichloroethene	4.342	96	52258	16.616	ug/l	91
13) Acrolein	4.177	56	57938	76.376	ug/l	100
14) Allyl chloride	5.024	41	71696	15.061	ug/l	95
15) Acrylonitrile	5.718	53	134447	76.522	ug/l	99
16) Acetone	4.424	43	102131	70.074	ug/l	98
17) Carbon Disulfide	4.712	76	134429	15.438	ug/l	98
18) Methyl Acetate	5.030	43	56855	13.938	ug/l	95
19) Methyl tert-butyl Ether	5.789	73	176206	16.455	ug/l	99
20) Methylene Chloride	5.277	84	58755	15.277	ug/l	94
21) trans-1,2-Dichloroethene	5.789	96	54317	16.335	ug/l	96
22) Diisopropyl ether	6.671	45	166266	15.482	ug/l	94
23) Vinyl Acetate	6.600	43	664177	82.289	ug/l	98
24) 1,1-Dichloroethane	6.565	63	98841	15.676	ug/l	99
25) 2-Butanone	7.483	43	168035	74.610	ug/l	96
26) 2,2-Dichloropropane	7.489	77	86997	16.719	ug/l	97
27) cis-1,2-Dichloroethene	7.489	96	66899	16.391	ug/l	97
28) Bromochloromethane	7.812	49	43042	15.025	ug/l	86
29) Tetrahydrofuran	7.836	42	105327	71.649	ug/l	92
30) Chloroform	7.965	83	99974	15.841	ug/l	97
31) Cyclohexane	8.253	56	88653	15.160	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	86403	16.238	ug/l	97
36) 1,1-Dichloropropene	8.371	75	72279	17.257	ug/l	98
37) Ethyl Acetate	7.559	43	66243	15.657	ug/l	98
38) Carbon Tetrachloride	8.359	117	74331	18.012	ug/l	98
39) Methylcyclohexane	9.594	83	80785	17.821	ug/l	99
40) Benzene	8.600	78	236475	17.308	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052225\
 Data File : VN086753.D
 Acq On : 22 May 2025 09:43
 Operator : JC\MD
 Sample : VN0522WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/23/2025
 Supervised By : Mahesh Dadoda 05/23/2025

Quant Time: May 23 01:31:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	35959	15.741	ug/l	96
42) 1,2-Dichloroethane	8.665	62	69818	16.402	ug/l	97
43) Isopropyl Acetate	8.683	43	117696	13.877	ug/l	95
44) Trichloroethene	9.347	130	60825	18.457	ug/l	100
45) 1,2-Dichloropropane	9.618	63	54938	16.926	ug/l	97
46) Dibromomethane	9.706	93	38093	17.393	ug/l	97
47) Bromodichloromethane	9.882	83	77787	17.238	ug/l	100
48) Methyl methacrylate	9.677	41	52526	15.982	ug/l	95
49) 1,4-Dioxane	9.694	88	26182	376.214	ug/l #	91
51) 4-Methyl-2-Pentanone	10.441	43	339918	79.472	ug/l	96
52) Toluene	10.629	92	150259	17.694	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	83312	17.437	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	92300	17.697	ug/l	94
55) 1,1,2-Trichloroethane	11.012	97	54357	17.159	ug/l	94
56) Ethyl methacrylate	10.871	69	88371	17.375	ug/l	95
57) 1,3-Dichloropropane	11.159	76	92186	16.892	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	201742	88.751	ug/l	97
59) 2-Hexanone	11.194	43	251528	80.529	ug/l	97
60) Dibromochloromethane	11.359	129	60399	18.193	ug/l	98
61) 1,2-Dibromoethane	11.465	107	55462	17.423	ug/l	100
64) Tetrachloroethene	11.100	164	63499	19.975	ug/l	97
65) Chlorobenzene	11.888	112	166364	18.282	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.953	131	54412	18.523	ug/l	99
67) Ethyl Benzene	11.959	91	277406	17.798	ug/l	96
68) m/p-Xylenes	12.071	106	220040	37.273	ug/l	97
69) o-Xylene	12.394	106	108555	18.496	ug/l	100
70) Styrene	12.406	104	176507	18.369	ug/l	98
71) Bromoform	12.576	173	39942	19.119	ug/l #	96
73) Isopropylbenzene	12.694	105	255094	18.155	ug/l	99
74) N-amyl acetate	12.494	43	93636	15.950	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	71864	16.648	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	78175m	19.000	ug/l	
77) Bromobenzene	12.976	156	63793	18.049	ug/l	94
78) n-propylbenzene	13.029	91	289773	17.971	ug/l	99
79) 2-Chlorotoluene	13.123	91	186860	17.823	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	205936	18.294	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	30076	18.448	ug/l	92
82) 4-Chlorotoluene	13.218	91	183422	17.659	ug/l	99
83) tert-Butylbenzene	13.435	119	181753	18.514	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	208897	18.635	ug/l	99
85) sec-Butylbenzene	13.612	105	241304	18.331	ug/l	99
86) p-Isopropyltoluene	13.723	119	202813	18.797	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	111605	18.235	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	110685	18.253	ug/l	99
89) n-Butylbenzene	14.053	91	160759	17.972	ug/l	99
90) Hexachloroethane	14.329	117	31873	17.804	ug/l	93
91) 1,2-Dichlorobenzene	14.100	146	105980	18.205	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12222	17.091	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	46397	18.882	ug/l	98
94) Hexachlorobutadiene	15.494	225	19375	19.004	ug/l	98
95) Naphthalene	15.635	128	159376	18.680	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	45248	18.803	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052225\
Data File : VN086753.D
Acq On : 22 May 2025 09:43
Operator : JC\MD
Sample : VN0522WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

Quant Time: May 23 01:31:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 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\VN052225\
Data File : VN086753.D
Acq On : 22 May 2025 09:43
Operator : JC\MD
Sample : VN0522WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025

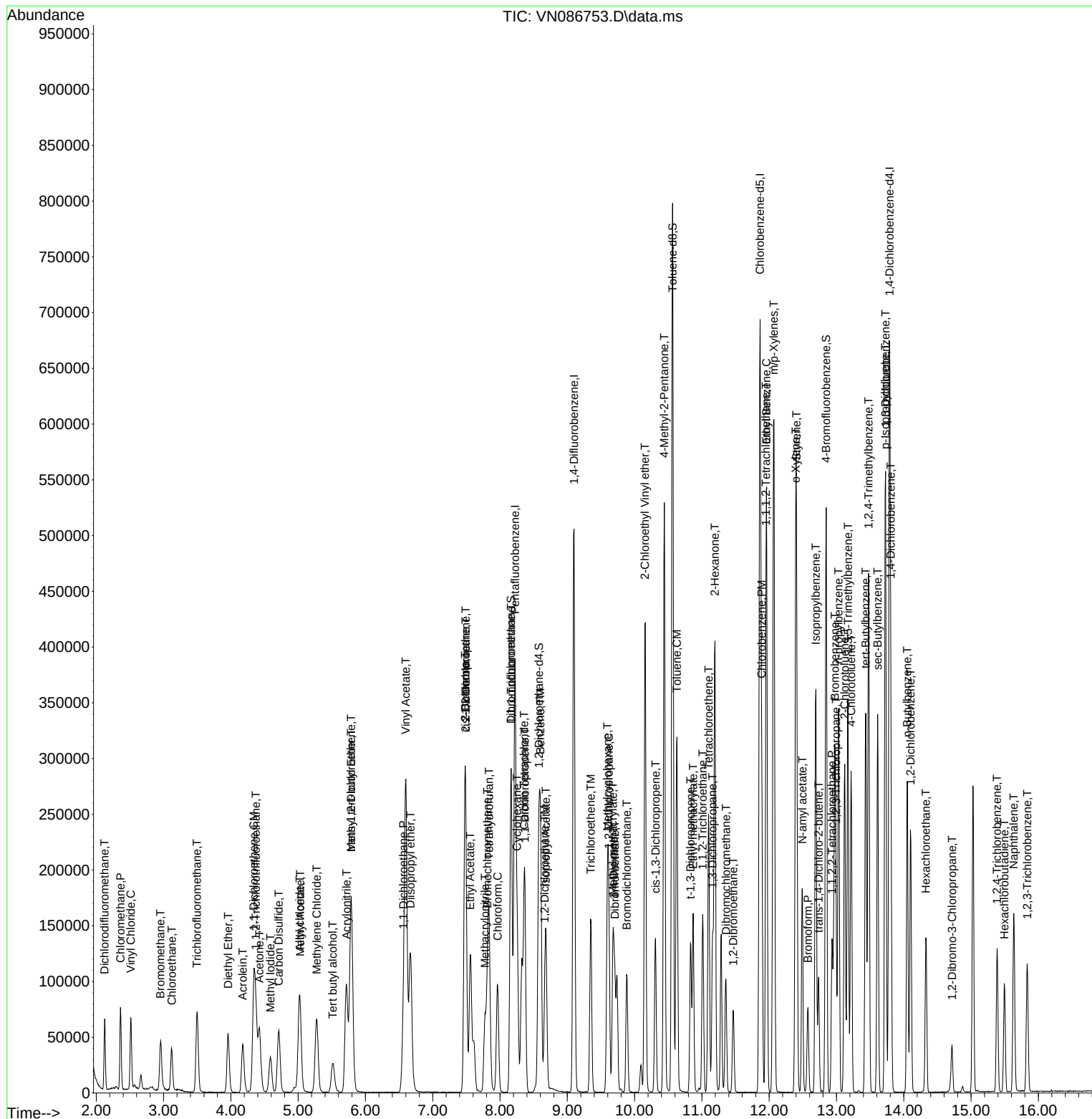
Quant Time: May 23 01:31:09 2025

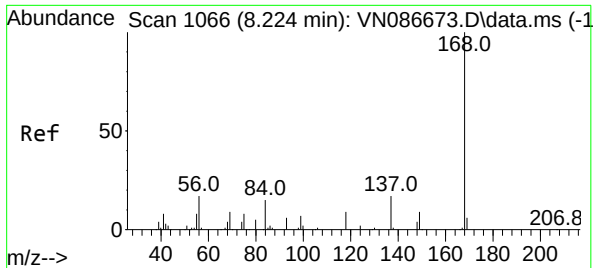
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M

Quant Title : SW846 8260

QLast Update : Sat May 17 00:46:13 2025

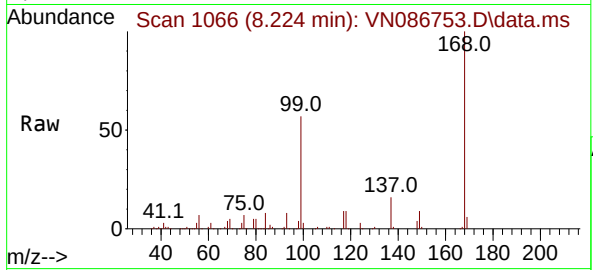
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

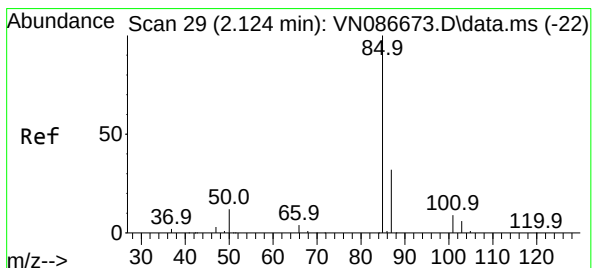
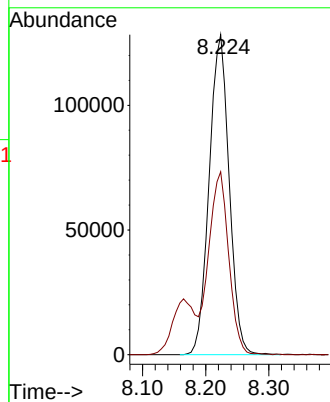
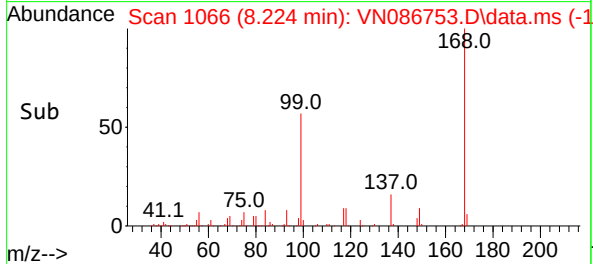
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01



Tgt Ion:168 Resp: 281968
Ion Ratio Lower Upper
168 100
99 57.0 47.0 70.4

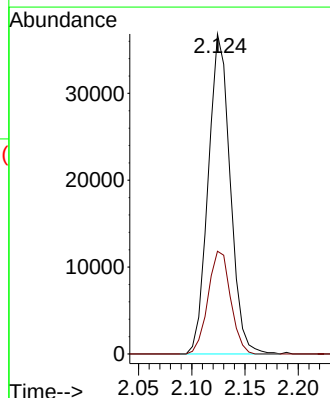
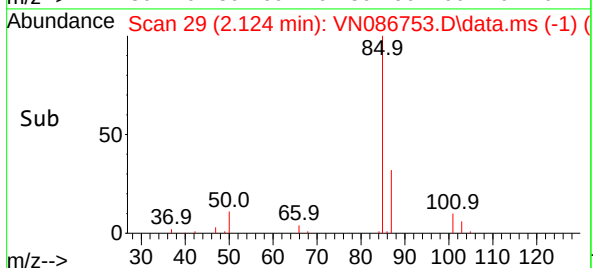
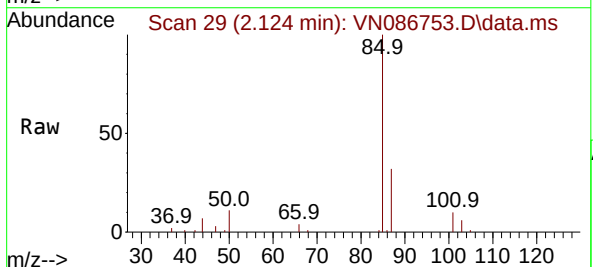
Manual Integrations
APPROVED

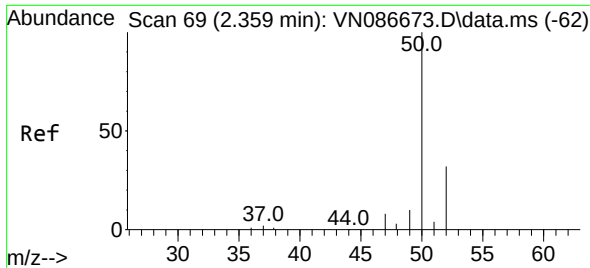
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#2
Dichlorodifluoromethane
Concen: 17.337 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

Tgt Ion: 85 Resp: 52793
Ion Ratio Lower Upper
85 100
87 32.1 15.9 47.6





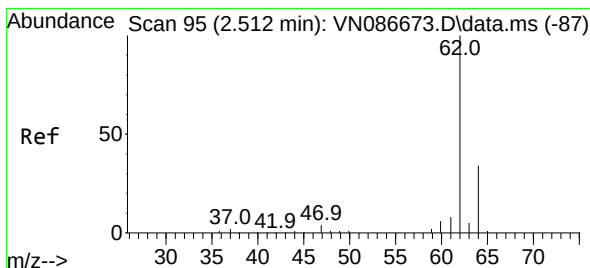
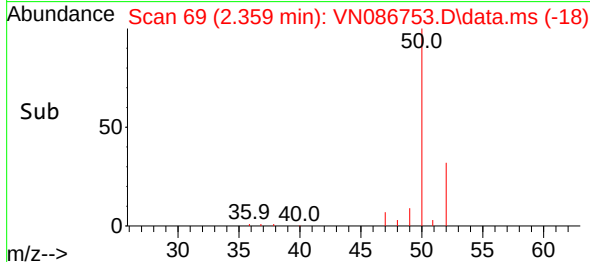
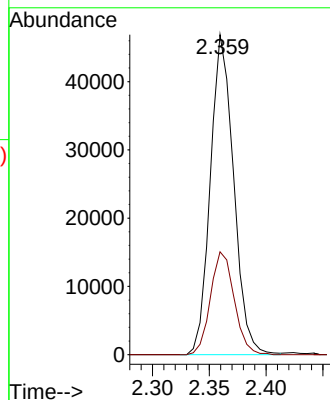
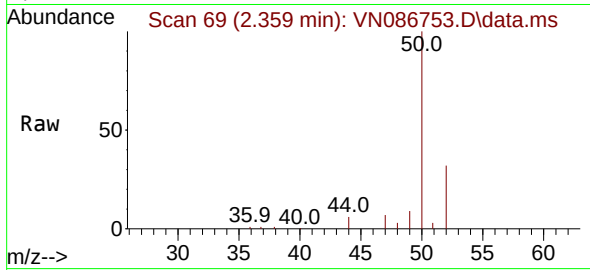
#3
Chloromethane
Concen: 14.534 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tgt Ion: 50 Resp: 66938
Ion Ratio Lower Upper
50 100
52 32.2 25.9 38.9

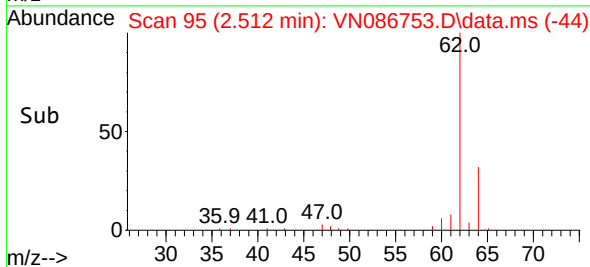
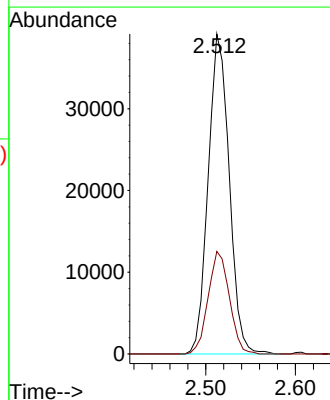
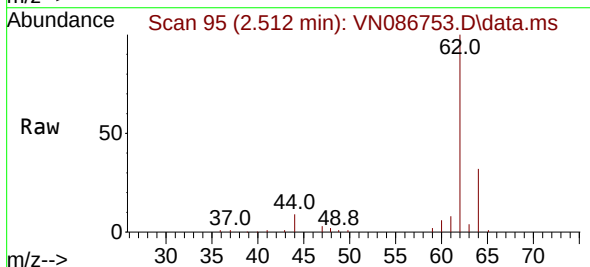
Manual Integrations
APPROVED

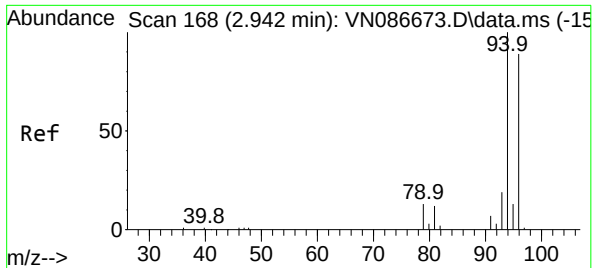
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#4
Vinyl Chloride
Concen: 15.395 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

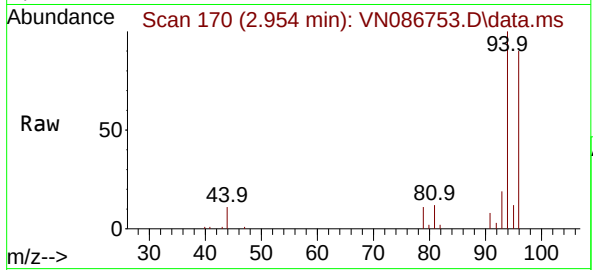
Tgt Ion: 62 Resp: 63678
Ion Ratio Lower Upper
62 100
64 32.0 26.9 40.3





#5
Bromomethane
Concen: 15.690 ug/l
RT: 2.954 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

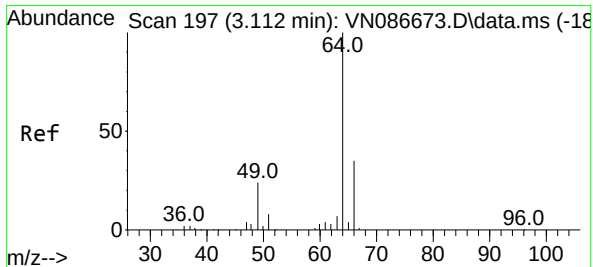
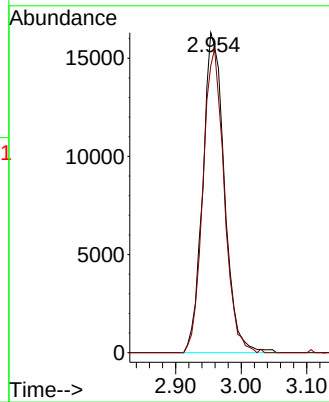
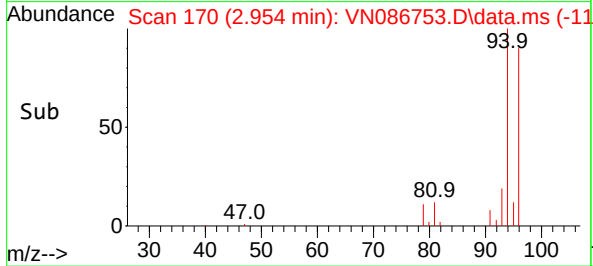
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01



Tgt Ion: 94 Resp: 3741
Ion Ratio Lower Upper
94 100
96 89.7 71.2 106.8

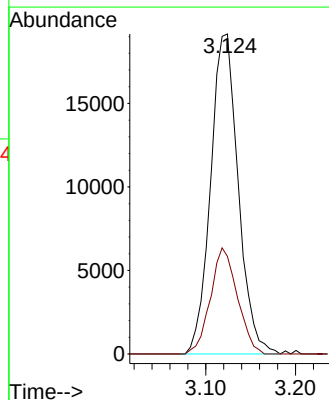
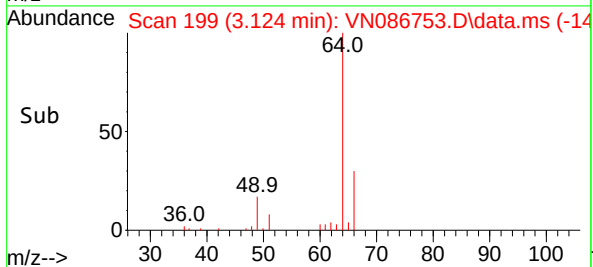
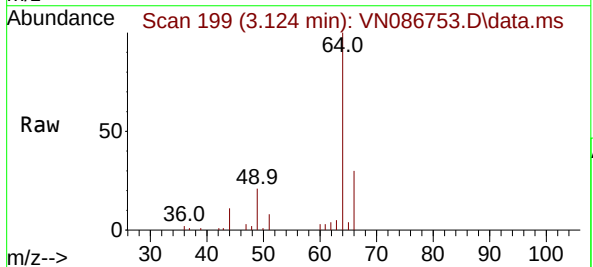
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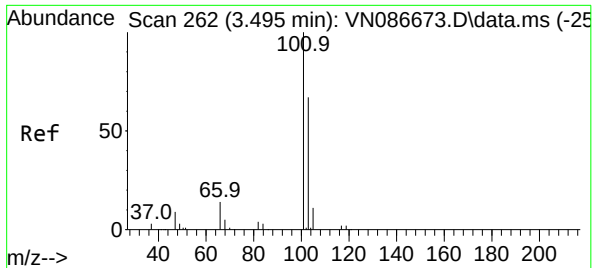
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#6
Chloroethane
Concen: 15.122 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.012 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

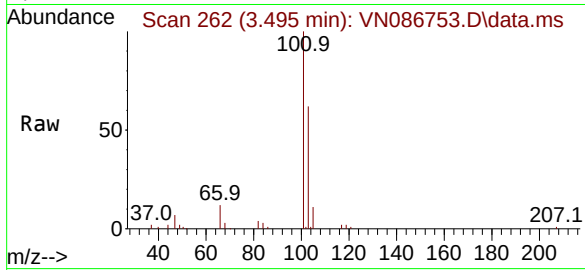
Tgt Ion: 64 Resp: 40975
Ion Ratio Lower Upper
64 100
66 30.5 27.7 41.5





#7
Trichlorofluoromethane
Concen: 16.928 ug/l
RT: 3.495 min Scan# 262
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

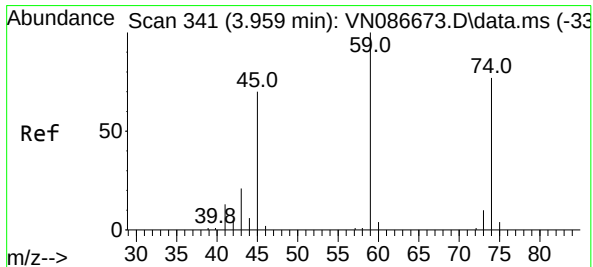
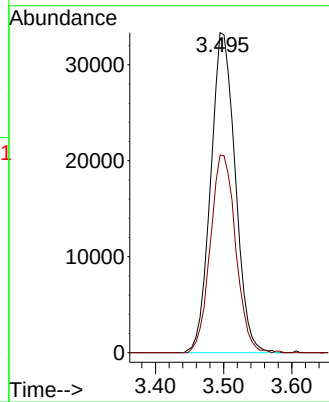
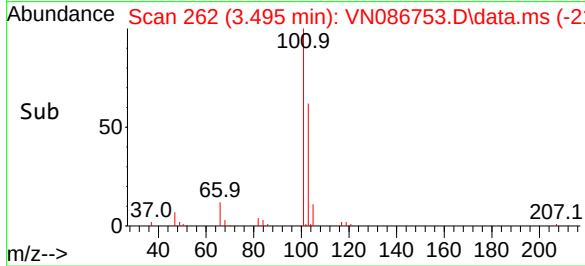
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01



Tgt Ion:101 Resp: 83679
Ion Ratio Lower Upper
101 100
103 61.7 53.4 80.0

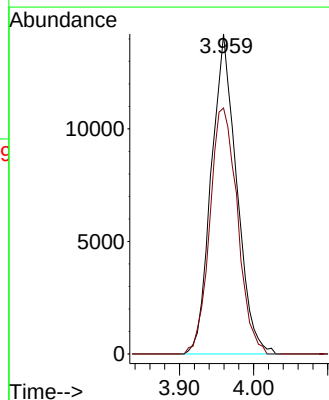
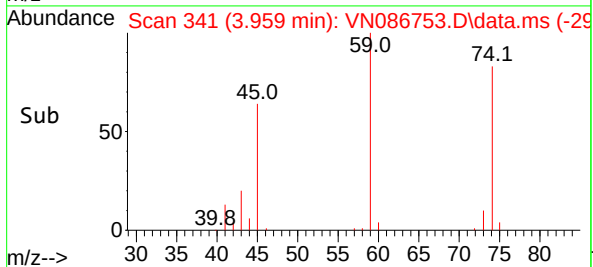
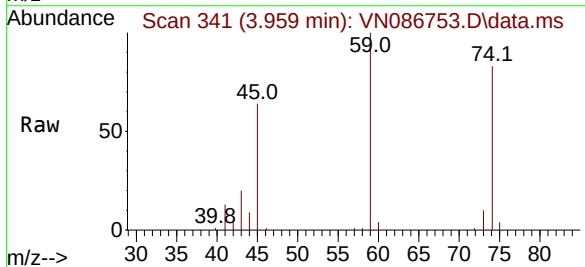
Manual Integrations
APPROVED

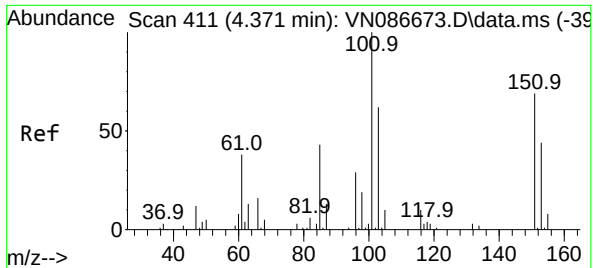
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#8
Diethyl Ether
Concen: 16.571 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

Tgt Ion: 74 Resp: 33839
Ion Ratio Lower Upper
74 100
45 83.4 45.0 135.0





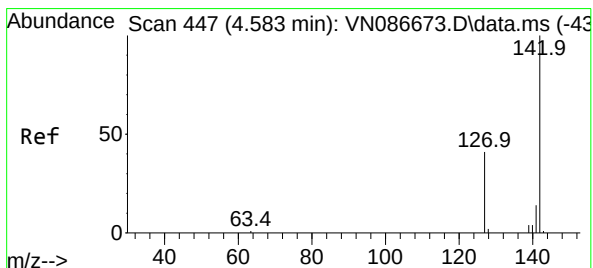
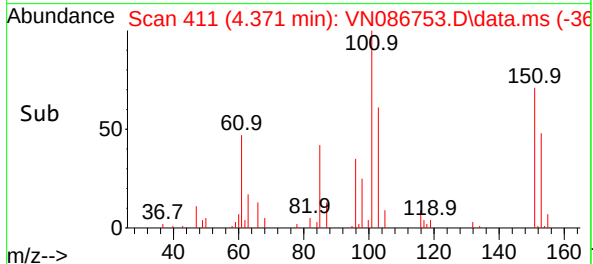
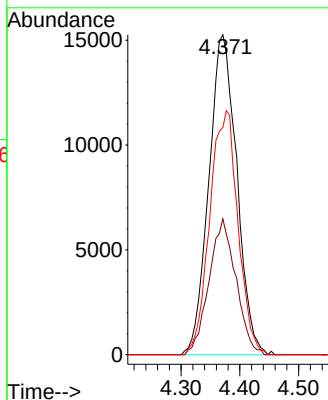
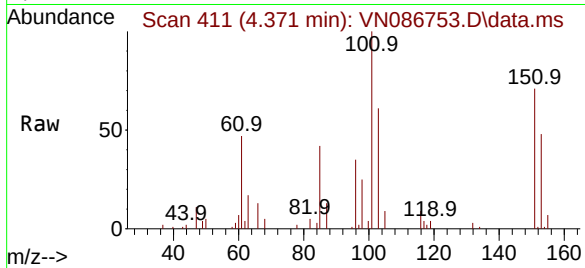
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.051 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tgt Ion:101 Resp: 50459
Ion Ratio Lower Upper
101 100
85 40.8 35.0 52.6
151 76.8 58.1 87.1

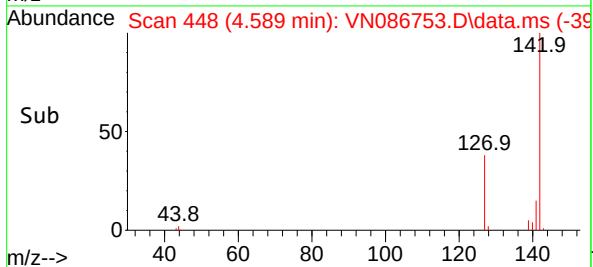
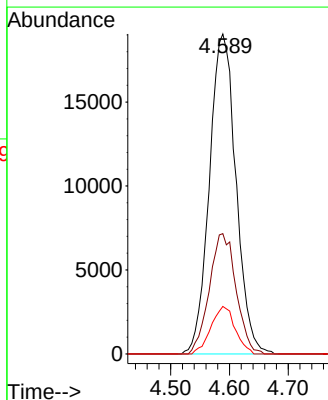
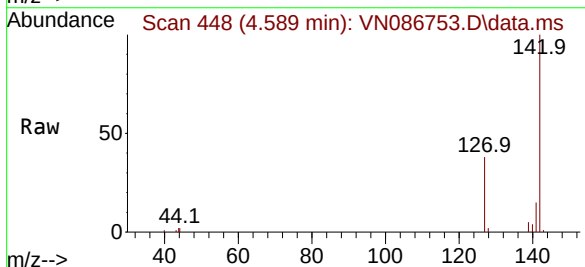
Manual Integrations
APPROVED

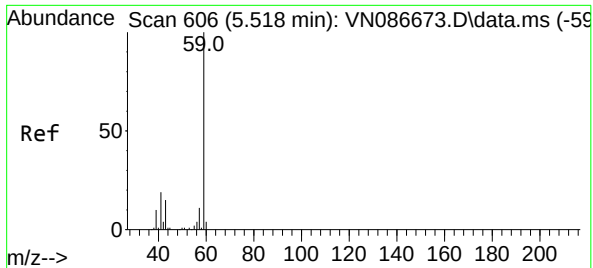
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#10
Methyl Iodide
Concen: 16.236 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

Tgt Ion:142 Resp: 59765
Ion Ratio Lower Upper
142 100
127 37.6 32.4 48.6
141 14.9 11.4 17.2





#11

Tert butyl alcohol

Concen: 77.493 ug/l

RT: 5.512 min Scan# 606

Delta R.T. -0.006 min

Lab File: VN086753.D

Acq: 22 May 2025 09:43

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

Tgt Ion: 59 Resp: 54990

Ion Ratio Lower Upper

59 100

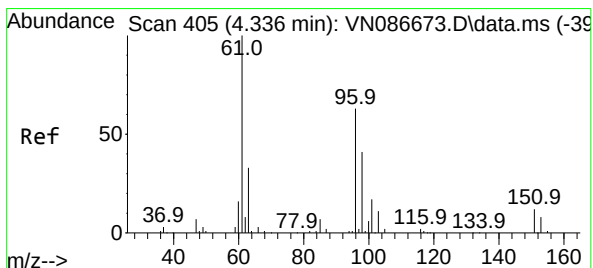
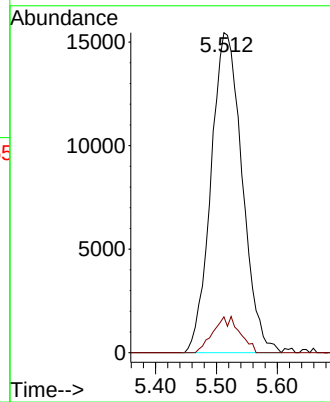
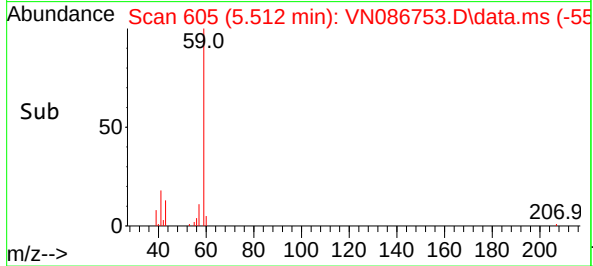
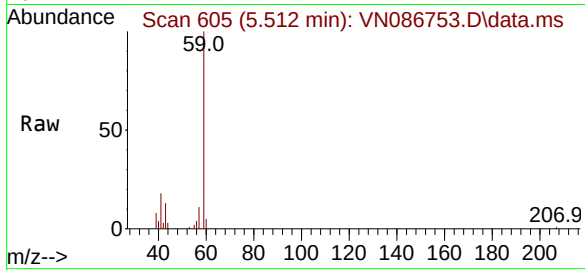
57 9.6 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#12

1,1-Dichloroethene

Concen: 16.616 ug/l

RT: 4.342 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN086753.D

Acq: 22 May 2025 09:43

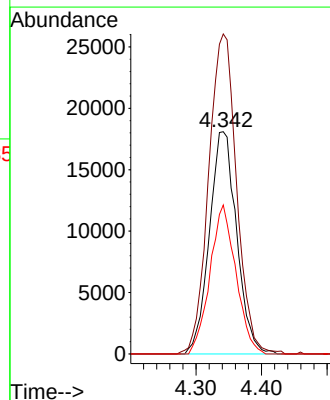
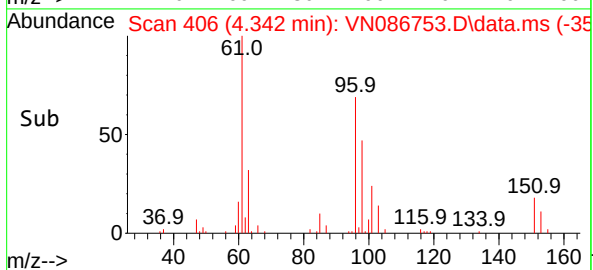
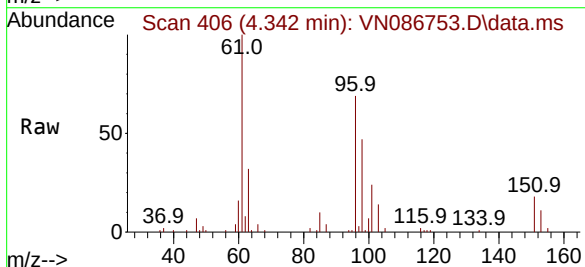
Tgt Ion: 96 Resp: 52258

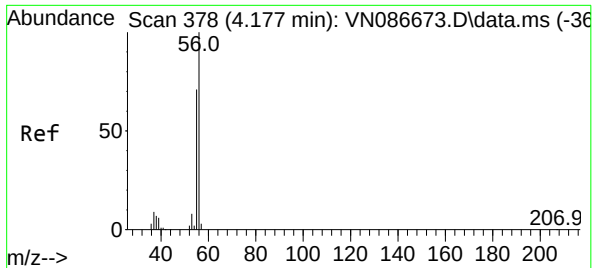
Ion Ratio Lower Upper

96 100

61 143.0 126.2 189.2

98 67.1 51.5 77.3





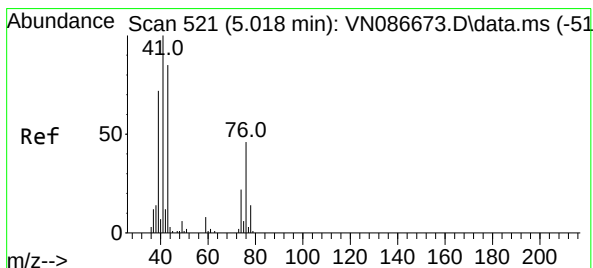
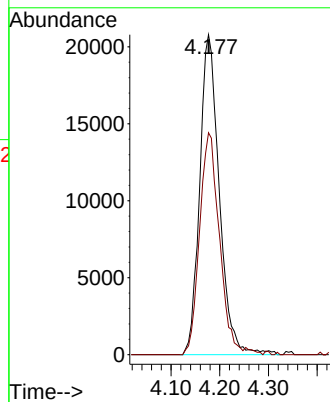
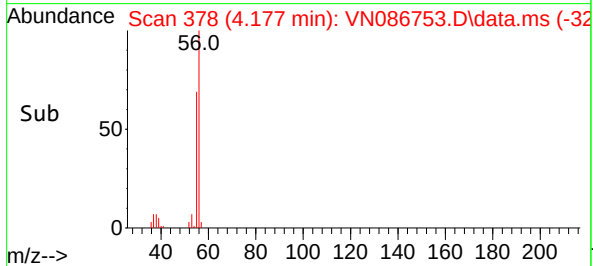
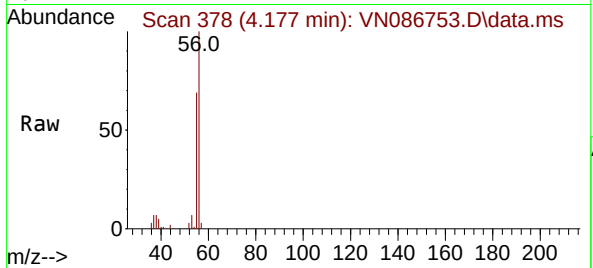
#13
Acrolein
Concen: 76.376 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tgt Ion: 56 Resp: 57938
Ion Ratio Lower Upper
56 100
55 69.8 55.7 83.5

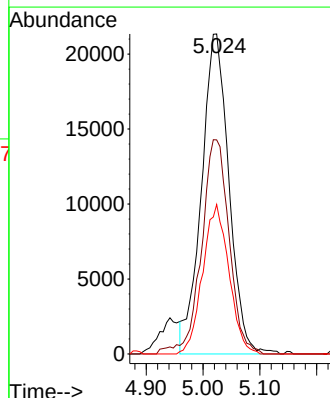
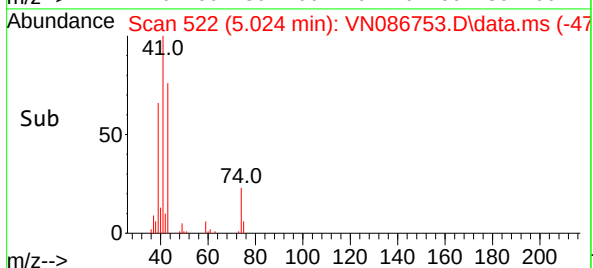
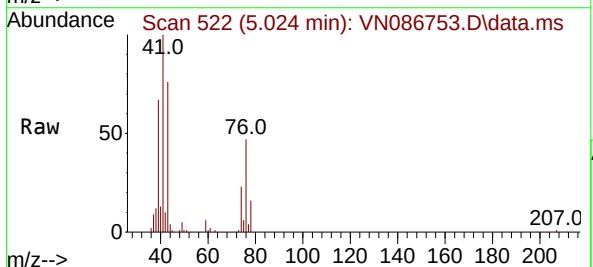
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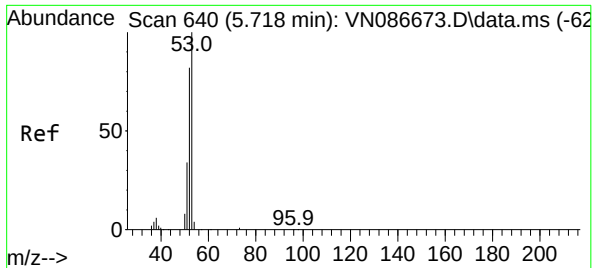
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#14
Allyl chloride
Concen: 15.061 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

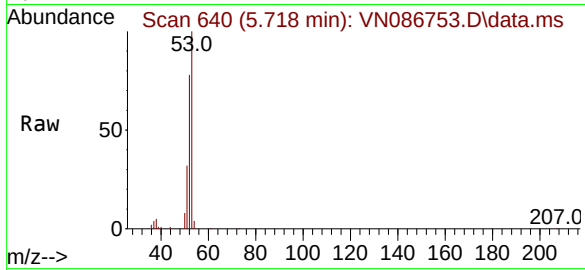
Tgt Ion: 41 Resp: 71696
Ion Ratio Lower Upper
41 100
39 67.4 57.4 86.0
76 44.6 33.2 49.8





#15
Acrylonitrile
Concen: 76.522 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

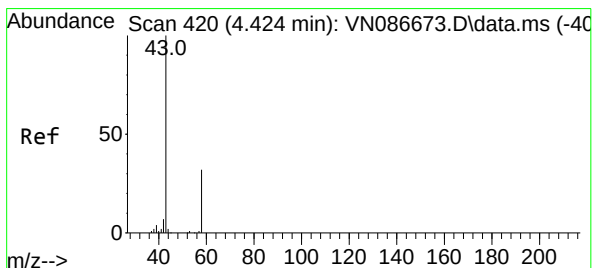
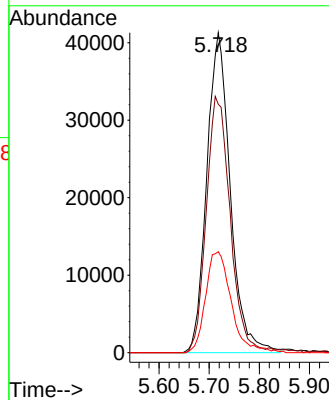
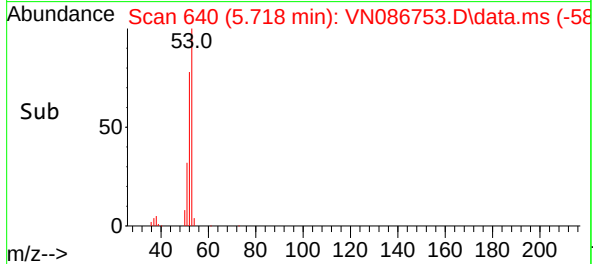
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01



Tgt Ion: 53 Resp: 13444
Ion Ratio Lower Upper
53 100
52 81.0 65.4 98.2
51 34.4 27.9 41.9

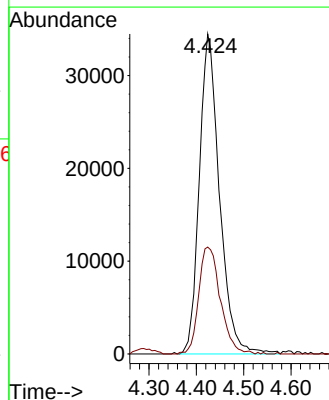
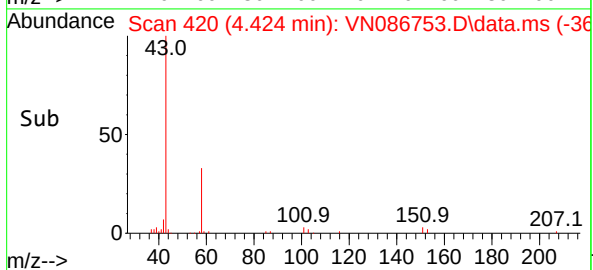
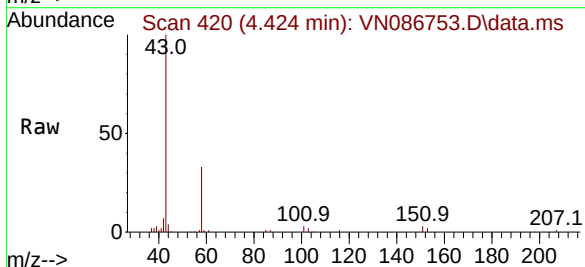
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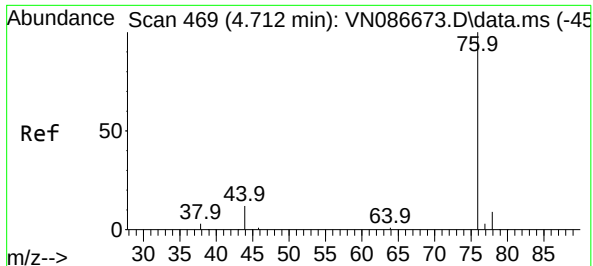
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#16
Acetone
Concen: 70.074 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

Tgt Ion: 43 Resp: 102131
Ion Ratio Lower Upper
43 100
58 33.4 25.8 38.6





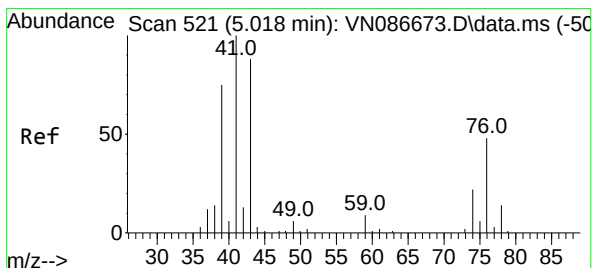
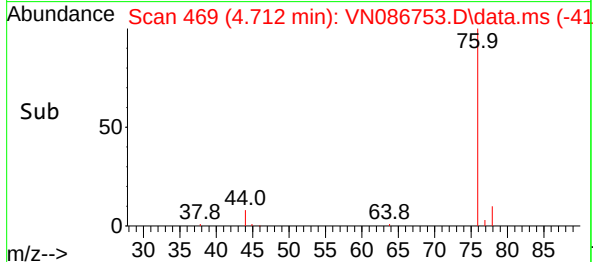
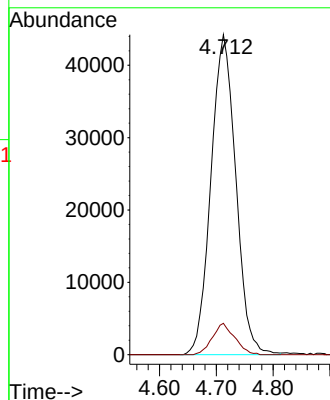
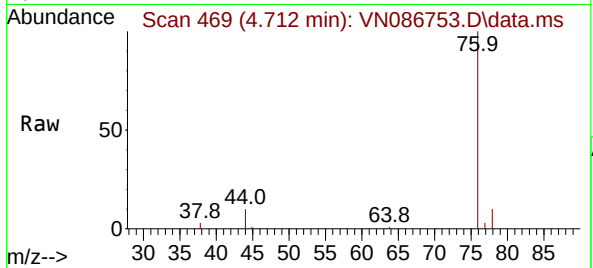
#17
Carbon Disulfide
Concen: 15.438 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tgt Ion: 76 Resp: 134429
Ion Ratio Lower Upper
76 100
78 9.8 7.3 10.9

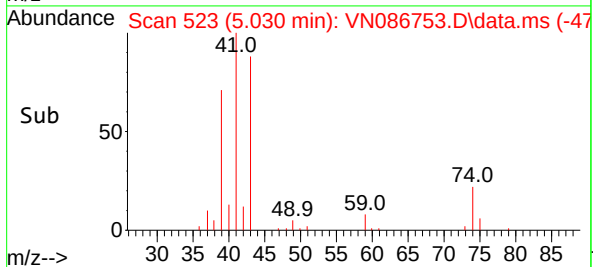
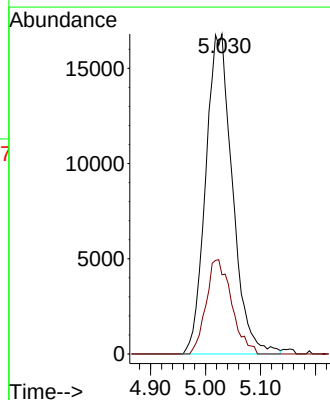
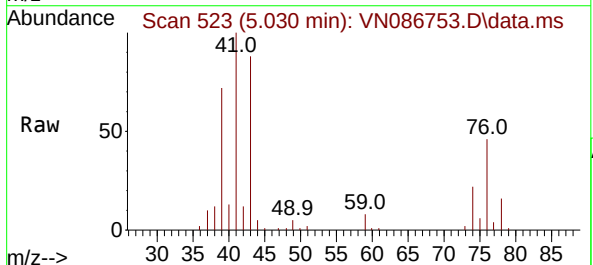
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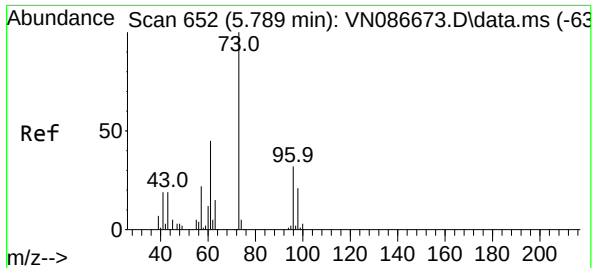
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#18
Methyl Acetate
Concen: 13.938 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

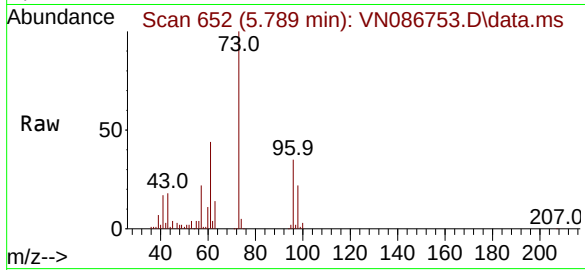
Tgt Ion: 43 Resp: 56855
Ion Ratio Lower Upper
43 100
74 28.1 20.5 30.7





#19
Methyl tert-butyl Ether
Concen: 16.455 ug/l
RT: 5.789 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

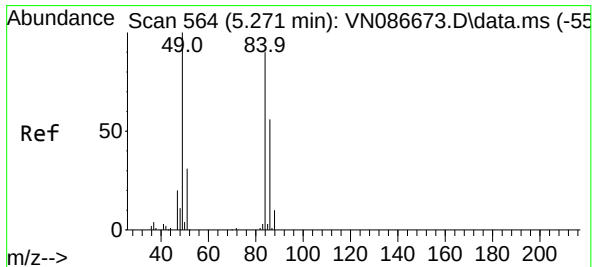
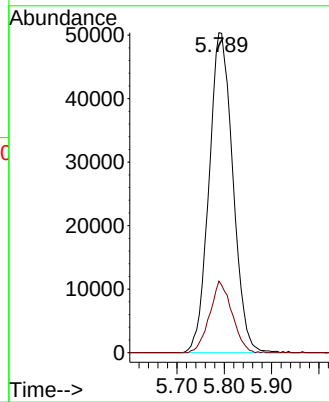
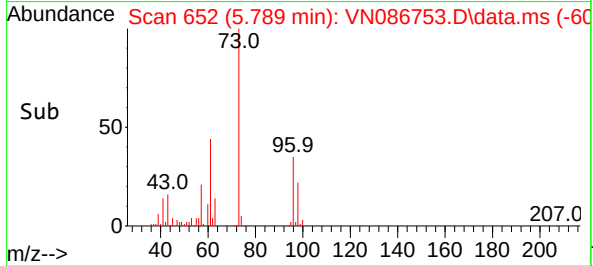
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01



Tgt Ion: 73 Resp: 176200
Ion Ratio Lower Upper
73 100
57 22.4 17.7 26.5

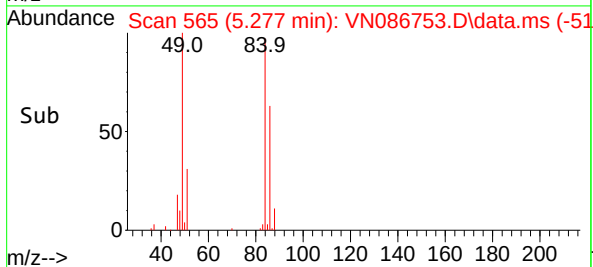
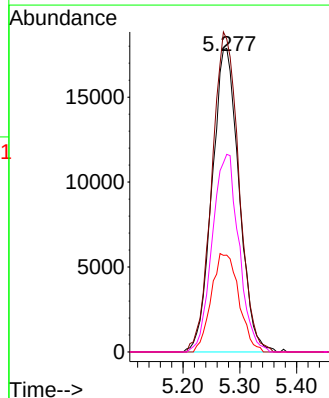
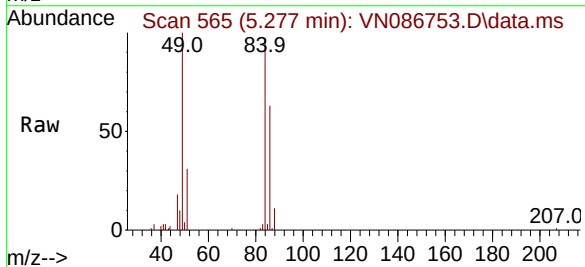
Manual Integrations
APPROVED

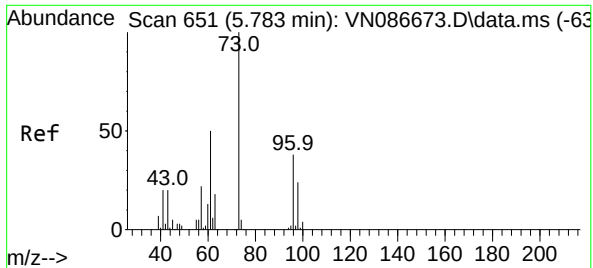
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#20
Methylene Chloride
Concen: 15.277 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

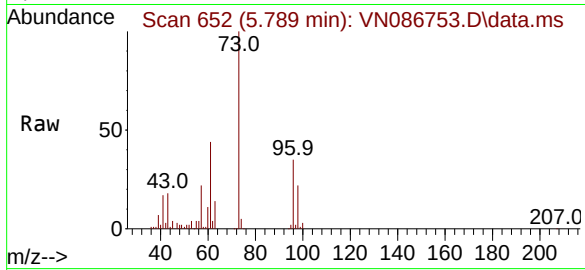
Tgt Ion: 84 Resp: 58755
Ion Ratio Lower Upper
84 100
49 103.0 88.8 133.2
51 31.9 27.8 41.6
86 65.1 49.8 74.6





#21
trans-1,2-Dichloroethene
Concen: 16.335 ug/l
RT: 5.789 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

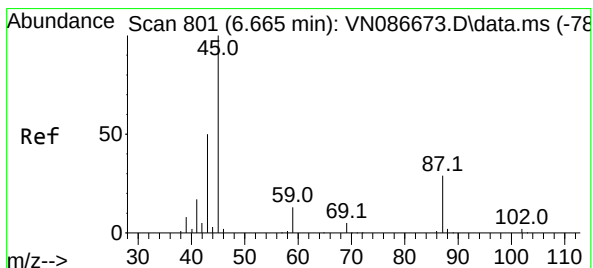
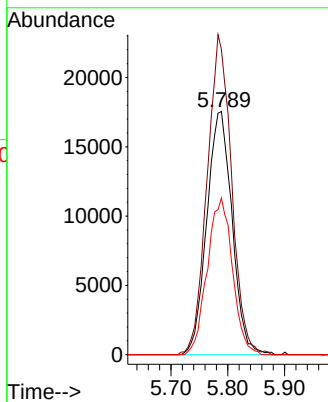
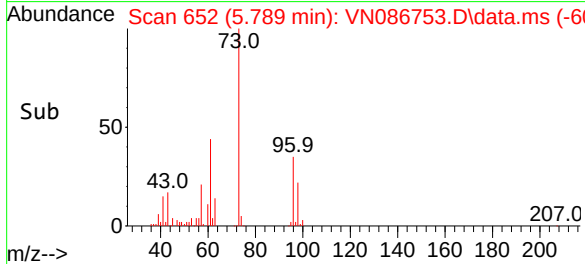
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01



Tgt Ion: 96 Resp: 5431
Ion Ratio Lower Upper
96 100
61 125.5 105.7 158.5
98 64.4 51.0 76.6

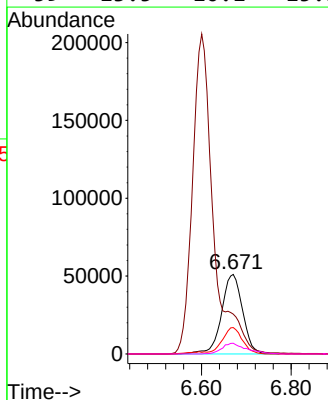
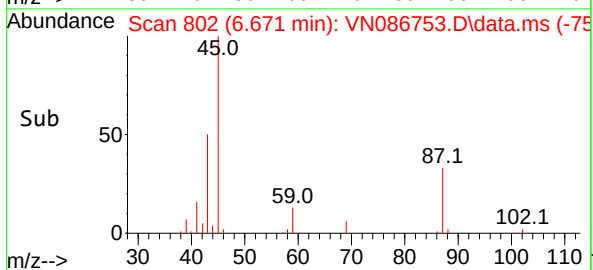
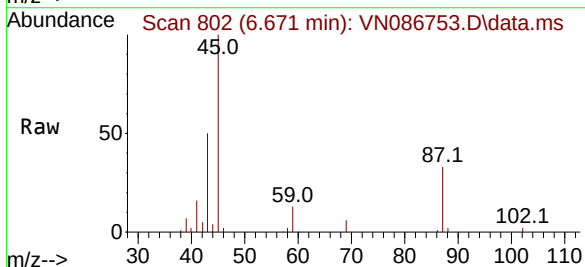
Manual Integrations
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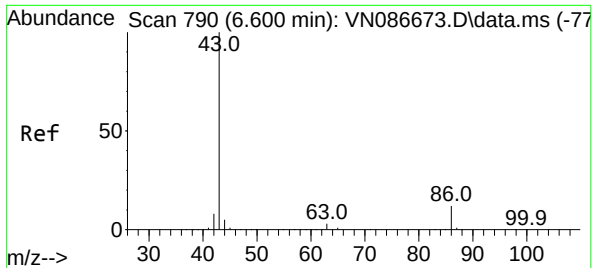
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#22
Diisopropyl ether
Concen: 15.482 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

Tgt Ion: 45 Resp: 166266
Ion Ratio Lower Upper
45 100
43 48.5 41.4 62.2
87 33.1 22.9 34.3
59 13.5 10.1 15.1





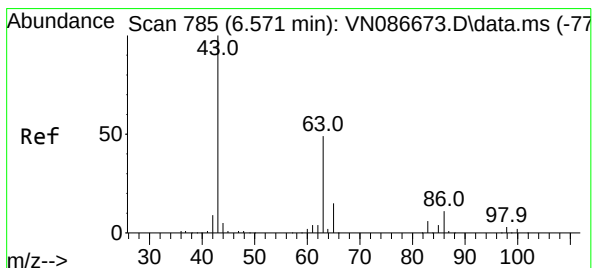
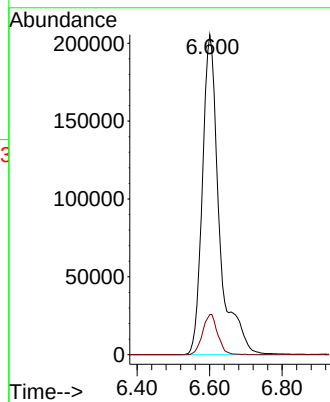
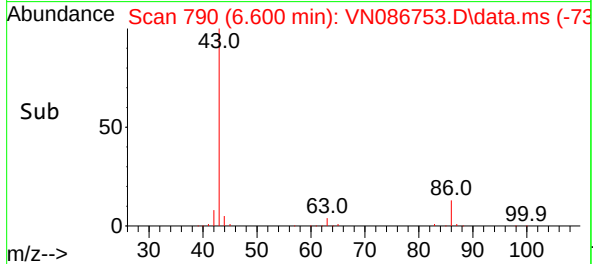
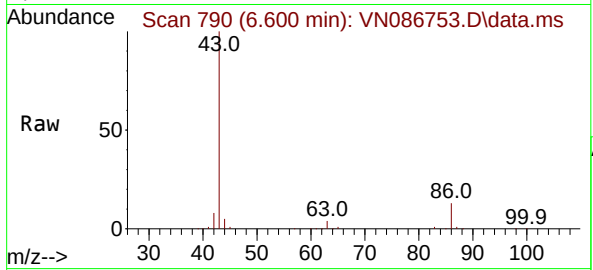
#23
Vinyl Acetate
Concen: 82.289 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tgt Ion: 43 Resp: 66417
Ion Ratio Lower Upper
43 100
86 12.6 9.5 14.3

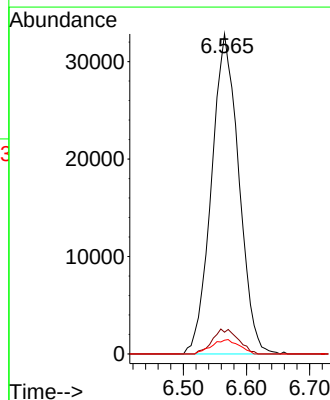
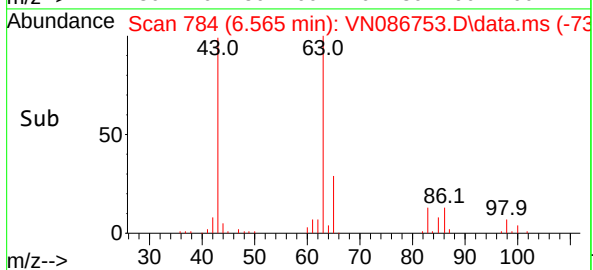
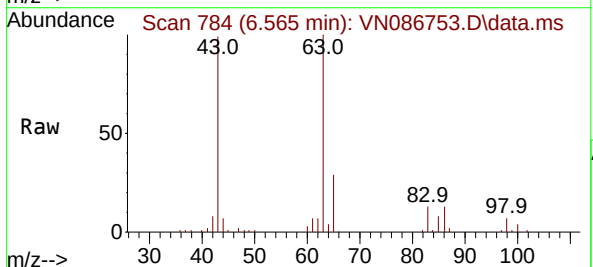
Manual Integrations
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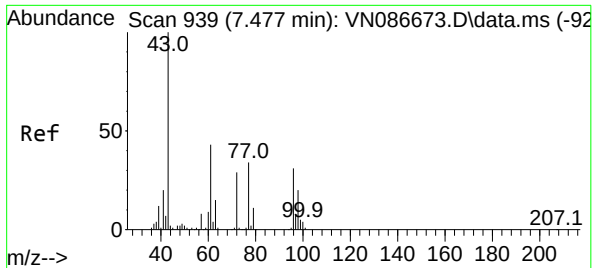
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#24
1,1-Dichloroethane
Concen: 15.676 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

Tgt Ion: 63 Resp: 98841
Ion Ratio Lower Upper
63 100
98 6.8 3.4 10.2
100 4.3 2.4 7.1





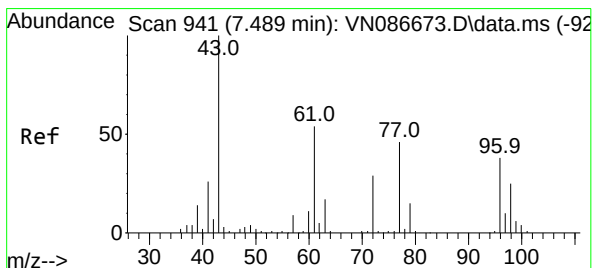
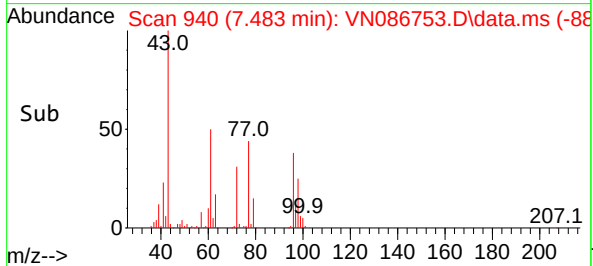
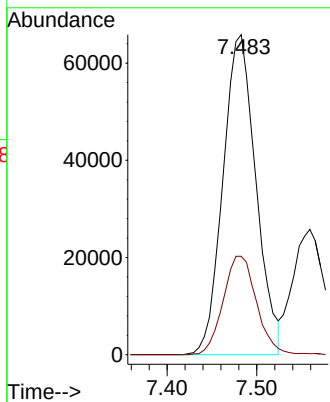
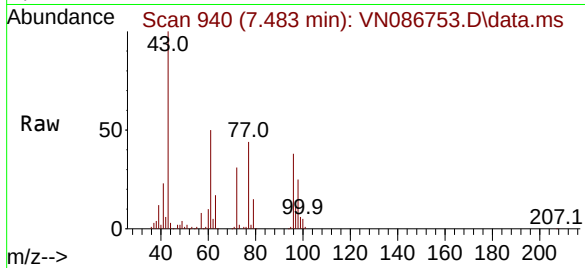
#25
2-Butanone
Concen: 74.610 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tgt Ion: 43 Resp: 16803
Ion Ratio Lower Upper
43 100
72 30.8 23.1 34.7

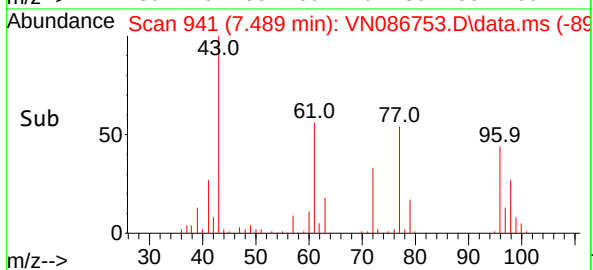
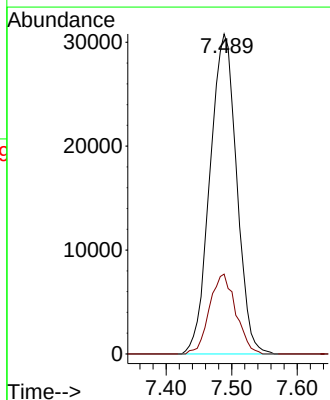
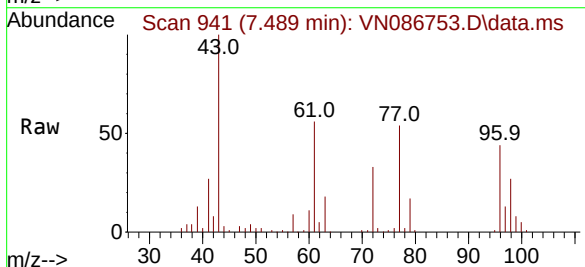
Manual Integrations
APPROVED

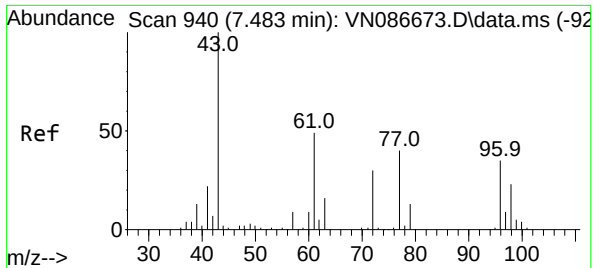
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#26
2,2-Dichloropropane
Concen: 16.719 ug/l
RT: 7.489 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

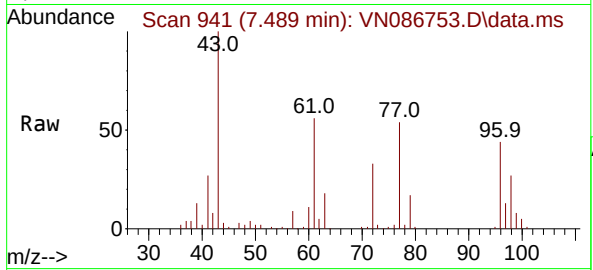
Tgt Ion: 77 Resp: 86997
Ion Ratio Lower Upper
77 100
97 24.6 11.6 34.7





#27
 cis-1,2-Dichloroethene
 Concen: 16.391 ug/l
 RT: 7.489 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN086753.D
 Acq: 22 May 2025 09:43

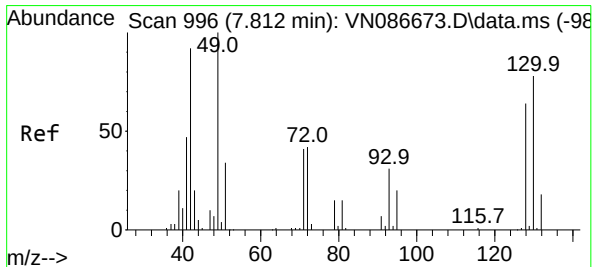
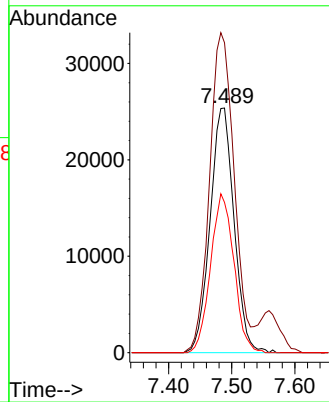
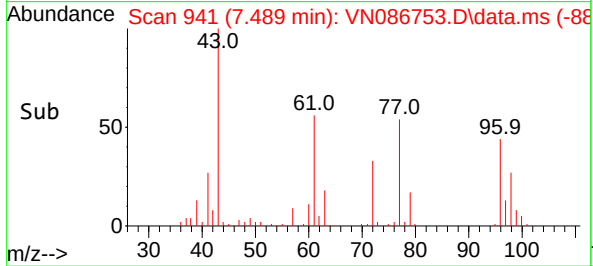
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01



Tgt Ion: 96 Resp: 6689
 Ion Ratio Lower Upper
 96 100
 61 135.3 0.0 277.4
 98 63.3 0.0 129.6

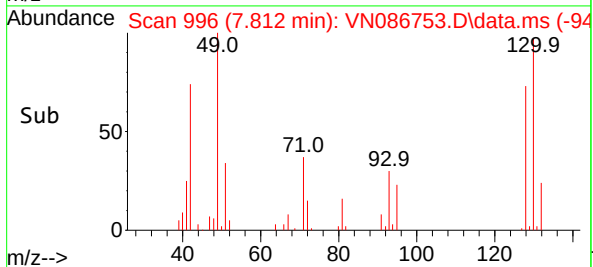
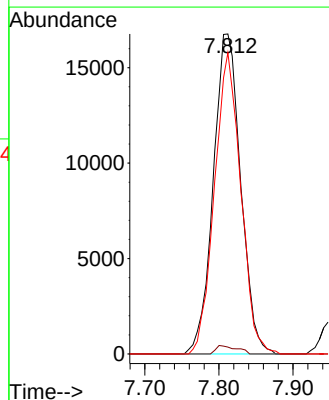
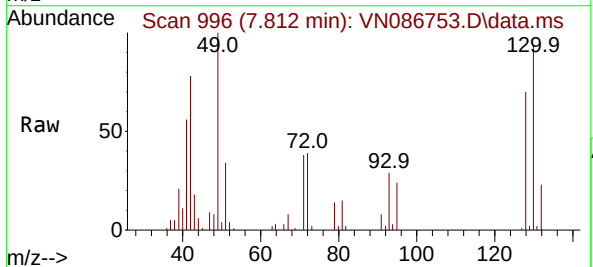
Manual Integrations
 APPROVED

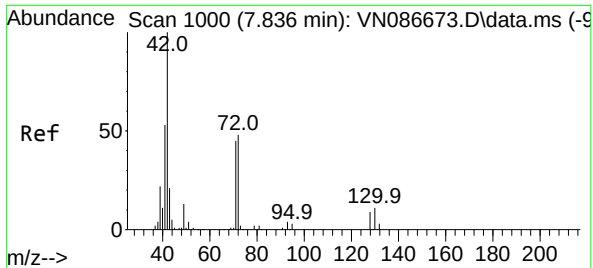
Reviewed By :John Carlone 05/23/2025
 Supervised By :Mahesh Dadoda 05/23/2025



#28
 Bromochloromethane
 Concen: 15.025 ug/l
 RT: 7.812 min Scan# 996
 Delta R.T. -0.000 min
 Lab File: VN086753.D
 Acq: 22 May 2025 09:43

Tgt Ion: 49 Resp: 43042
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.8
 130 90.4 62.2 93.4





#29

Tetrahydrofuran

Concen: 71.649 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN086753.D

Acq: 22 May 2025 09:43

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

Tgt Ion: 42 Resp: 10532

Ion Ratio Lower Upper

42 100

72 54.4 38.7 58.1

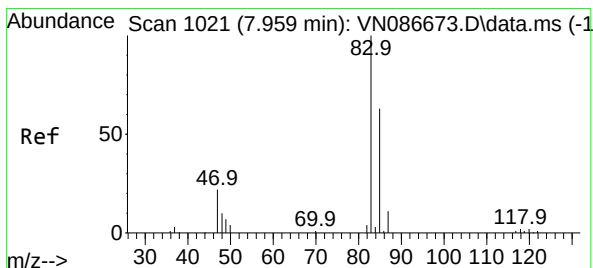
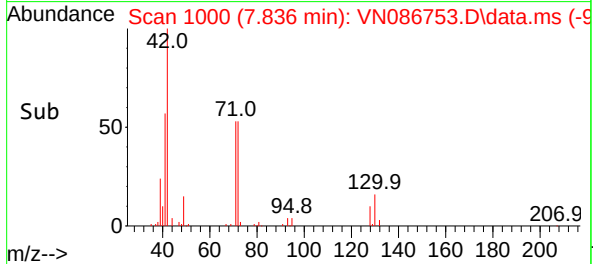
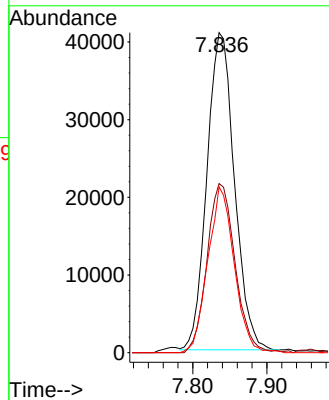
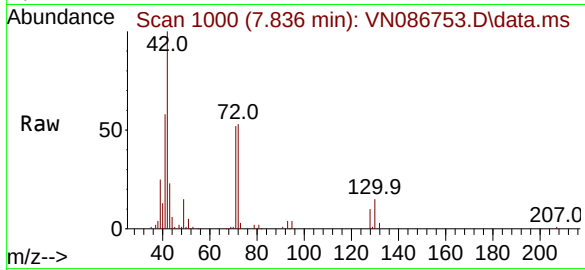
71 50.2 36.2 54.4

Manual Integrations

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Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#30

Chloroform

Concen: 15.841 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN086753.D

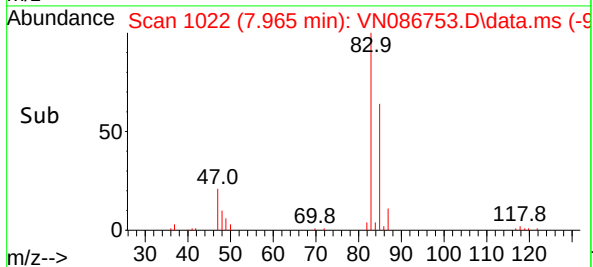
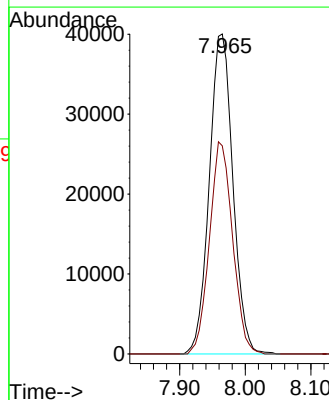
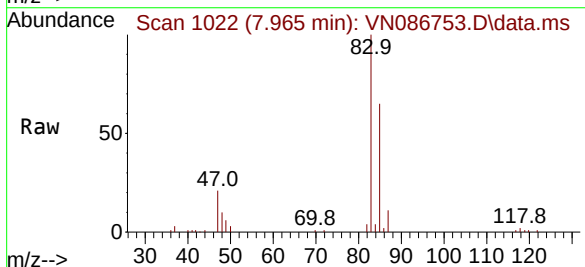
Acq: 22 May 2025 09:43

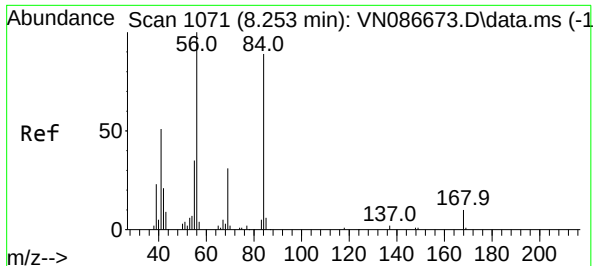
Tgt Ion: 83 Resp: 99974

Ion Ratio Lower Upper

83 100

85 65.0 50.2 75.4





#31

Cyclohexane

Concen: 15.160 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN086753.D

Acq: 22 May 2025 09:43

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

Tgt Ion: 56 Resp: 8865

Ion Ratio Lower Upper

56 100

69 34.2 25.0 37.6

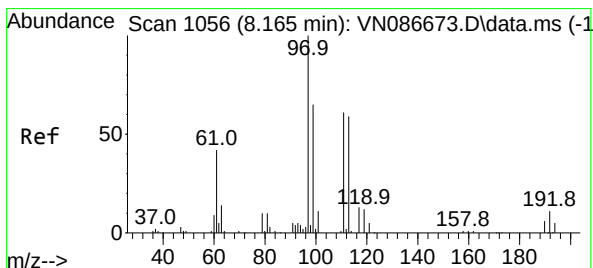
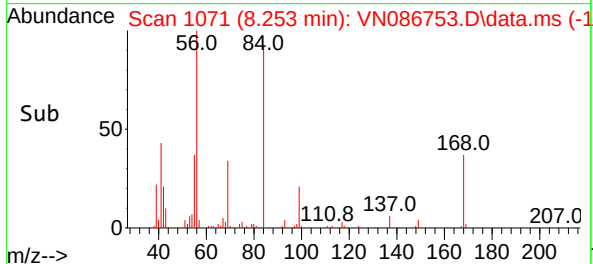
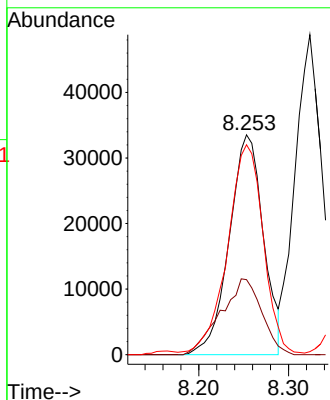
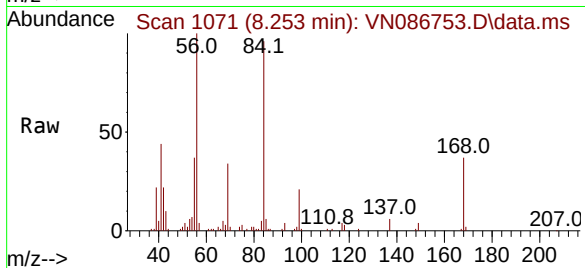
84 94.4 71.0 106.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#32

1,1,1-Trichloroethane

Concen: 16.238 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086753.D

Acq: 22 May 2025 09:43

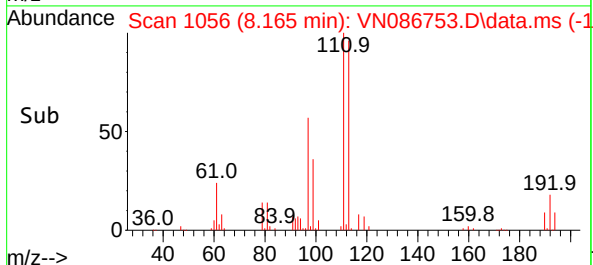
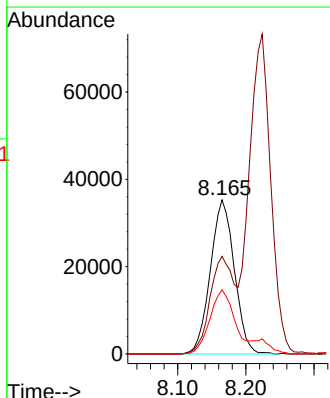
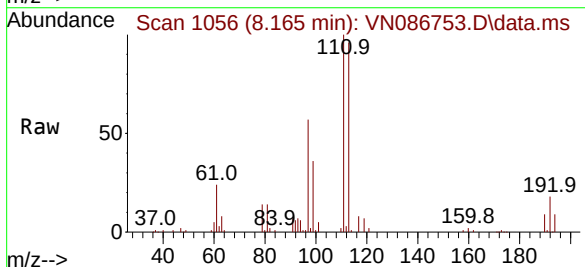
Tgt Ion: 97 Resp: 86403

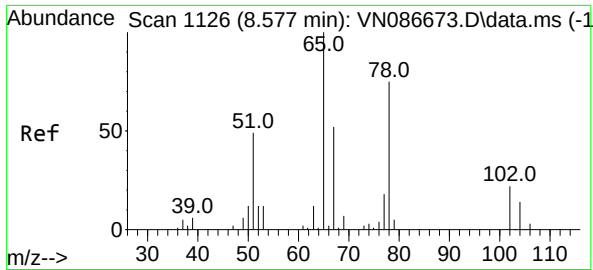
Ion Ratio Lower Upper

97 100

99 65.3 52.6 79.0

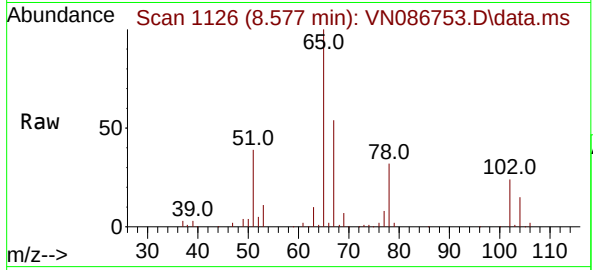
61 43.4 37.7 56.5





#33
1,2-Dichloroethane-d4
Concen: 42.145 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

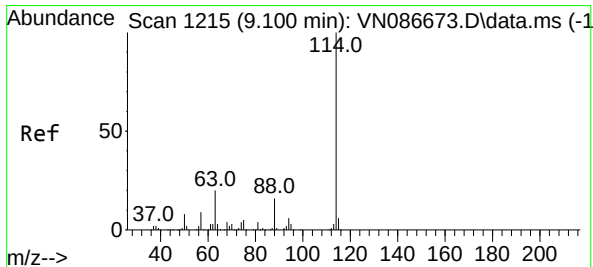
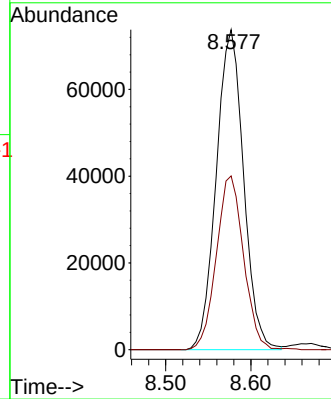
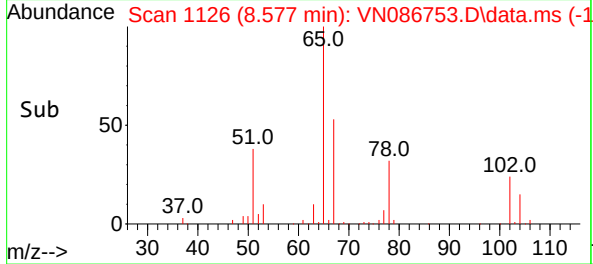
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01



Tgt Ion: 65 Resp: 164210
Ion Ratio Lower Upper
65 100
67 54.2 0.0 106.4

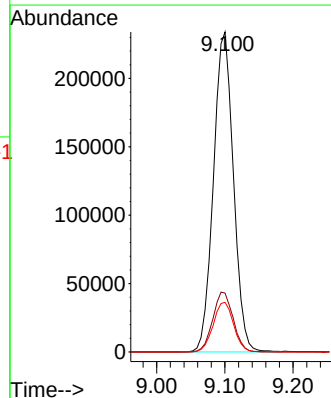
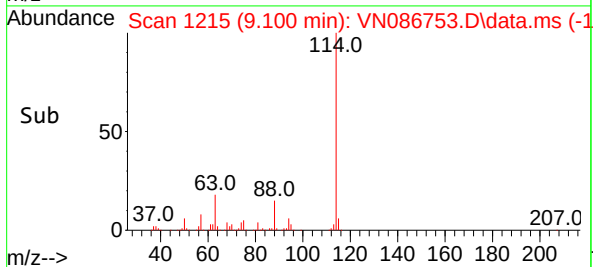
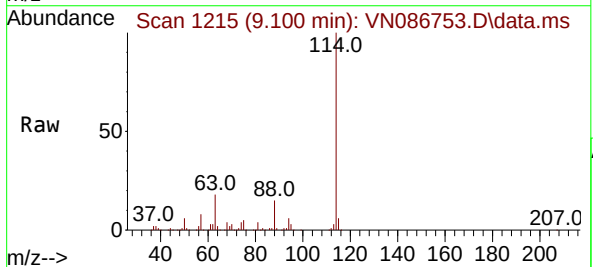
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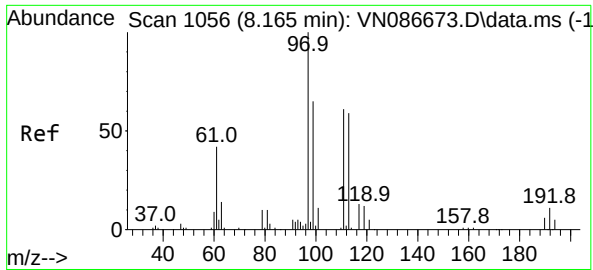
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

Tgt Ion:114 Resp: 476790
Ion Ratio Lower Upper
114 100
63 18.4 0.0 40.2
88 15.5 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.842 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086753.D

Acq: 22 May 2025 09:43

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

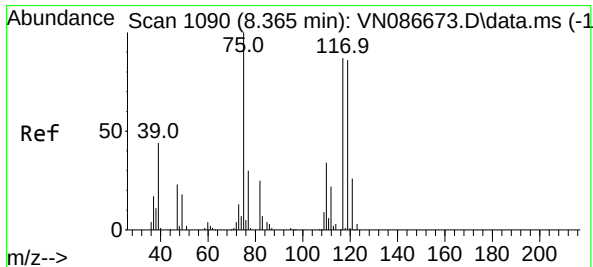
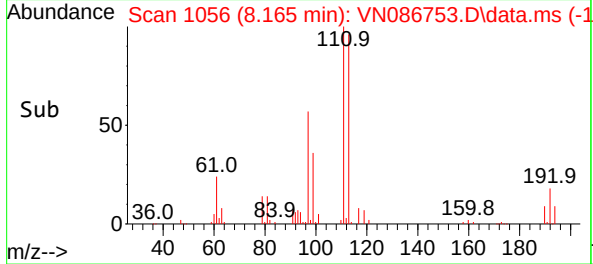
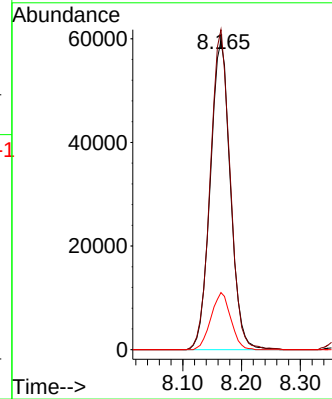
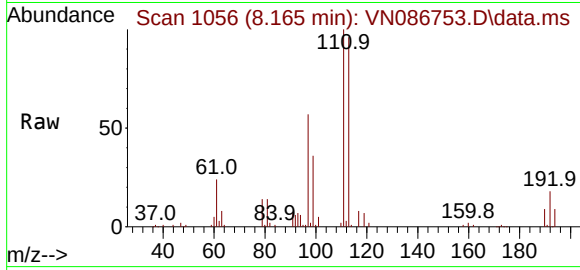
Tgt Ion:	113	Resp:	141520
Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.2
192	18.2	13.8	20.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#36

1,1-Dichloropropene

Concen: 17.257 ug/l

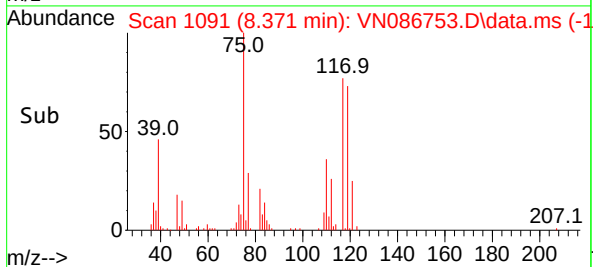
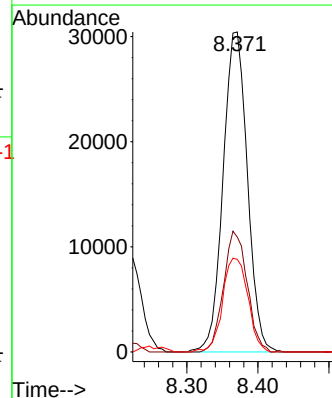
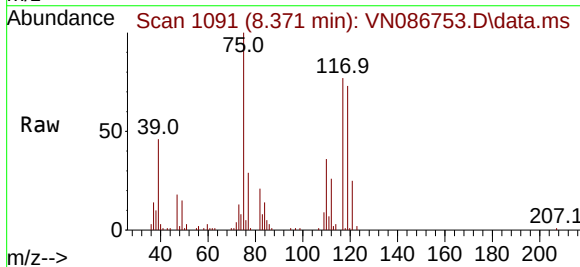
RT: 8.371 min Scan# 1091

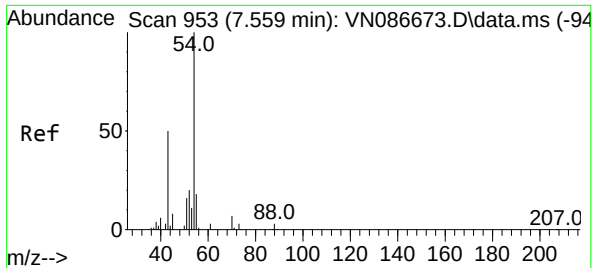
Delta R.T. 0.006 min

Lab File: VN086753.D

Acq: 22 May 2025 09:43

Tgt Ion:	75	Resp:	72279
Ion	Ratio	Lower	Upper
75	100		
110	36.7	17.5	52.5
77	30.5	25.1	37.7





#37

Ethyl Acetate

Concen: 15.657 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN086753.D

Acq: 22 May 2025 09:43

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

Tgt Ion: 43 Resp: 6624

Ion Ratio Lower Upper

43 100

61 14.9 11.6 17.4

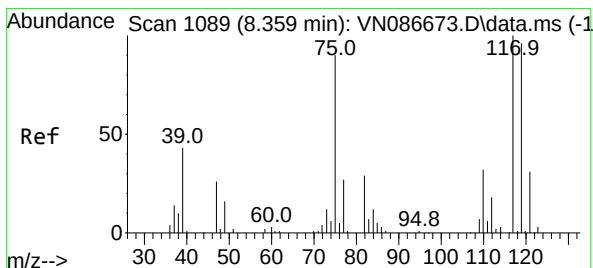
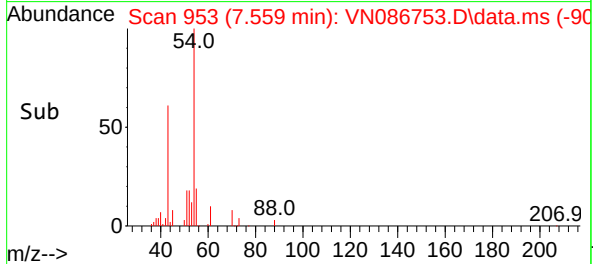
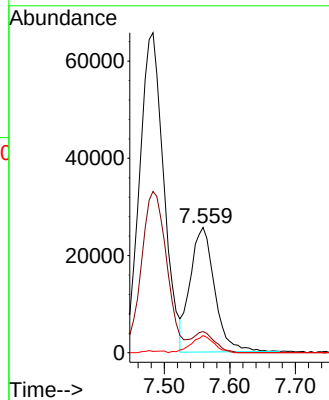
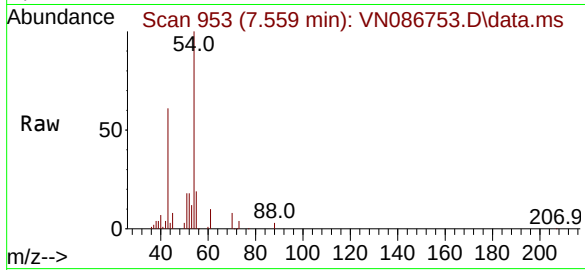
70 12.7 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#38

Carbon Tetrachloride

Concen: 18.012 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN086753.D

Acq: 22 May 2025 09:43

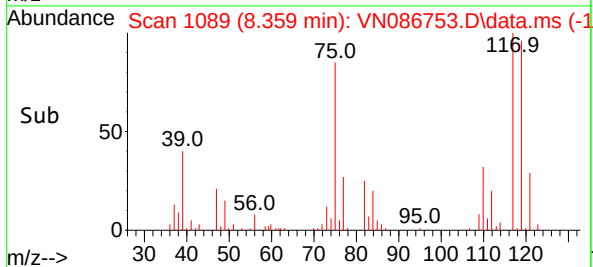
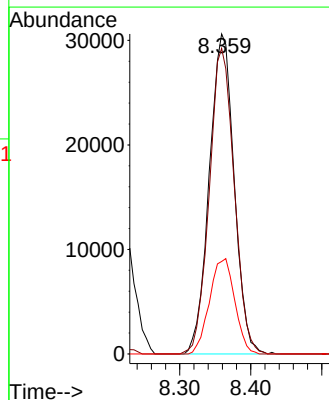
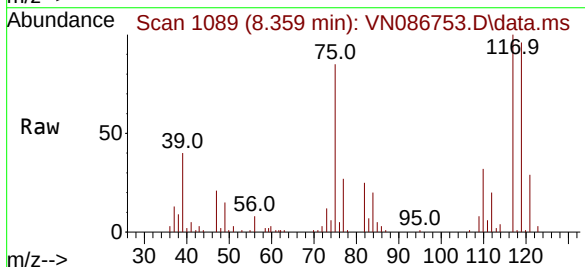
Tgt Ion:117 Resp: 74331

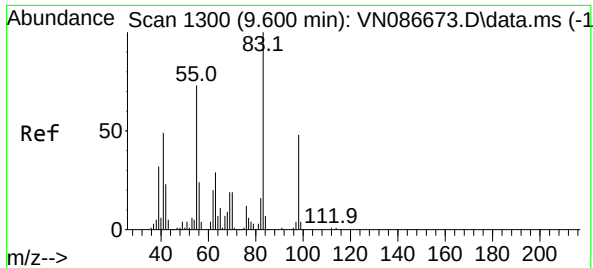
Ion Ratio Lower Upper

117 100

119 95.5 77.0 115.6

121 28.9 25.0 37.6





#39

Methylcyclohexane

Concen: 17.821 ug/l

RT: 9.594 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VN086753.D

Acq: 22 May 2025 09:43

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

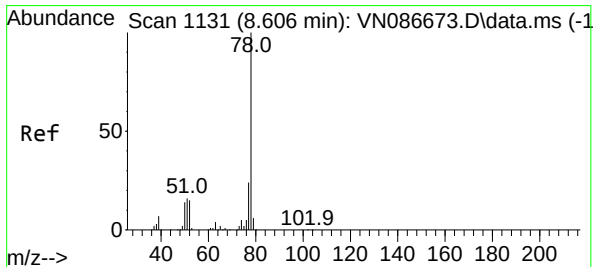
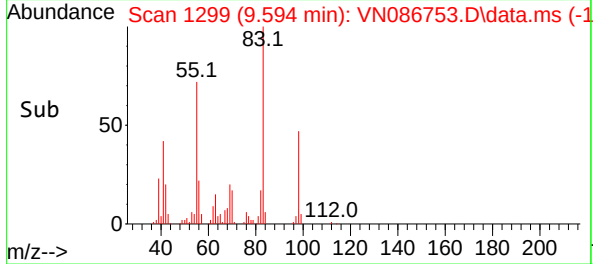
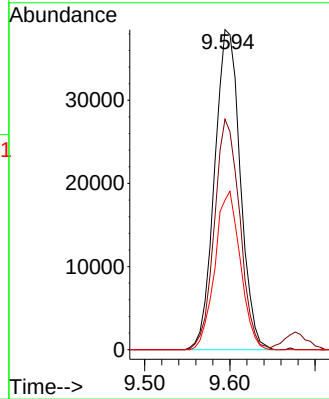
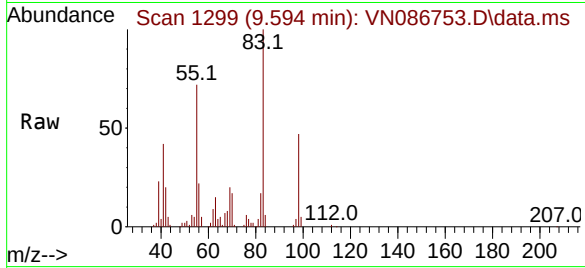
Tgt Ion:	83	Resp:	8078
Ion	Ratio	Lower	Upper
83	100		
55	72.0	58.2	87.4
98	46.8	38.4	57.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#40

Benzene

Concen: 17.308 ug/l

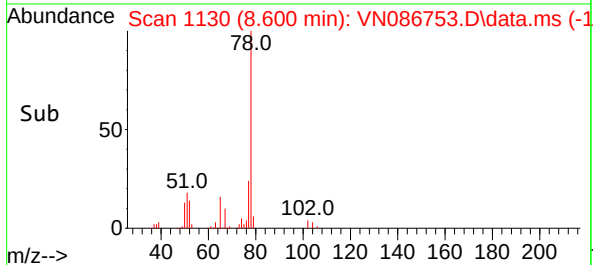
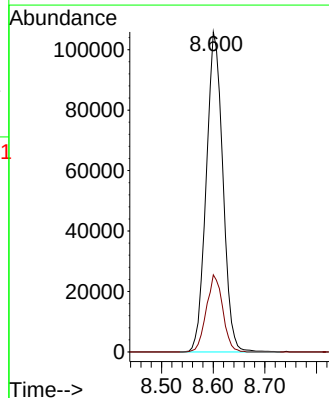
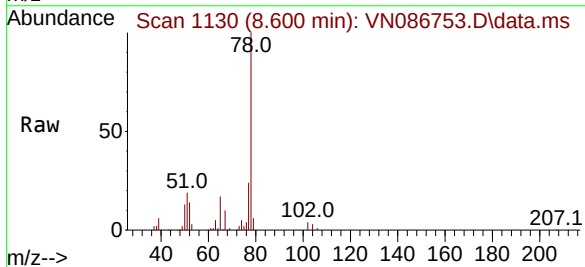
RT: 8.600 min Scan# 1130

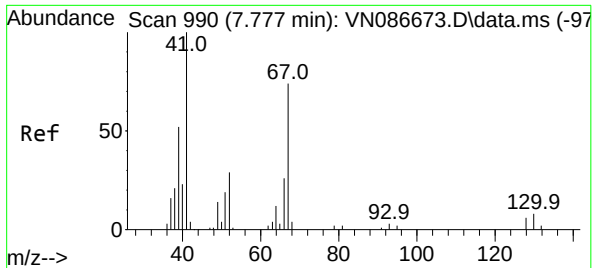
Delta R.T. -0.006 min

Lab File: VN086753.D

Acq: 22 May 2025 09:43

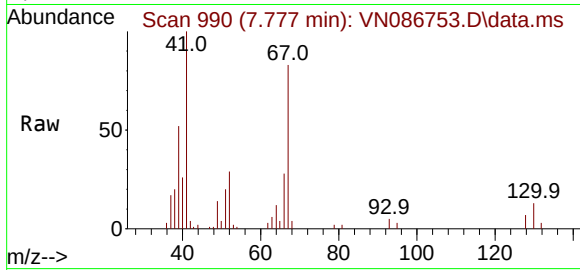
Tgt Ion:	78	Resp:	236475
Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7





#41
Methacrylonitrile
Concen: 15.741 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

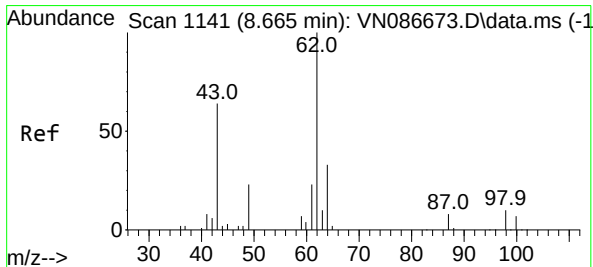
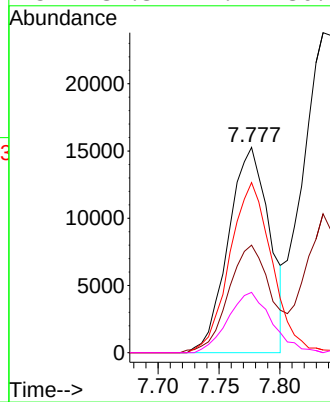
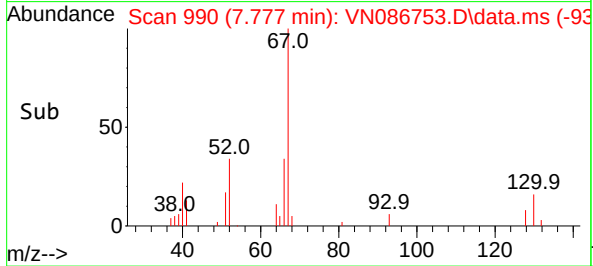
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01



Tgt Ion: 41 Resp: 35959
Ion Ratio Lower Upper
41 100
39 55.1 44.9 67.3
67 85.3 63.4 95.0
52 31.3 24.4 36.6

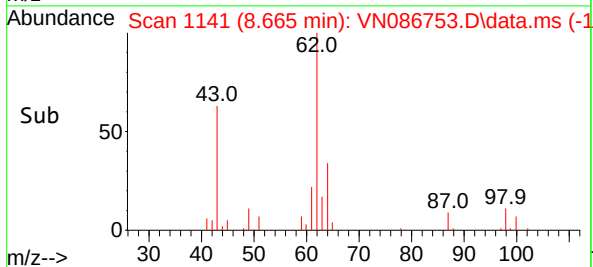
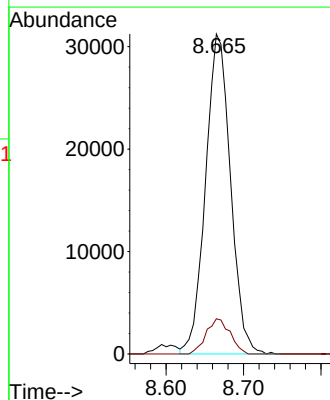
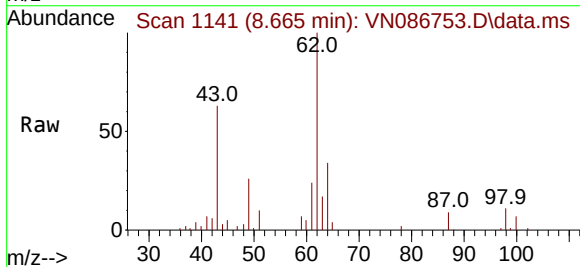
Manual Integrations
APPROVED

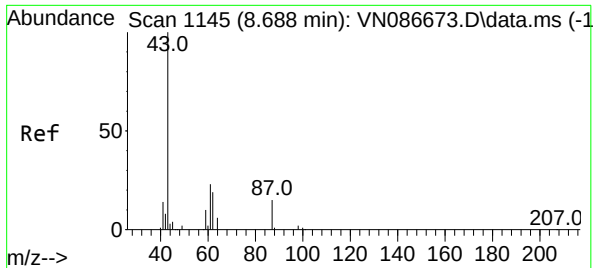
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#42
1,2-Dichloroethane
Concen: 16.402 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

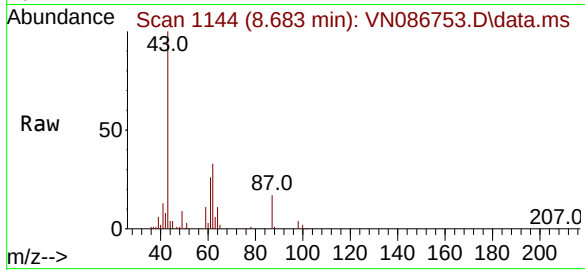
Tgt Ion: 62 Resp: 69818
Ion Ratio Lower Upper
62 100
98 10.5 0.0 19.2





#43
Isopropyl Acetate
Concen: 13.877 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

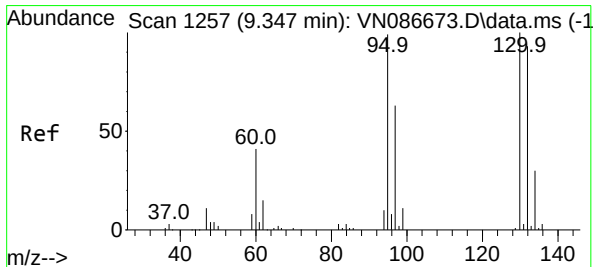
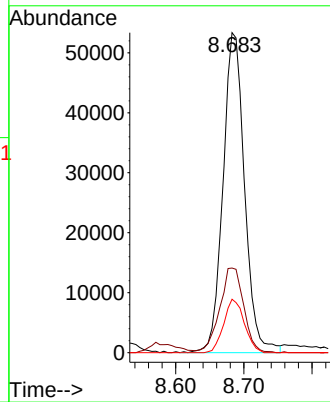
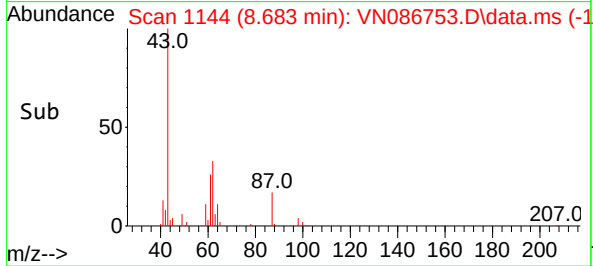
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01



Tgt Ion: 43 Resp: 117690
Ion Ratio Lower Upper
43 100
61 29.3 21.4 32.2
87 15.9 11.1 16.7

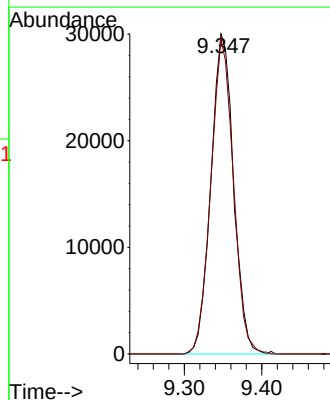
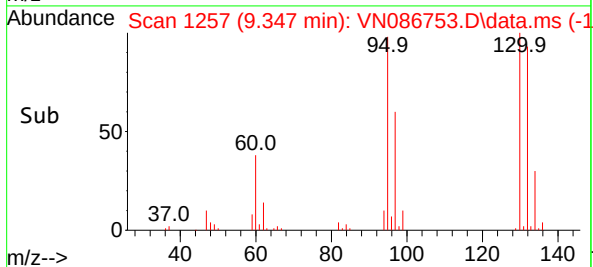
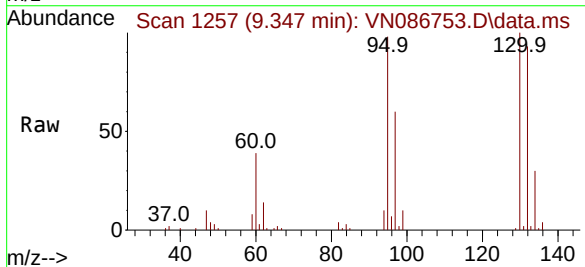
Manual Integrations
APPROVED

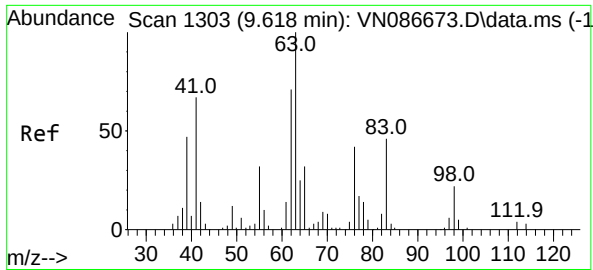
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#44
Trichloroethene
Concen: 18.457 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

Tgt Ion:130 Resp: 60825
Ion Ratio Lower Upper
130 100
95 98.3 0.0 197.0





#45

1,2-Dichloropropane

Concen: 16.926 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086753.D

Acq: 22 May 2025 09:43

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

Tgt Ion: 63 Resp: 54938

Ion Ratio Lower Upper

63 100

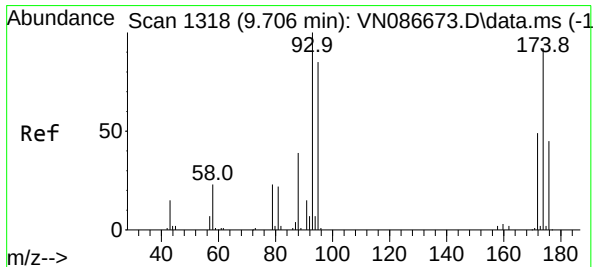
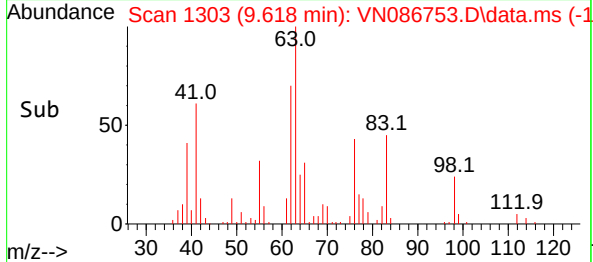
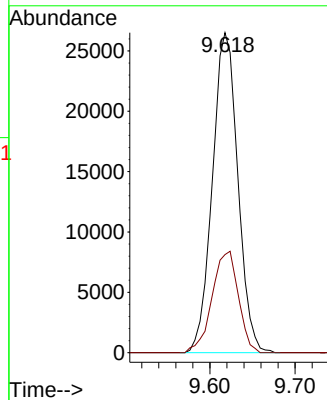
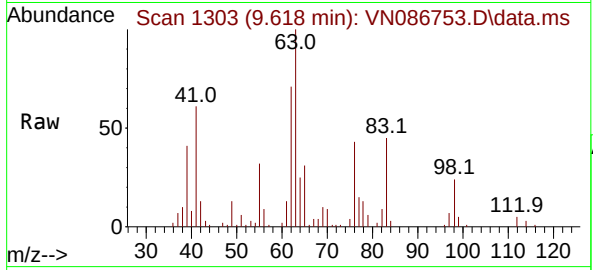
65 30.7 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#46

Dibromomethane

Concen: 17.393 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086753.D

Acq: 22 May 2025 09:43

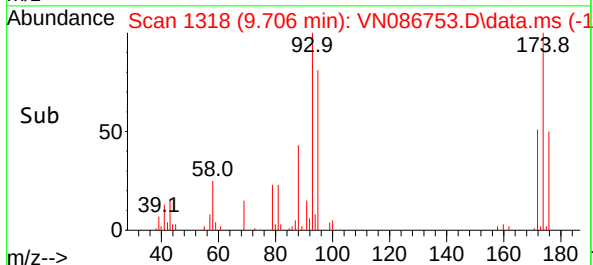
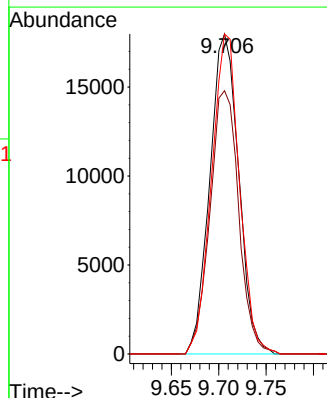
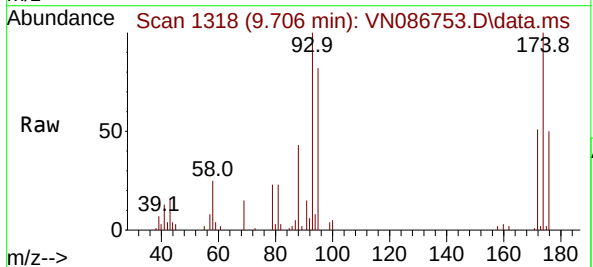
Tgt Ion: 93 Resp: 38093

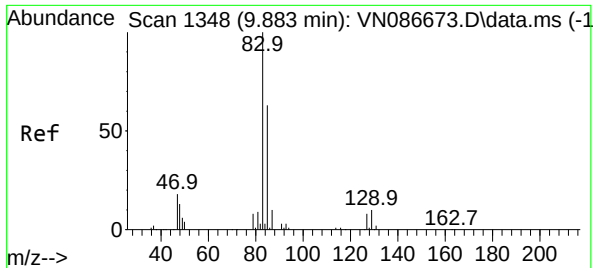
Ion Ratio Lower Upper

93 100

95 82.0 67.1 100.7

174 96.7 73.8 110.6





#47

Bromodichloromethane

Concen: 17.238 ug/l

RT: 9.882 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VN086753.D

Acq: 22 May 2025 09:43

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

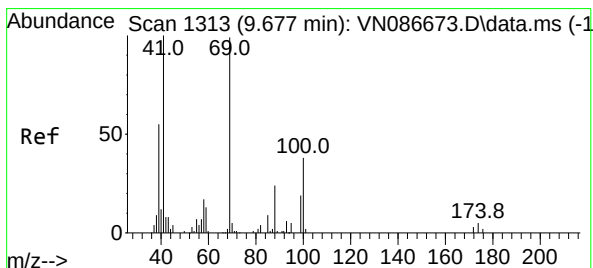
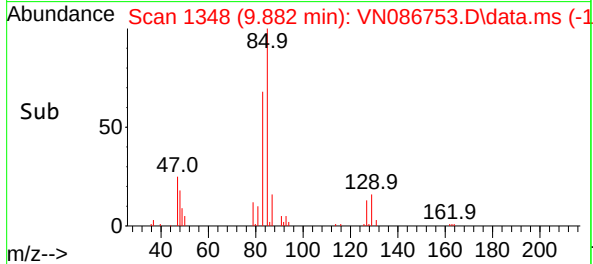
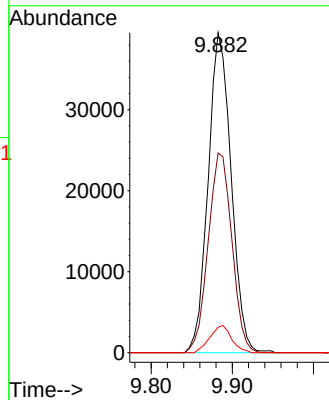
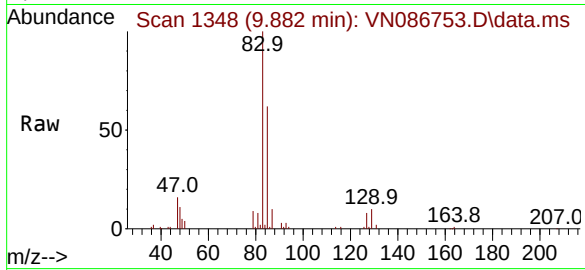
Tgt Ion:	83	Resp:	7778
Ion Ratio	Lower	Upper	
83	100		
85	62.4	50.1	75.1
127	8.0	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#48

Methyl methacrylate

Concen: 15.982 ug/l

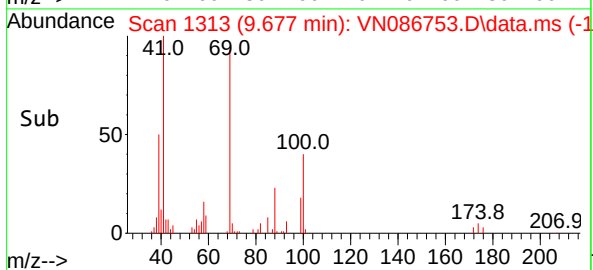
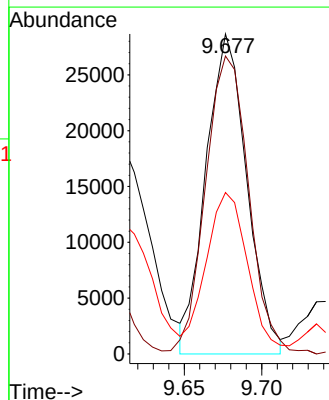
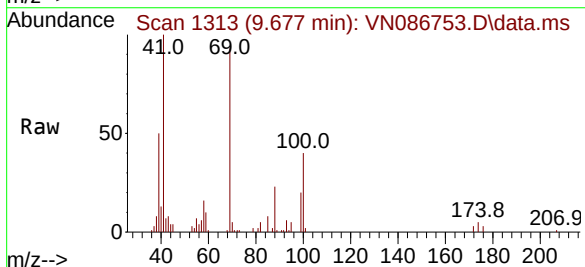
RT: 9.677 min Scan# 1313

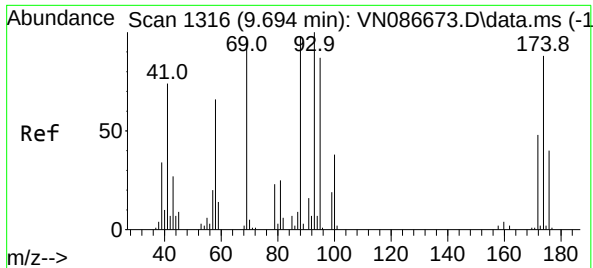
Delta R.T. -0.000 min

Lab File: VN086753.D

Acq: 22 May 2025 09:43

Tgt Ion:	41	Resp:	52526
Ion Ratio	Lower	Upper	
41	100		
69	98.7	74.1	111.1
39	52.4	44.1	66.1





#49

1,4-Dioxane

Concen: 376.214 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN086753.D

Acq: 22 May 2025 09:43

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

Tgt Ion: 88 Resp: 2618

Ion Ratio Lower Upper

88 100

43 21.5 23.6 35.4

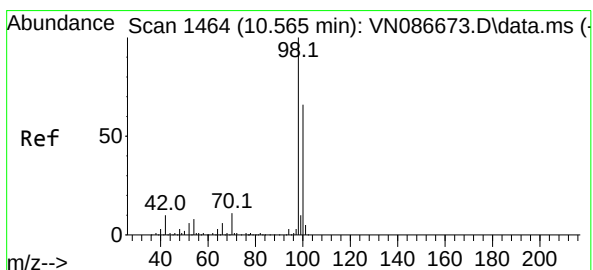
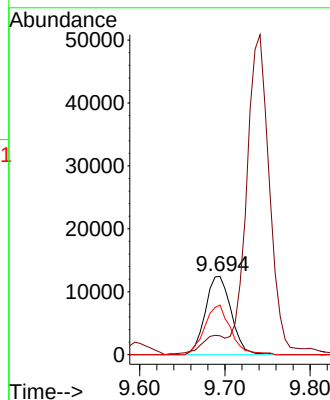
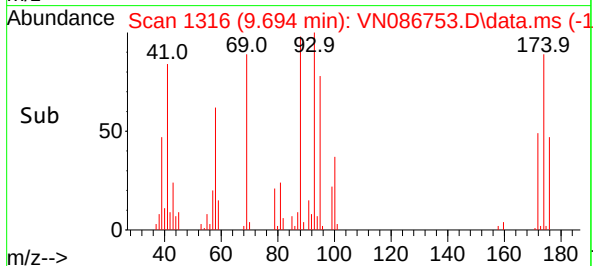
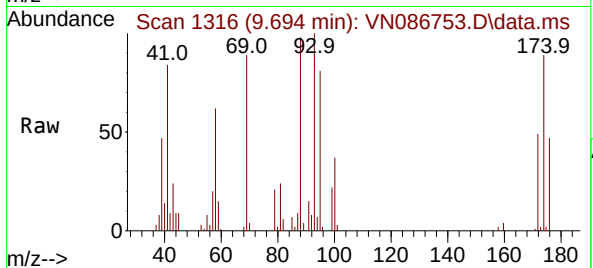
58 63.9 55.3 82.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#50

Toluene-d8

Concen: 49.343 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086753.D

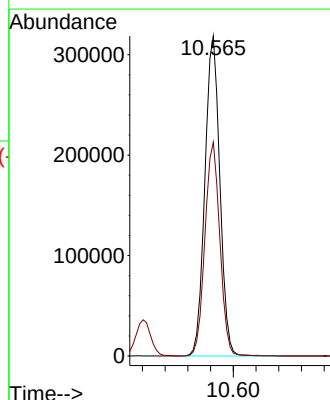
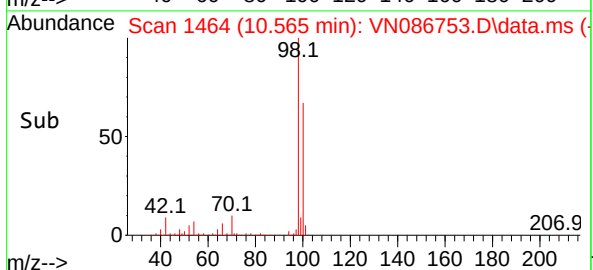
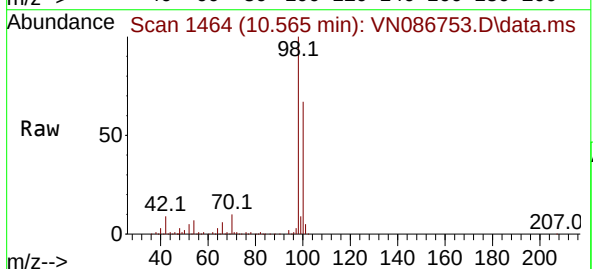
Acq: 22 May 2025 09:43

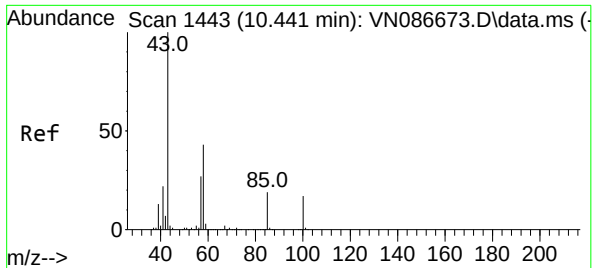
Tgt Ion: 98 Resp: 580621

Ion Ratio Lower Upper

98 100

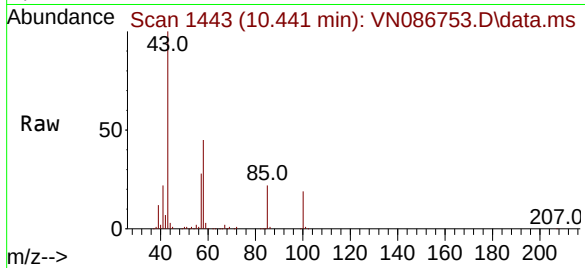
100 66.7 52.9 79.3





#51
4-Methyl-2-Pentanone
Concen: 79.472 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

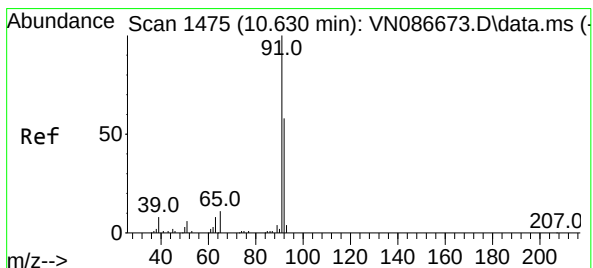
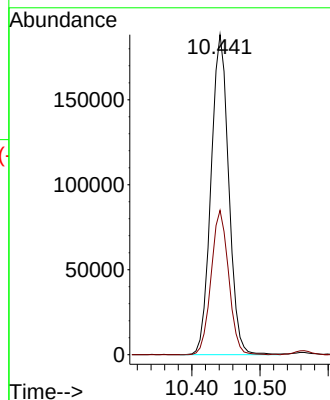
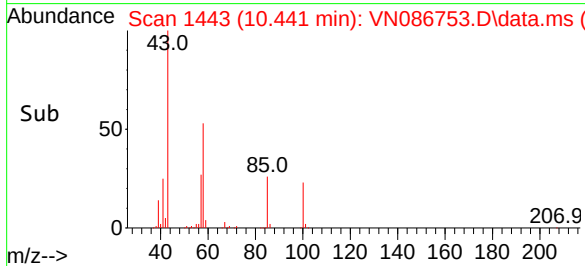
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01



Tgt Ion: 43 Resp: 339918
Ion Ratio Lower Upper
43 100
58 44.6 33.9 50.9

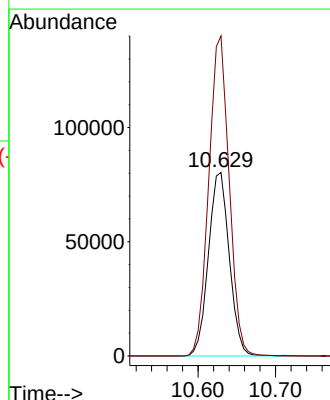
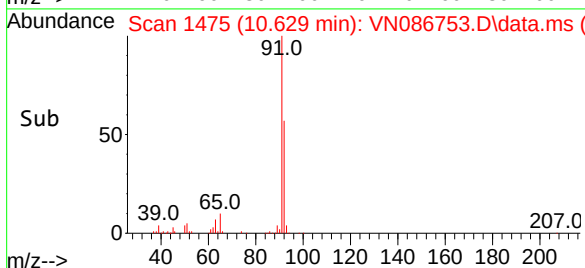
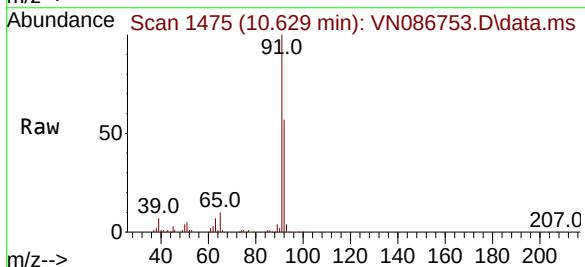
Manual Integrations
APPROVED

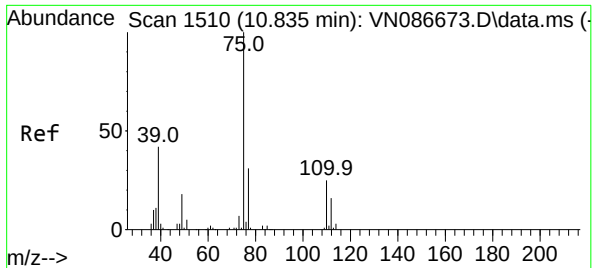
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#52
Toluene
Concen: 17.694 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

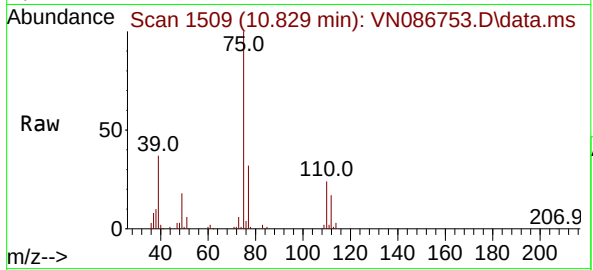
Tgt Ion: 92 Resp: 150259
Ion Ratio Lower Upper
92 100
91 170.4 137.8 206.8





#53
t-1,3-Dichloropropene
Concen: 17.437 ug/l
RT: 10.829 min Scan# 1509
Delta R.T. -0.006 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

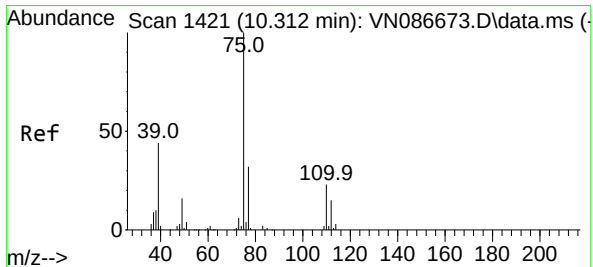
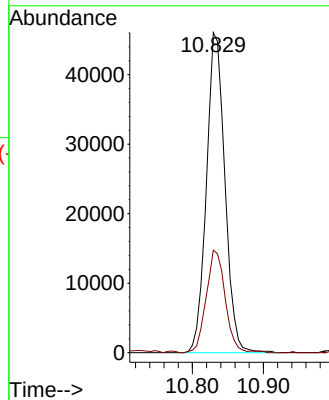
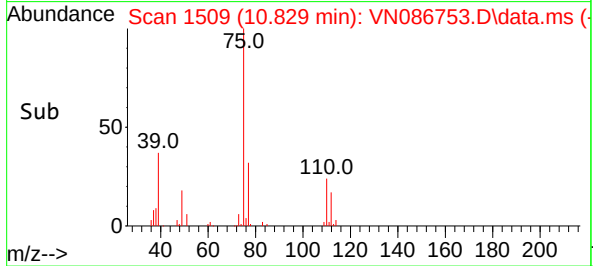
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01



Tgt Ion: 75 Resp: 83312
Ion Ratio Lower Upper
75 100
77 32.0 25.2 37.8

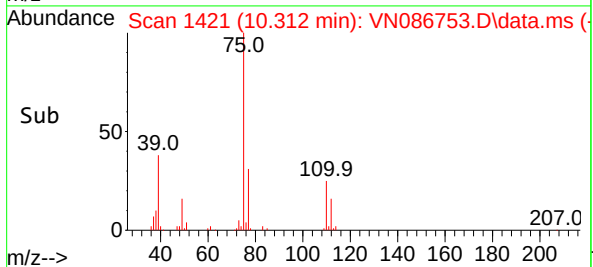
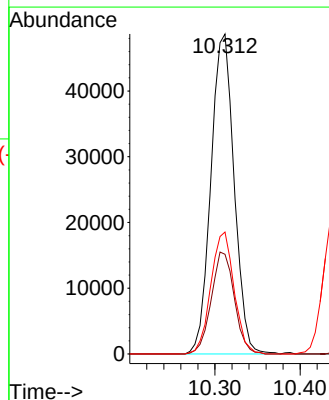
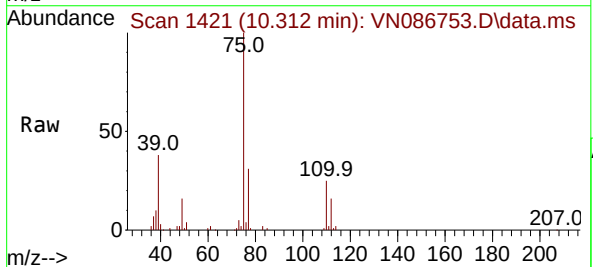
Manual Integrations
APPROVED

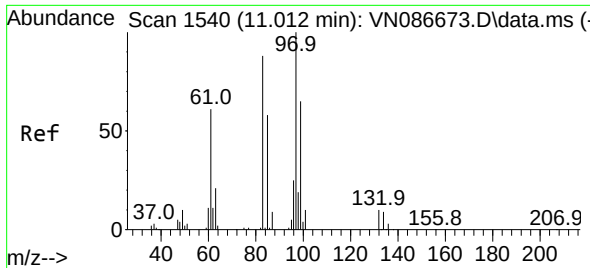
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#54
cis-1,3-Dichloropropene
Concen: 17.697 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

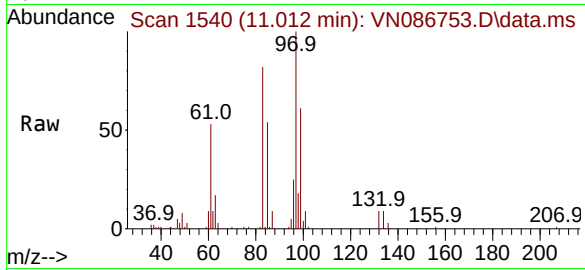
Tgt Ion: 75 Resp: 92300
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9
39 38.1 35.2 52.8





#55
1,1,2-Trichloroethane
Concen: 17.159 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

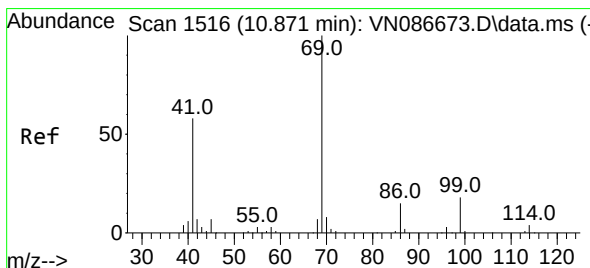
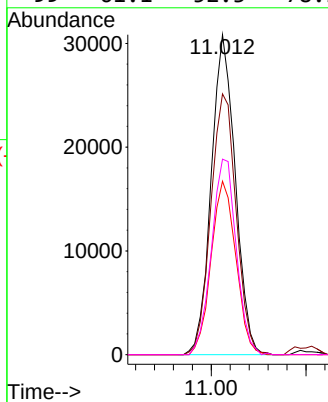
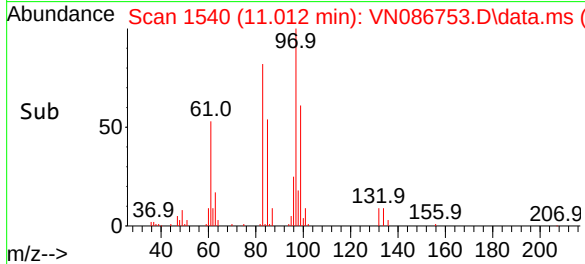
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01



Tgt Ion: 97 Resp: 5435
Ion Ratio Lower Upper
97 100
83 81.5 70.4 105.6
85 54.2 46.1 69.1
99 61.1 52.3 78.5

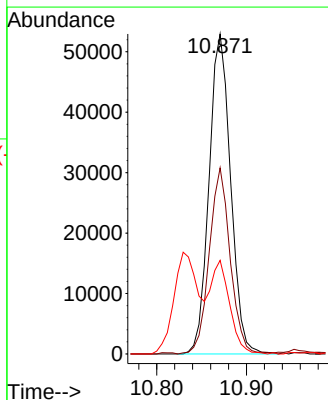
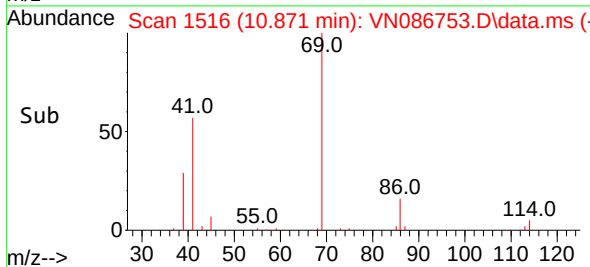
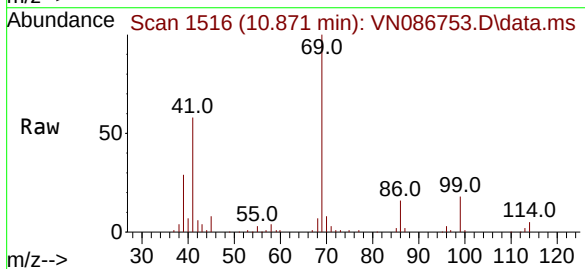
Manual Integrations
APPROVED

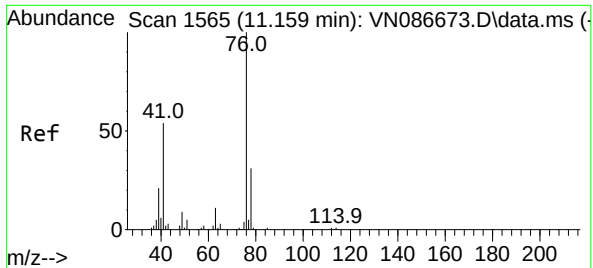
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#56
Ethyl methacrylate
Concen: 17.375 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

Tgt Ion: 69 Resp: 88371
Ion Ratio Lower Upper
69 100
41 56.6 47.4 71.0
39 26.2 24.0 36.0





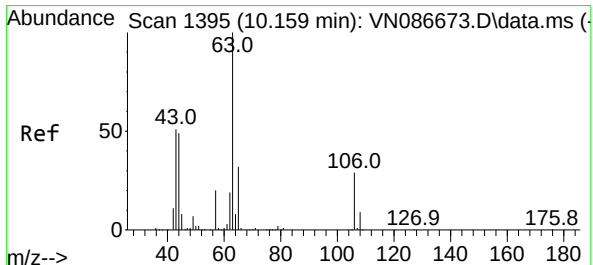
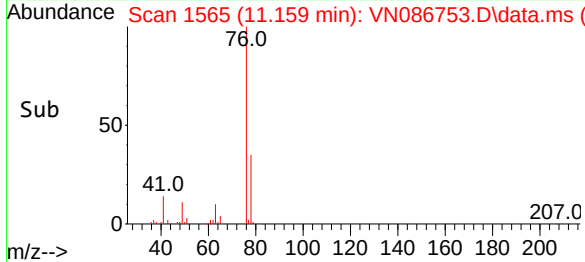
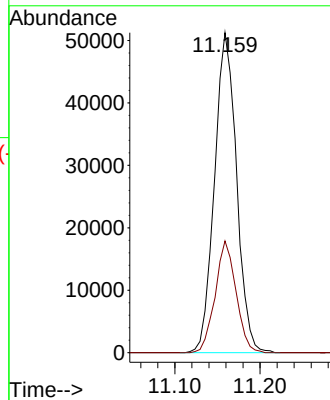
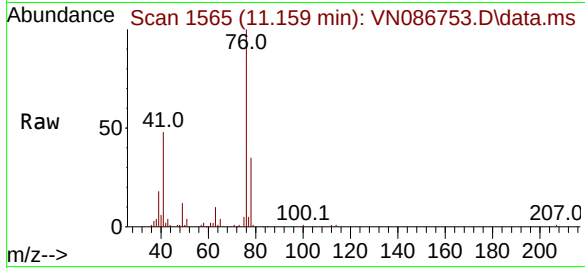
#57
1,3-Dichloropropane
Concen: 16.892 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tgt Ion: 76 Resp: 92180
Ion Ratio Lower Upper
76 100
78 33.0 25.8 38.8

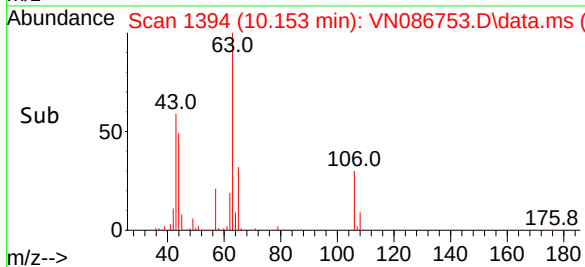
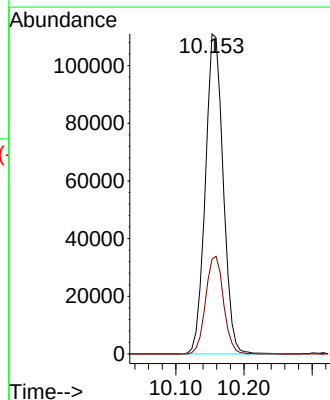
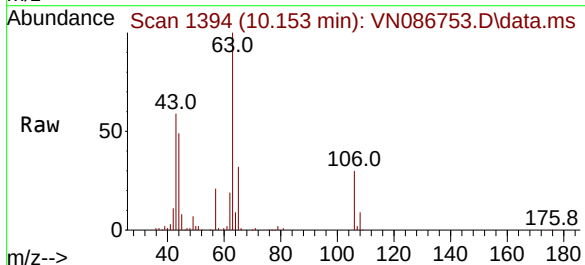
Manual Integrations
APPROVED

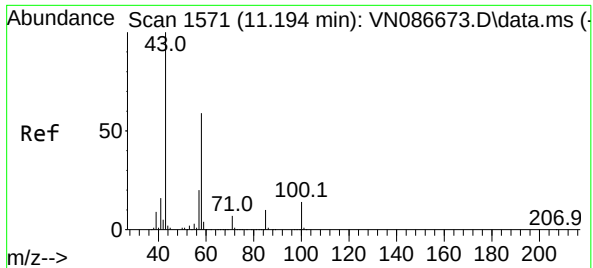
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#58
2-Chloroethyl Vinyl ether
Concen: 88.751 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

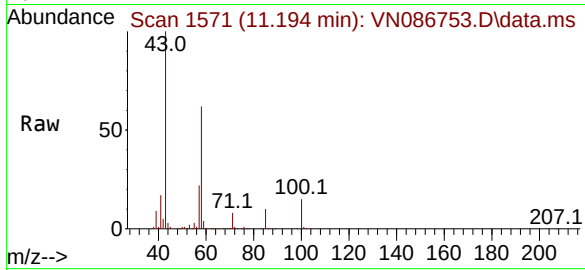
Tgt Ion: 63 Resp: 201742
Ion Ratio Lower Upper
63 100
106 30.6 23.1 34.7





#59
2-Hexanone
Concen: 80.529 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

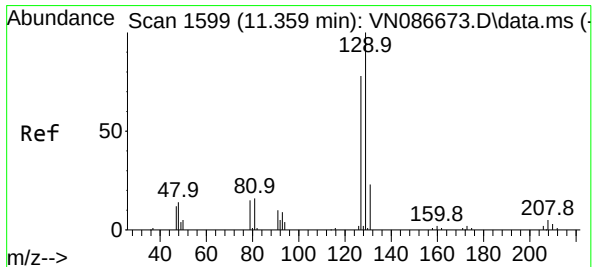
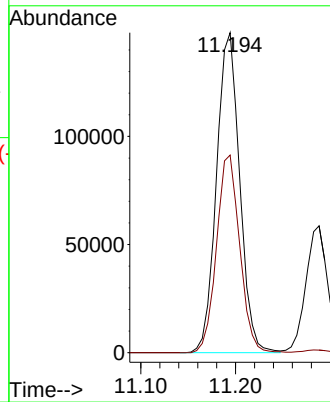
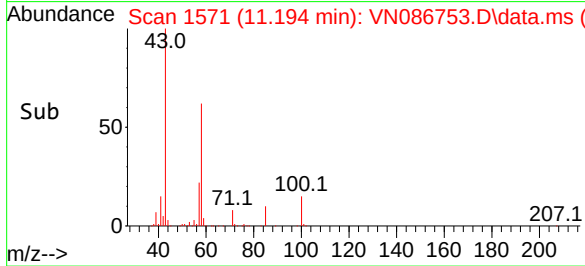
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01



Tgt Ion: 43 Resp: 251528
Ion Ratio Lower Upper
43 100
58 61.7 29.8 89.5

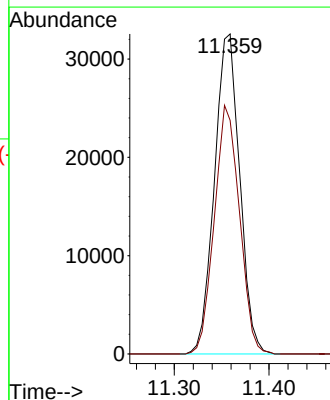
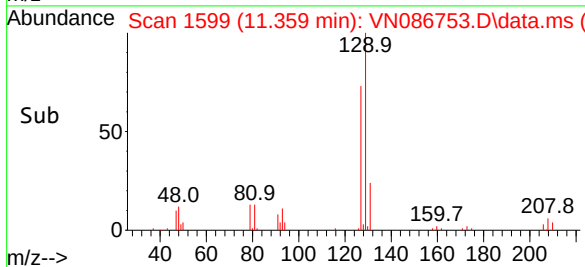
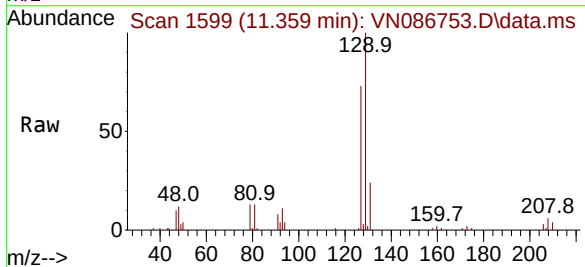
Manual Integrations
APPROVED

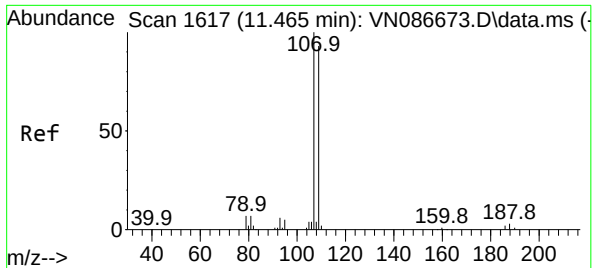
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#60
Dibromochloromethane
Concen: 18.193 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

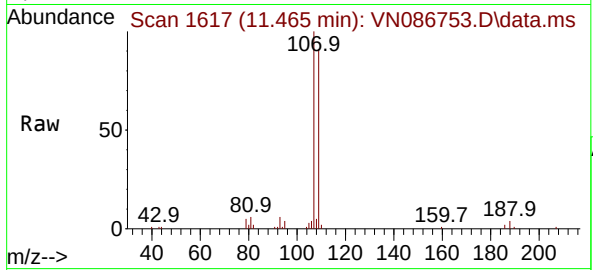
Tgt Ion:129 Resp: 60399
Ion Ratio Lower Upper
129 100
127 77.3 39.5 118.3





#61
1,2-Dibromoethane
Concen: 17.423 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

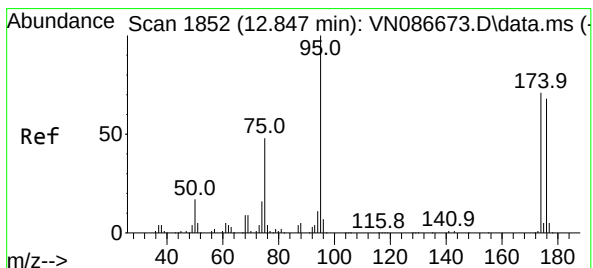
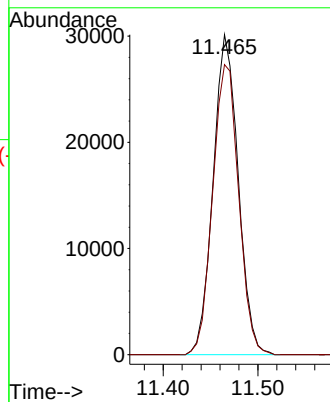
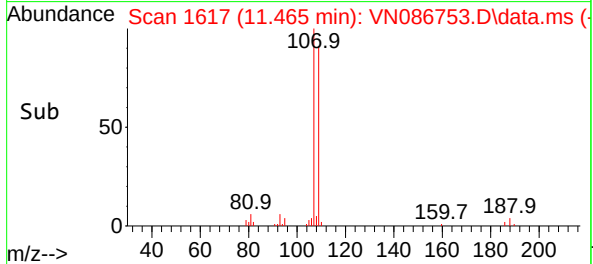
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01



Tgt Ion:107 Resp: 55462
Ion Ratio Lower Upper
107 100
109 94.1 75.0 112.4

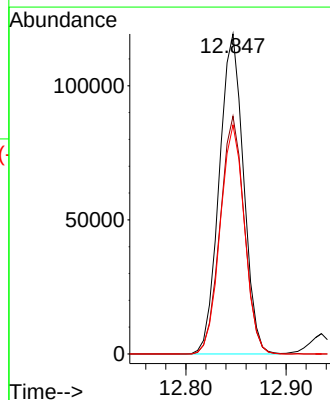
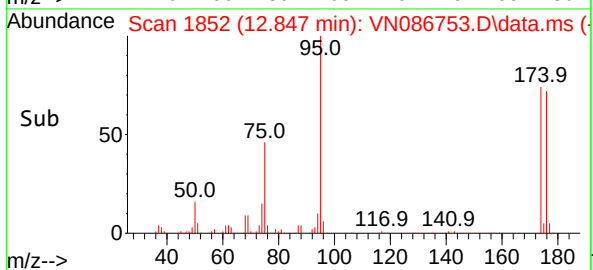
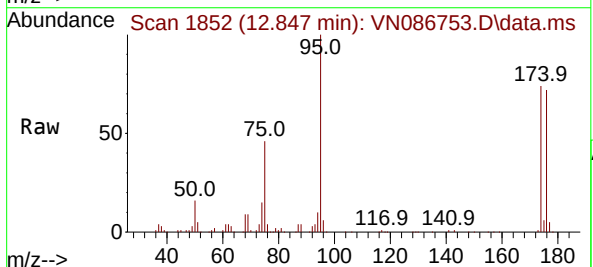
Manual Integrations
APPROVED

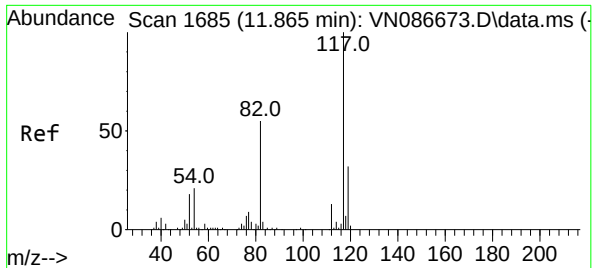
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#62
4-Bromofluorobenzene
Concen: 48.294 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

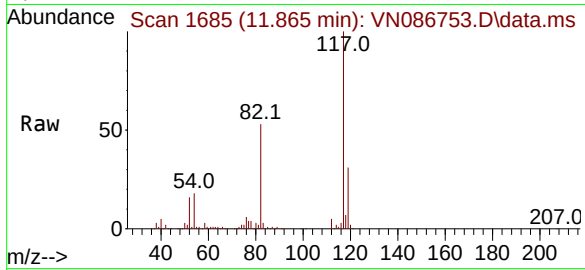
Tgt Ion: 95 Resp: 200653
Ion Ratio Lower Upper
95 100
174 73.7 0.0 145.4
176 71.5 0.0 137.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

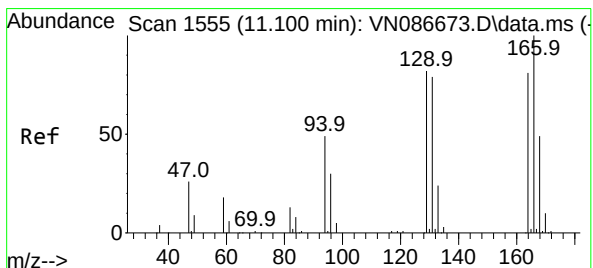
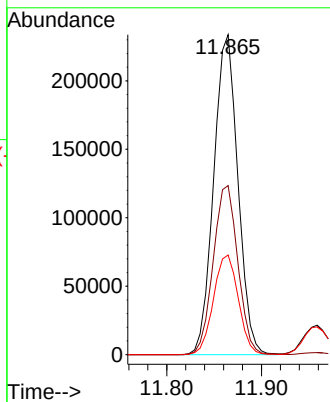
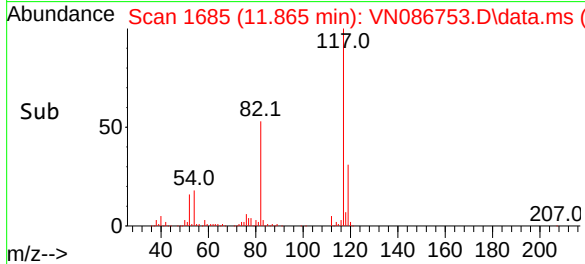
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01



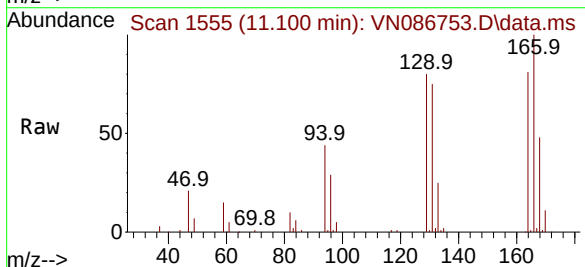
Tgt Ion:117 Resp: 414970
Ion Ratio Lower Upper
117 100
82 52.9 44.2 66.2
119 31.1 25.4 38.2

Manual Integrations
APPROVED

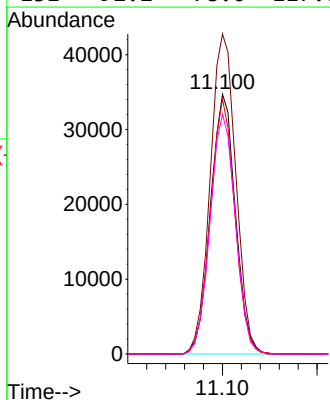
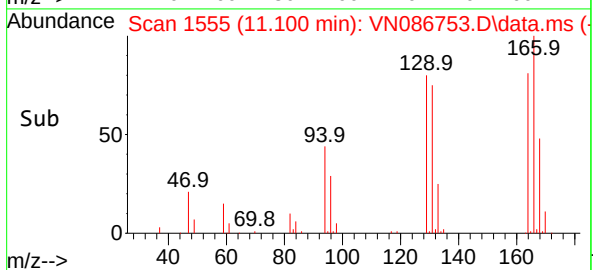
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

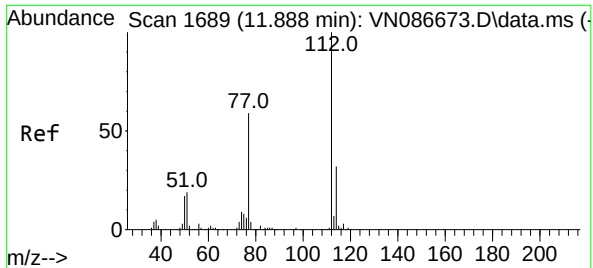


#64
Tetrachloroethene
Concen: 19.975 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43



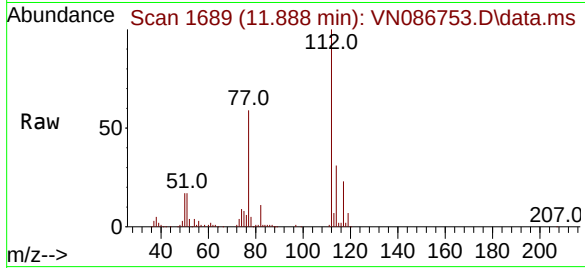
Tgt Ion:164 Resp: 63499
Ion Ratio Lower Upper
164 100
166 123.1 98.2 147.4
129 98.1 81.0 121.4
131 92.2 78.0 117.0





#65
Chlorobenzene
Concen: 18.282 ug/l
RT: 11.888 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

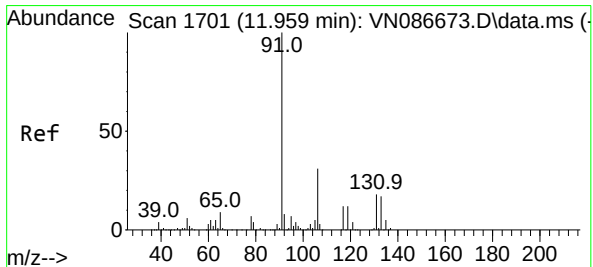
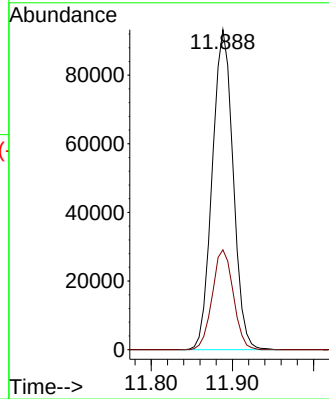
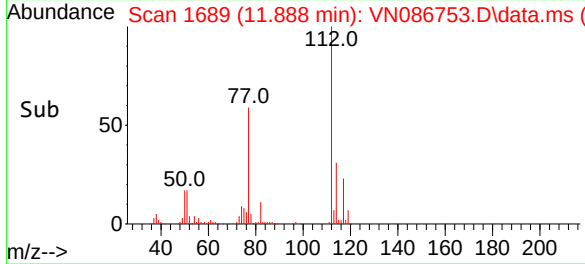
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01



Tgt Ion:112 Resp: 166364
Ion Ratio Lower Upper
112 100
114 31.2 25.9 38.9

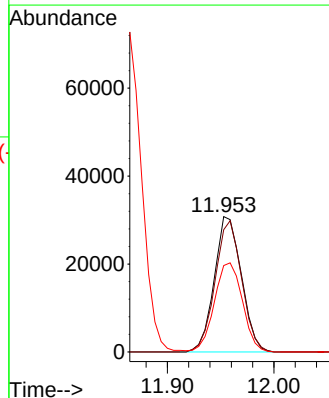
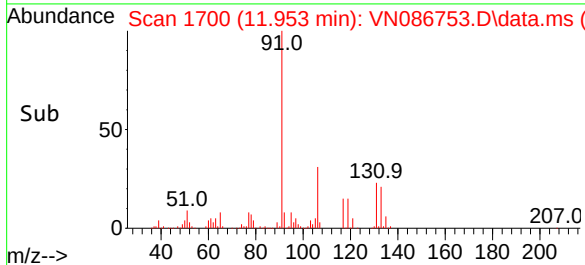
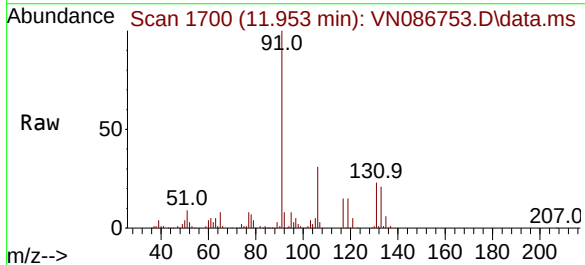
Manual Integrations
APPROVED

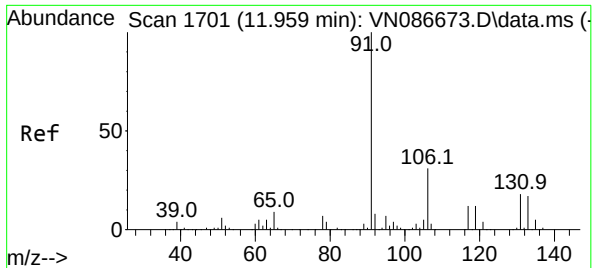
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 18.523 ug/l
RT: 11.953 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

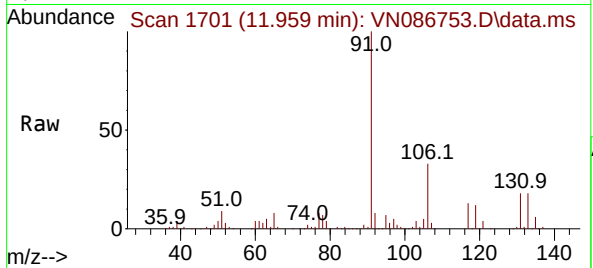
Tgt Ion:131 Resp: 54412
Ion Ratio Lower Upper
131 100
133 94.9 47.9 143.7
119 68.1 33.6 100.8





#67
Ethyl Benzene
Concen: 17.798 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

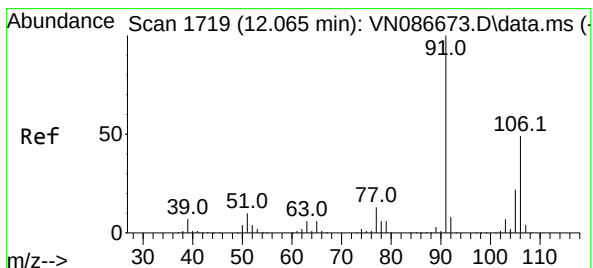
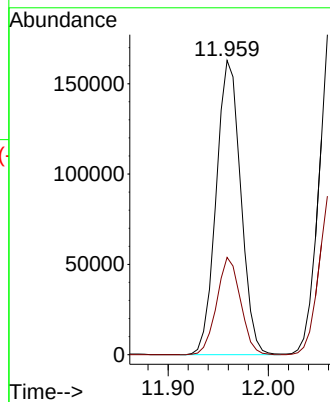
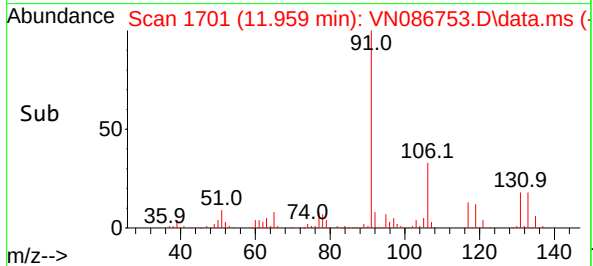
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01



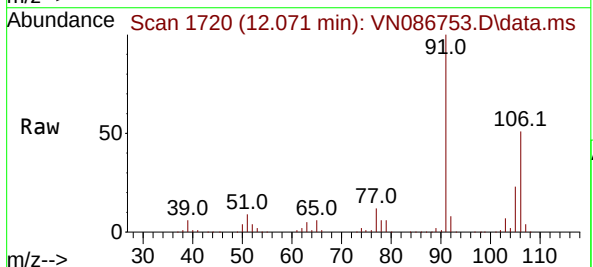
Tgt Ion: 91 Resp: 277400
Ion Ratio Lower Upper
91 100
106 33.1 24.6 36.8

Manual Integrations
APPROVED

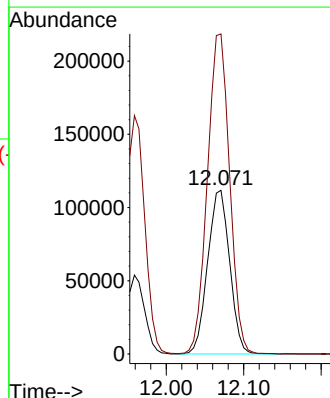
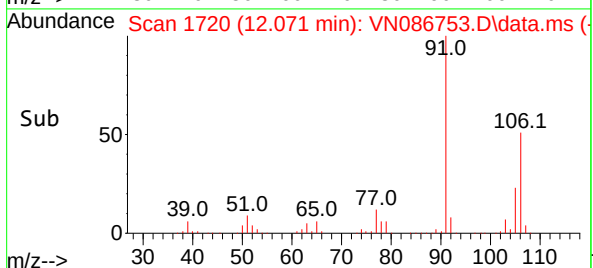
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

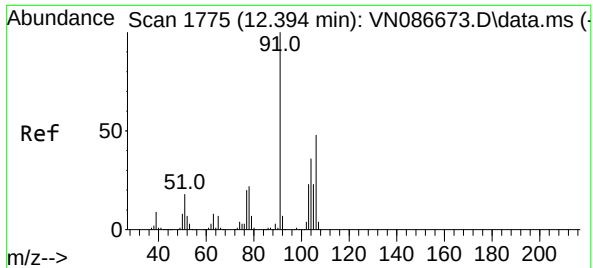


#68
m/p-Xylenes
Concen: 37.273 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43



Tgt Ion:106 Resp: 220040
Ion Ratio Lower Upper
106 100
91 198.1 162.4 243.6





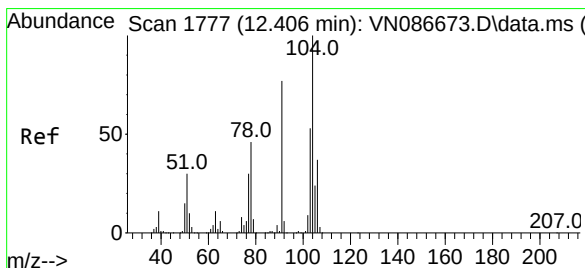
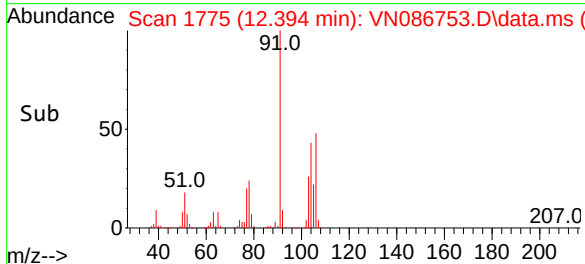
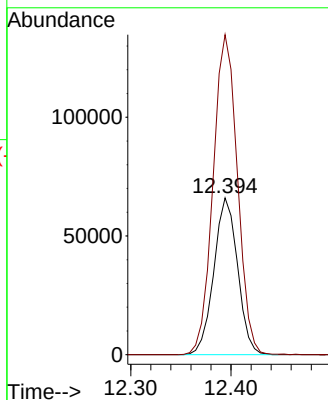
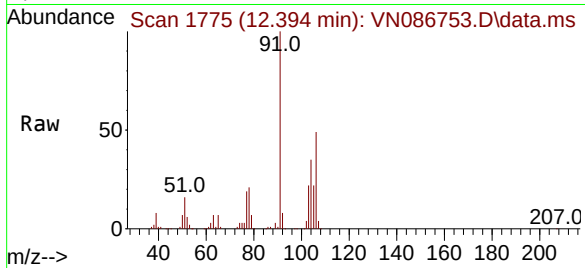
#69
o-Xylene
Concen: 18.496 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tgt Ion:106 Resp: 108558
Ion Ratio Lower Upper
106 100
91 209.5 105.1 315.1

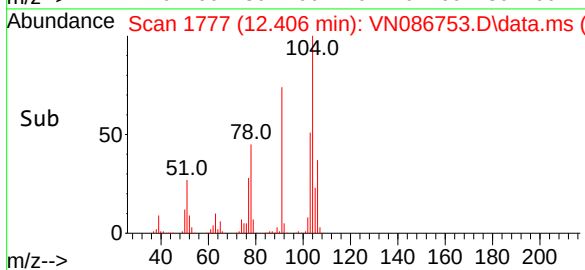
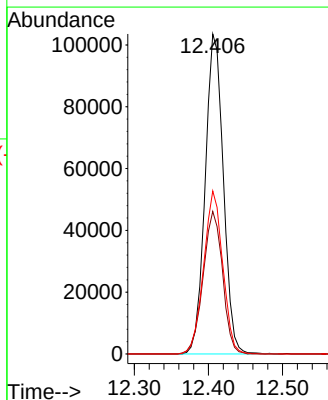
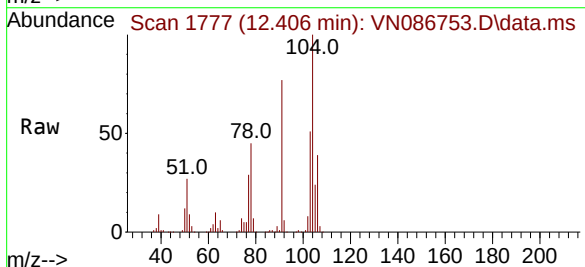
Manual Integrations
APPROVED

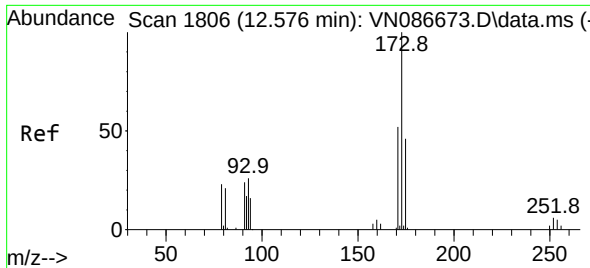
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#70
Styrene
Concen: 18.369 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

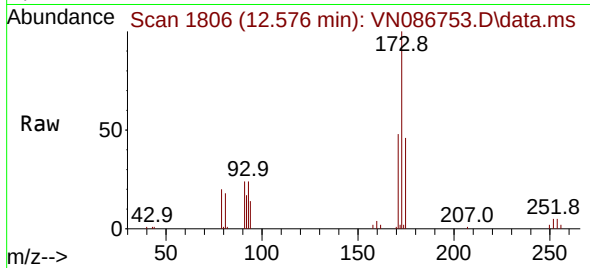
Tgt Ion:104 Resp: 176507
Ion Ratio Lower Upper
104 100
78 47.6 39.0 58.6
103 53.6 43.8 65.8





#71
Bromoform
Concen: 19.119 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

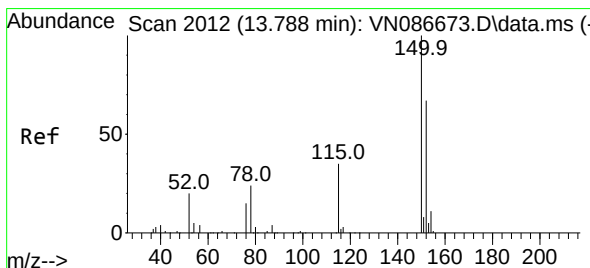
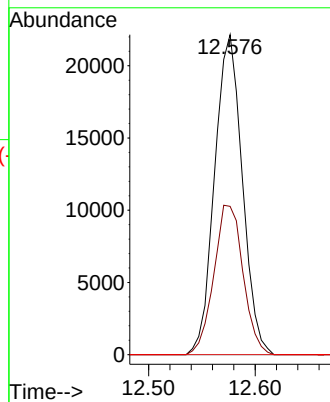
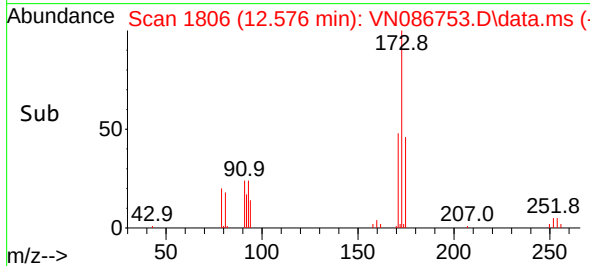
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01



Tgt Ion:173 Resp: 3994
Ion Ratio Lower Upper
173 100
175 49.3 23.4 70.2
254 0.0 0.0 0.0

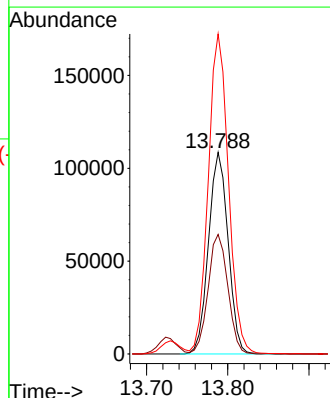
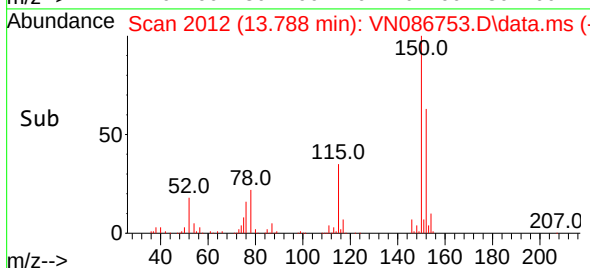
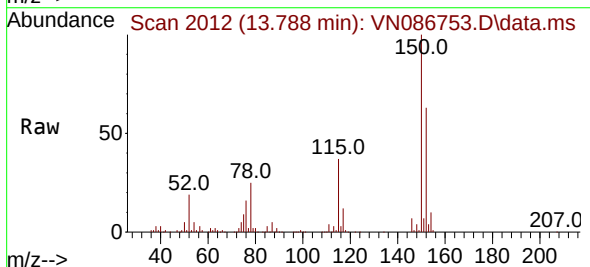
Manual Integrations
APPROVED

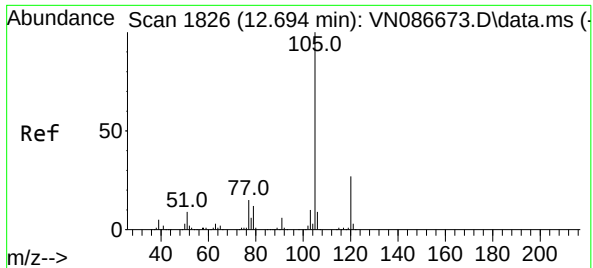
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

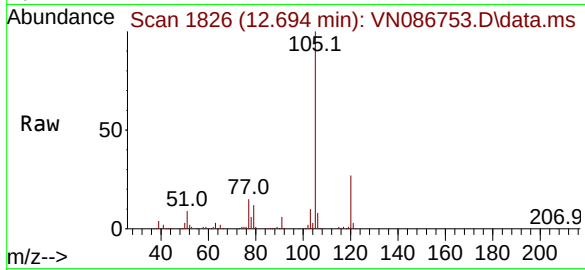
Tgt Ion:152 Resp: 181924
Ion Ratio Lower Upper
152 100
115 59.7 30.0 90.1
150 163.8 0.0 347.8





#73
Isopropylbenzene
Concen: 18.155 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

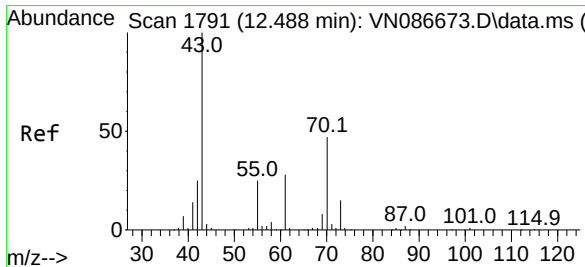
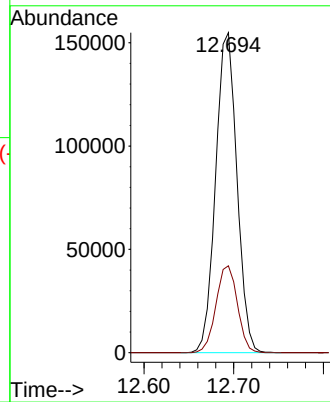
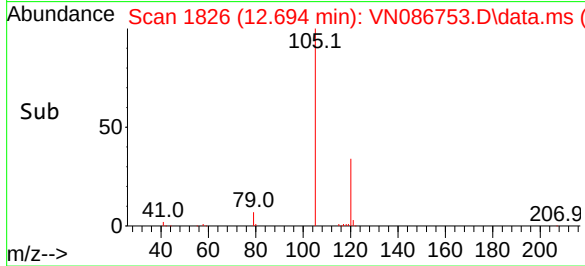
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01



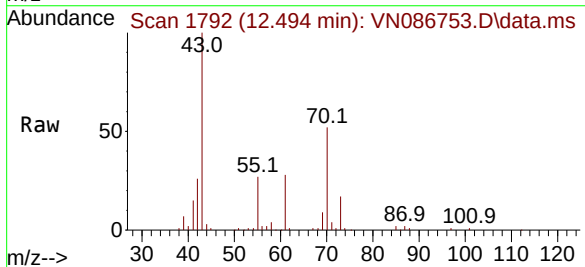
Tgt Ion:105 Resp: 255094
Ion Ratio Lower Upper
105 100
120 27.3 13.4 40.1

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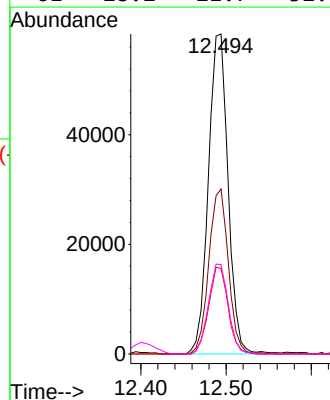
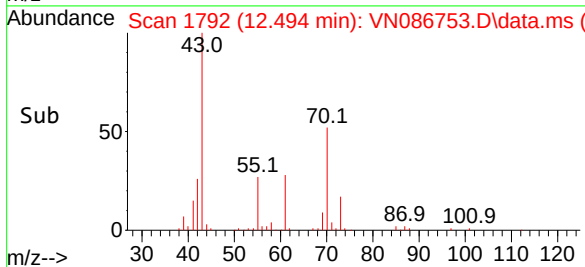
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

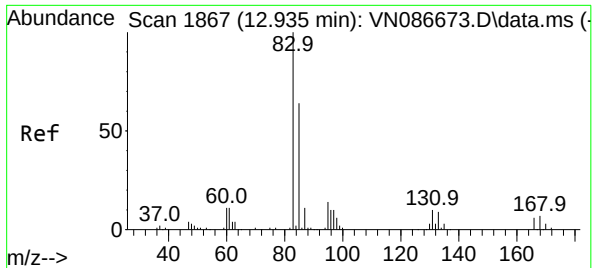


#74
N-ethyl acetate
Concen: 15.950 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43



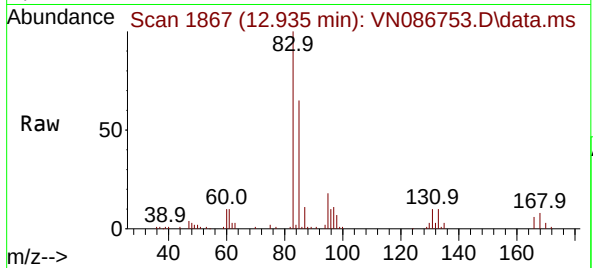
Tgt Ion: 43 Resp: 93636
Ion Ratio Lower Upper
43 100
70 51.2 37.9 56.9
55 26.8 20.5 30.7
61 28.2 21.7 32.5





#75
1,1,2-Tetrachloroethane
Concen: 16.648 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

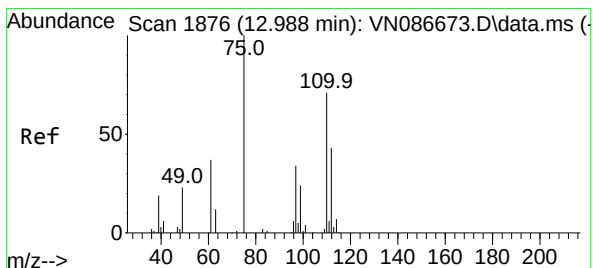
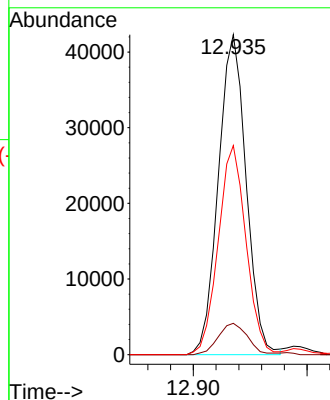
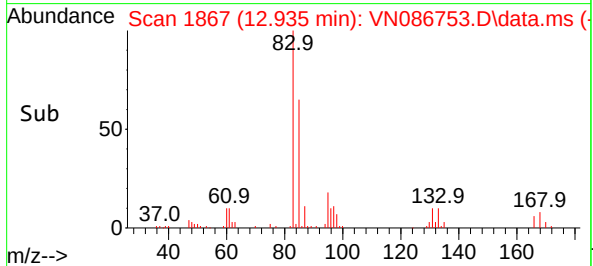
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01



Tgt Ion: 83 Resp: 71864
Ion Ratio Lower Upper
83 100
131 10.3 5.0 15.0
85 65.3 32.4 97.2

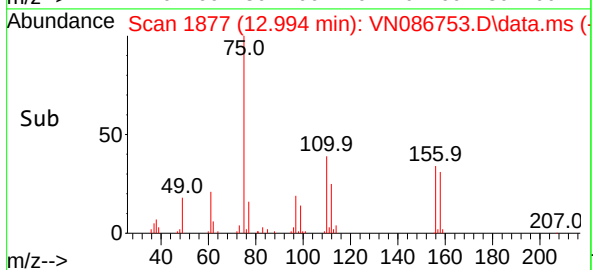
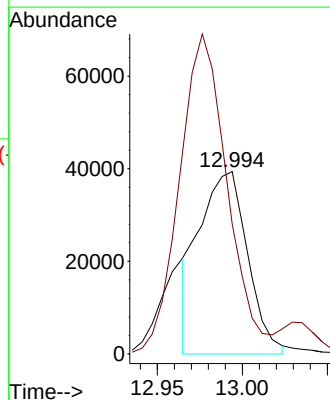
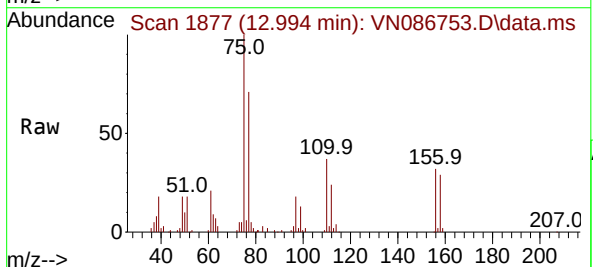
Manual Integrations
APPROVED

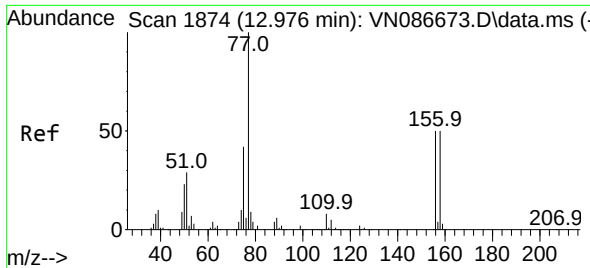
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#76
1,2,3-Trichloropropane
Concen: 19.000 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

Tgt Ion: 75 Resp: 78175
Ion Ratio Lower Upper
75 100
77 173.1 96.0 288.1





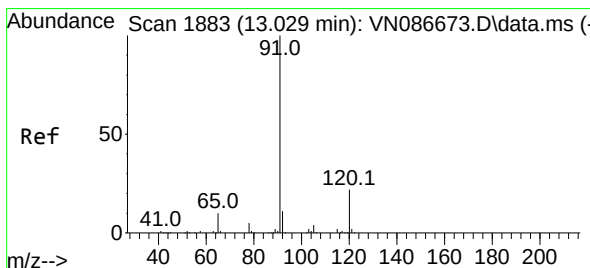
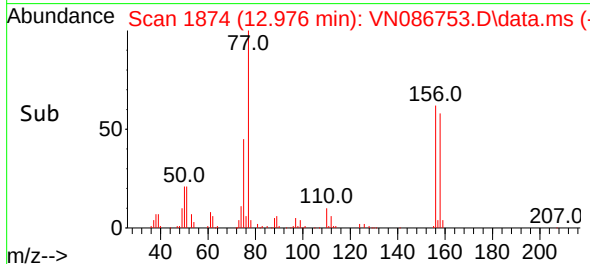
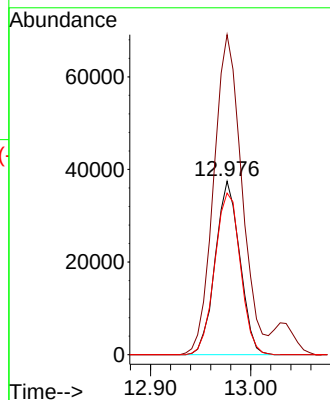
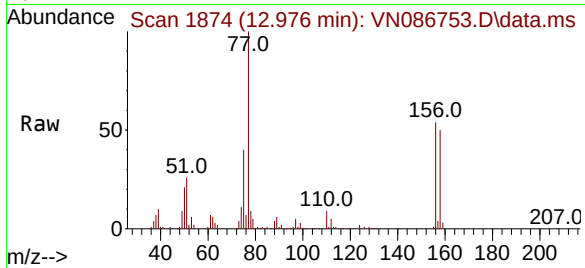
#77
Bromobenzene
Concen: 18.049 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tgt Ion:156 Resp: 6379
Ion Ratio Lower Upper
156 100
77 212.2 113.1 339.2
158 97.4 48.6 145.9

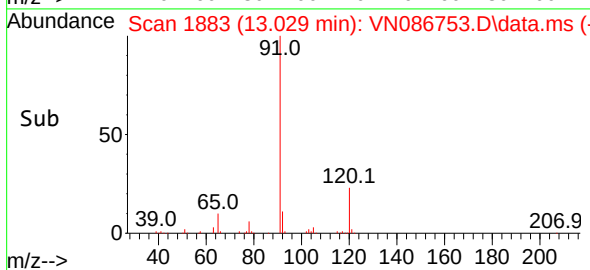
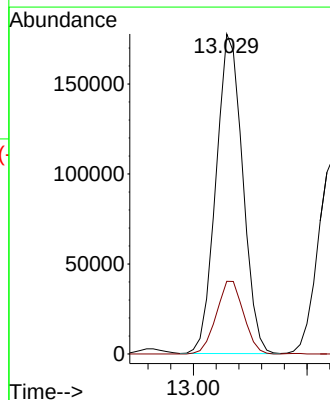
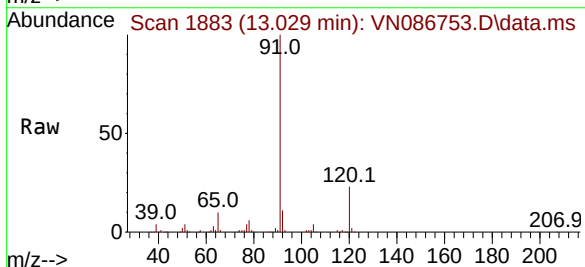
Manual Integrations
APPROVED

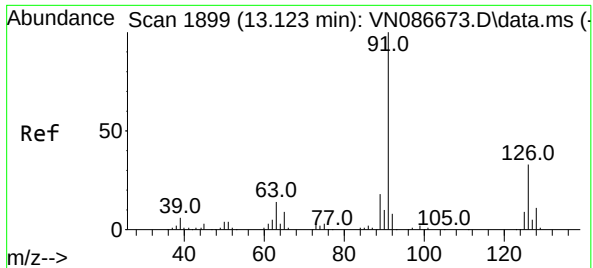
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#78
n-propylbenzene
Concen: 17.971 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

Tgt Ion: 91 Resp: 289773
Ion Ratio Lower Upper
91 100
120 23.2 11.4 34.1





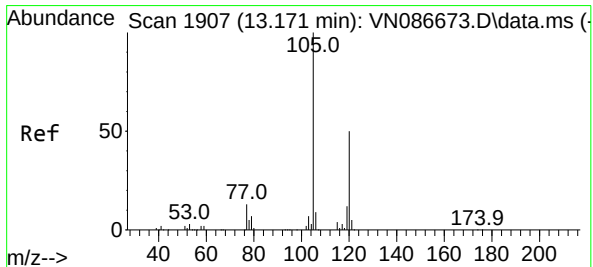
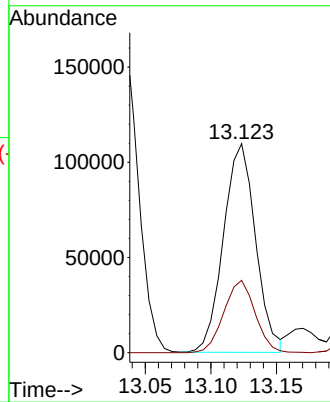
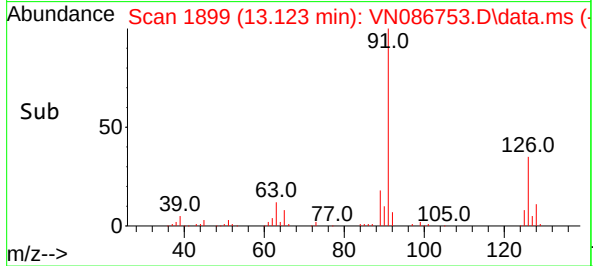
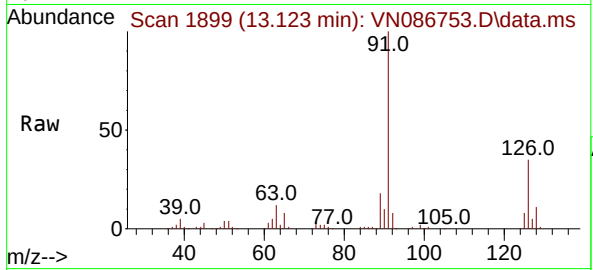
#79
2-Chlorotoluene
Concen: 17.823 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tgt Ion: 91 Resp: 186860
Ion Ratio Lower Upper
91 100
126 33.8 16.6 49.7

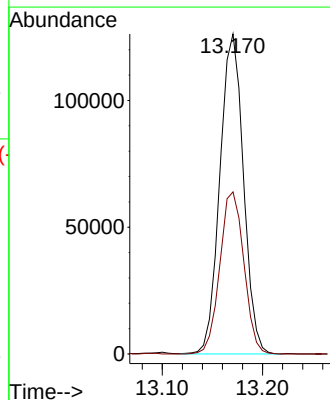
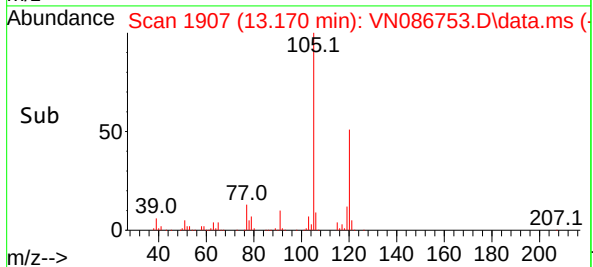
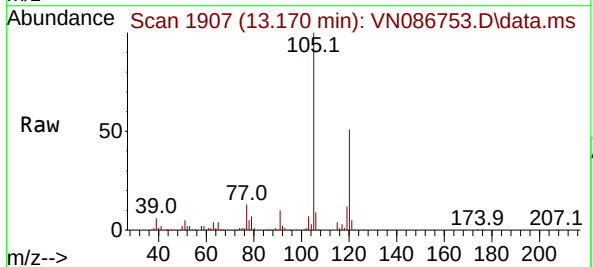
Manual Integrations
APPROVED

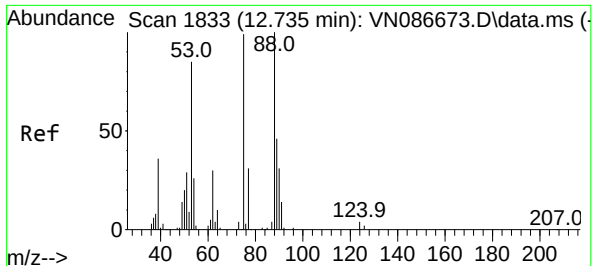
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#80
1,3,5-Trimethylbenzene
Concen: 18.294 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

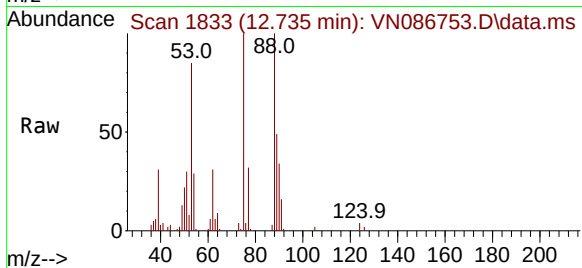
Tgt Ion:105 Resp: 205936
Ion Ratio Lower Upper
105 100
120 51.6 24.9 74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 18.448 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

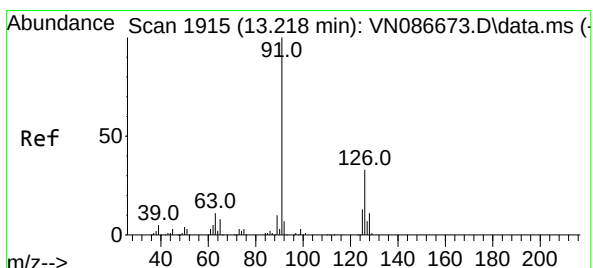
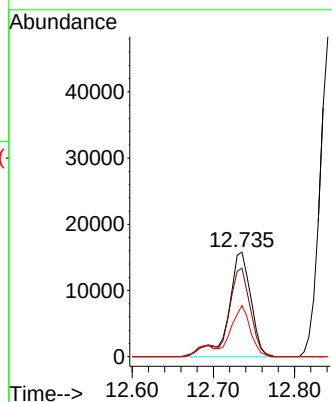
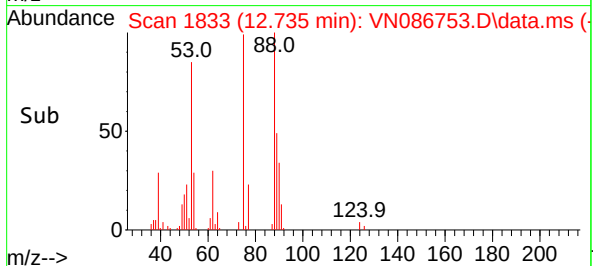
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01



Tgt Ion: 75 Resp: 30070
Ion Ratio Lower Upper
75 100
53 77.7 70.4 105.6
89 41.6 32.4 48.6

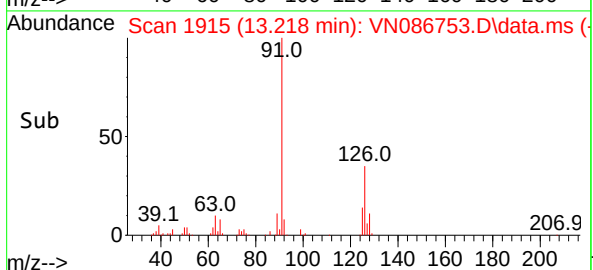
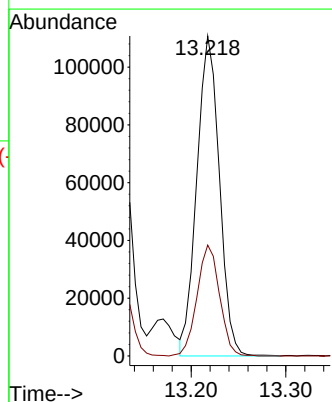
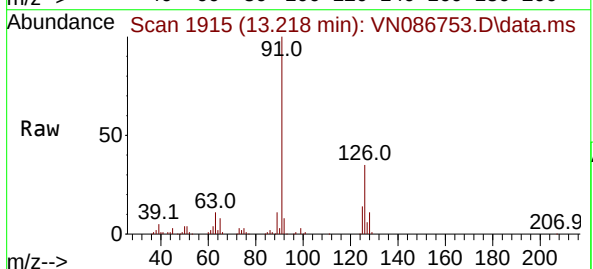
Manual Integrations
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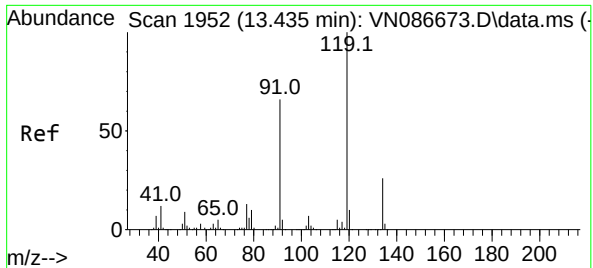
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#82
4-Chlorotoluene
Concen: 17.659 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

Tgt Ion: 91 Resp: 183422
Ion Ratio Lower Upper
91 100
126 34.5 17.0 50.9





#83

tert-Butylbenzene

Concen: 18.514 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VN086753.D

Acq: 22 May 2025 09:43

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

Tgt Ion:119 Resp: 18175

Ion Ratio Lower Upper

119 100

91 63.5 32.9 98.7

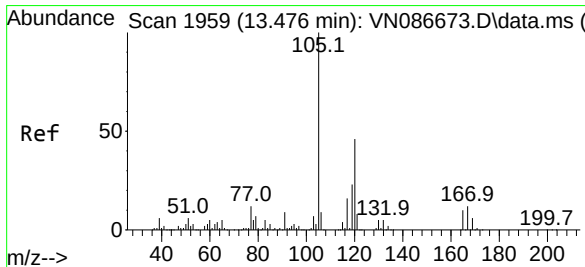
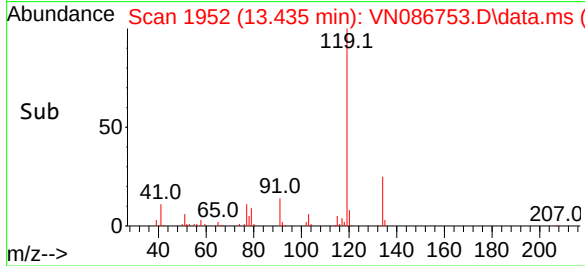
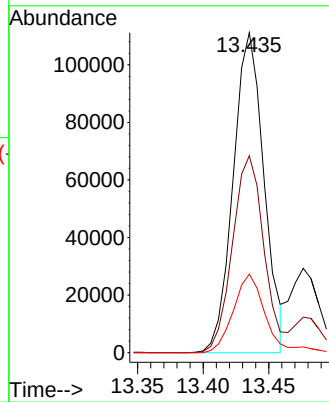
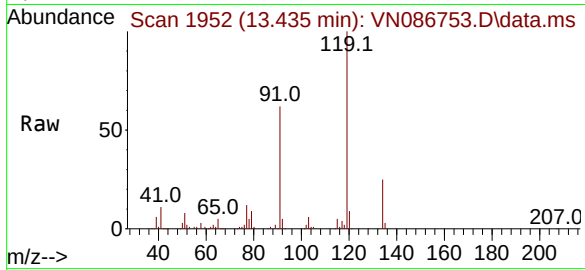
134 25.6 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#84

1,2,4-Trimethylbenzene

Concen: 18.635 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.000 min

Lab File: VN086753.D

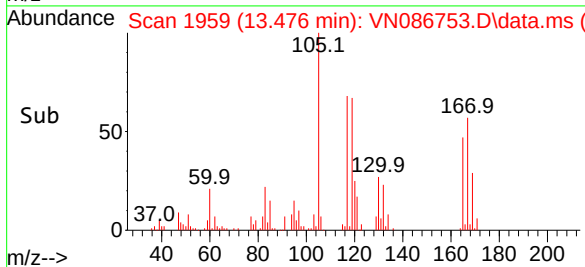
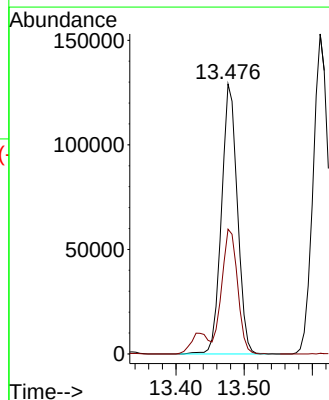
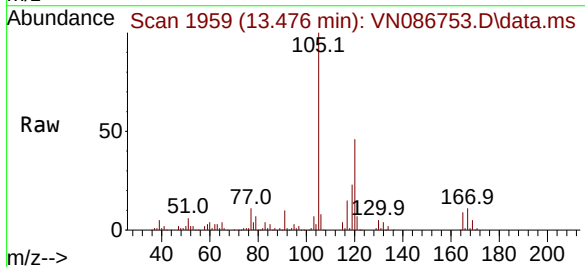
Acq: 22 May 2025 09:43

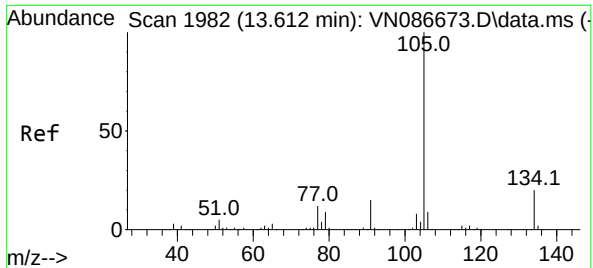
Tgt Ion:105 Resp: 208897

Ion Ratio Lower Upper

105 100

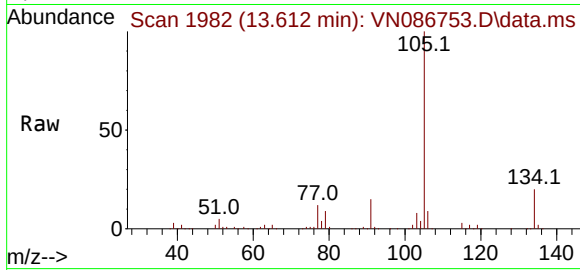
120 46.0 23.2 69.6





#85
 sec-Butylbenzene
 Concen: 18.331 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN086753.D
 Acq: 22 May 2025 09:43

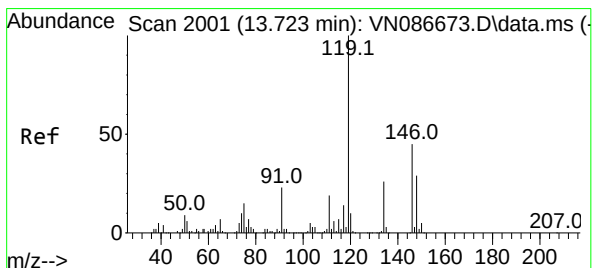
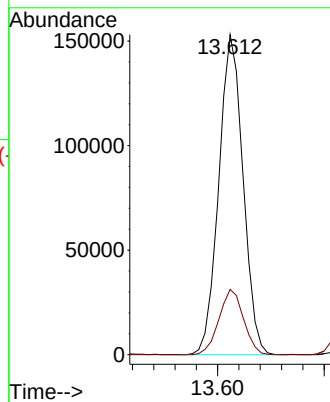
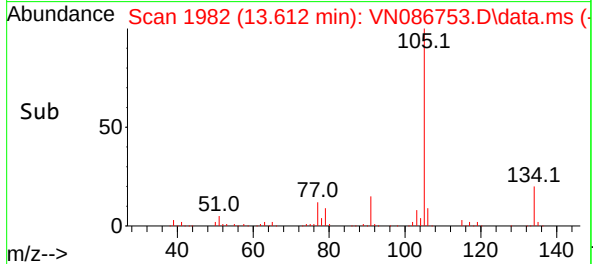
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01



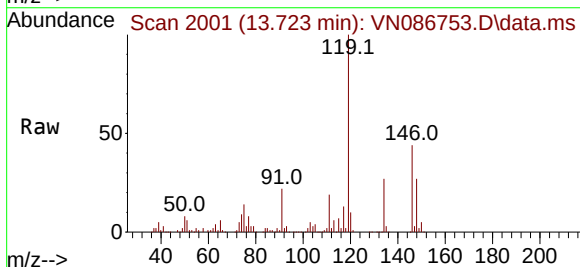
Tgt Ion:105 Resp: 241304
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.1 30.1

Manual Integrations
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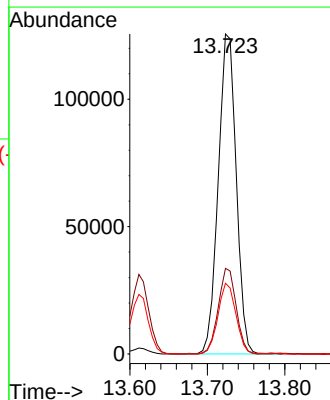
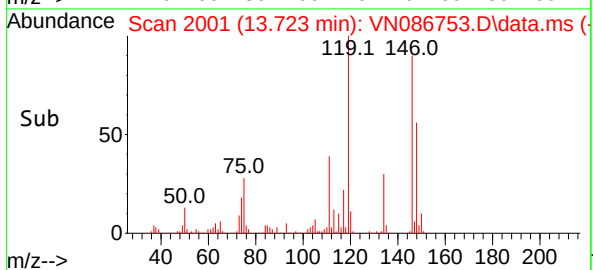
Reviewed By :John Carlone 05/23/2025
 Supervised By :Mahesh Dadoda 05/23/2025

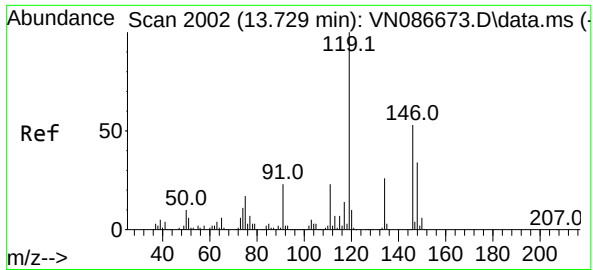


#86
 p-Isopropyltoluene
 Concen: 18.797 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. -0.000 min
 Lab File: VN086753.D
 Acq: 22 May 2025 09:43



Tgt Ion:119 Resp: 202813
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.1 39.1
 91 22.0 11.5 34.5





#87

1,3-Dichlorobenzene

Concen: 18.235 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN086753.D

Acq: 22 May 2025 09:43

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

Tgt Ion:146 Resp: 111609

Ion Ratio Lower Upper

146 100

111 41.0 20.9 62.7

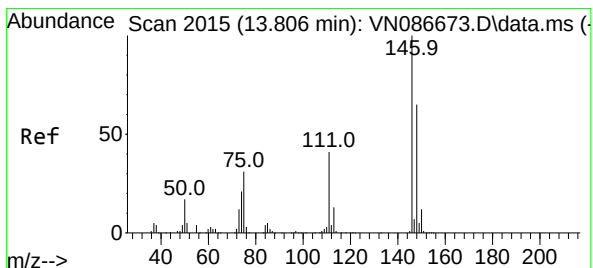
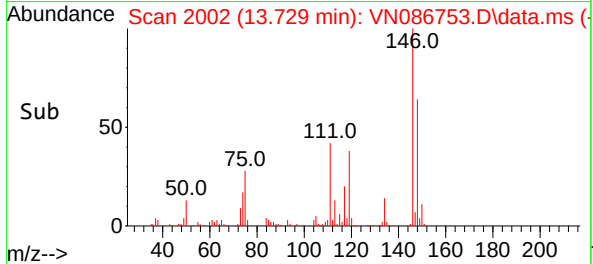
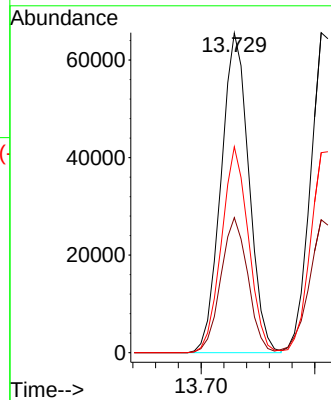
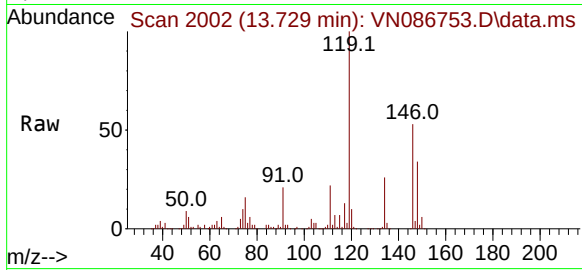
148 62.4 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#88

1,4-Dichlorobenzene

Concen: 18.253 ug/l

RT: 13.806 min Scan# 2015

Delta R.T. -0.000 min

Lab File: VN086753.D

Acq: 22 May 2025 09:43

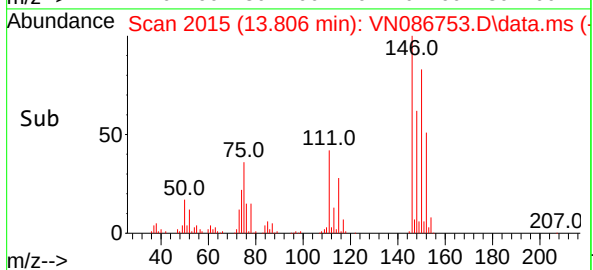
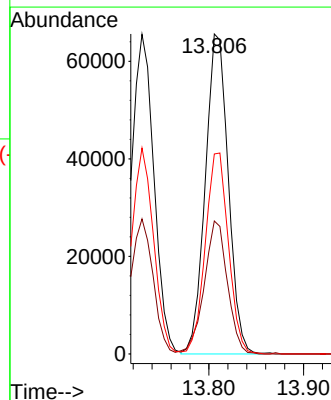
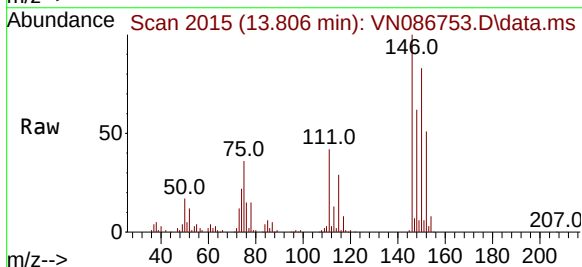
Tgt Ion:146 Resp: 110685

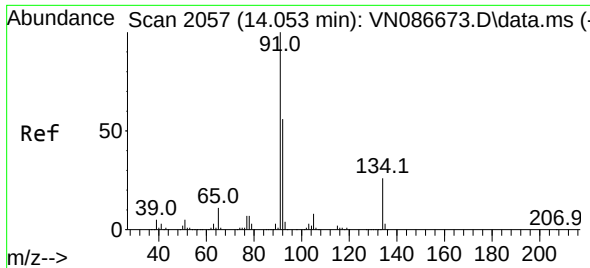
Ion Ratio Lower Upper

146 100

111 42.0 20.6 61.8

148 63.3 32.0 96.0





#89

n-Butylbenzene

Concen: 17.972 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086753.D

Acq: 22 May 2025 09:43

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

Tgt Ion: 91 Resp: 160759

Ion Ratio Lower Upper

91 100

92 54.6 27.4 82.0

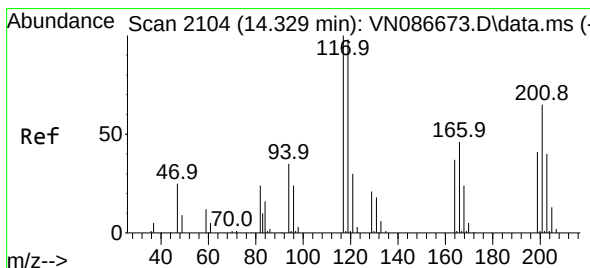
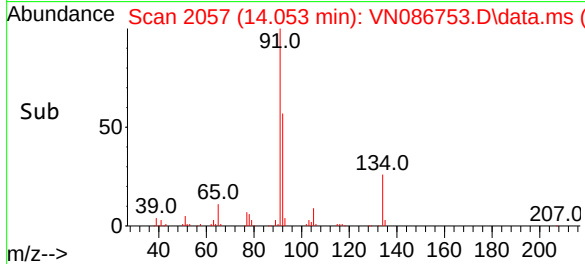
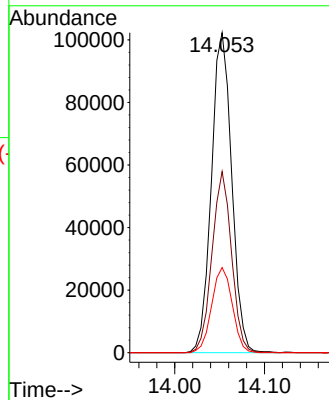
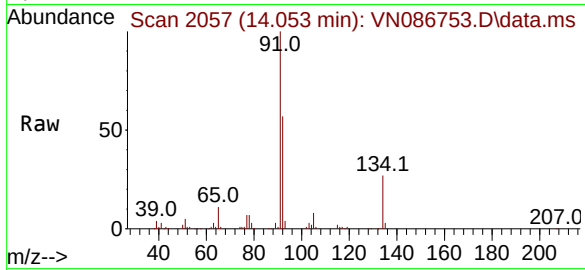
134 27.0 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#90

Hexachloroethane

Concen: 17.804 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. -0.000 min

Lab File: VN086753.D

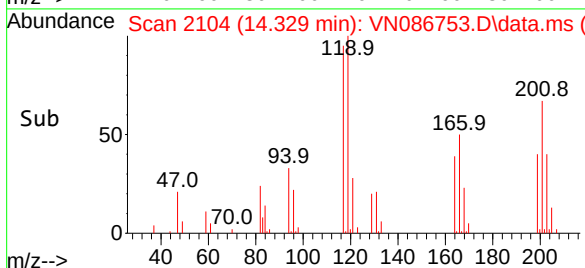
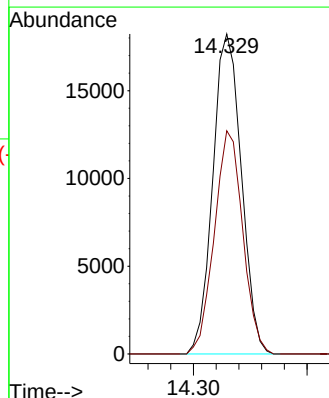
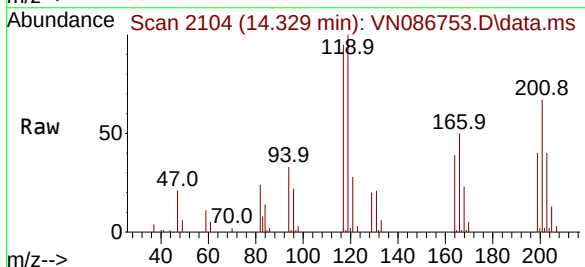
Acq: 22 May 2025 09:43

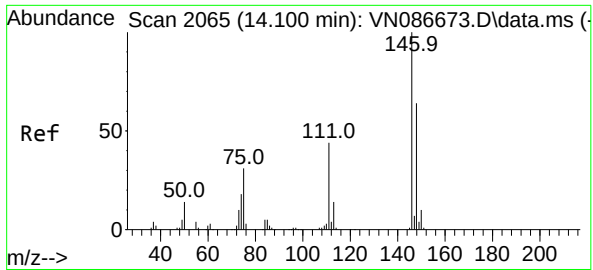
Tgt Ion:117 Resp: 31873

Ion Ratio Lower Upper

117 100

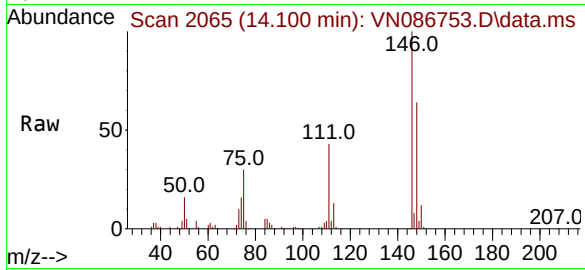
201 69.4 32.0 96.0





#91
1,2-Dichlorobenzene
Concen: 18.205 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

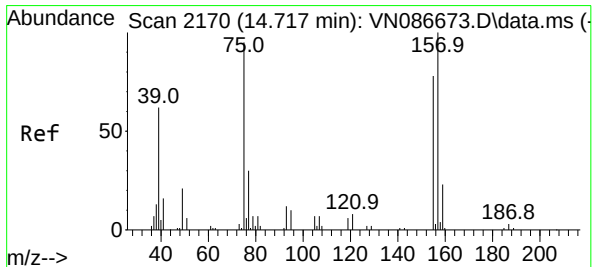
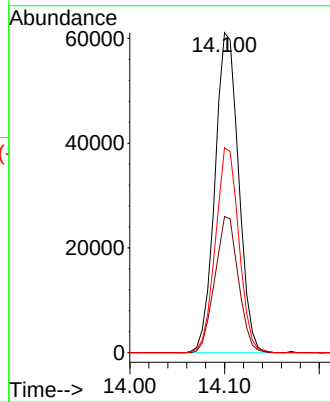
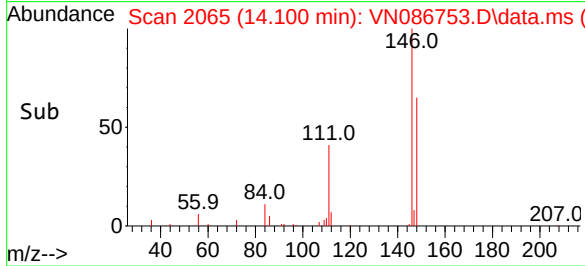
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01



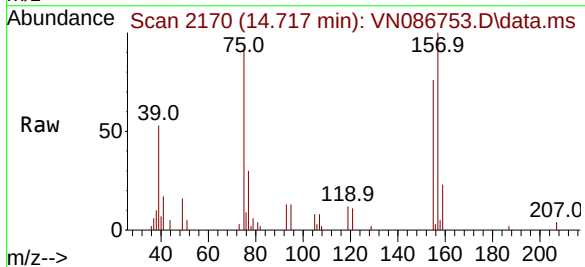
Tgt Ion:146 Resp: 105980
Ion Ratio Lower Upper
146 100
111 42.3 21.6 65.0
148 63.5 31.7 95.1

Manual Integrations
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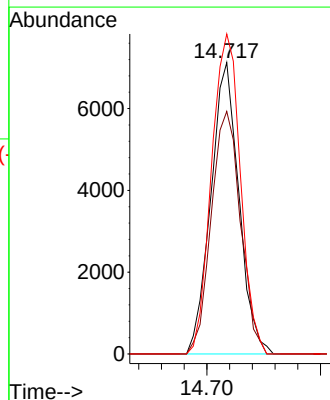
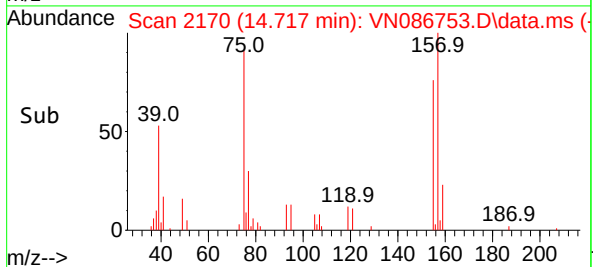
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

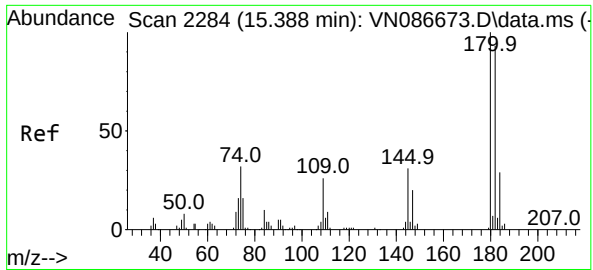


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.091 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43



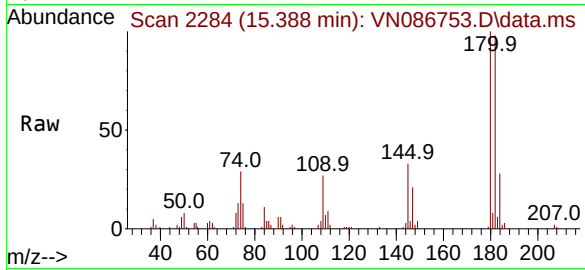
Tgt Ion: 75 Resp: 12222
Ion Ratio Lower Upper
75 100
155 86.8 40.5 121.5
157 112.9 53.6 160.8





#93
1,2,4-Trichlorobenzene
Concen: 18.882 ug/l
RT: 15.388 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

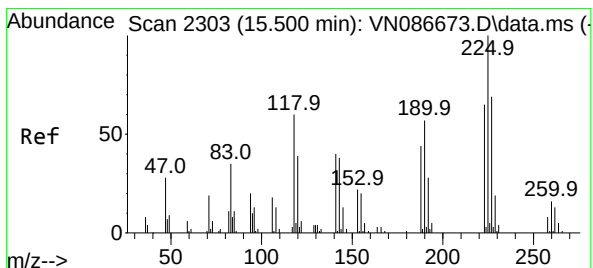
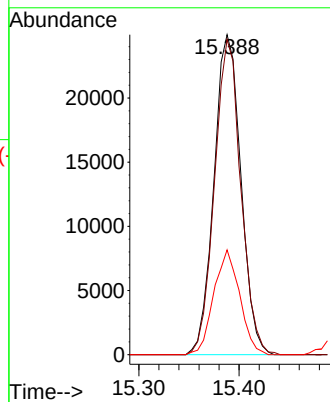
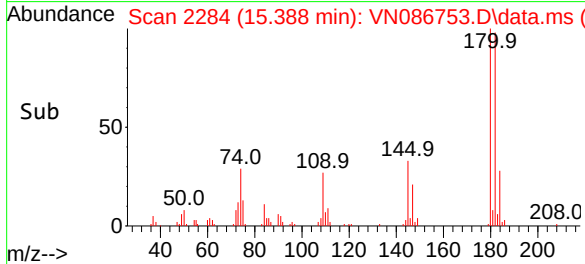
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01



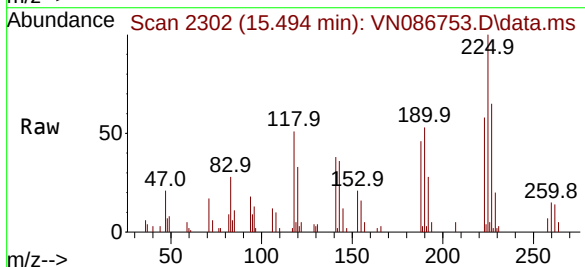
Tgt Ion:180 Resp: 4639
Ion Ratio Lower Upper
180 100
182 96.1 47.1 141.3
145 31.6 15.6 46.8

Manual Integrations
APPROVED

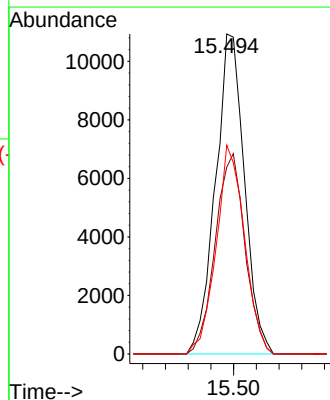
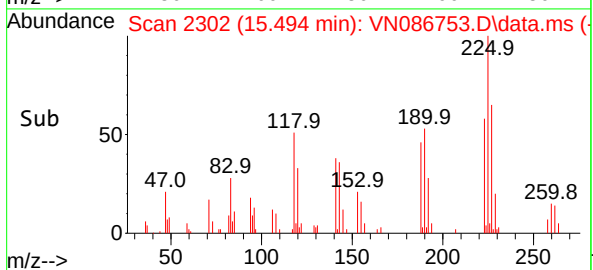
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

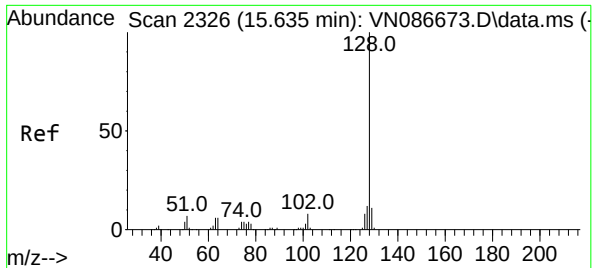


#94
Hexachlorobutadiene
Concen: 19.004 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43



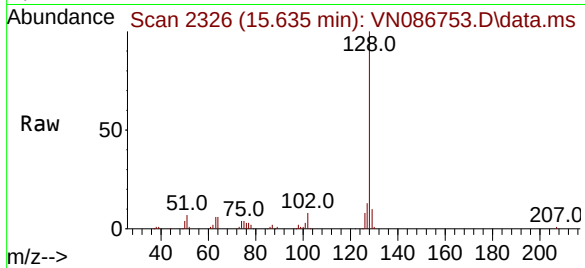
Tgt Ion:225 Resp: 19375
Ion Ratio Lower Upper
225 100
223 64.3 32.9 98.6
227 63.7 32.4 97.2





#95
Naphthalene
Concen: 18.680 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

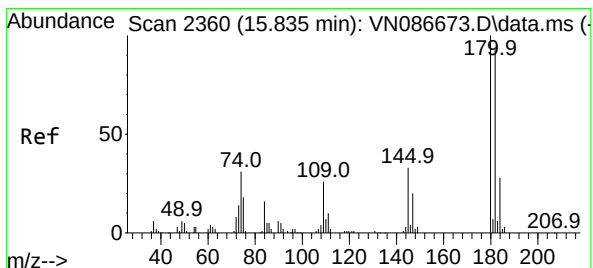
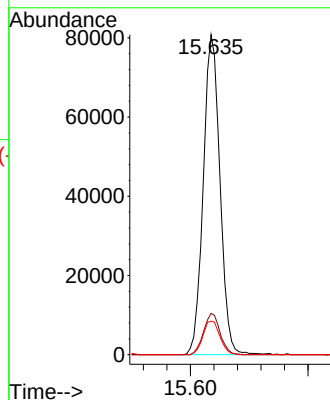
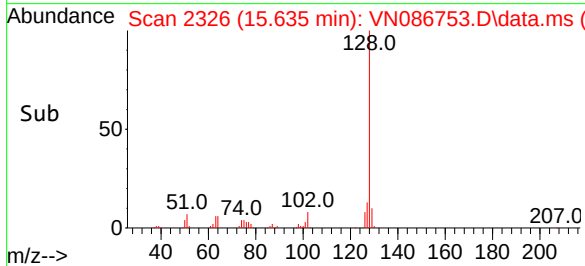
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01



Tgt Ion:128 Resp: 159370
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 10.7 8.6 13.0

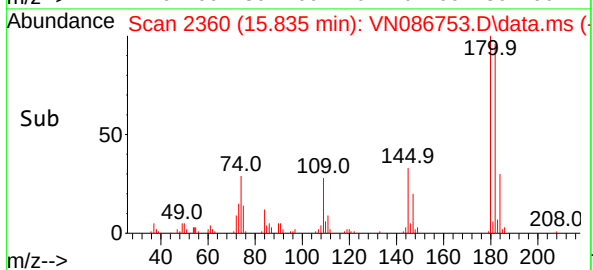
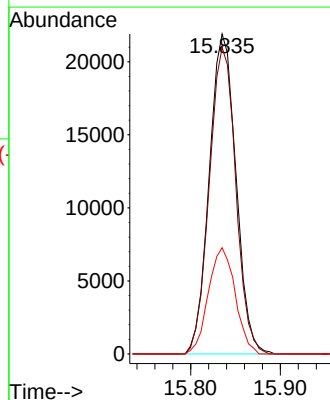
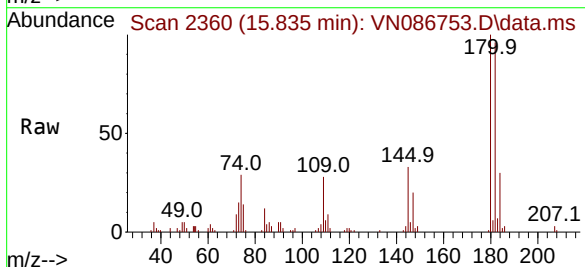
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.803 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086753.D
Acq: 22 May 2025 09:43

Tgt Ion:180 Resp: 45248
Ion Ratio Lower Upper
180 100
182 94.8 47.0 141.2
145 33.3 16.7 50.1



Report of Analysis

Client:	ENTACT			Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309			Date Received:	
Client Sample ID:	VN0521WBSD01			SDG No.:	Q2079
Lab Sample ID:	VN0521WBSD01			Matrix:	TCLP
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	TCLP VOA
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086728.D	1		05/21/25 13:53	VN052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.020		0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.019		0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.093		0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.020		0.00025	0.0050	mg/L
67-66-3	Chloroform	0.019		0.00025	0.0050	mg/L
71-43-2	Benzene	0.020		0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.019		0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.019		0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.020		0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.019		0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.0		70 (74) - 130 (125)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	51.4		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	191000	8.224			
540-36-3	1,4-Difluorobenzene	346000	9.1			
3114-55-4	Chlorobenzene-d5	309000	11.859			
3855-82-1	1,4-Dichlorobenzene-d4	141000	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\VN052125\
 Data File : VN086728.D
 Acq On : 21 May 2025 13:53
 Operator : JC\MD
 Sample : VN0521WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/22/2025
 Supervised By : Mahesh Dadoda 05/22/2025

Quant Time: May 22 01:22:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	190593	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	345539	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	308855	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	140932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131617	49.975	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.960%		
35) Dibromofluoromethane	8.165	113	105386	51.212	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.420%		
50) Toluene-d8	10.565	98	438409	51.410	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.820%		
62) 4-Bromofluorobenzene	12.847	95	155126	51.518	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.040%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	43953	21.354	ug/l	100
3) Chloromethane	2.359	50	59713	19.181	ug/l	98
4) Vinyl Chloride	2.518	62	54661	19.550	ug/l	93
5) Bromomethane	2.959	94	29968	18.593	ug/l	92
6) Chloroethane	3.124	64	34639	18.912	ug/l	100
7) Trichlorofluoromethane	3.494	101	64458	19.291	ug/l	96
8) Diethyl Ether	3.959	74	26837	19.443	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	40043	20.018	ug/l	100
10) Methyl Iodide	4.589	142	43469	17.470	ug/l	95
11) Tert butyl alcohol	5.512	59	42269	88.124	ug/l	98
12) 1,1-Dichloroethene	4.342	96	40093	18.860	ug/l	99
13) Acrolein	4.177	56	45209	88.168	ug/l	99
14) Allyl chloride	5.018	41	62089	19.296	ug/l	97
15) Acrylonitrile	5.712	53	111356	93.765	ug/l	100
16) Acetone	4.418	43	86067	87.364	ug/l	98
17) Carbon Disulfide	4.712	76	112566	19.125	ug/l	98
18) Methyl Acetate	5.012	43	50476	18.306	ug/l	100
19) Methyl tert-butyl Ether	5.788	73	139263	19.239	ug/l	98
20) Methylene Chloride	5.271	84	47807	18.389	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	42054	18.711	ug/l	98
22) Diisopropyl ether	6.665	45	144360	19.887	ug/l	99
23) Vinyl Acetate	6.600	43	509208	93.335	ug/l	99
24) 1,1-Dichloroethane	6.565	63	81766	19.185	ug/l	98
25) 2-Butanone	7.477	43	141988	93.269	ug/l	98
26) 2,2-Dichloropropane	7.482	77	70144	19.943	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	53010	19.215	ug/l	99
28) Bromochloromethane	7.812	49	39029	20.156	ug/l	97
29) Tetrahydrofuran	7.835	42	94804	95.409	ug/l	98
30) Chloroform	7.965	83	81462	19.096	ug/l	95
31) Cyclohexane	8.253	56	74971	18.967	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	69775	19.400	ug/l	96
36) 1,1-Dichloropropene	8.365	75	59799	19.701	ug/l	97
37) Ethyl Acetate	7.553	43	57120	18.629	ug/l	99
38) Carbon Tetrachloride	8.359	117	58820	19.667	ug/l	96
39) Methylcyclohexane	9.600	83	63834	19.431	ug/l	97
40) Benzene	8.606	78	194322	19.625	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
 Data File : VN086728.D
 Acq On : 21 May 2025 13:53
 Operator : JC\MD
 Sample : VN0521WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/22/2025
 Supervised By : Mahesh Dadoda 05/22/2025

Quant Time: May 22 01:22:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	32719	19.764	ug/l	95
42) 1,2-Dichloroethane	8.665	62	59065	19.146	ug/l	100
43) Isopropyl Acetate	8.682	43	105306	17.132	ug/l	100
44) Trichloroethene	9.347	130	45970	19.248	ug/l	99
45) 1,2-Dichloropropane	9.618	63	46441	19.743	ug/l	99
46) Dibromomethane	9.706	93	31170	19.638	ug/l	97
47) Bromodichloromethane	9.882	83	62724	19.180	ug/l	100
48) Methyl methacrylate	9.676	41	45600	19.145	ug/l	99
49) 1,4-Dioxane	9.694	88	19514	386.909	ug/l #	92
51) 4-Methyl-2-Pentanone	10.441	43	294888	95.133	ug/l	100
52) Toluene	10.629	92	118329	19.227	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	68658	19.829	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	75171	19.887	ug/l	96
55) 1,1,2-Trichloroethane	11.012	97	43183	18.810	ug/l	98
56) Ethyl methacrylate	10.871	69	71206	19.318	ug/l	99
57) 1,3-Dichloropropane	11.159	76	77110	19.497	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	156480	94.987	ug/l	98
59) 2-Hexanone	11.194	43	212119	93.708	ug/l	99
60) Dibromochloromethane	11.353	129	47337	19.675	ug/l	98
61) 1,2-Dibromoethane	11.465	107	43021	18.648	ug/l	97
64) Tetrachloroethene	11.100	164	47538	20.092	ug/l	96
65) Chlorobenzene	11.888	112	128490	18.972	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.953	131	42269	19.333	ug/l	99
67) Ethyl Benzene	11.959	91	222500	19.180	ug/l	100
68) m/p-Xylenes	12.065	106	172731	39.312	ug/l	98
69) o-Xylene	12.394	106	84330	19.305	ug/l	94
70) Styrene	12.406	104	140137	19.595	ug/l	100
71) Bromoform	12.576	173	30220	19.435	ug/l #	100
73) Isopropylbenzene	12.694	105	205528	18.882	ug/l	99
74) N-amyl acetate	12.494	43	82660	18.176	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	59773	17.875	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	57961m	18.185	ug/l	
77) Bromobenzene	12.976	156	49150	17.951	ug/l	97
78) n-propylbenzene	13.029	91	239458	19.170	ug/l	100
79) 2-Chlorotoluene	13.123	91	151300	18.628	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	165823	19.015	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	22254	17.620	ug/l	85
82) 4-Chlorotoluene	13.217	91	150800	18.741	ug/l	98
83) tert-Butylbenzene	13.435	119	142699	18.764	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	168004	19.346	ug/l	100
85) sec-Butylbenzene	13.611	105	198005	19.417	ug/l	100
86) p-Isopropyltoluene	13.723	119	164337	19.661	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	90682	19.126	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	91161	19.406	ug/l	99
89) n-Butylbenzene	14.053	91	139233	20.093	ug/l	99
90) Hexachloroethane	14.329	117	27512	19.837	ug/l	96
91) 1,2-Dichlorobenzene	14.100	146	86890	19.267	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10664	19.250	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	36992	19.433	ug/l	95
94) Hexachlorobutadiene	15.500	225	15900	20.132	ug/l	95
95) Naphthalene	15.635	128	131717	19.928	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	36252	19.447	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
Data File : VN086728.D
Acq On : 21 May 2025 13:53
Operator : JC\MD
Sample : VN0521WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

Quant Time: May 22 01:22:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

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

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

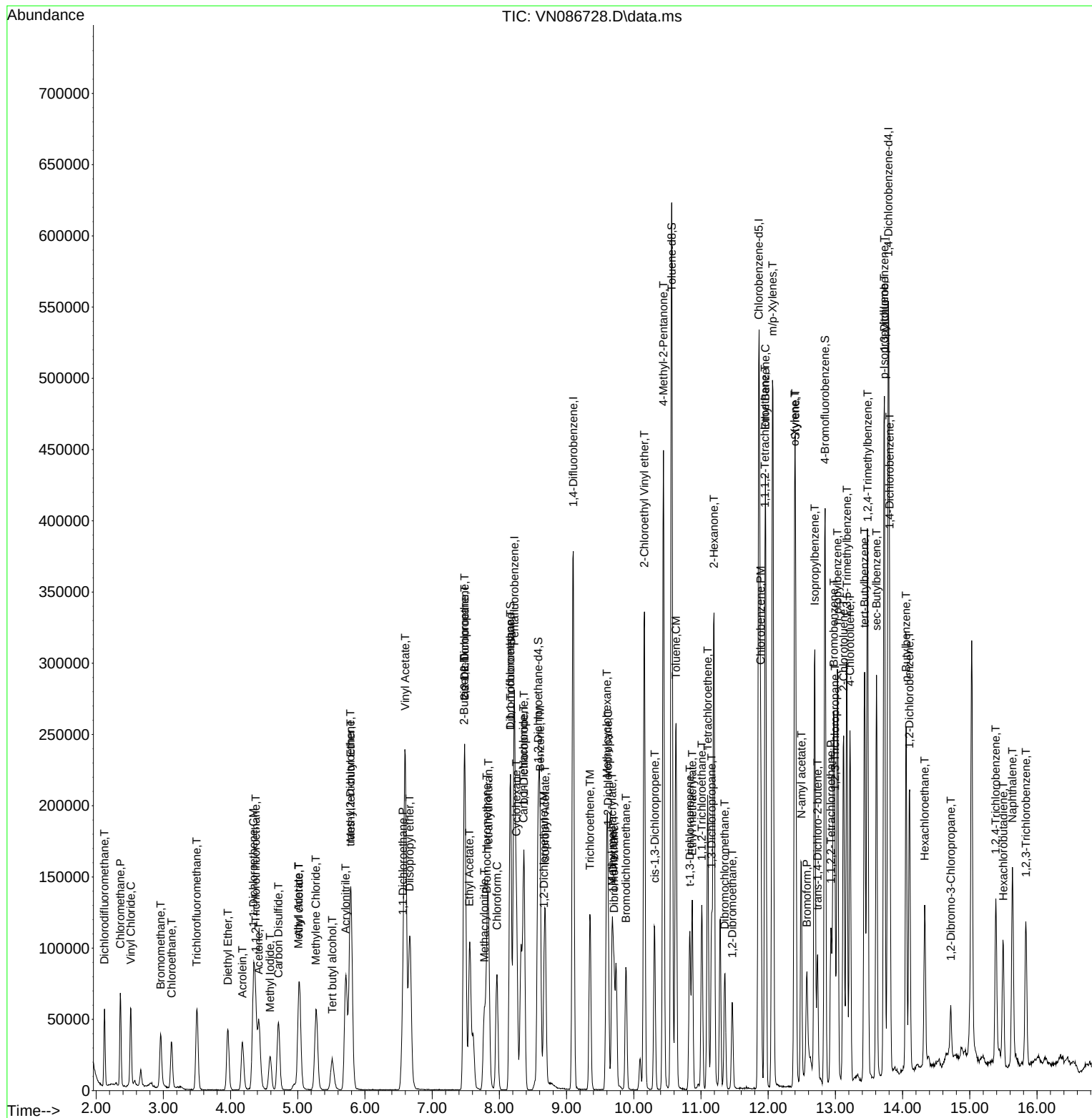
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
Data File : VN086728.D
Acq On    : 21 May 2025  13:53
Operator  : JC\MD
Sample    : VN0521WBSD01
Misc      : 5.0mL/MSVOA_N/WATER
ALS Vial  : 8      Sample Multiplier: 1
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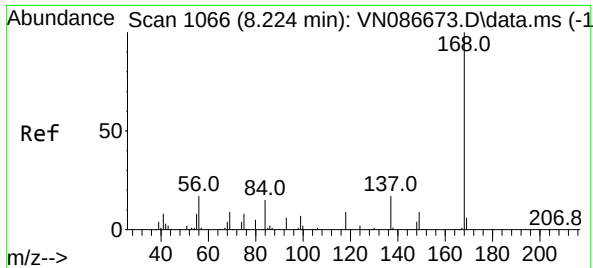
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

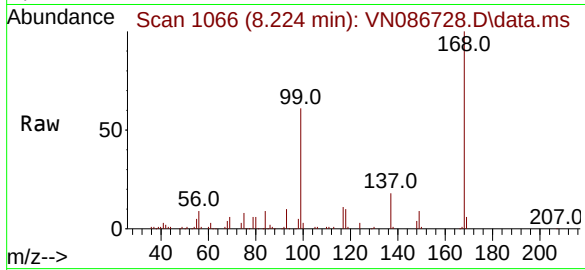
Quant Time: May 22 01:22:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

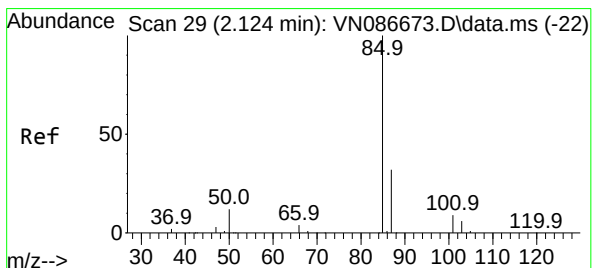
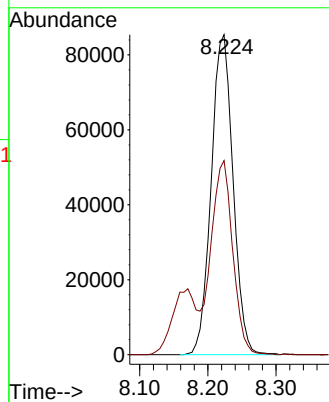
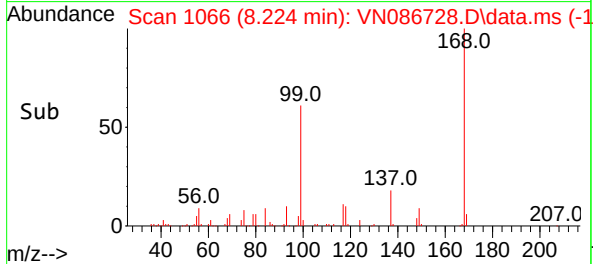
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01



Tgt Ion:168 Resp: 19059
Ion Ratio Lower Upper
168 100
99 60.6 47.0 70.4

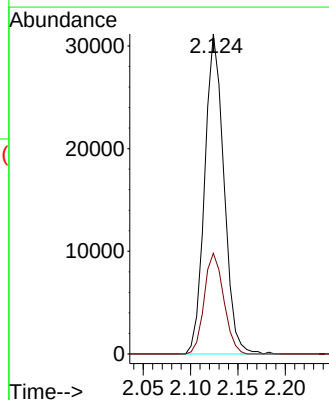
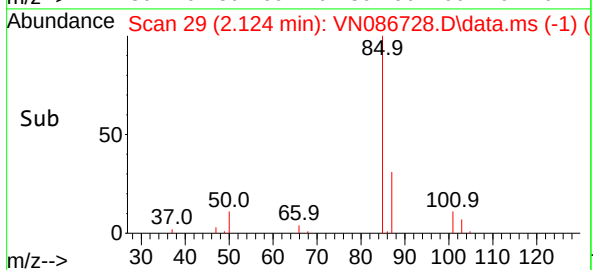
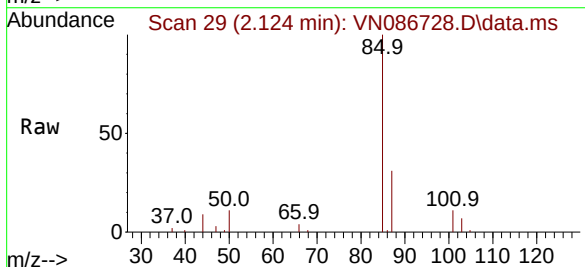
Manual Integrations
APPROVED

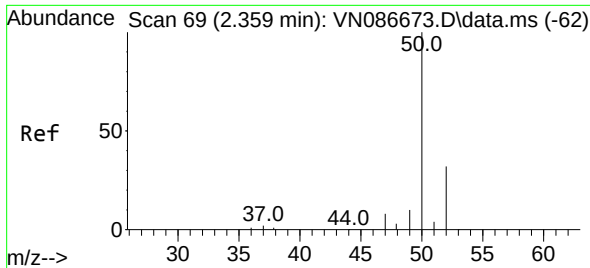
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#2
Dichlorodifluoromethane
Concen: 21.354 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

Tgt Ion: 85 Resp: 43953
Ion Ratio Lower Upper
85 100
87 31.4 15.9 47.6





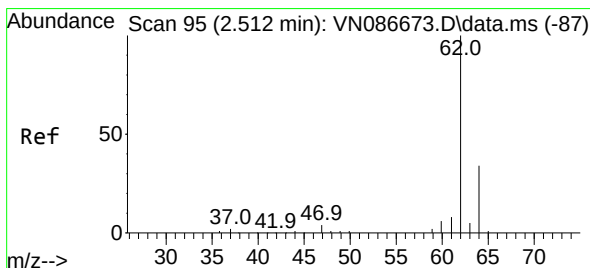
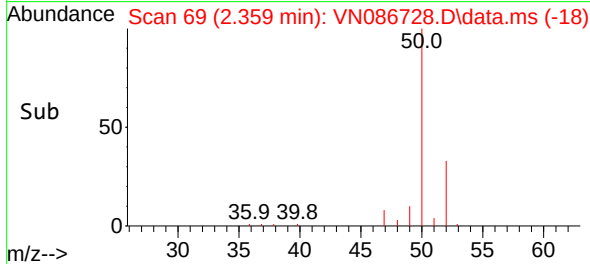
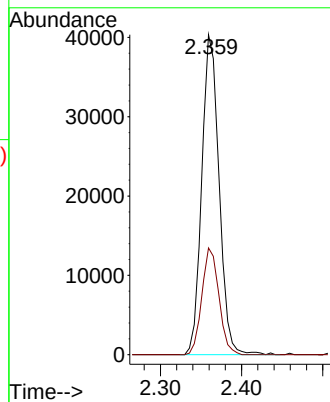
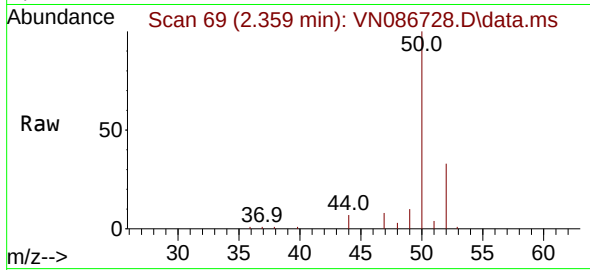
#3
Chloromethane
Concen: 19.181 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01

Tgt Ion: 50 Resp: 5971
Ion Ratio Lower Upper
50 100
52 33.4 25.9 38.9

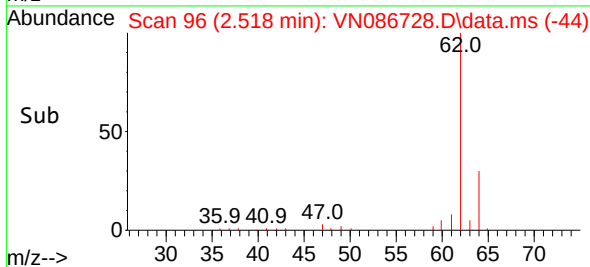
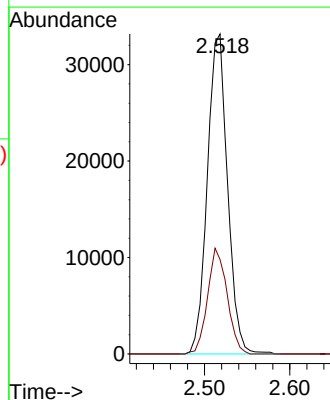
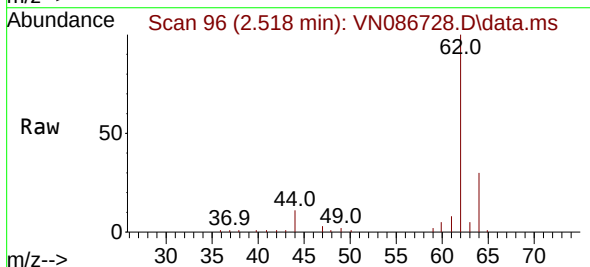
Manual Integrations
APPROVED

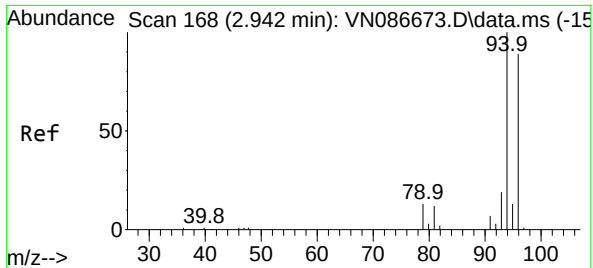
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#4
Vinyl Chloride
Concen: 19.550 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

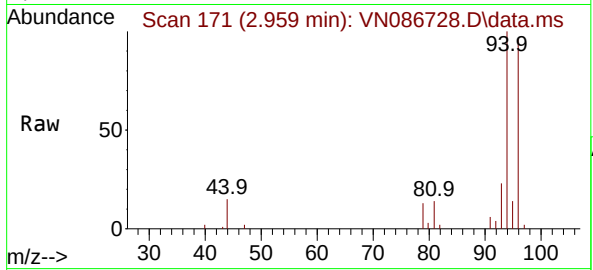
Tgt Ion: 62 Resp: 54661
Ion Ratio Lower Upper
62 100
64 29.5 26.9 40.3





#5
Bromomethane
Concen: 18.593 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

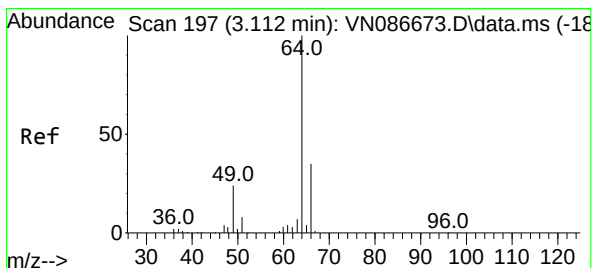
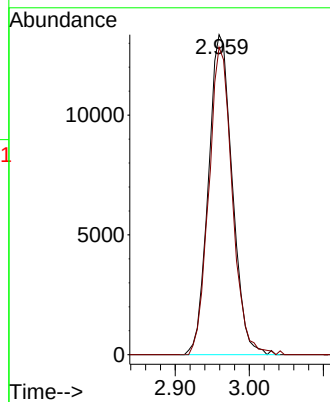
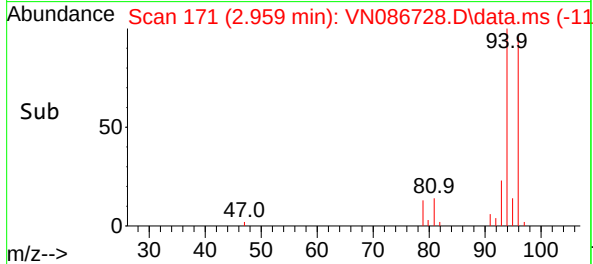
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01



Tgt Ion: 94 Resp: 2996
Ion Ratio Lower Upper
94 100
96 96.1 71.2 106.8

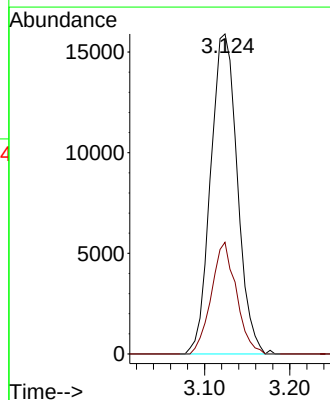
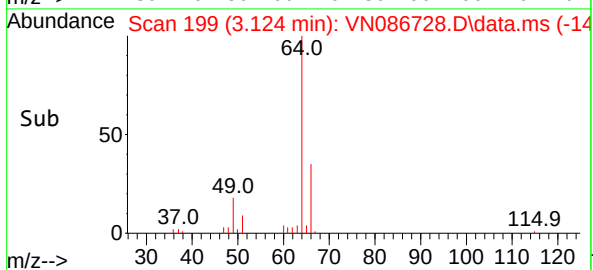
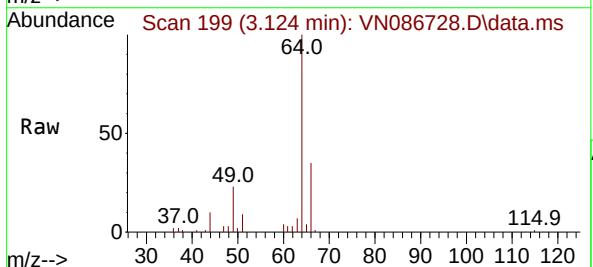
Manual Integrations
APPROVED

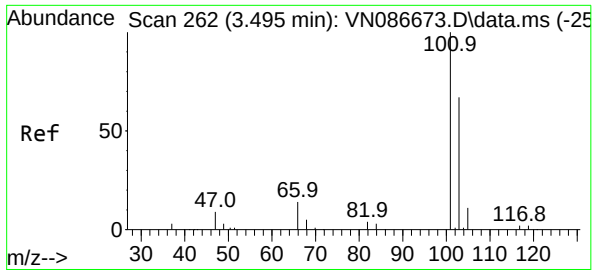
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#6
Chloroethane
Concen: 18.912 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.012 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

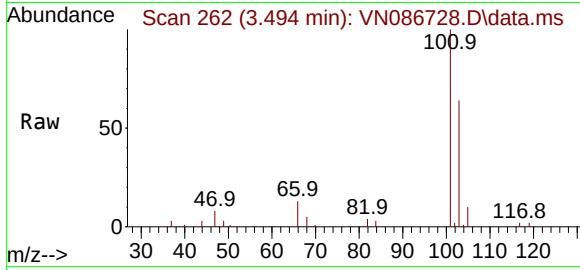
Tgt Ion: 64 Resp: 34639
Ion Ratio Lower Upper
64 100
66 34.9 27.7 41.5





#7
Trichlorofluoromethane
Concen: 19.291 ug/l
RT: 3.494 min Scan# 262
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

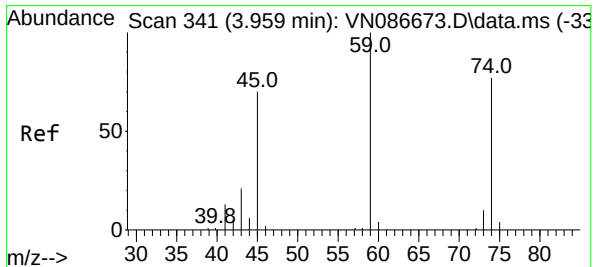
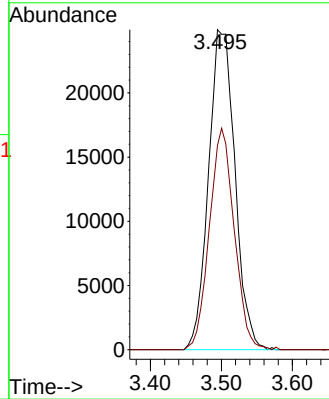
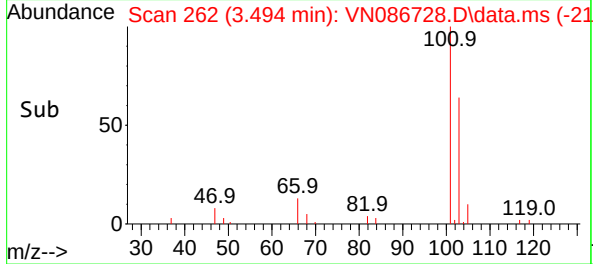
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01



Tgt Ion:101 Resp: 64458
Ion Ratio Lower Upper
101 100
103 63.9 53.4 80.0

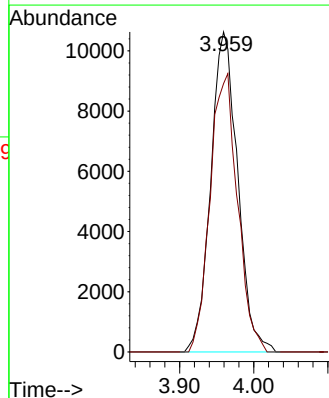
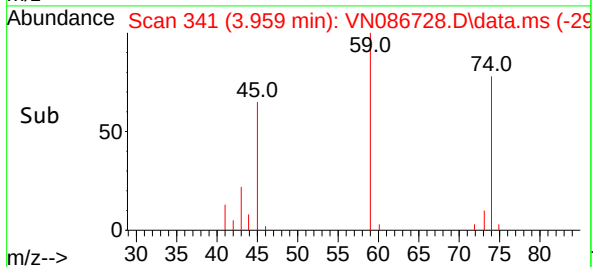
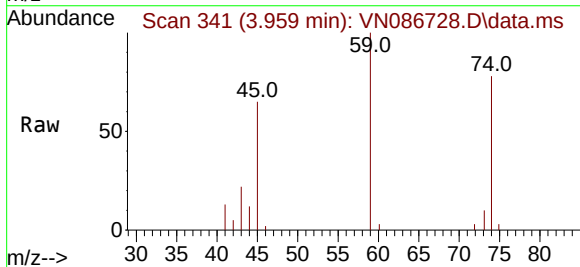
Manual Integrations
APPROVED

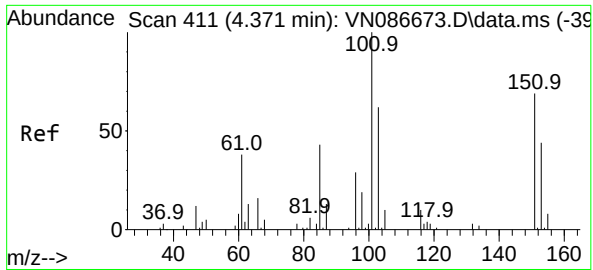
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#8
Diethyl Ether
Concen: 19.443 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

Tgt Ion: 74 Resp: 26837
Ion Ratio Lower Upper
74 100
45 88.7 45.0 135.0





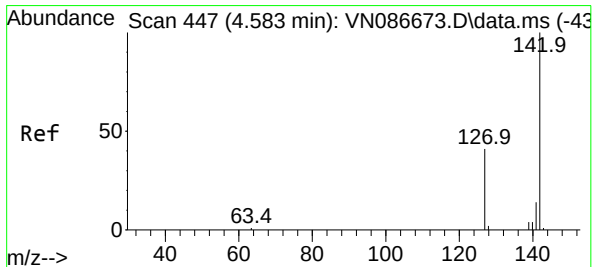
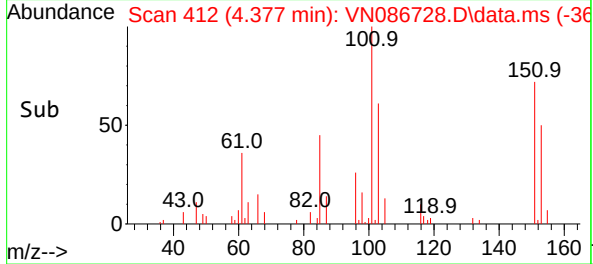
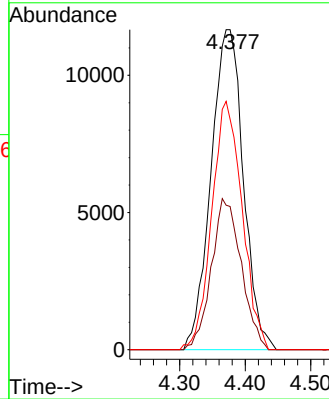
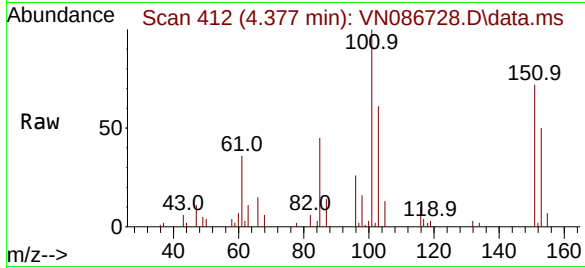
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.018 ug/l
RT: 4.377 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01

Tgt Ion:101 Resp: 4004
Ion Ratio Lower Upper
101 100
85 43.5 35.0 52.6
151 72.8 58.1 87.1

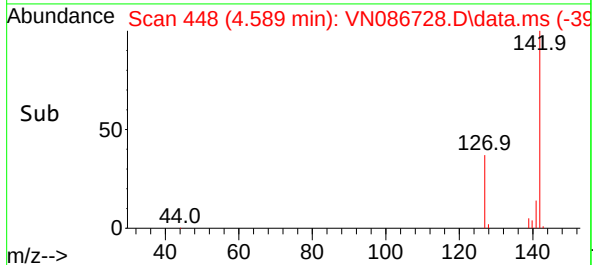
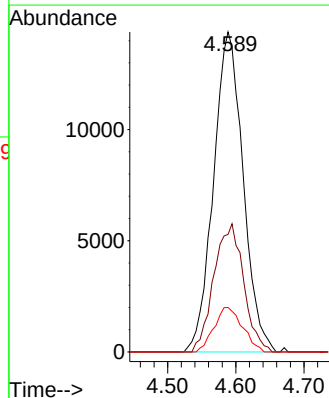
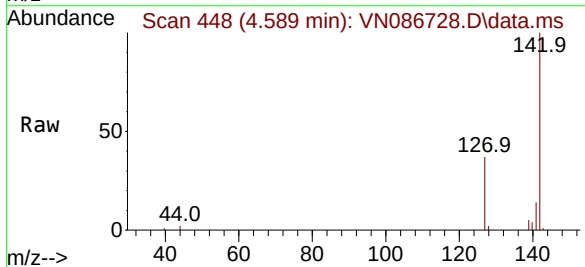
Manual Integrations
APPROVED

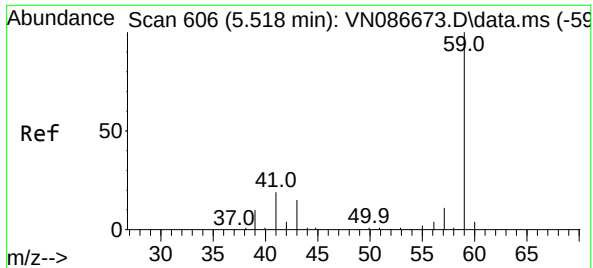
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#10
Methyl Iodide
Concen: 17.470 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

Tgt Ion:142 Resp: 43469
Ion Ratio Lower Upper
142 100
127 36.8 32.4 48.6
141 13.9 11.4 17.2





#11

Tert butyl alcohol

Concen: 88.124 ug/l

RT: 5.512 min Scan# 606

Delta R.T. -0.006 min

Lab File: VN086728.D

Acq: 21 May 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBSD01

Tgt Ion: 59 Resp: 42269

Ion Ratio Lower Upper

59 100

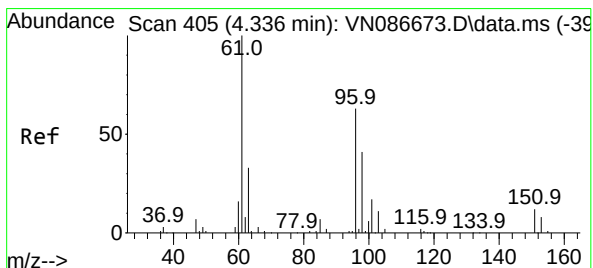
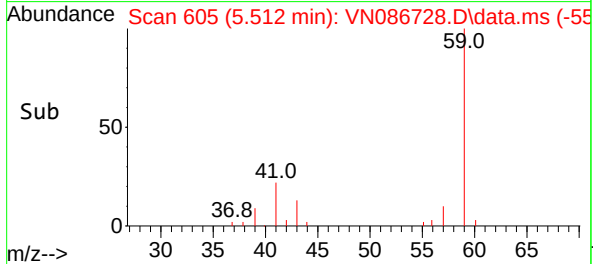
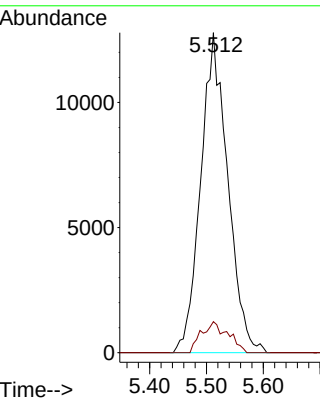
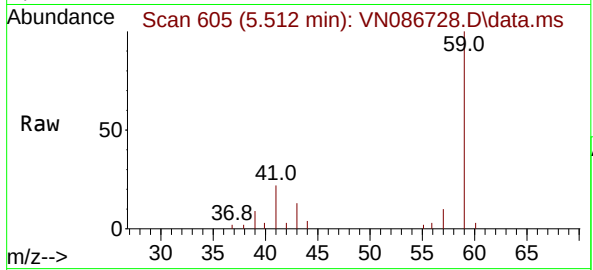
57 9.5 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#12

1,1-Dichloroethene

Concen: 18.860 ug/l

RT: 4.342 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN086728.D

Acq: 21 May 2025 13:53

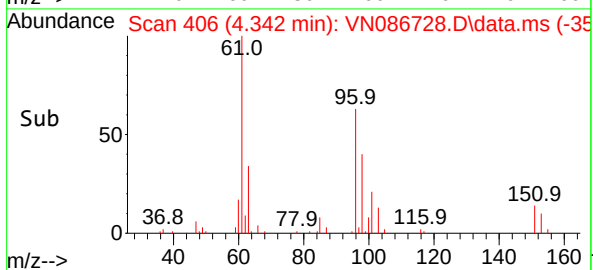
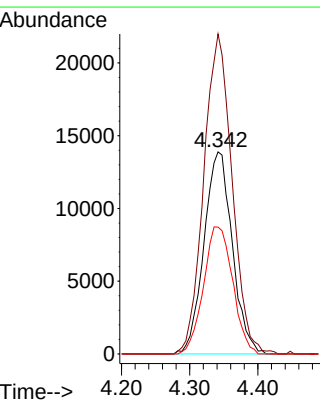
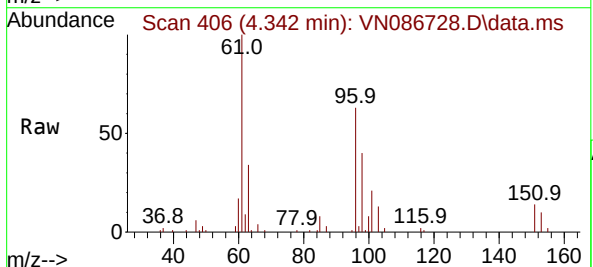
Tgt Ion: 96 Resp: 40093

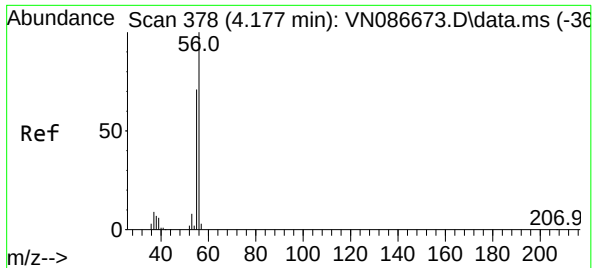
Ion Ratio Lower Upper

96 100

61 158.3 126.2 189.2

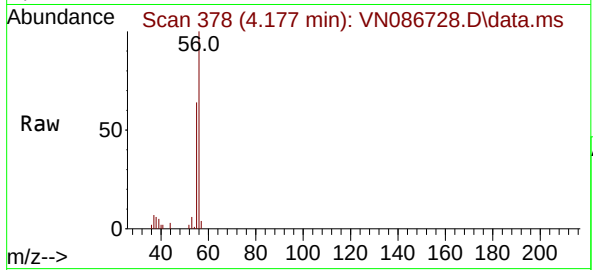
98 62.8 51.5 77.3





#13
Acrolein
Concen: 88.168 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

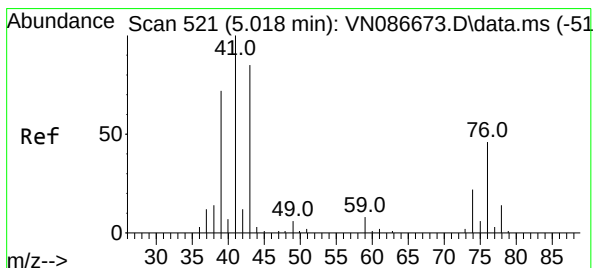
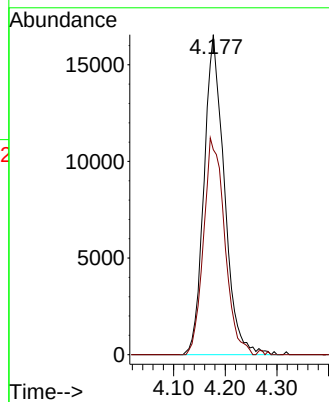
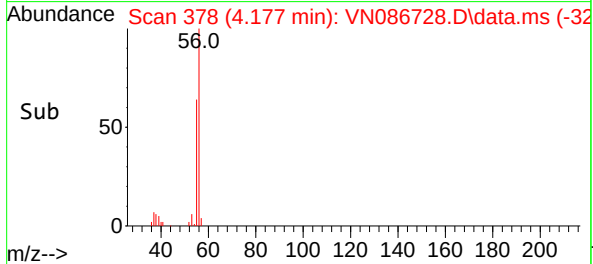
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01



Tgt Ion: 56 Resp: 45209
Ion Ratio Lower Upper
56 100
55 70.4 55.7 83.5

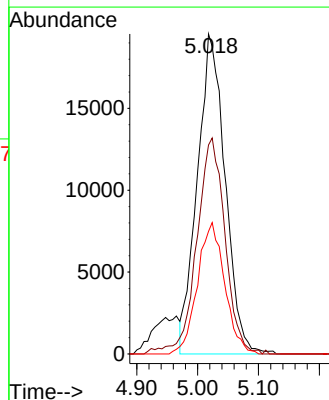
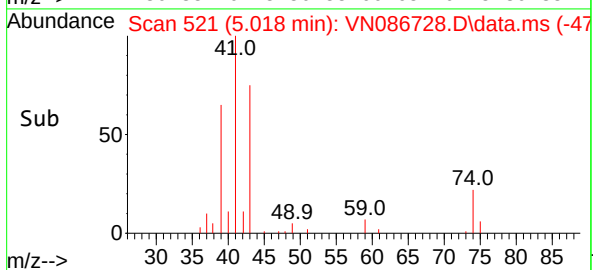
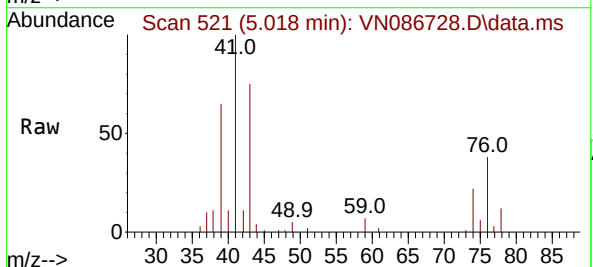
Manual Integrations
APPROVED

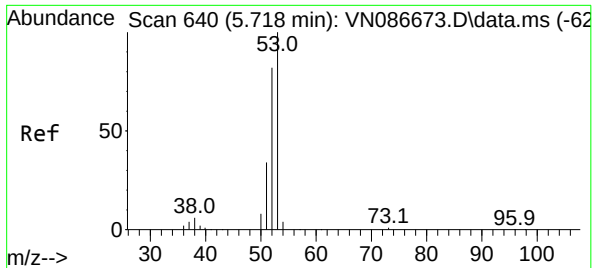
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#14
Allyl chloride
Concen: 19.296 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

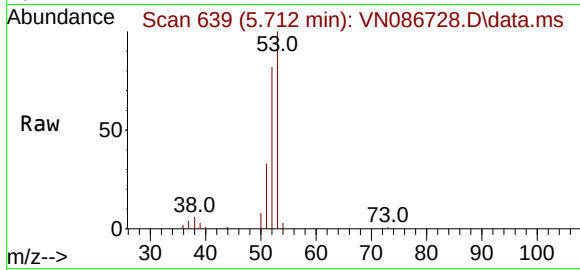
Tgt Ion: 41 Resp: 62089
Ion Ratio Lower Upper
41 100
39 68.8 57.4 86.0
76 40.2 33.2 49.8





#15
Acrylonitrile
Concen: 93.765 ug/l
RT: 5.712 min Scan# 611
Delta R.T. -0.006 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

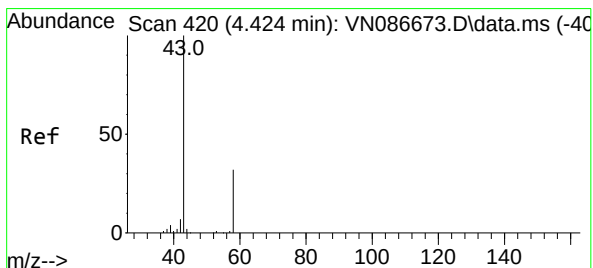
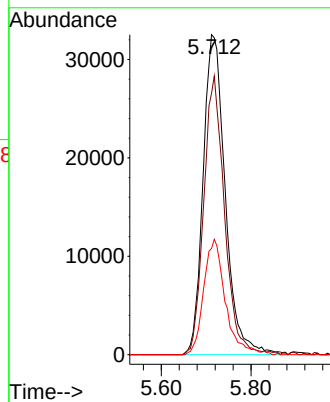
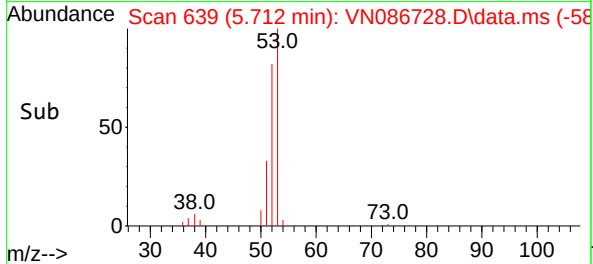
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01



Tgt Ion: 53 Resp: 111350
Ion Ratio Lower Upper
53 100
52 81.7 65.4 98.2
51 35.3 27.9 41.9

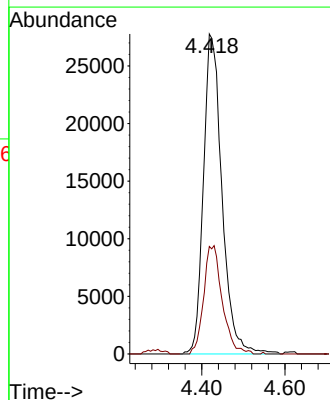
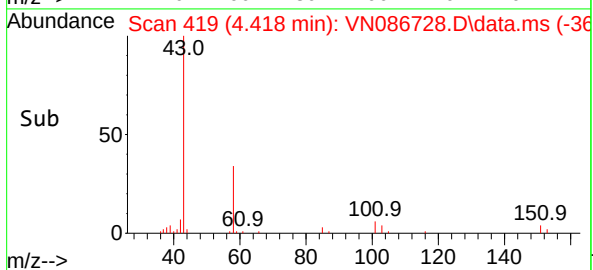
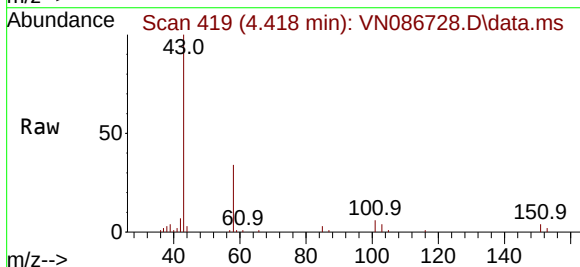
Manual Integrations
APPROVED

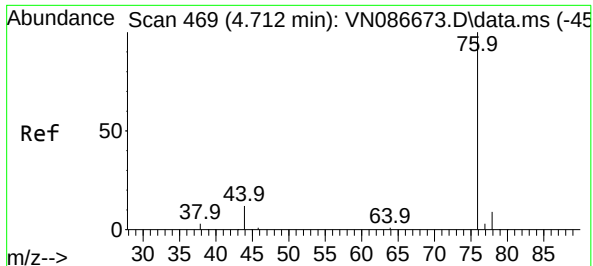
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#16
Acetone
Concen: 87.364 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

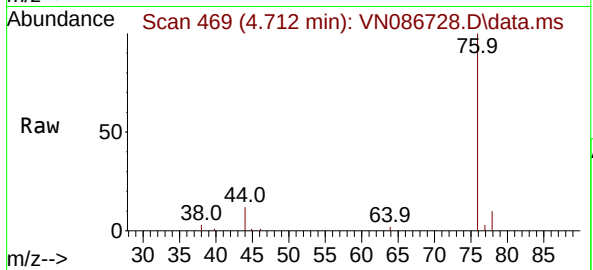
Tgt Ion: 43 Resp: 86067
Ion Ratio Lower Upper
43 100
58 33.6 25.8 38.6





#17
Carbon Disulfide
Concen: 19.125 ug/l
RT: 4.712 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

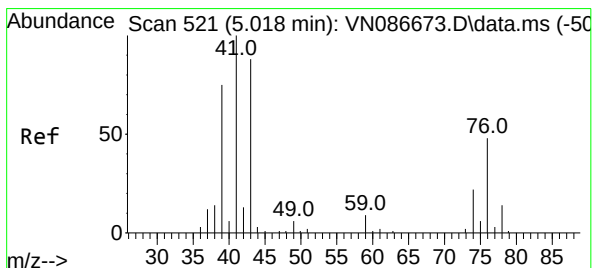
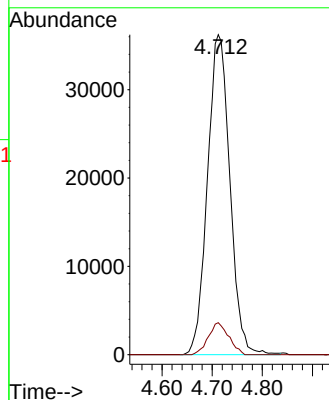
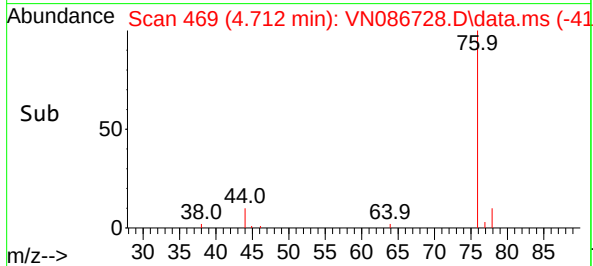
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01



Tgt Ion: 76 Resp: 11256
Ion Ratio Lower Upper
76 100
78 10.0 7.3 10.9

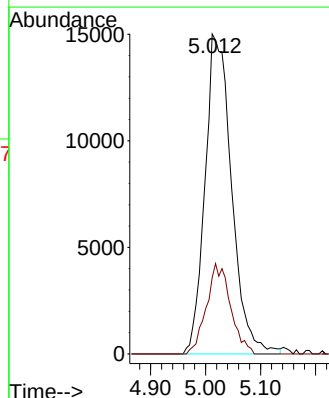
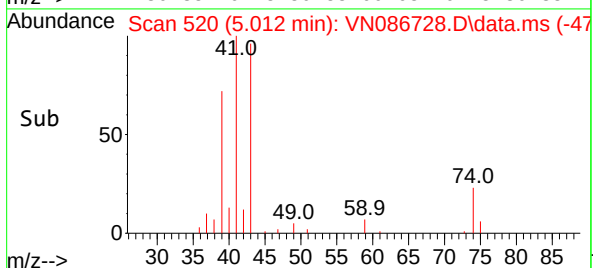
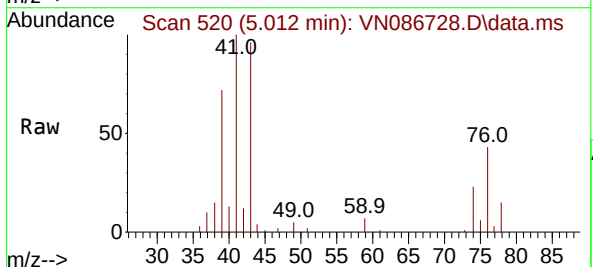
Manual Integrations
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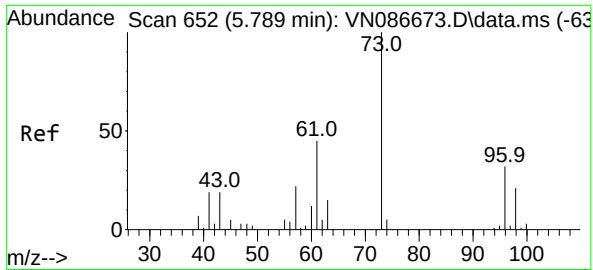
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#18
Methyl Acetate
Concen: 18.306 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

Tgt Ion: 43 Resp: 50476
Ion Ratio Lower Upper
43 100
74 25.5 20.5 30.7





#19

Methyl tert-butyl Ether

Concen: 19.239 ug/l

RT: 5.788 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN086728.D

Acq: 21 May 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBSD01

Tgt Ion: 73 Resp: 13926

Ion Ratio Lower Upper

73 100

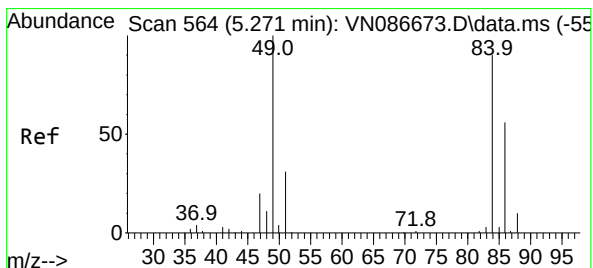
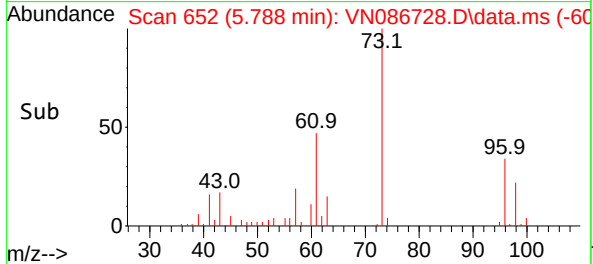
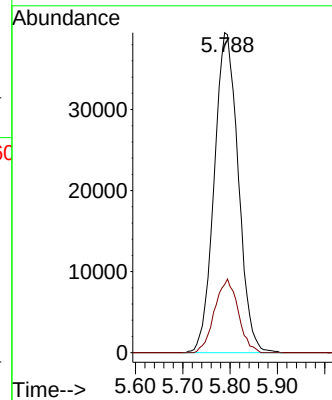
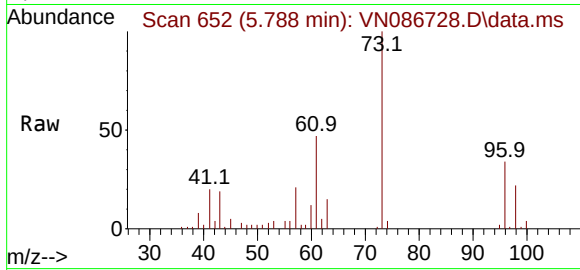
57 21.3 17.7 26.5

Manual Integrations

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Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#20

Methylene Chloride

Concen: 18.389 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.000 min

Lab File: VN086728.D

Acq: 21 May 2025 13:53

Tgt Ion: 84 Resp: 47807

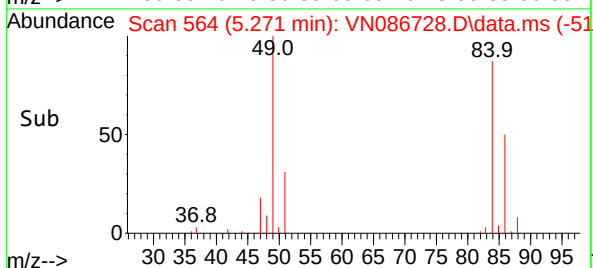
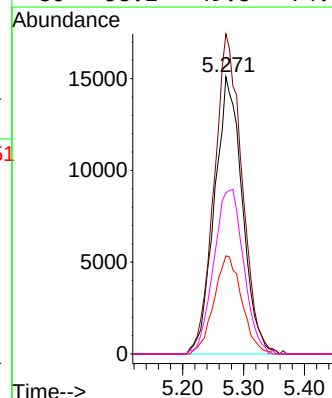
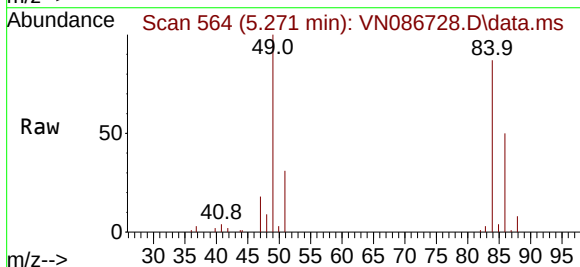
Ion Ratio Lower Upper

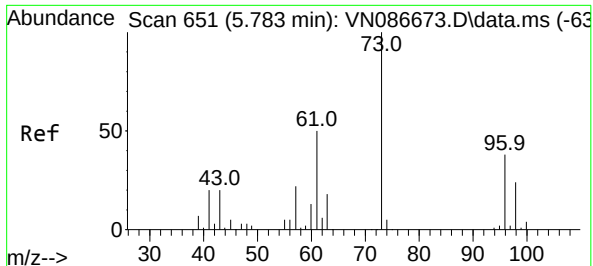
84 100

49 115.4 88.8 133.2

51 35.4 27.8 41.6

86 58.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 18.711 ug/l

RT: 5.783 min Scan# 651

Delta R.T. -0.000 min

Lab File: VN086728.D

Acq: 21 May 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBSD01

Tgt Ion: 96 Resp: 42054

Ion Ratio Lower Upper

96 100

61 134.5 105.7 158.5

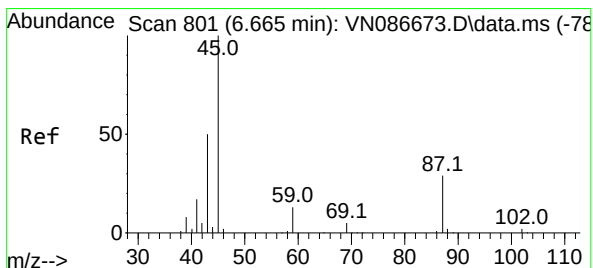
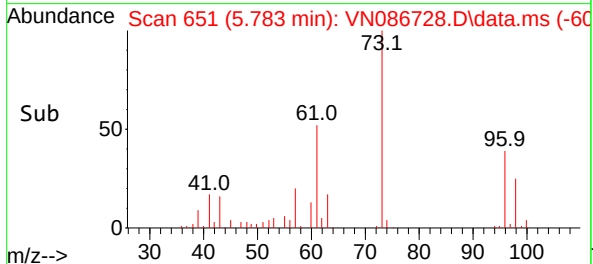
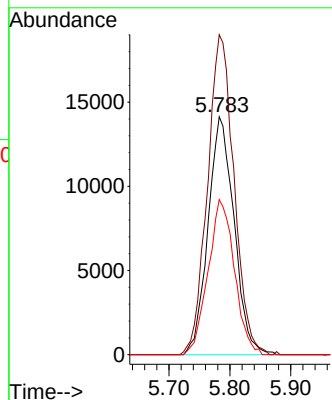
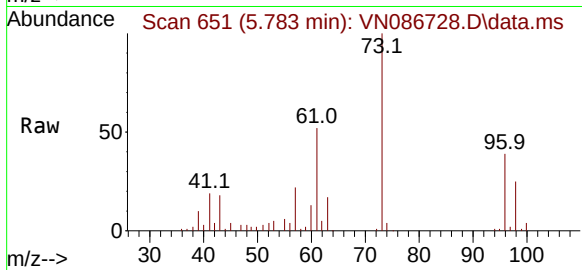
98 65.2 51.0 76.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#22

Diisopropyl ether

Concen: 19.887 ug/l

RT: 6.665 min Scan# 801

Delta R.T. -0.000 min

Lab File: VN086728.D

Acq: 21 May 2025 13:53

Tgt Ion: 45 Resp: 144360

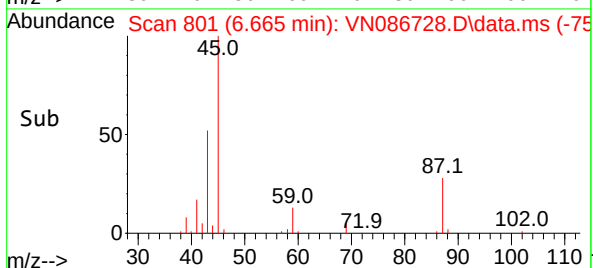
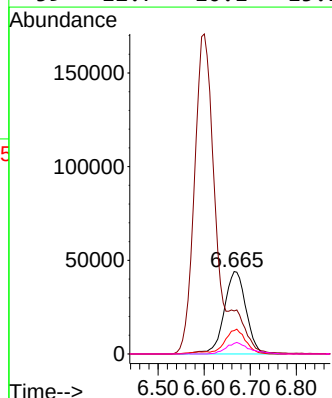
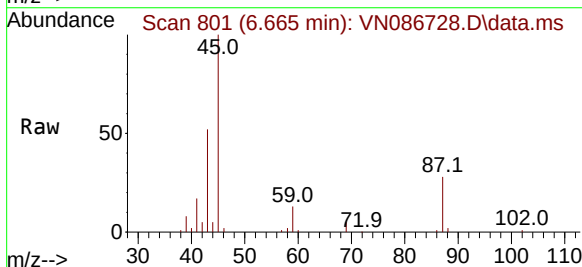
Ion Ratio Lower Upper

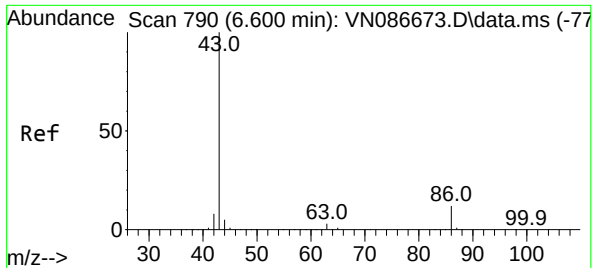
45 100

43 50.9 41.4 62.2

87 28.4 22.9 34.3

59 12.7 10.1 15.1





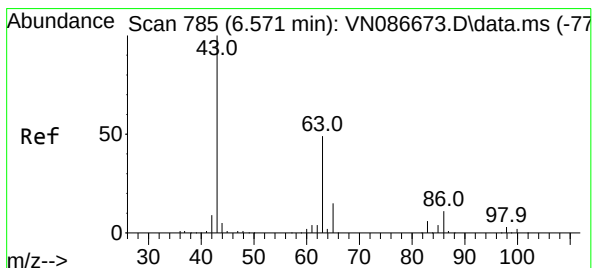
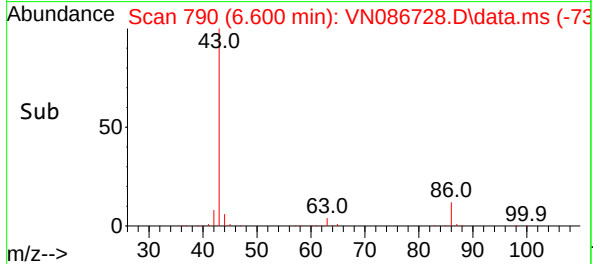
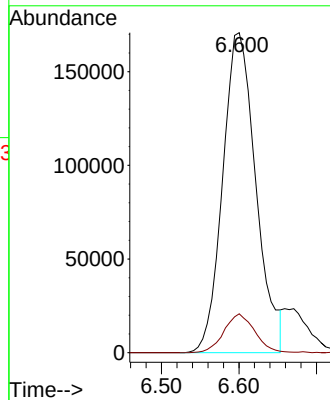
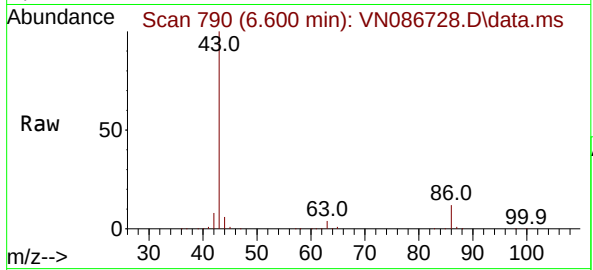
#23
 Vinyl Acetate
 Concen: 93.335 ug/l
 RT: 6.600 min Scan# 790
 Delta R.T. -0.000 min
 Lab File: VN086728.D
 Acq: 21 May 2025 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521WBSD01

Tgt Ion: 43 Resp: 509208
 Ion Ratio Lower Upper
 43 100
 86 12.1 9.5 14.3

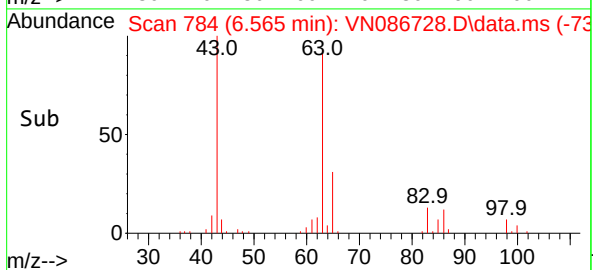
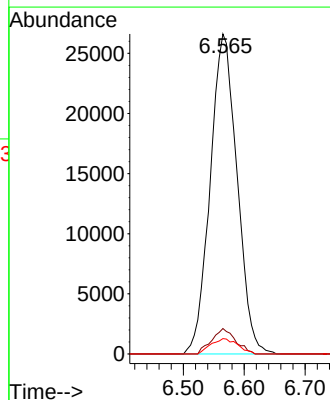
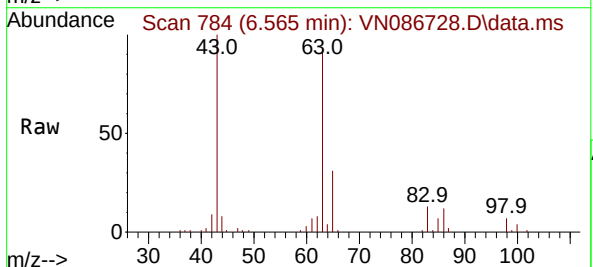
Manual Integrations
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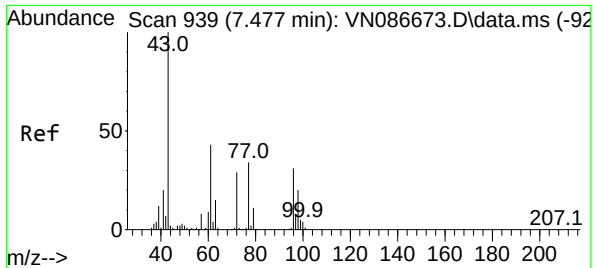
Reviewed By :John Carlone 05/22/2025
 Supervised By :Mahesh Dadoda 05/22/2025



#24
 1,1-Dichloroethane
 Concen: 19.185 ug/l
 RT: 6.565 min Scan# 784
 Delta R.T. -0.006 min
 Lab File: VN086728.D
 Acq: 21 May 2025 13:53

Tgt Ion: 63 Resp: 81766
 Ion Ratio Lower Upper
 63 100
 98 8.0 3.4 10.2
 100 4.8 2.4 7.1





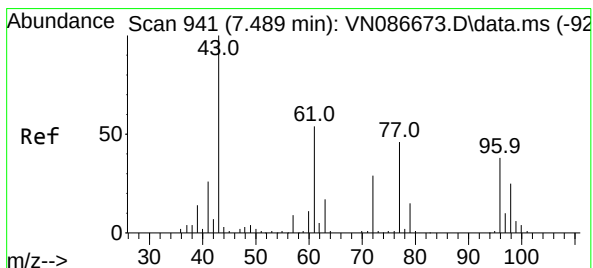
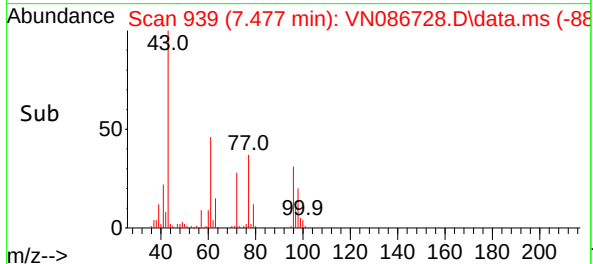
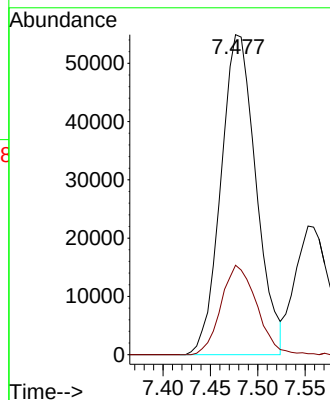
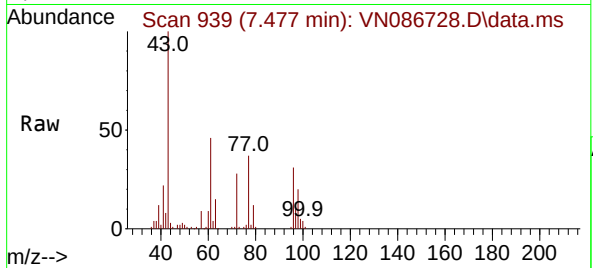
#25
2-Butanone
Concen: 93.269 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01

Tgt Ion: 43 Resp: 14198
Ion Ratio Lower Upper
43 100
72 27.9 23.1 34.7

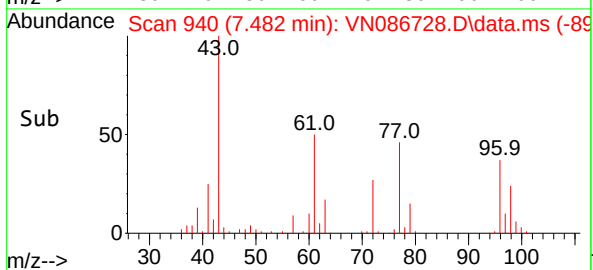
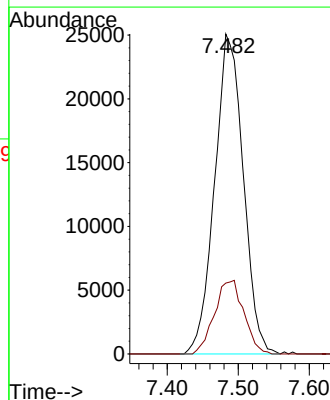
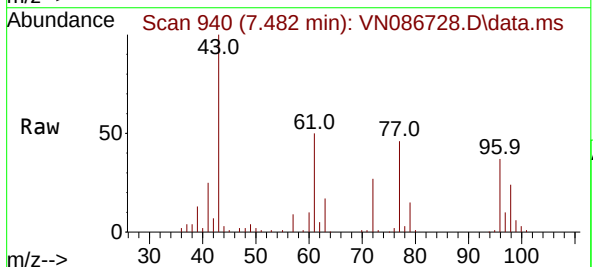
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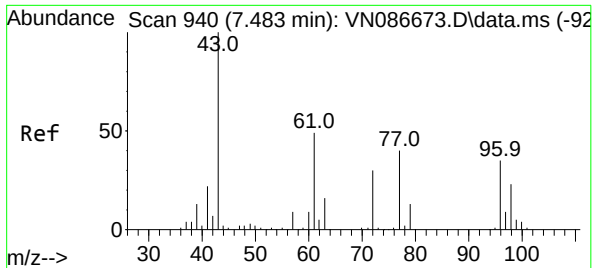
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#26
2,2-Dichloropropane
Concen: 19.943 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

Tgt Ion: 77 Resp: 70144
Ion Ratio Lower Upper
77 100
97 23.6 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 19.215 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086728.D

Acq: 21 May 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBSD01

Tgt Ion: 96 Resp: 53010

Ion Ratio Lower Upper

96 100

61 140.0 0.0 277.4

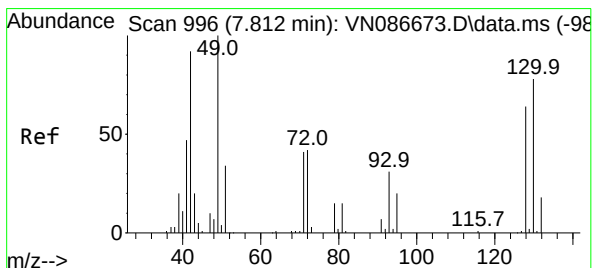
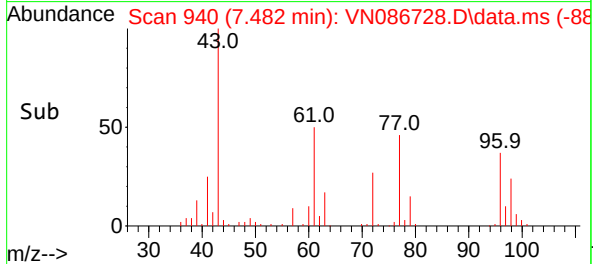
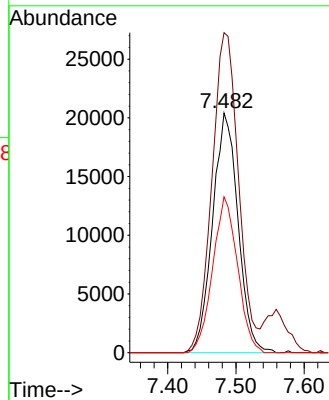
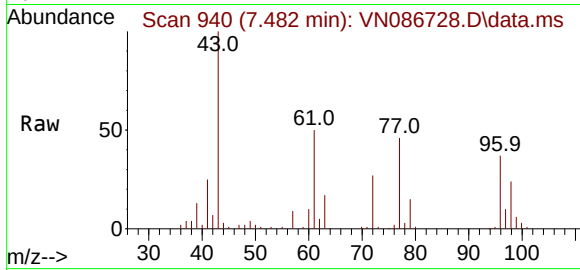
98 63.6 0.0 129.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#28

Bromochloromethane

Concen: 20.156 ug/l

RT: 7.812 min Scan# 996

Delta R.T. -0.000 min

Lab File: VN086728.D

Acq: 21 May 2025 13:53

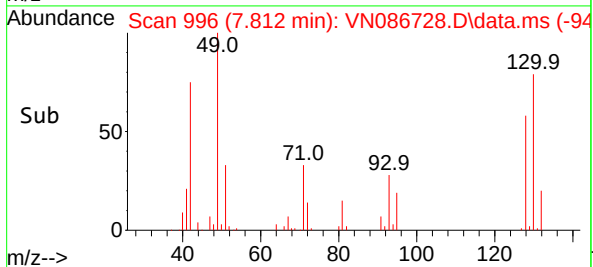
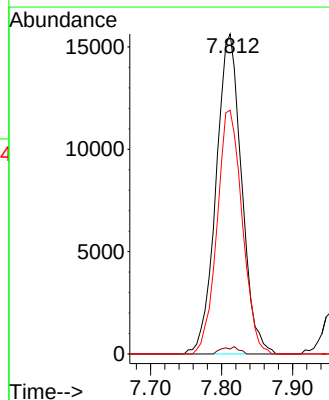
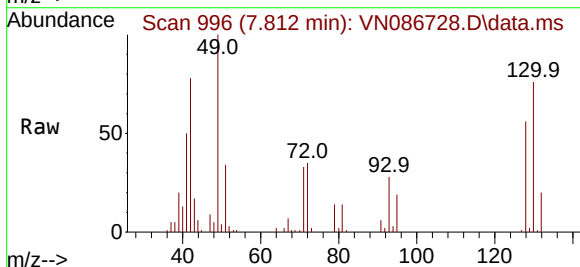
Tgt Ion: 49 Resp: 39029

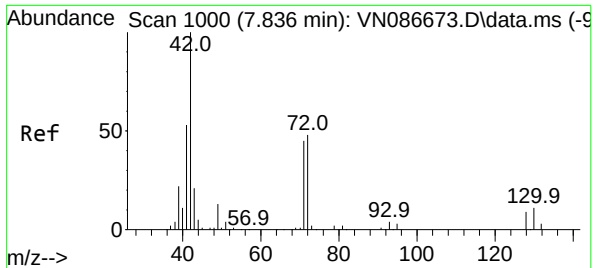
Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.8

130 75.2 62.2 93.4





#29

Tetrahydrofuran

Concen: 95.409 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN086728.D

Acq: 21 May 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBSD01

Tgt Ion: 42 Resp: 94804

Ion Ratio Lower Upper

42 100

72 47.4 38.7 58.1

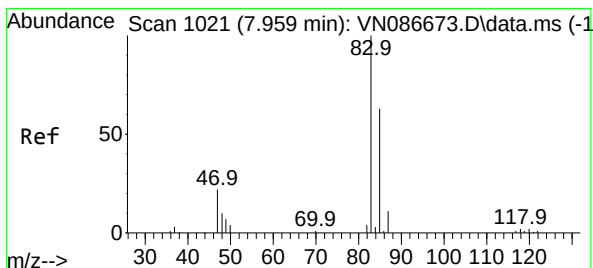
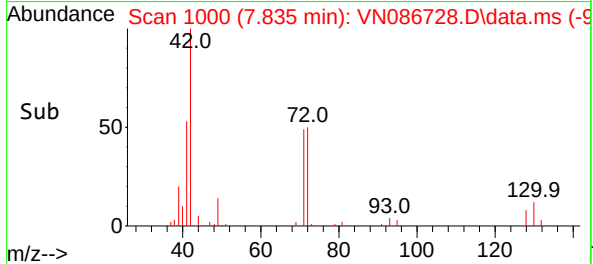
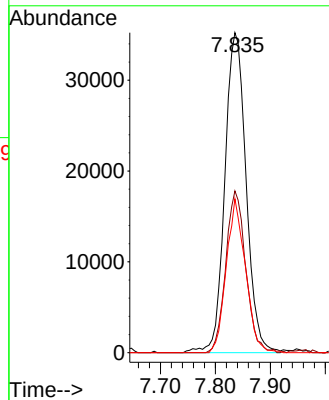
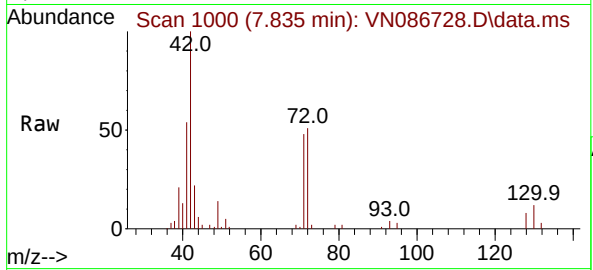
71 43.5 36.2 54.4

Manual Integrations

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Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#30

Chloroform

Concen: 19.096 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN086728.D

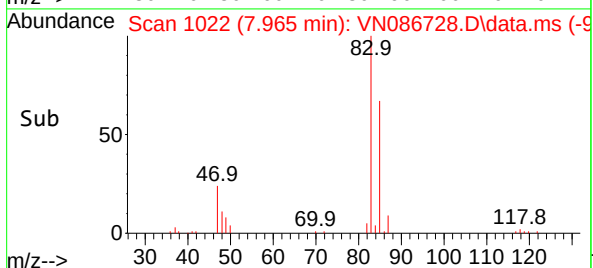
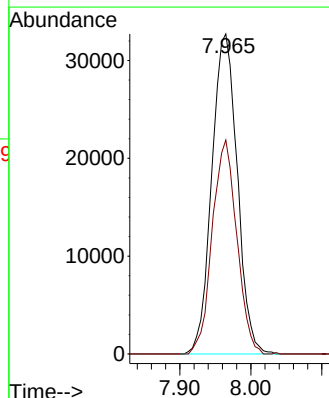
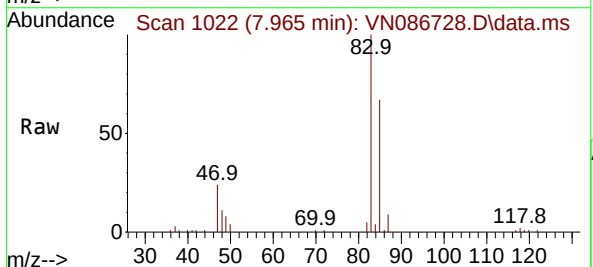
Acq: 21 May 2025 13:53

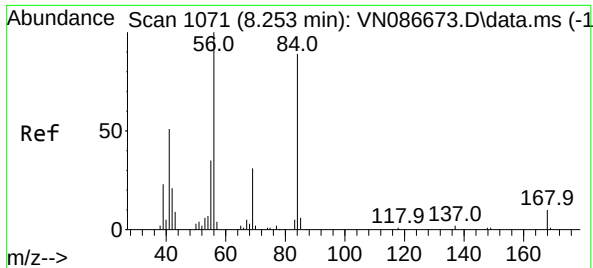
Tgt Ion: 83 Resp: 81462

Ion Ratio Lower Upper

83 100

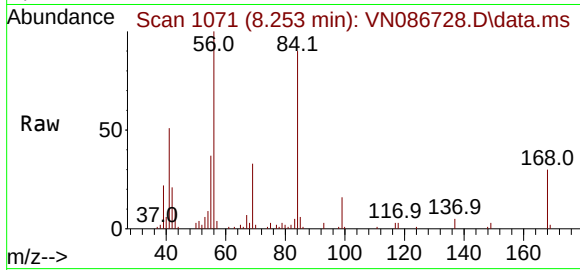
85 66.8 50.2 75.4





#31
Cyclohexane
Concen: 18.967 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

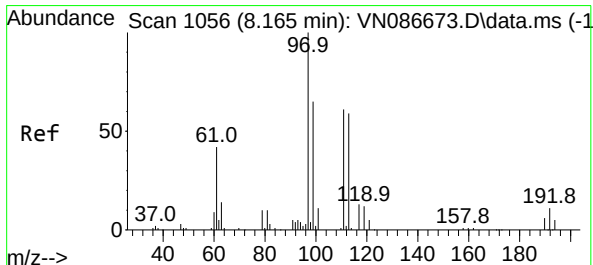
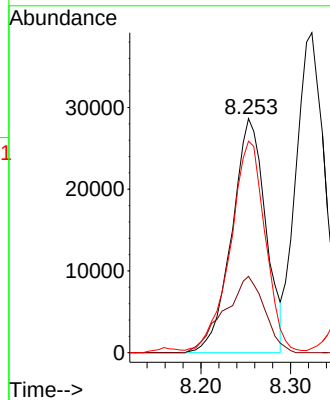
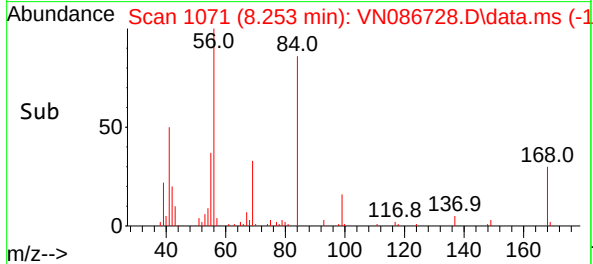
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01



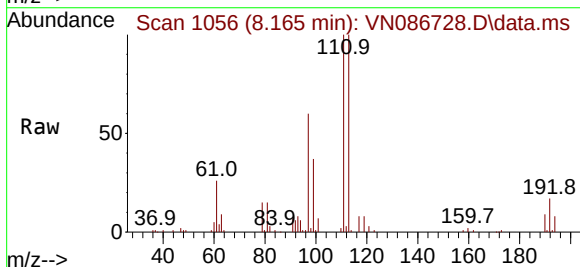
Tgt Ion: 56 Resp: 7497
Ion Ratio Lower Upper
56 100
69 32.6 25.0 37.6
84 89.1 71.0 106.4

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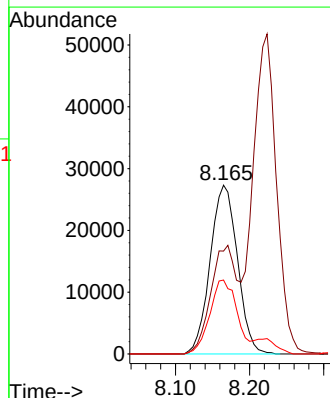
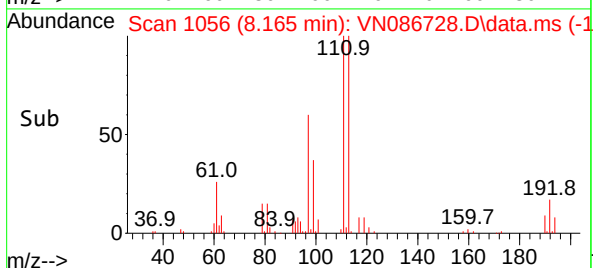
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

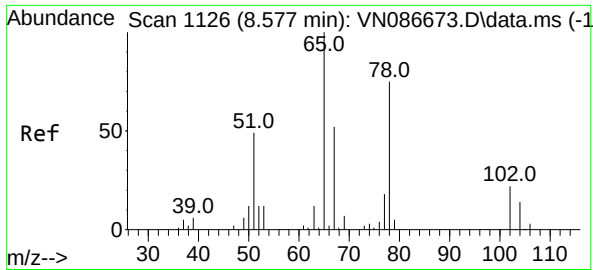


#32
1,1,1-Trichloroethane
Concen: 19.400 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53



Tgt Ion: 97 Resp: 69775
Ion Ratio Lower Upper
97 100
99 63.0 52.6 79.0
61 43.6 37.7 56.5





#33

1,2-Dichloroethane-d4

Concen: 49.975 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086728.D

Acq: 21 May 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBSD01

Tgt Ion: 65 Resp: 13161

Ion Ratio Lower Upper

65 100

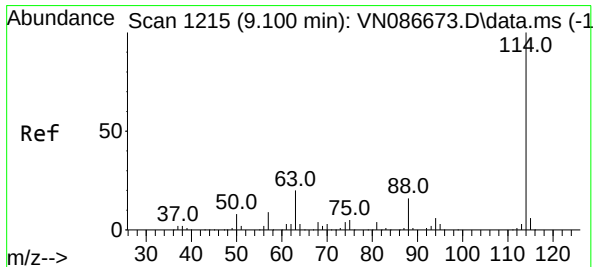
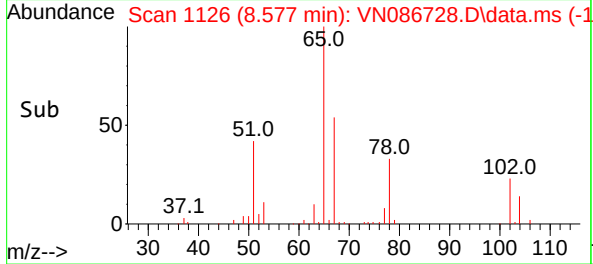
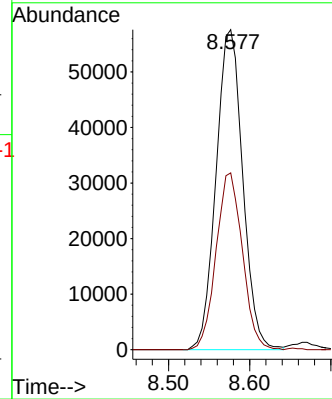
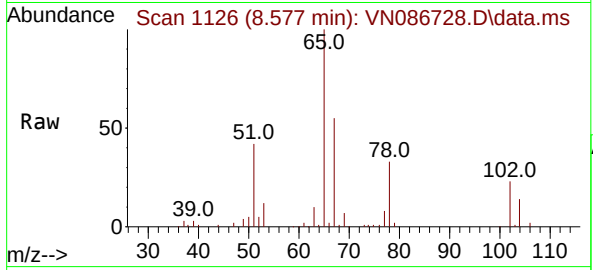
67 54.4 0.0 106.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086728.D

Acq: 21 May 2025 13:53

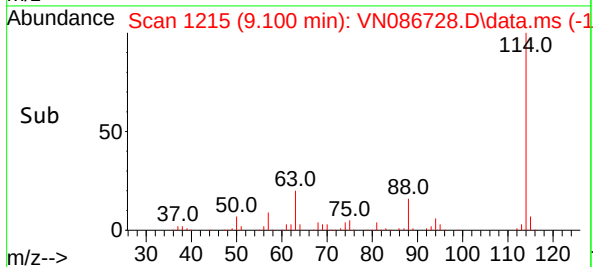
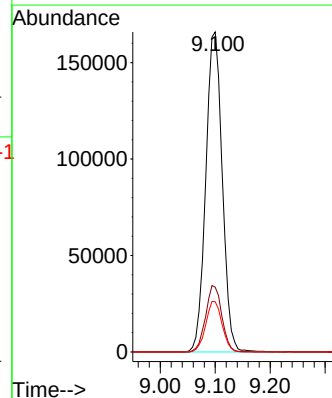
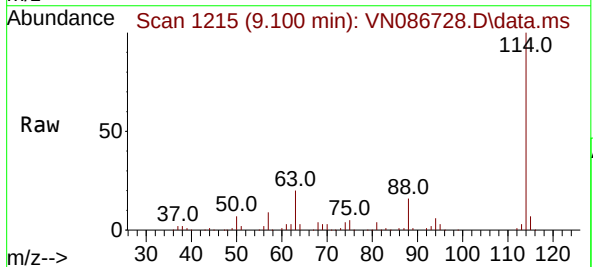
Tgt Ion:114 Resp: 345539

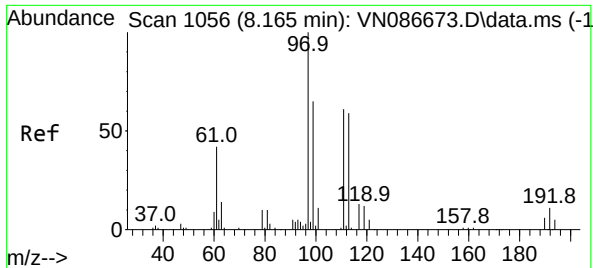
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.2

88 15.7 0.0 31.2





#35

Dibromofluoromethane

Concen: 51.212 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086728.D

Acq: 21 May 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBSD01

Tgt Ion:113 Resp: 10538

Ion Ratio Lower Upper

113 100

111 104.1 82.2 123.2

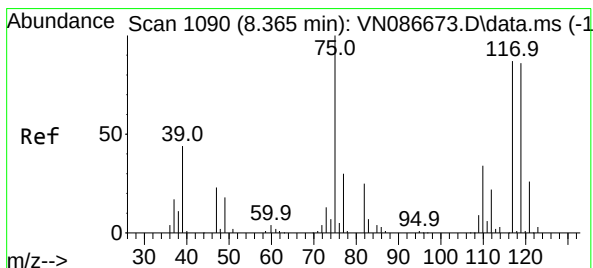
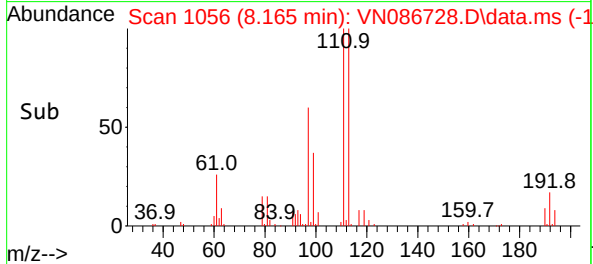
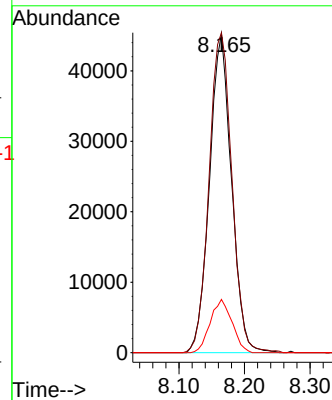
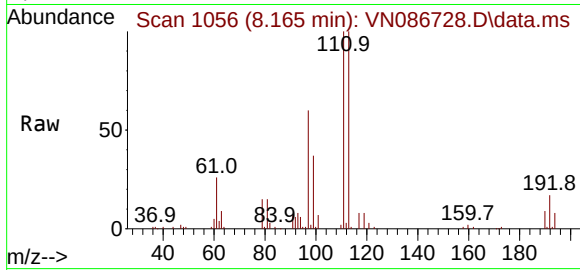
192 16.6 13.8 20.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#36

1,1-Dichloropropene

Concen: 19.701 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VN086728.D

Acq: 21 May 2025 13:53

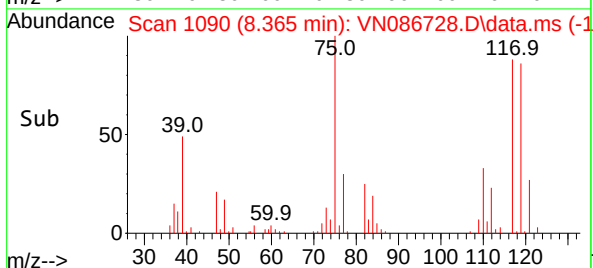
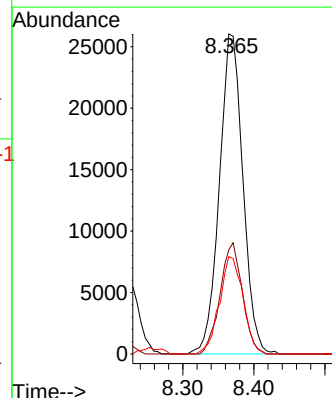
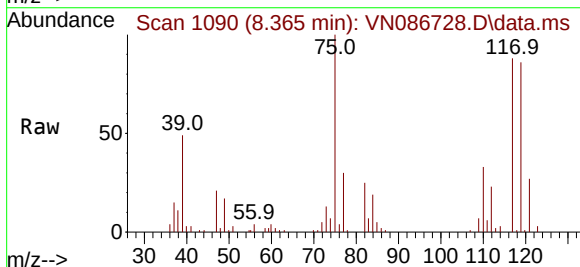
Tgt Ion: 75 Resp: 59799

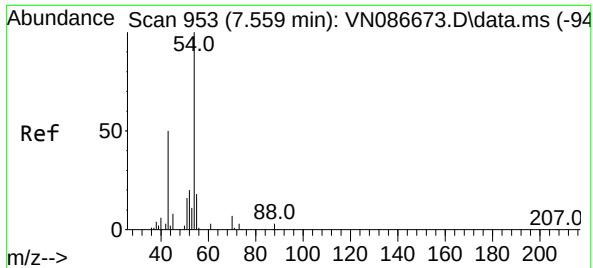
Ion Ratio Lower Upper

75 100

110 33.0 17.5 52.5

77 30.4 25.1 37.7





#37

Ethyl Acetate

Concen: 18.629 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN086728.D

Acq: 21 May 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBSD01

Tgt Ion: 43 Resp: 57120

Ion Ratio Lower Upper

43 100

61 14.2 11.6 17.4

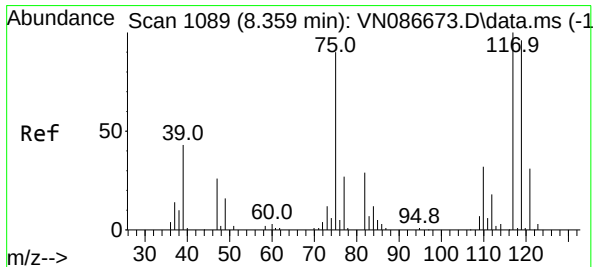
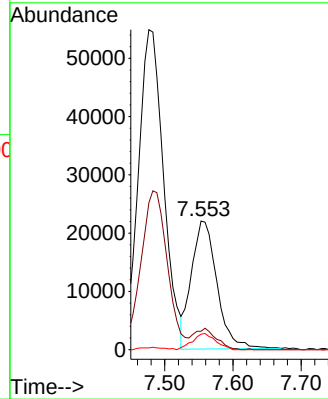
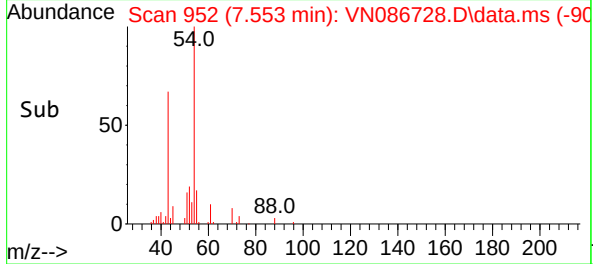
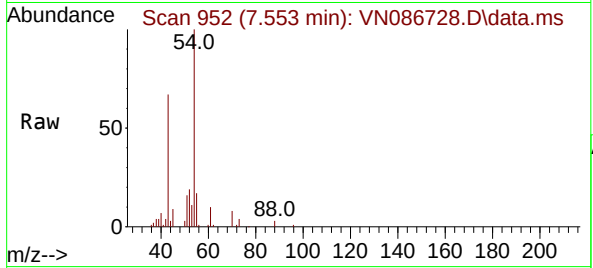
70 11.5 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#38

Carbon Tetrachloride

Concen: 19.667 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN086728.D

Acq: 21 May 2025 13:53

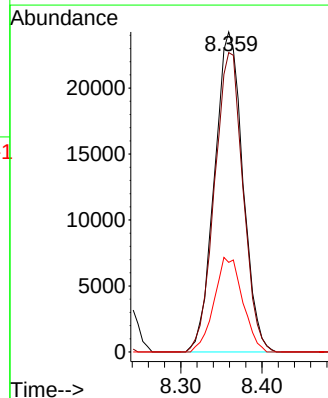
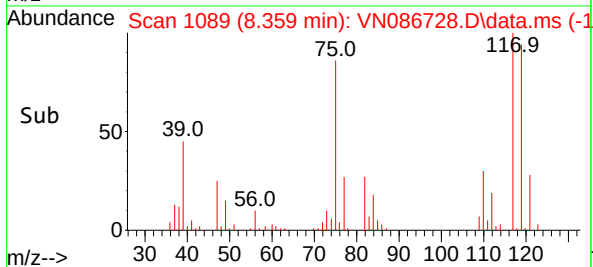
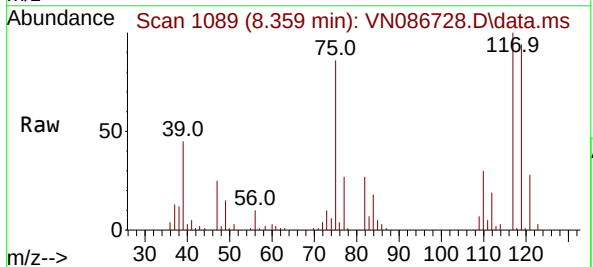
Tgt Ion:117 Resp: 58820

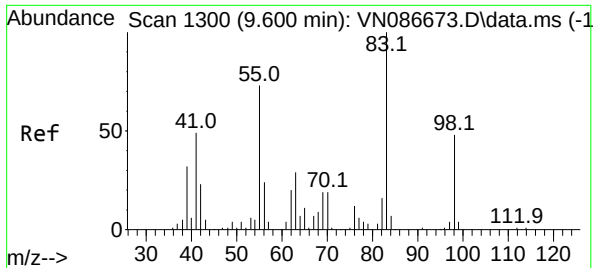
Ion Ratio Lower Upper

117 100

119 93.6 77.0 115.6

121 28.0 25.0 37.6





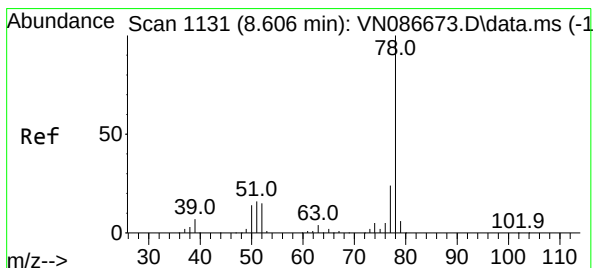
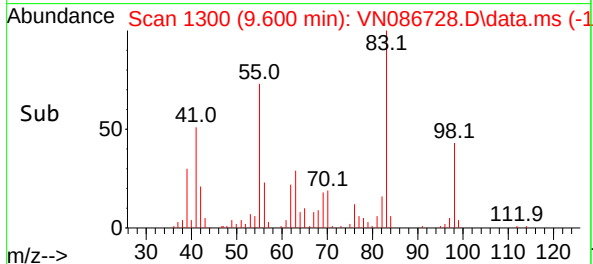
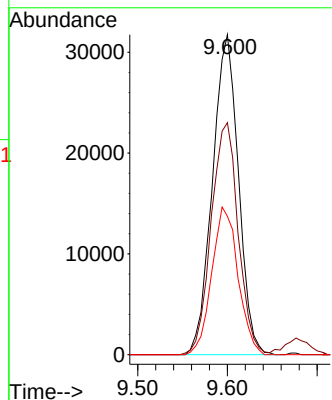
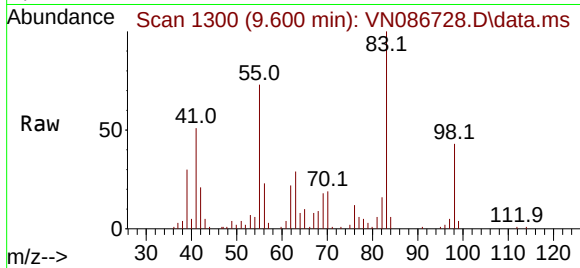
#39
Methylcyclohexane
Concen: 19.431 ug/l
RT: 9.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01

Tgt Ion: 83 Resp: 63834
Ion Ratio Lower Upper
83 100
55 72.5 58.2 87.4
98 43.2 38.4 57.6

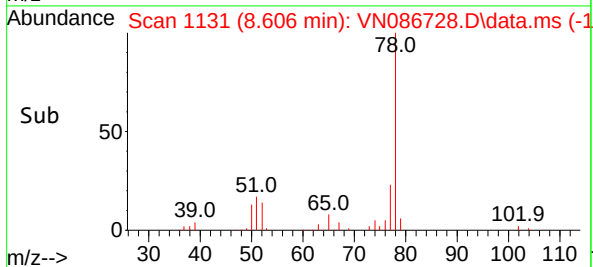
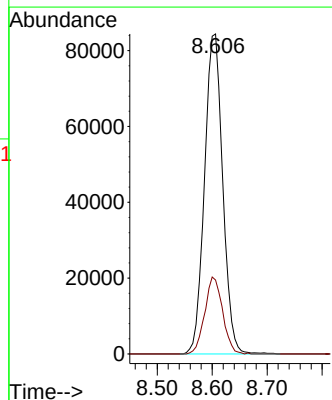
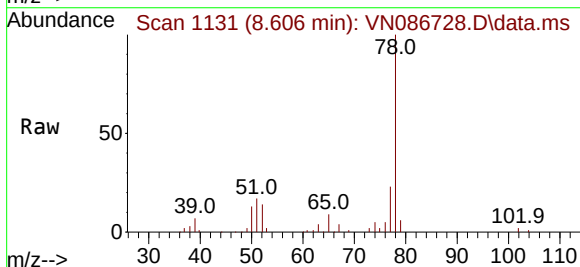
Manual Integrations
APPROVED

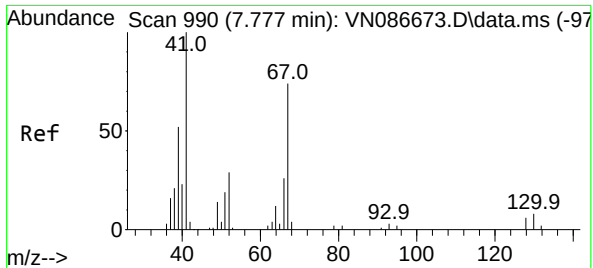
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#40
Benzene
Concen: 19.625 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

Tgt Ion: 78 Resp: 194322
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7





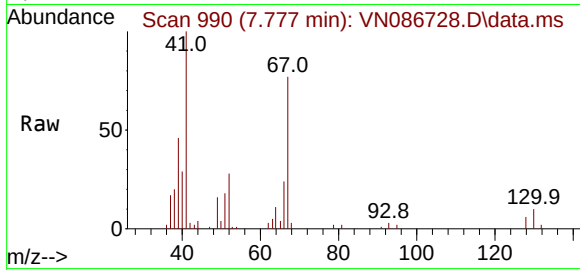
#41
Methacrylonitrile
Concen: 19.764 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBSD01

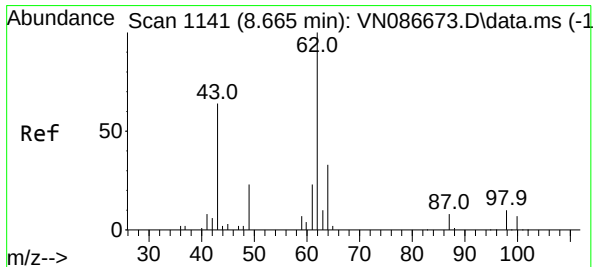
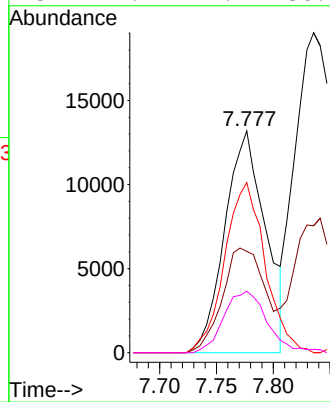
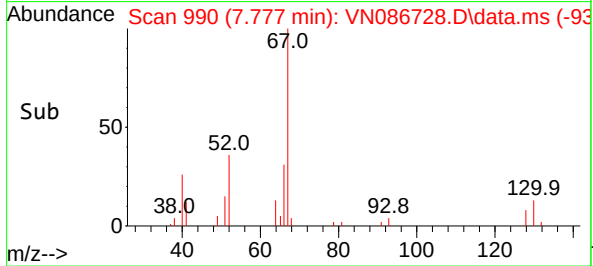


Tgt Ion: 41 Resp: 32719
Ion Ratio Lower Upper
41 100
39 48.5 44.9 67.3
67 76.5 63.4 95.0
52 29.7 24.4 36.6

Manual Integrations

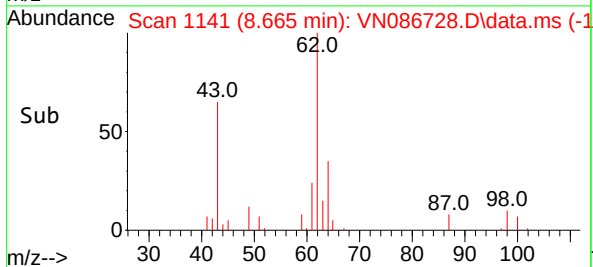
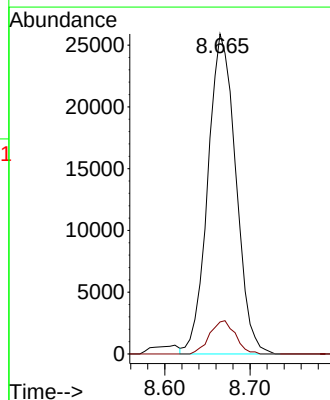
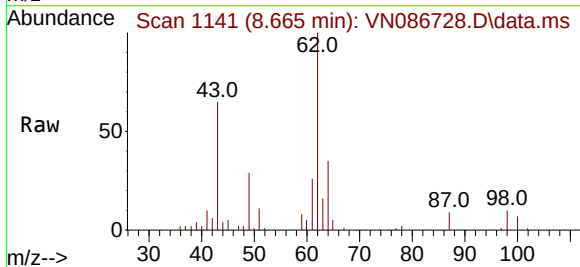
APPROVED

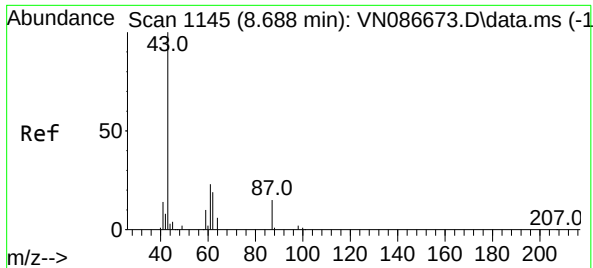
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#42
1,2-Dichloroethane
Concen: 19.146 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

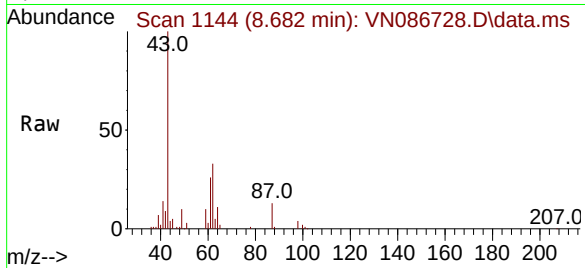
Tgt Ion: 62 Resp: 59065
Ion Ratio Lower Upper
62 100
98 9.5 0.0 19.2





#43
Isopropyl Acetate
Concen: 17.132 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

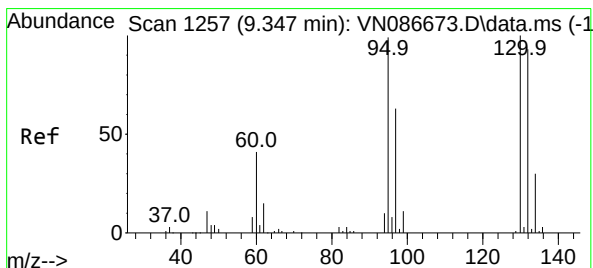
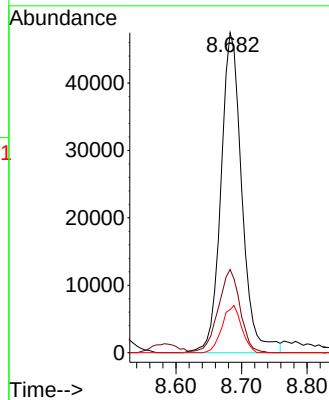
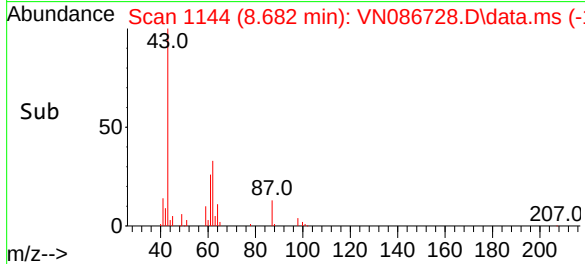
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01



Tgt Ion: 43 Resp: 105300
Ion Ratio Lower Upper
43 100
61 27.0 21.4 32.2
87 13.6 11.1 16.7

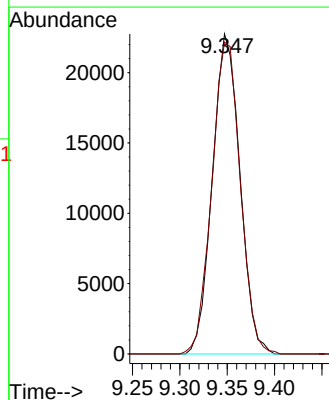
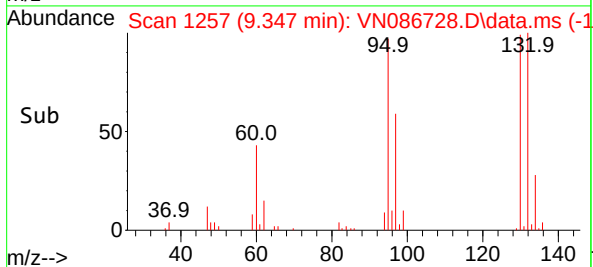
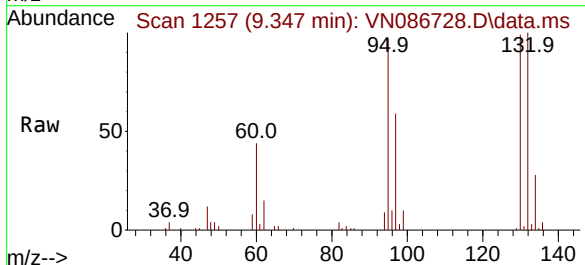
Manual Integrations
APPROVED

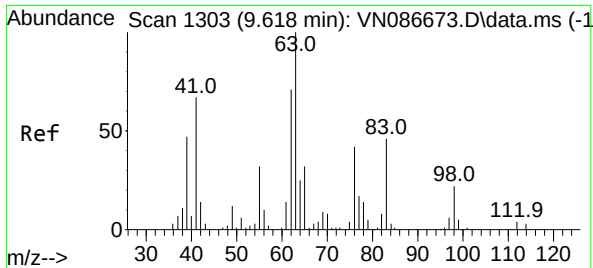
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#44
Trichloroethene
Concen: 19.248 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

Tgt Ion:130 Resp: 45970
Ion Ratio Lower Upper
130 100
95 97.5 0.0 197.0





#45

1,2-Dichloropropane

Concen: 19.743 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086728.D

Acq: 21 May 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBSD01

Tgt Ion: 63 Resp: 4644

Ion Ratio Lower Upper

63 100

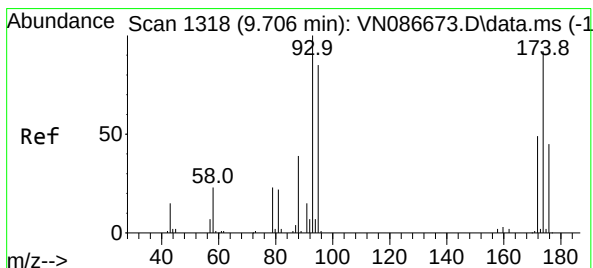
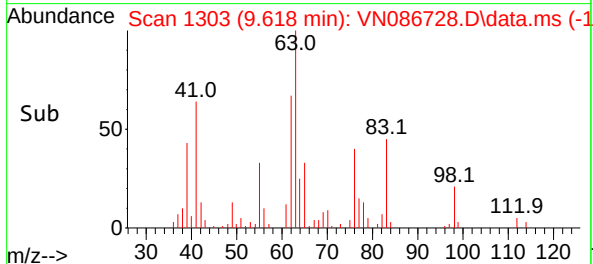
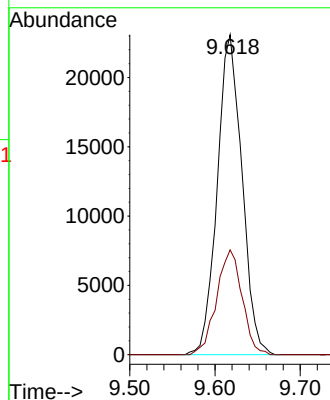
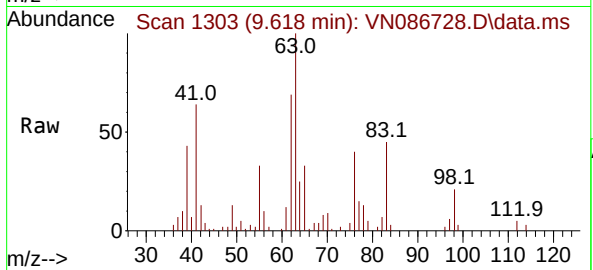
65 32.7 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#46

Dibromomethane

Concen: 19.638 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086728.D

Acq: 21 May 2025 13:53

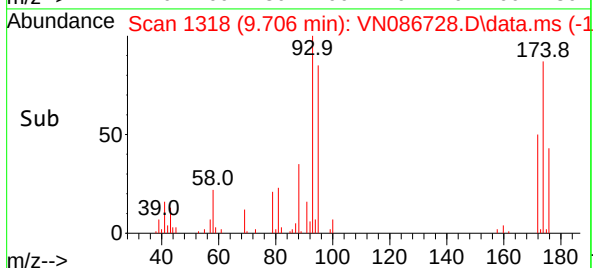
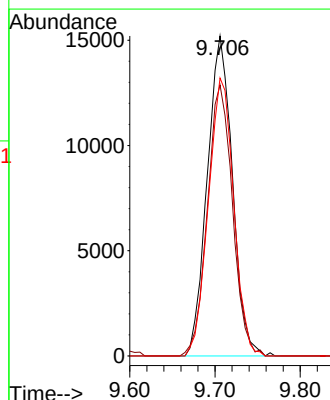
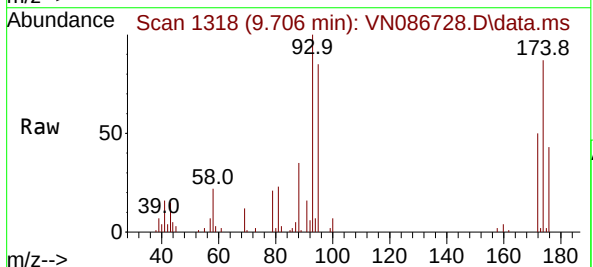
Tgt Ion: 93 Resp: 31170

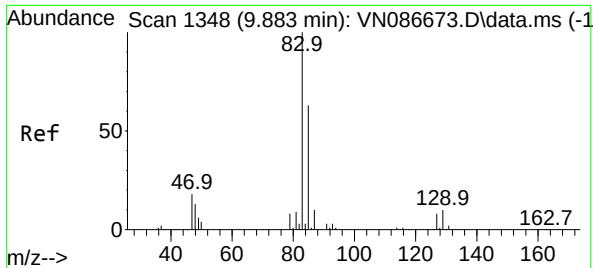
Ion Ratio Lower Upper

93 100

95 84.6 67.1 100.7

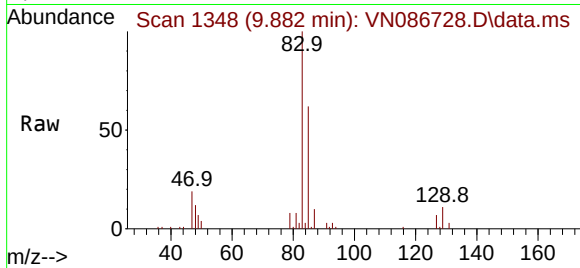
174 87.2 73.8 110.6





#47
Bromodichloromethane
Concen: 19.180 ug/l
RT: 9.882 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

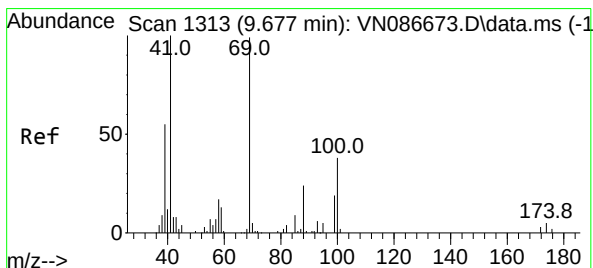
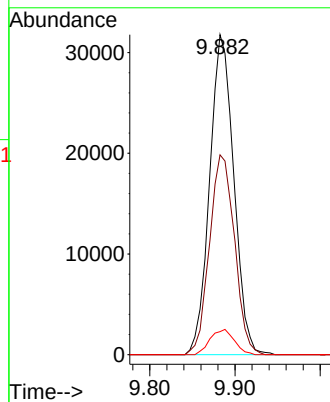
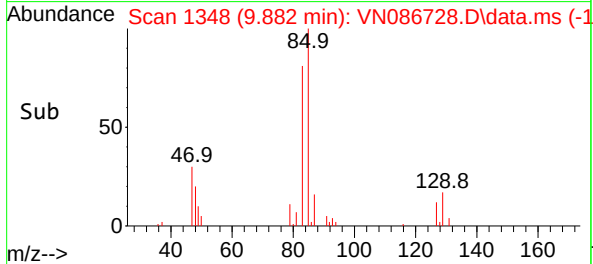
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01



Tgt Ion: 83 Resp: 62724
Ion Ratio Lower Upper
83 100
85 62.5 50.1 75.1
127 7.2 6.2 9.4

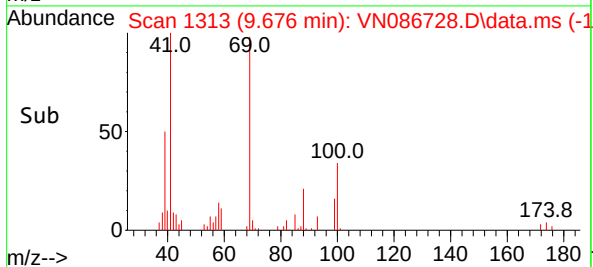
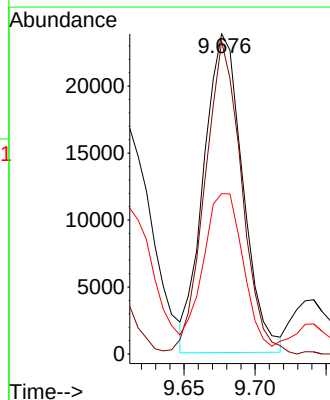
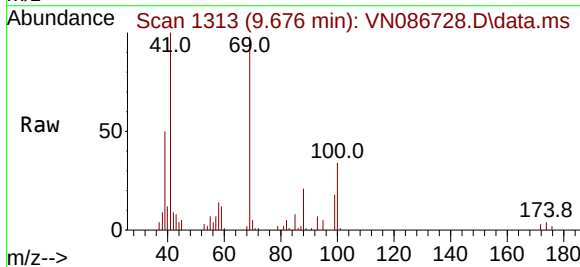
Manual Integrations
APPROVED

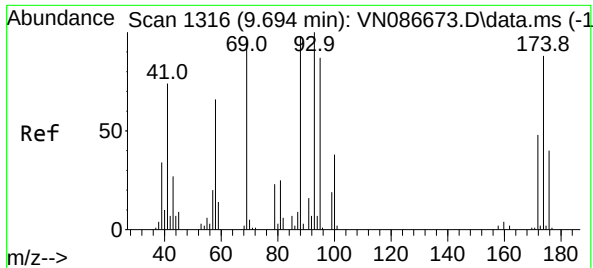
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#48
Methyl methacrylate
Concen: 19.145 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

Tgt Ion: 41 Resp: 45600
Ion Ratio Lower Upper
41 100
69 92.5 74.1 111.1
39 52.6 44.1 66.1





#49

1,4-Dioxane

Concen: 386.909 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN086728.D

Acq: 21 May 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBSD01

Tgt Ion: 88 Resp: 19514

Ion Ratio Lower Upper

88 100

43 18.7 23.6 35.4

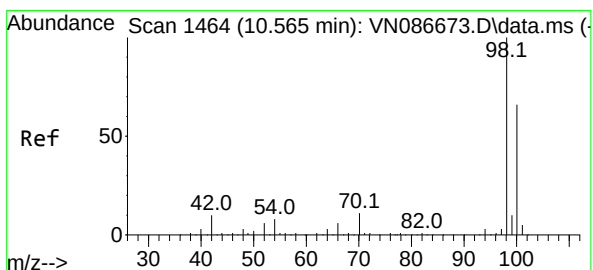
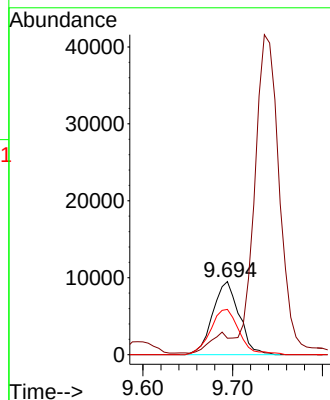
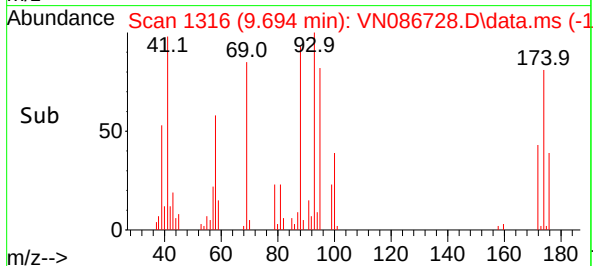
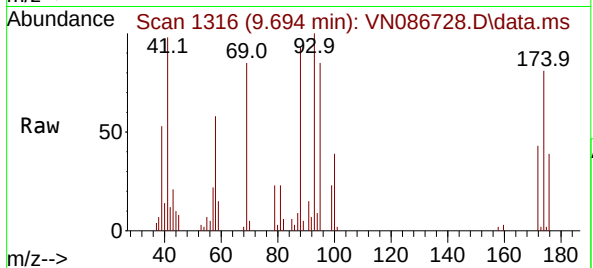
58 67.2 55.3 82.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#50

Toluene-d8

Concen: 51.410 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086728.D

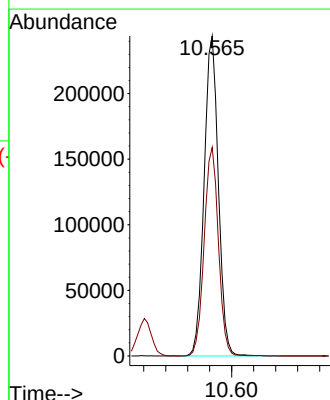
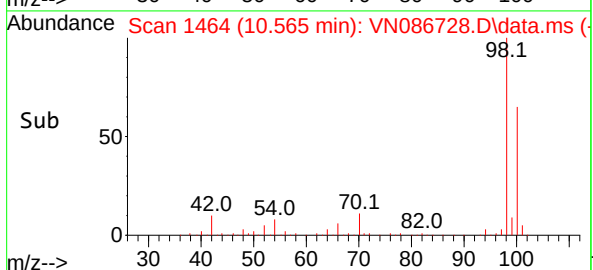
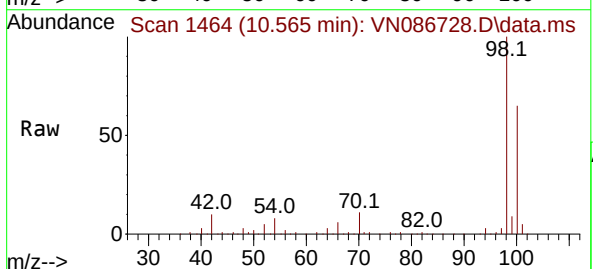
Acq: 21 May 2025 13:53

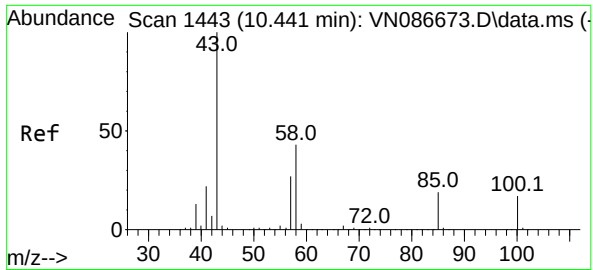
Tgt Ion: 98 Resp: 438409

Ion Ratio Lower Upper

98 100

100 65.2 52.9 79.3





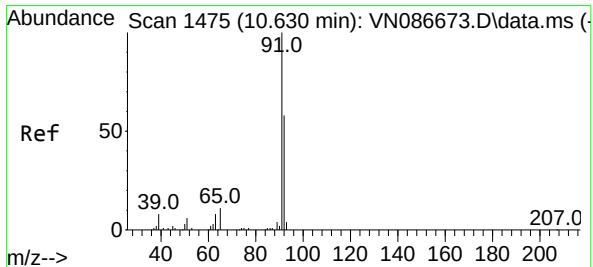
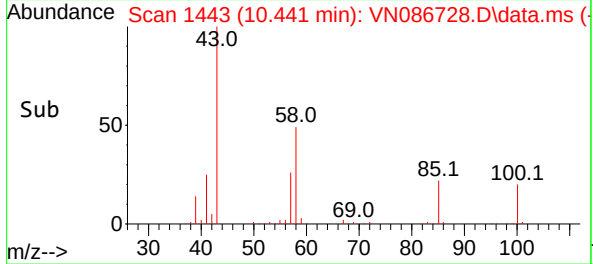
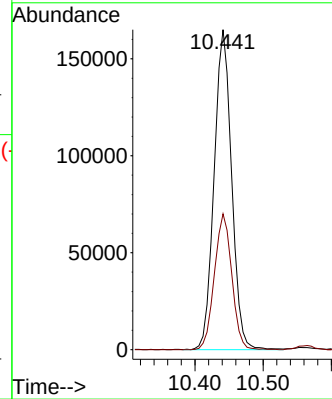
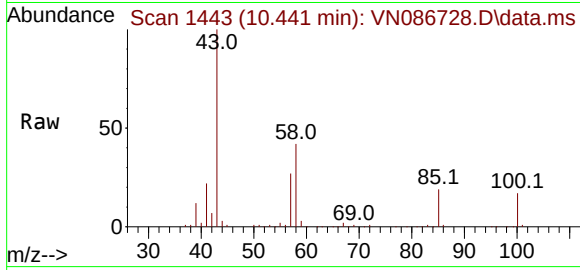
#51
4-Methyl-2-Pentanone
Concen: 95.133 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01

Tgt Ion: 43 Resp: 29488
Ion Ratio Lower Upper
43 100
58 42.2 33.9 50.9

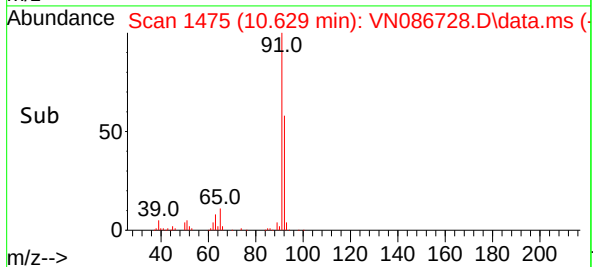
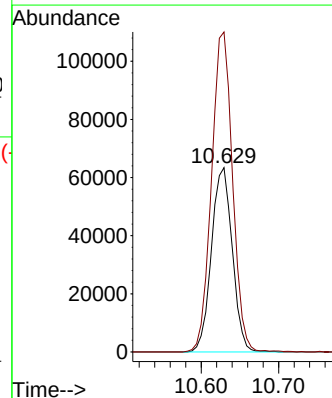
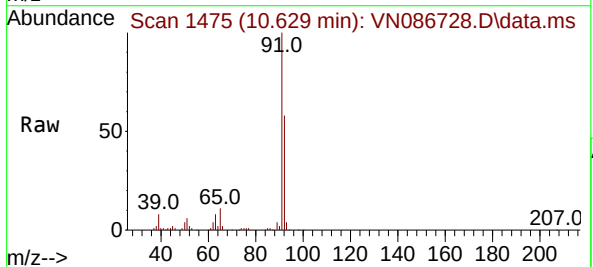
Manual Integrations
APPROVED

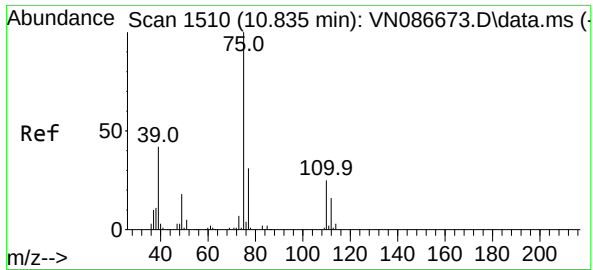
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#52
Toluene
Concen: 19.227 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

Tgt Ion: 92 Resp: 118329
Ion Ratio Lower Upper
92 100
91 175.3 137.8 206.8





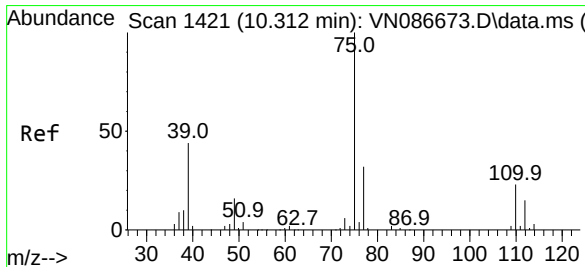
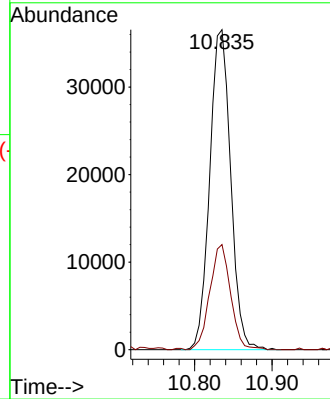
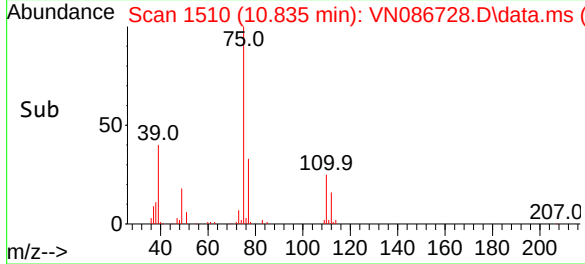
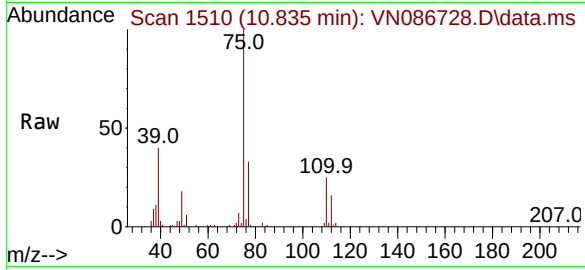
#53
t-1,3-Dichloropropene
Concen: 19.829 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01

Tgt Ion: 75 Resp: 68658
Ion Ratio Lower Upper
75 100
77 32.9 25.2 37.8

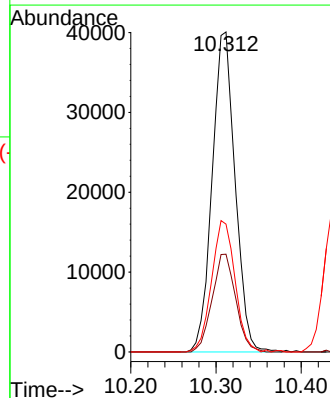
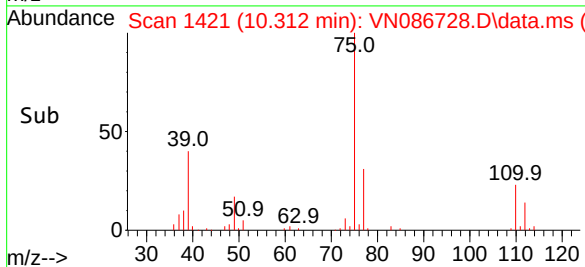
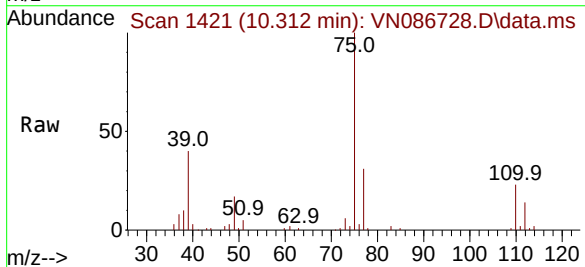
Manual Integrations
APPROVED

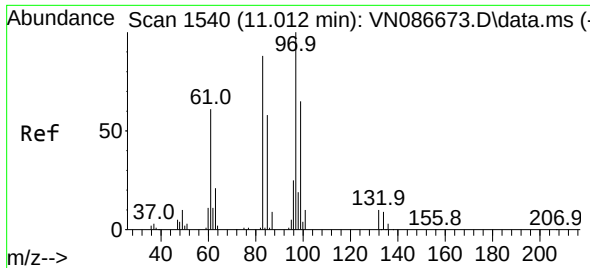
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#54
cis-1,3-Dichloropropene
Concen: 19.887 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

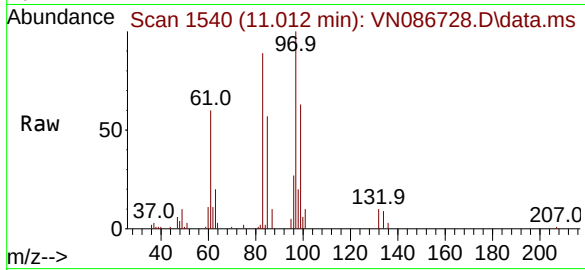
Tgt Ion: 75 Resp: 75171
Ion Ratio Lower Upper
75 100
77 30.5 25.3 37.9
39 40.0 35.2 52.8





#55
1,1,2-Trichloroethane
Concen: 18.810 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

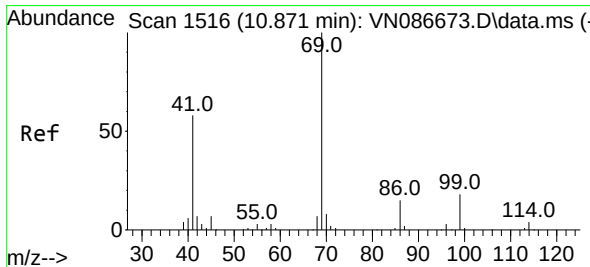
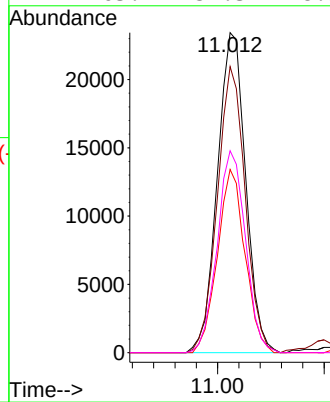
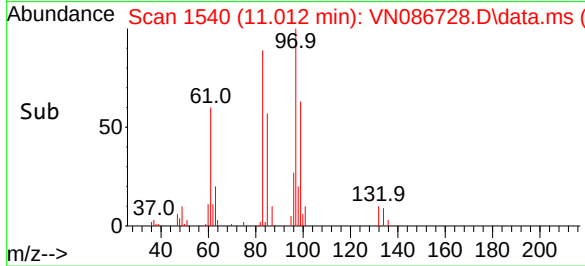
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01



Tgt Ion: 97 Resp: 4318
Ion Ratio Lower Upper
97 100
83 89.4 70.4 105.6
85 57.2 46.1 69.1
99 63.1 52.3 78.5

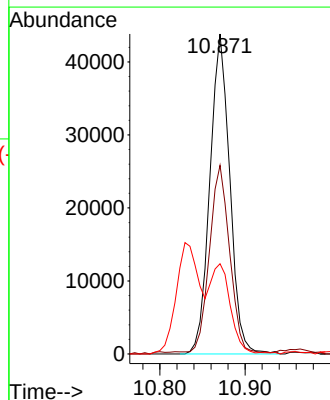
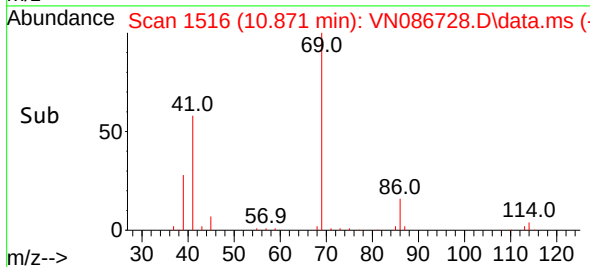
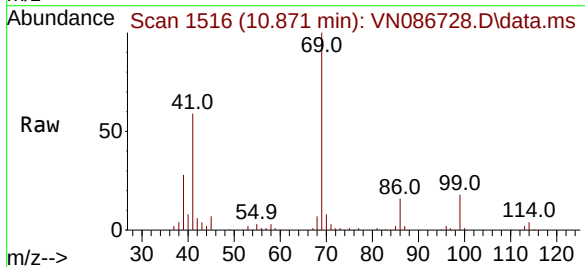
Manual Integrations
APPROVED

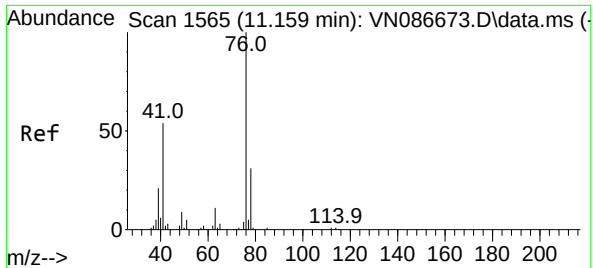
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#56
Ethyl methacrylate
Concen: 19.318 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

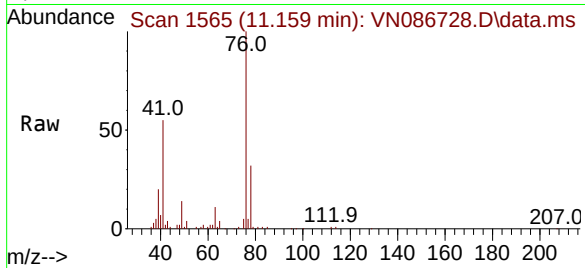
Tgt Ion: 69 Resp: 71206
Ion Ratio Lower Upper
69 100
41 59.4 47.4 71.0
39 29.0 24.0 36.0





#57
1,3-Dichloropropane
Concen: 19.497 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

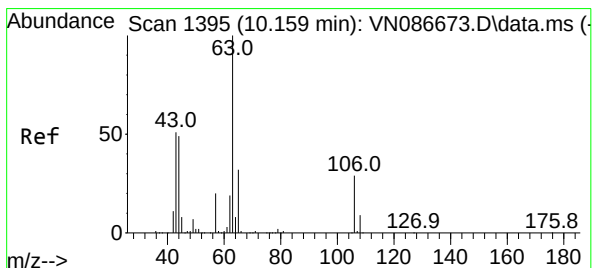
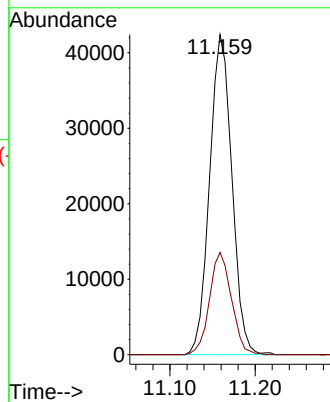
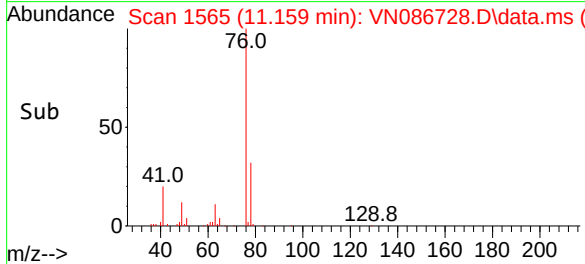
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01



Tgt Ion: 76 Resp: 77110
Ion Ratio Lower Upper
76 100
78 31.4 25.8 38.8

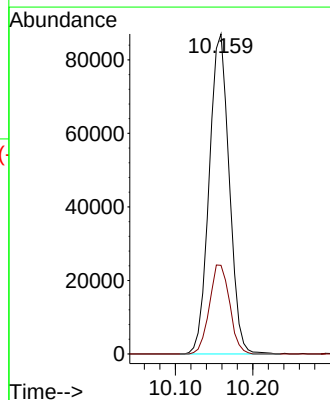
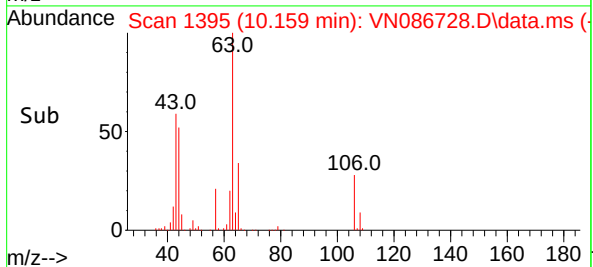
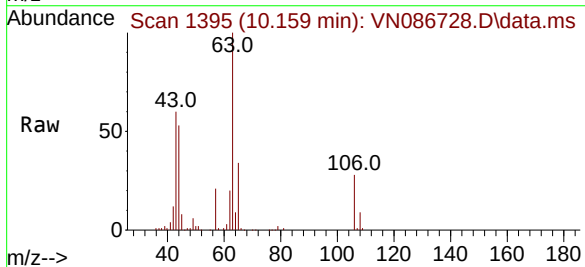
Manual Integrations
APPROVED

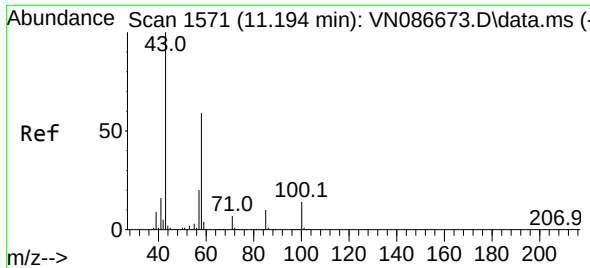
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#58
2-Chloroethyl Vinyl ether
Concen: 94.987 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

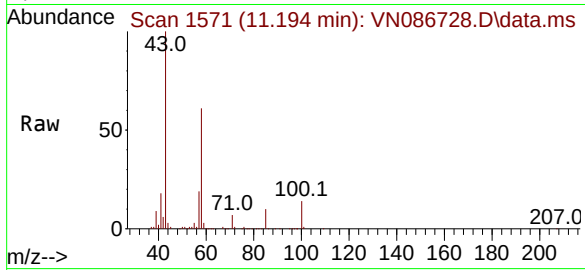
Tgt Ion: 63 Resp: 156480
Ion Ratio Lower Upper
63 100
106 28.0 23.1 34.7





#59
2-Hexanone
Concen: 93.708 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

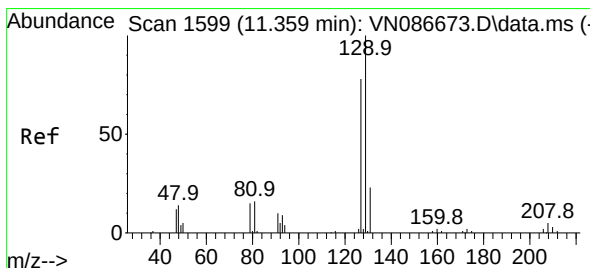
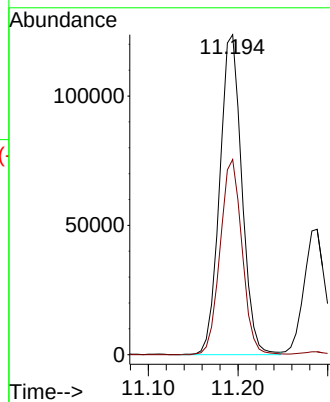
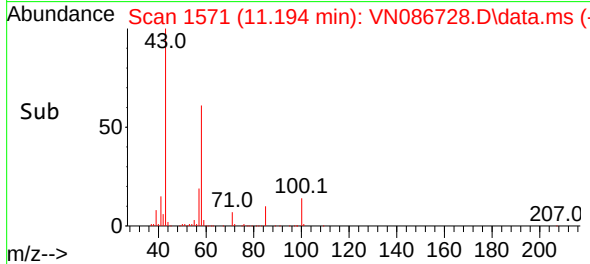
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01



Tgt Ion: 43 Resp: 212119
Ion Ratio Lower Upper
43 100
58 60.3 29.8 89.5

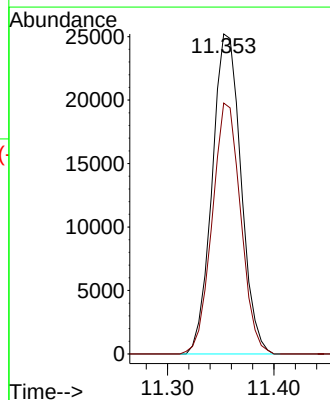
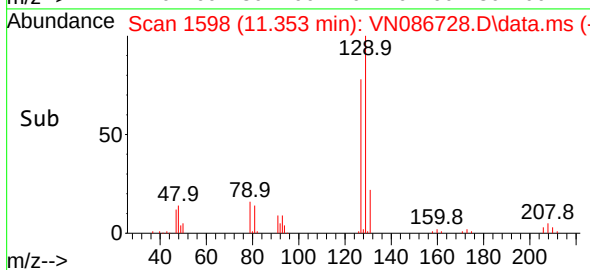
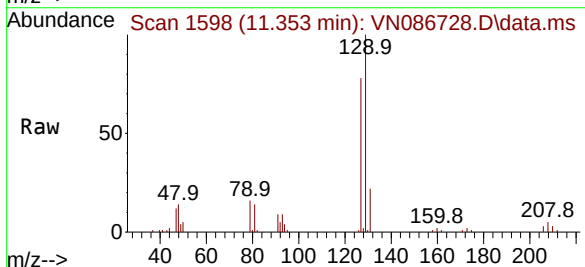
Manual Integrations
APPROVED

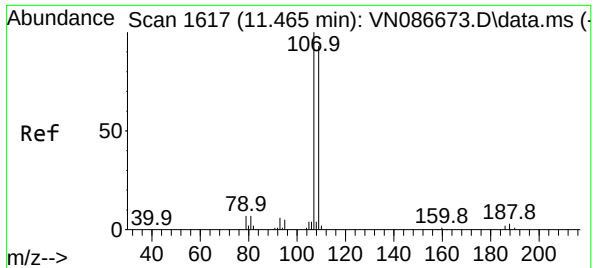
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#60
Dibromochloromethane
Concen: 19.675 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

Tgt Ion:129 Resp: 47337
Ion Ratio Lower Upper
129 100
127 77.4 39.5 118.3





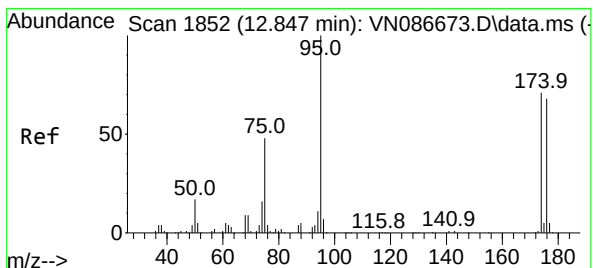
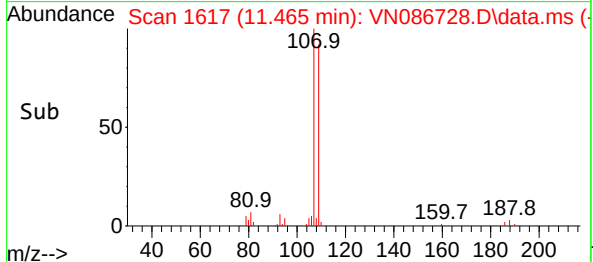
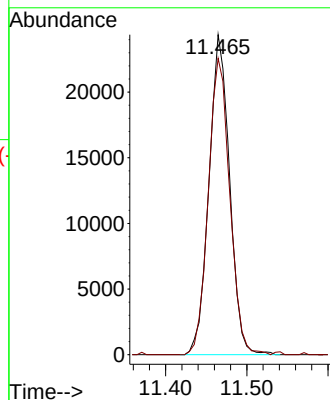
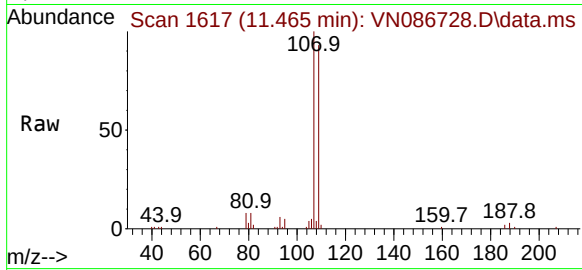
#61
1,2-Dibromoethane
Concen: 18.648 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01

Tgt Ion:107 Resp: 4302
Ion Ratio Lower Upper
107 100
109 96.3 75.0 112.4

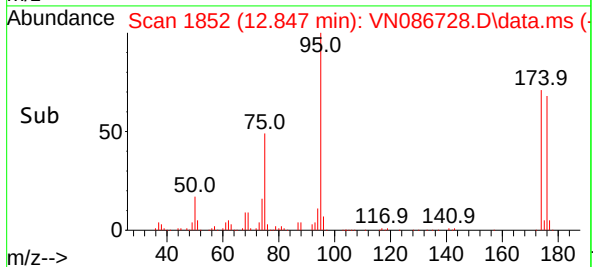
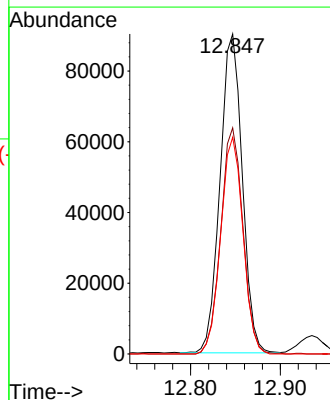
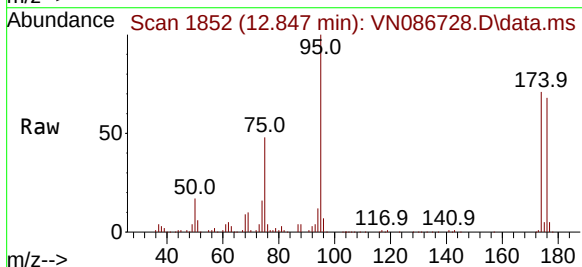
Manual Integrations
APPROVED

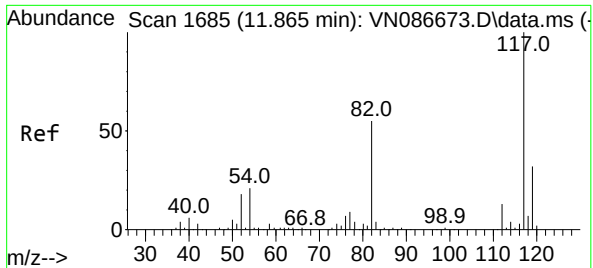
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#62
4-Bromofluorobenzene
Concen: 51.518 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

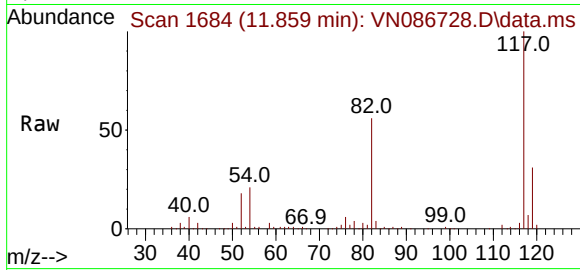
Tgt Ion: 95 Resp: 155126
Ion Ratio Lower Upper
95 100
174 70.7 0.0 145.4
176 68.0 0.0 137.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

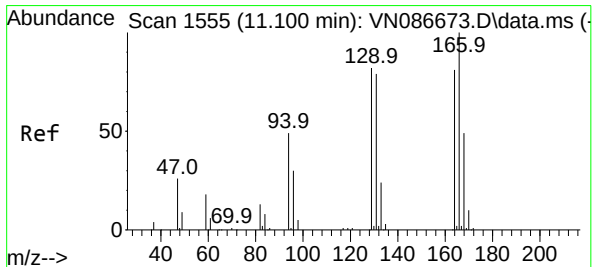
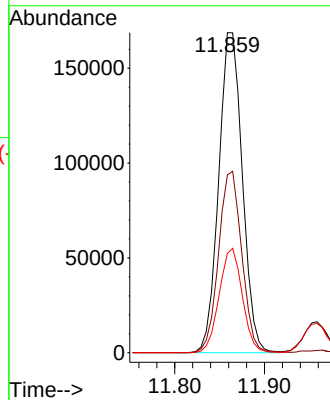
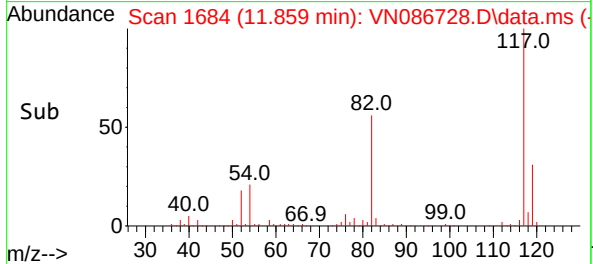
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01



Tgt Ion:117 Resp: 30885
Ion Ratio Lower Upper
117 100
82 55.6 44.2 66.2
119 31.0 25.4 38.2

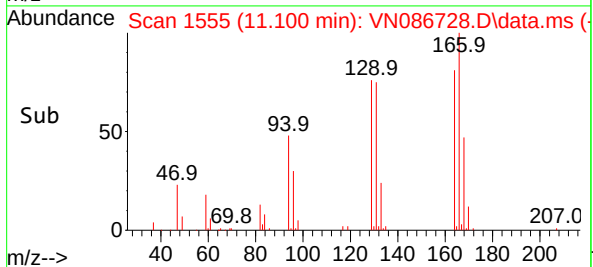
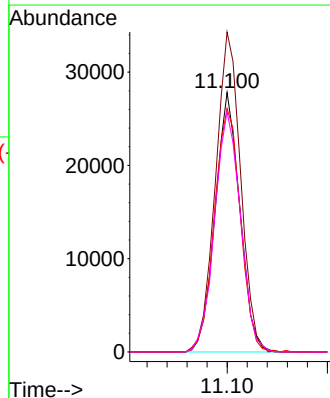
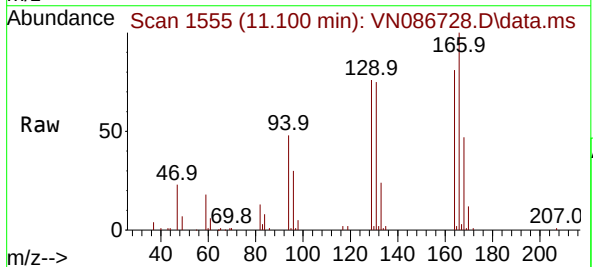
Manual Integrations
APPROVED

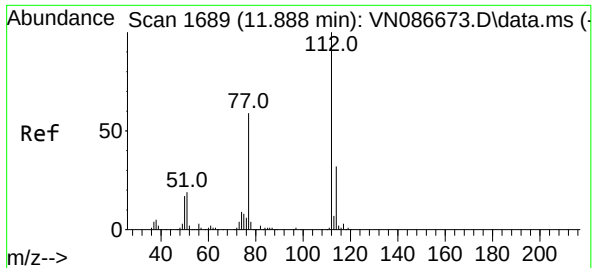
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#64
Tetrachloroethene
Concen: 20.092 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

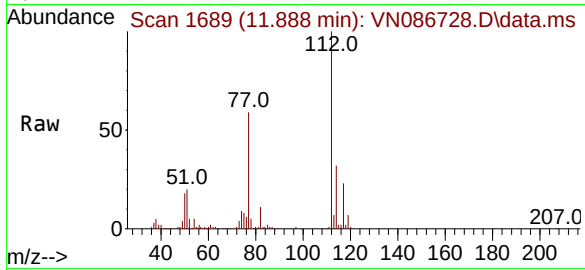
Tgt Ion:164 Resp: 47538
Ion Ratio Lower Upper
164 100
166 123.3 98.2 147.4
129 93.8 81.0 121.4
131 92.6 78.0 117.0





#65
Chlorobenzene
Concen: 18.972 ug/l
RT: 11.888 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

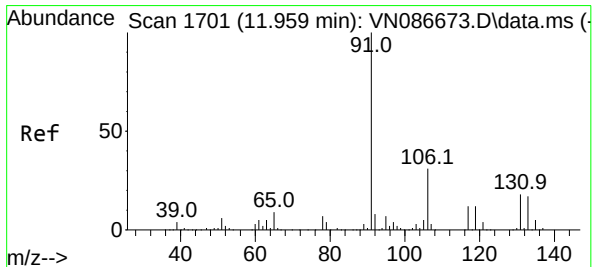
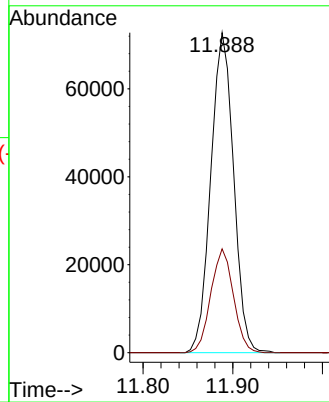
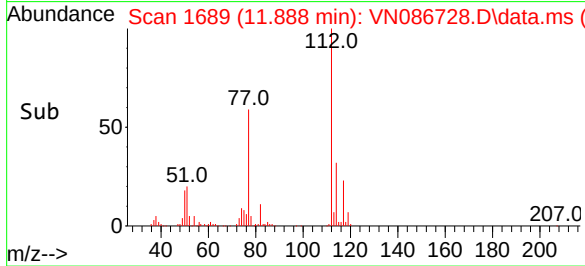
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01



Tgt Ion:112 Resp: 128490
Ion Ratio Lower Upper
112 100
114 32.5 25.9 38.9

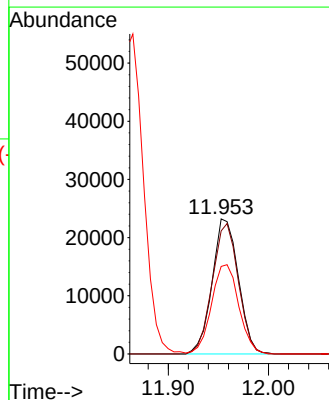
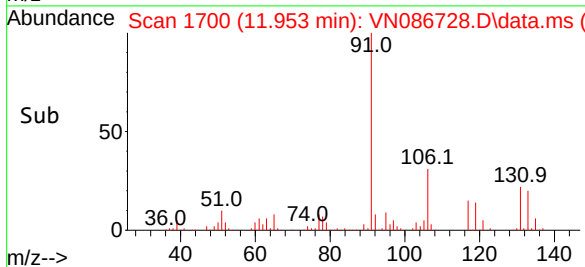
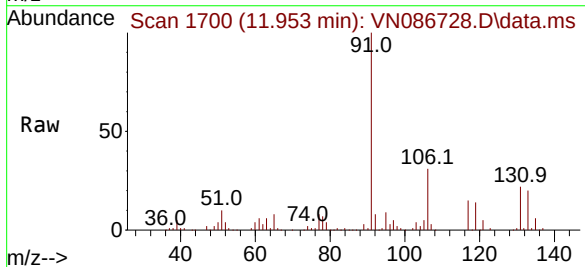
Manual Integrations
APPROVED

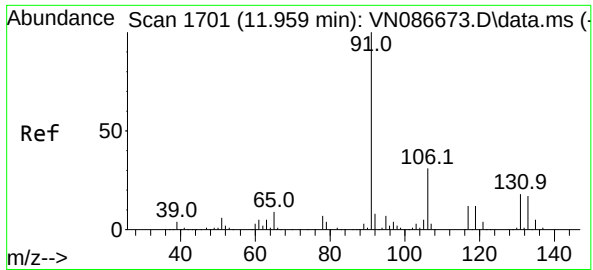
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 19.333 ug/l
RT: 11.953 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

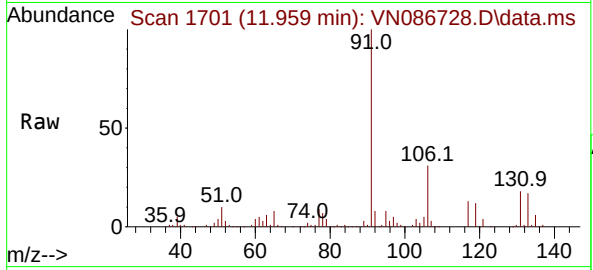
Tgt Ion:131 Resp: 42269
Ion Ratio Lower Upper
131 100
133 96.0 47.9 143.7
119 68.6 33.6 100.8





#67
Ethyl Benzene
Concen: 19.180 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

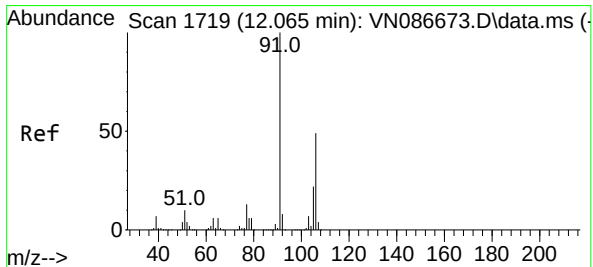
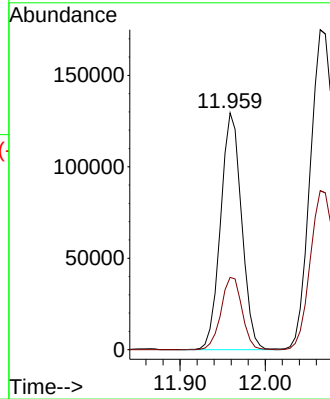
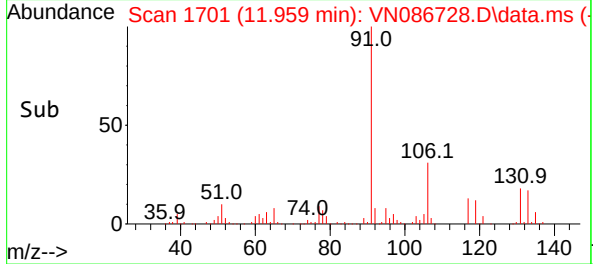
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01



Tgt Ion: 91 Resp: 222500
Ion Ratio Lower Upper
91 100
106 30.6 24.6 36.8

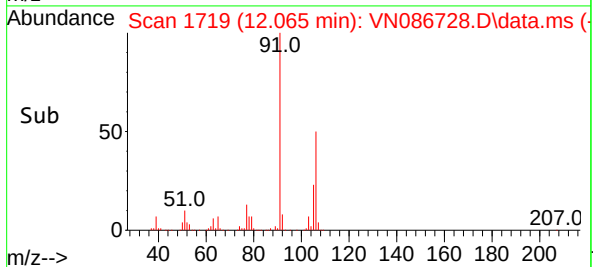
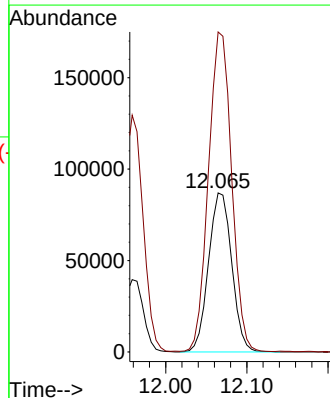
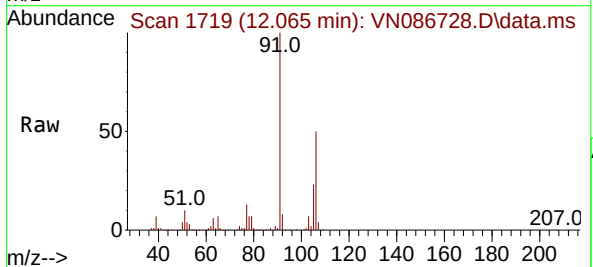
Manual Integrations
APPROVED

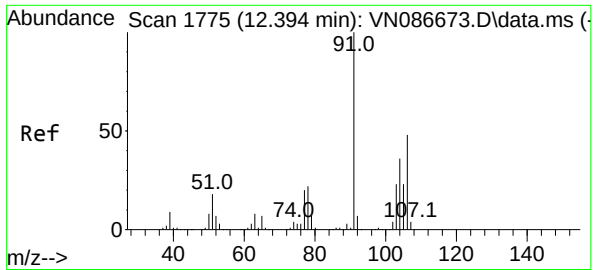
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#68
m/p-Xylenes
Concen: 39.312 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

Tgt Ion:106 Resp: 172731
Ion Ratio Lower Upper
106 100
91 200.6 162.4 243.6





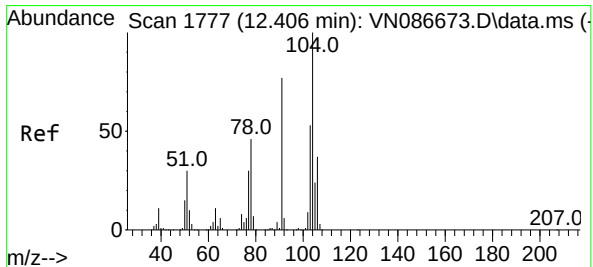
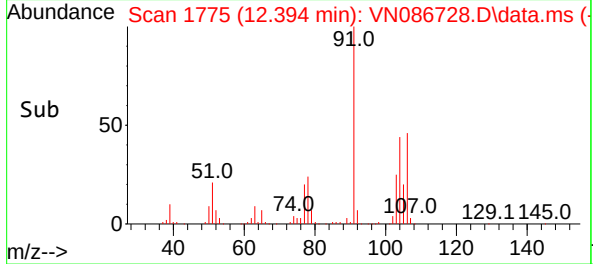
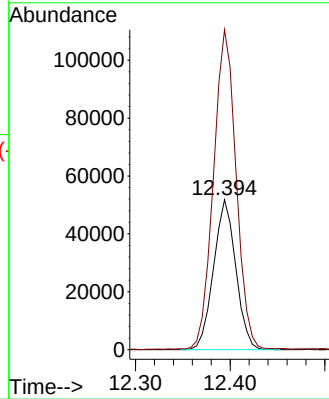
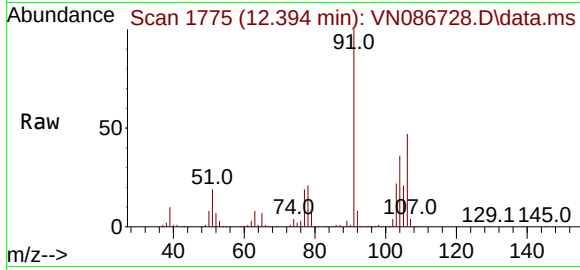
#69
o-Xylene
Concen: 19.305 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01

Tgt Ion:106 Resp: 84330
Ion Ratio Lower Upper
106 100
91 219.1 105.1 315.1

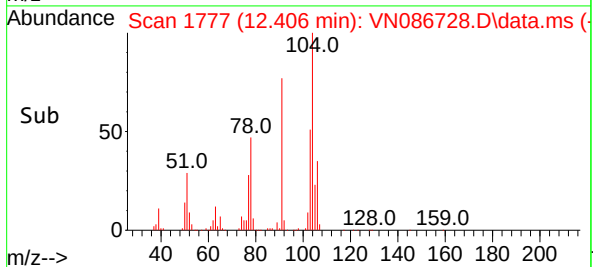
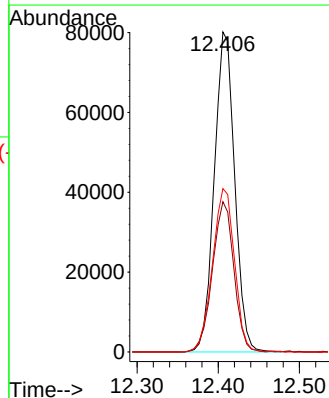
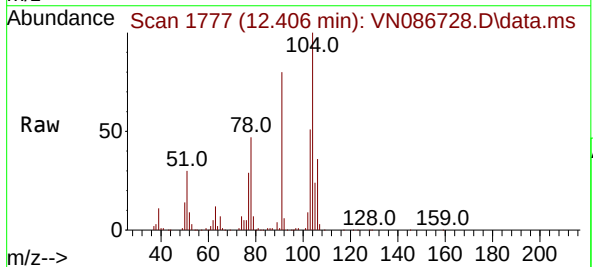
Manual Integrations
APPROVED

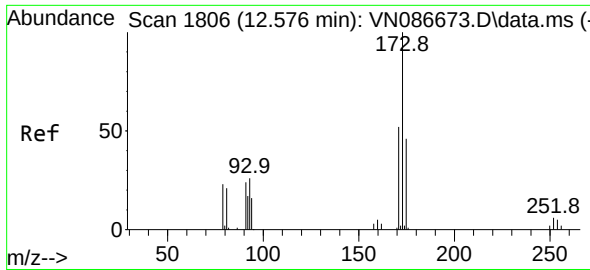
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#70
Styrene
Concen: 19.595 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

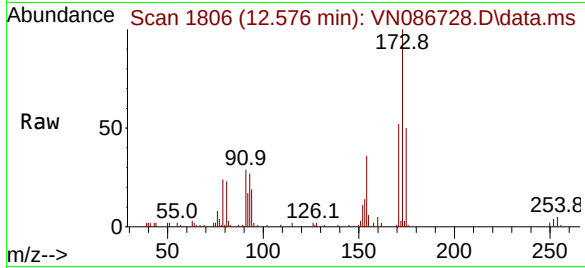
Tgt Ion:104 Resp: 140137
Ion Ratio Lower Upper
104 100
78 49.4 39.0 58.6
103 54.9 43.8 65.8





#71
Bromoform
Concen: 19.435 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

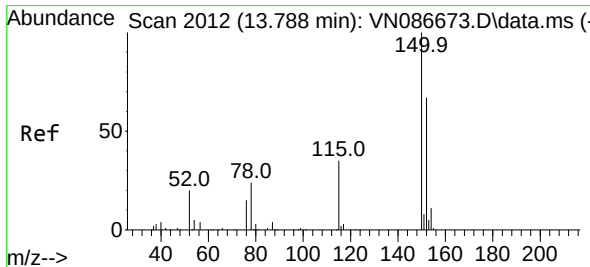
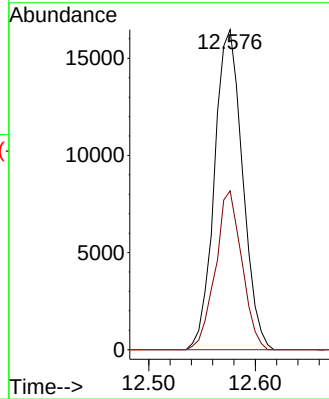
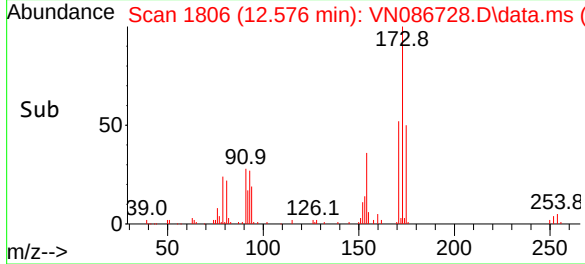
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01



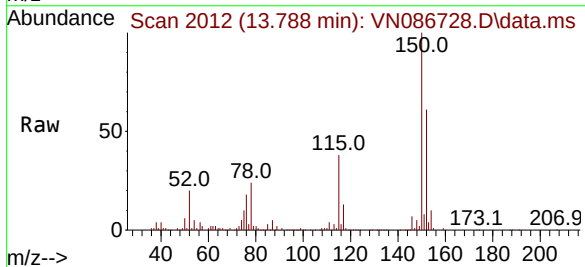
Tgt Ion:173 Resp: 30220
Ion Ratio Lower Upper
173 100
175 46.6 23.4 70.2
254 0.0 0.0 0.0

Manual Integrations
APPROVED

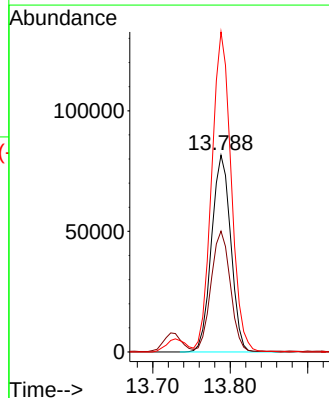
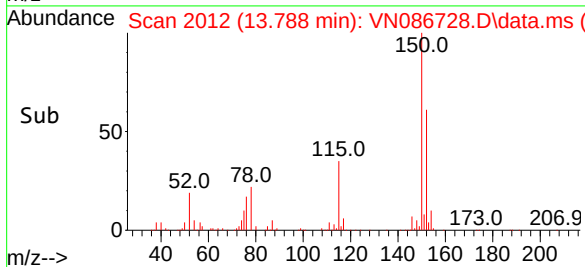
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

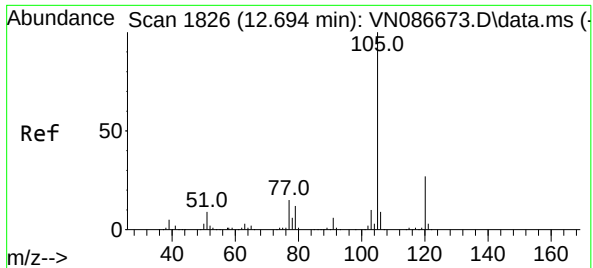


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53



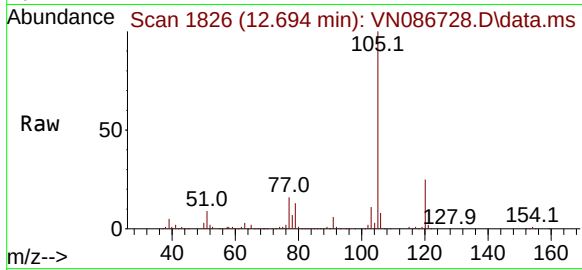
Tgt Ion:152 Resp: 140932
Ion Ratio Lower Upper
152 100
115 60.8 30.0 90.1
150 164.5 0.0 347.8





#73
Isopropylbenzene
Concen: 18.882 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

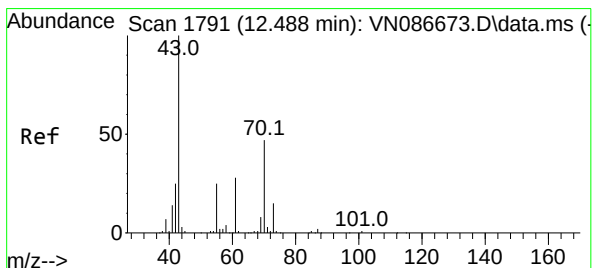
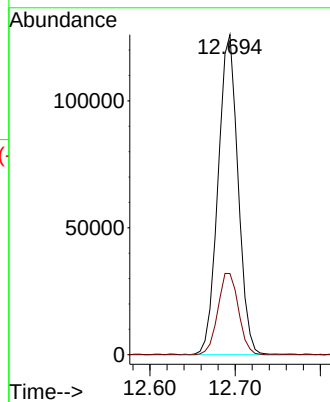
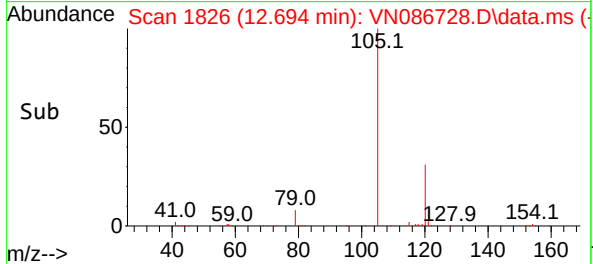
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01



Tgt Ion:105 Resp: 205528
Ion Ratio Lower Upper
105 100
120 26.2 13.4 40.1

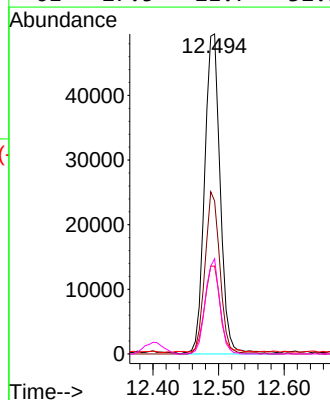
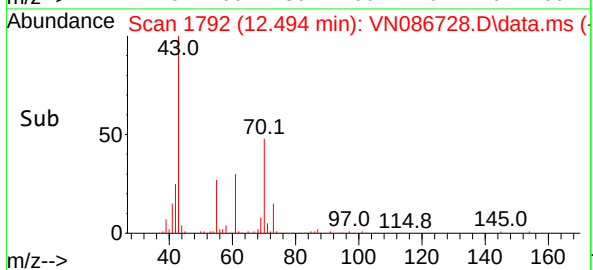
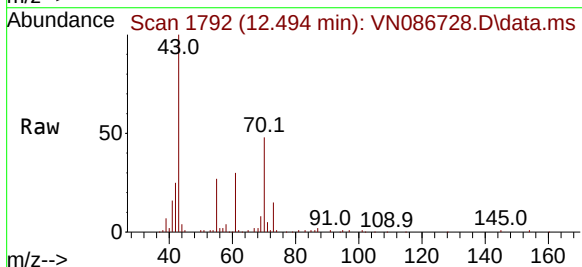
Manual Integrations
APPROVED

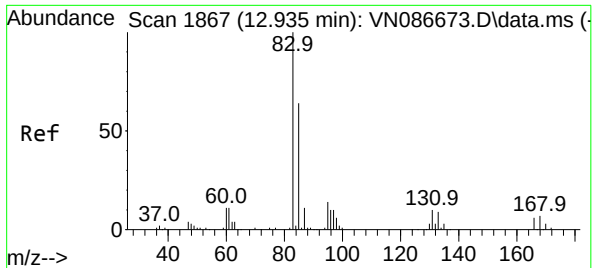
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#74
N-ethyl acetate
Concen: 18.176 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

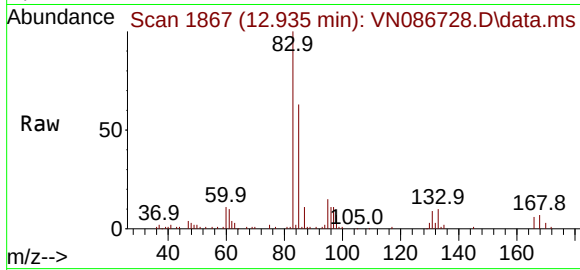
Tgt Ion: 43 Resp: 82660
Ion Ratio Lower Upper
43 100
70 48.2 37.9 56.9
55 26.5 20.5 30.7
61 27.5 21.7 32.5





#75
1,1,2,2-Tetrachloroethane
Concen: 17.875 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

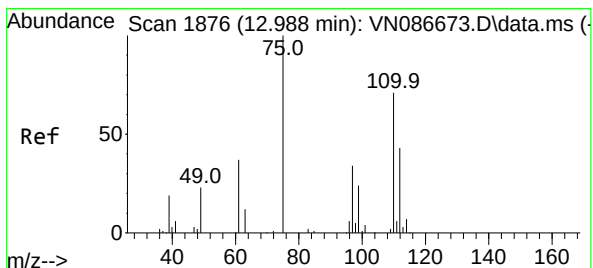
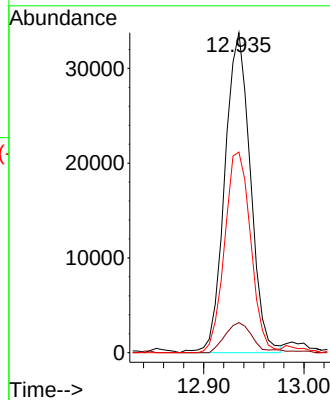
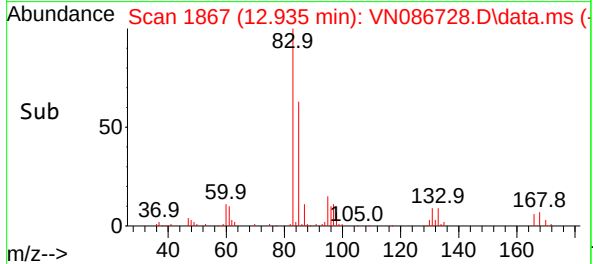
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01



Tgt Ion: 83 Resp: 5977
Ion Ratio Lower Upper
83 100
131 10.5 5.0 15.0
85 63.9 32.4 97.2

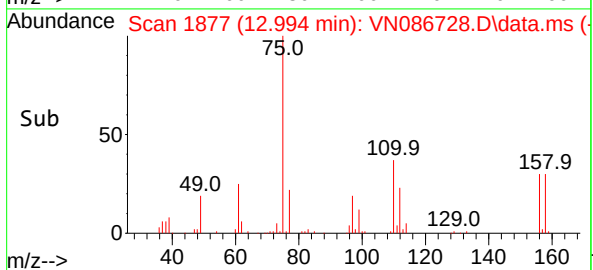
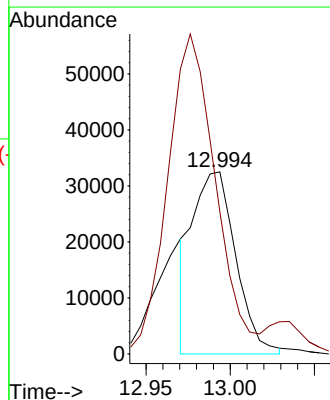
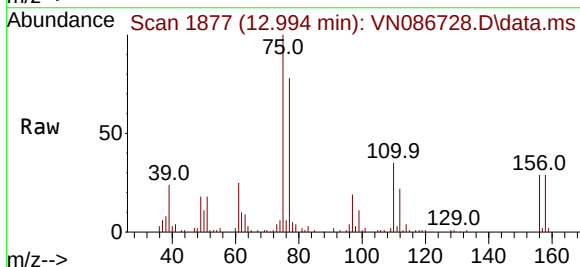
Manual Integrations
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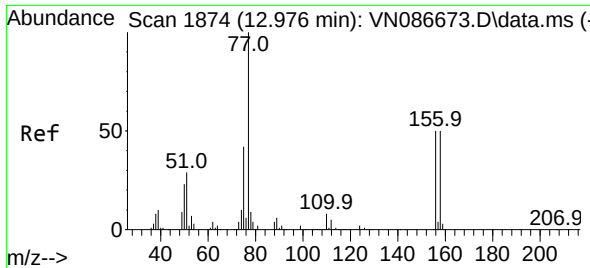
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#76
1,2,3-Trichloropropane
Concen: 18.185 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

Tgt Ion: 75 Resp: 57961
Ion Ratio Lower Upper
75 100
77 195.6 96.0 288.1





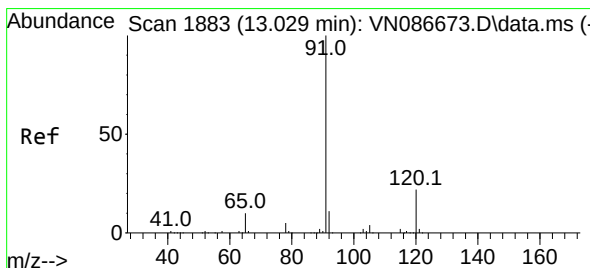
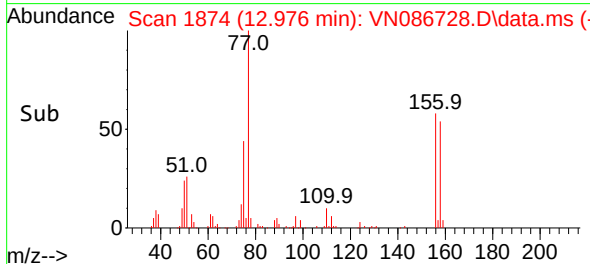
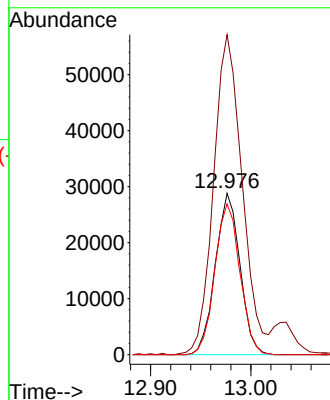
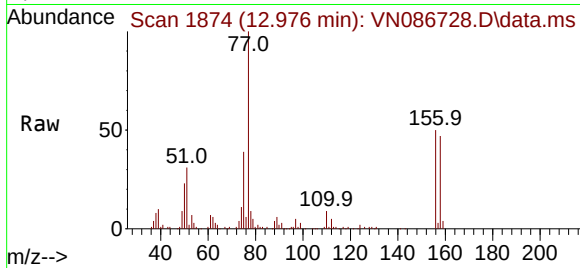
#77
Bromobenzene
Concen: 17.951 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01

Tgt Ion:156 Resp: 49150
Ion Ratio Lower Upper
156 100
77 230.7 113.1 339.2
158 95.2 48.6 145.9

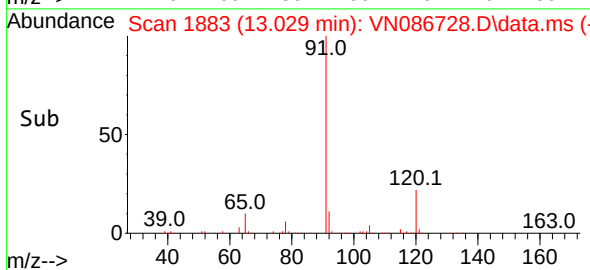
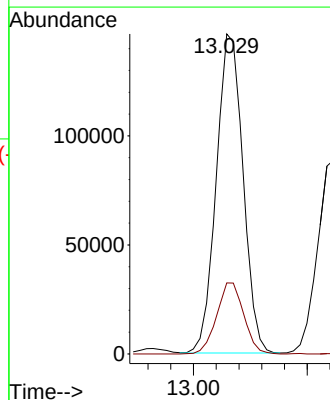
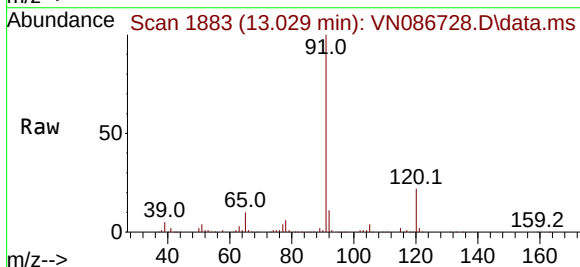
Manual Integrations
APPROVED

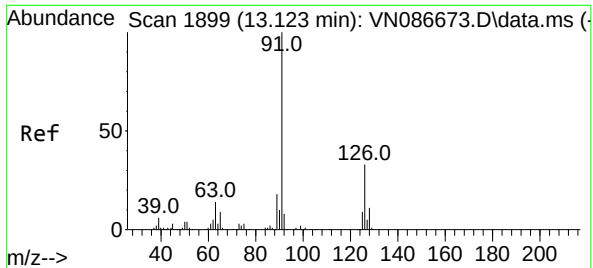
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#78
n-propylbenzene
Concen: 19.170 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

Tgt Ion: 91 Resp: 239458
Ion Ratio Lower Upper
91 100
120 22.5 11.4 34.1





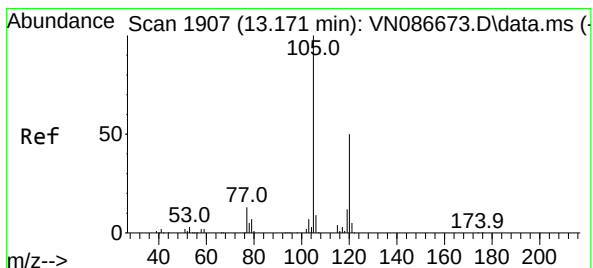
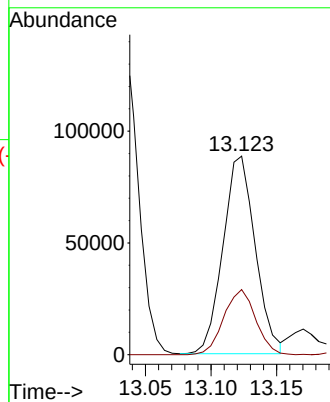
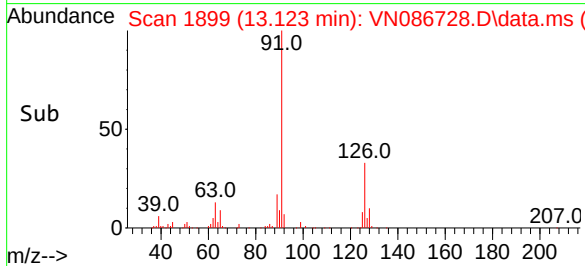
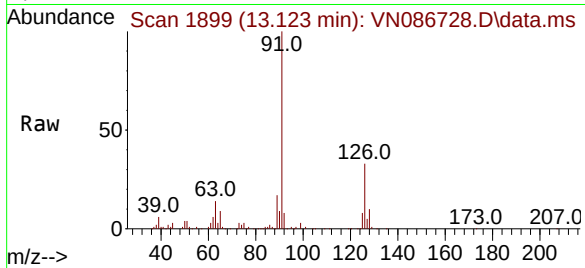
#79
2-Chlorotoluene
Concen: 18.628 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01

Tgt Ion: 91 Resp: 151300
Ion Ratio Lower Upper
91 100
126 32.6 16.6 49.7

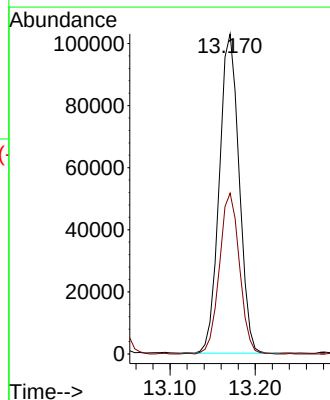
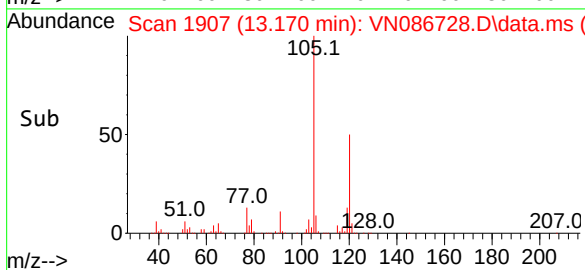
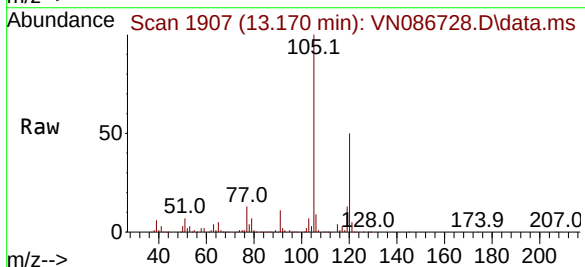
Manual Integrations
APPROVED

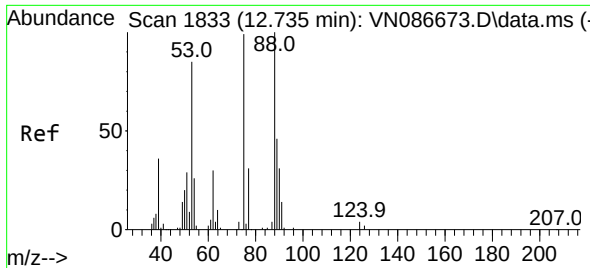
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#80
1,3,5-Trimethylbenzene
Concen: 19.015 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

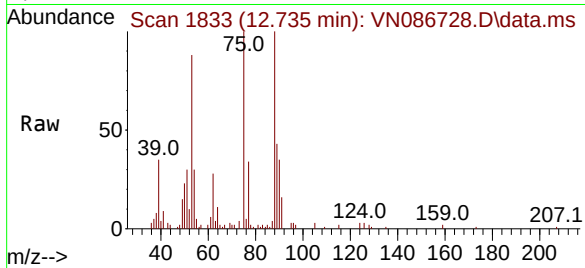
Tgt Ion:105 Resp: 165823
Ion Ratio Lower Upper
105 100
120 51.1 24.9 74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 17.620 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

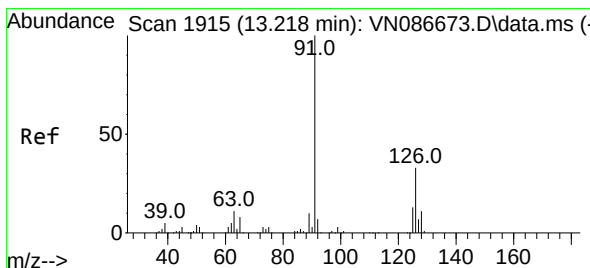
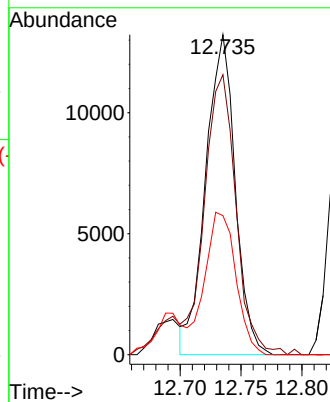
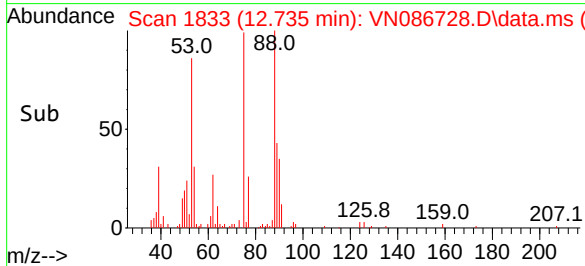
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01



Tgt Ion: 75 Resp: 22254
Ion Ratio Lower Upper
75 100
53 104.2 70.4 105.6
89 46.7 32.4 48.6

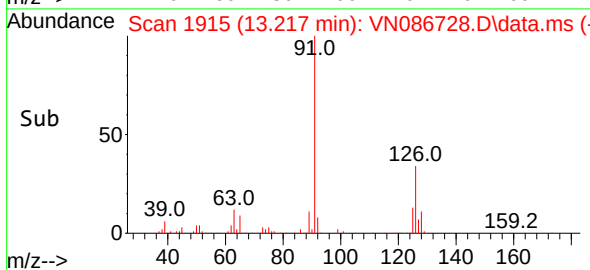
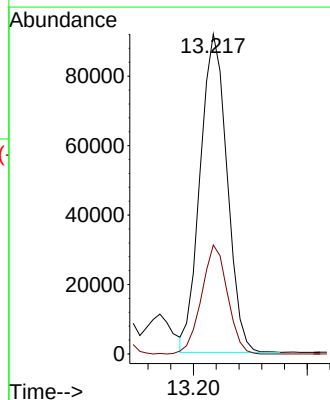
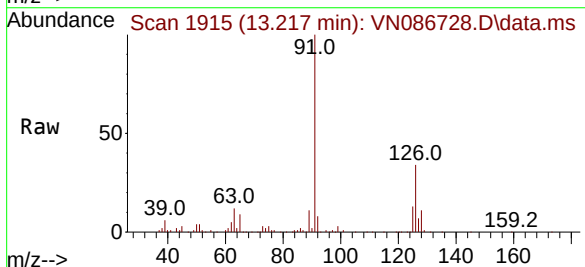
Manual Integrations
APPROVED

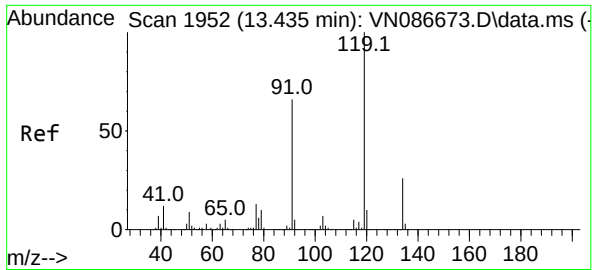
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#82
4-Chlorotoluene
Concen: 18.741 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

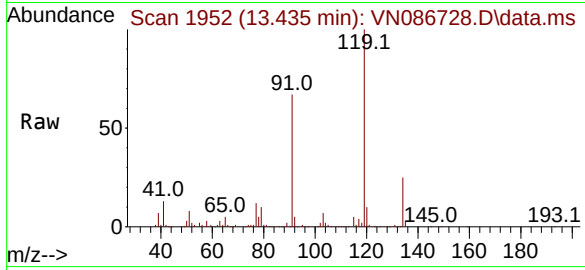
Tgt Ion: 91 Resp: 150800
Ion Ratio Lower Upper
91 100
126 33.0 17.0 50.9





#83
tert-Butylbenzene
Concen: 18.764 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

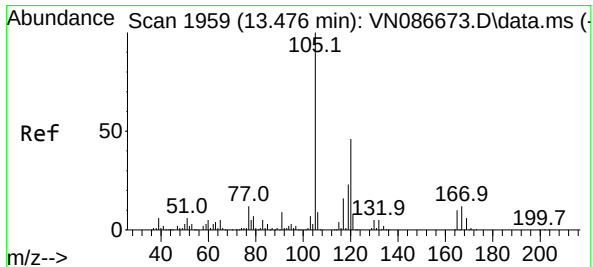
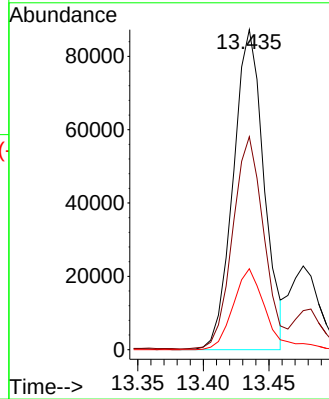
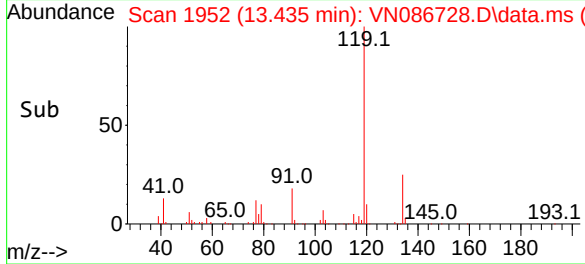
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01



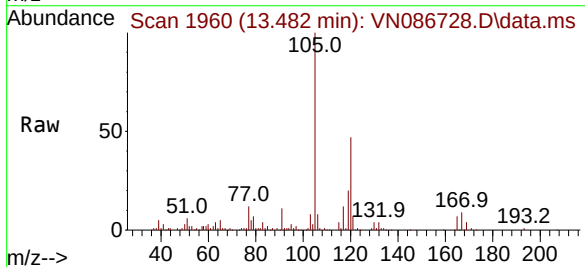
Tgt Ion:119 Resp: 142699
Ion Ratio Lower Upper
119 100
91 67.6 32.9 98.7
134 27.0 13.4 40.1

Manual Integrations
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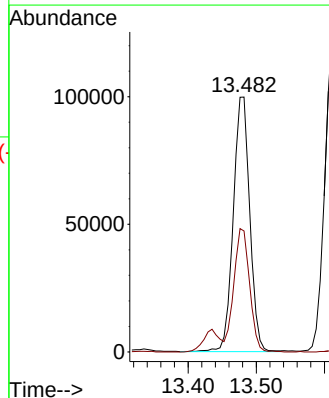
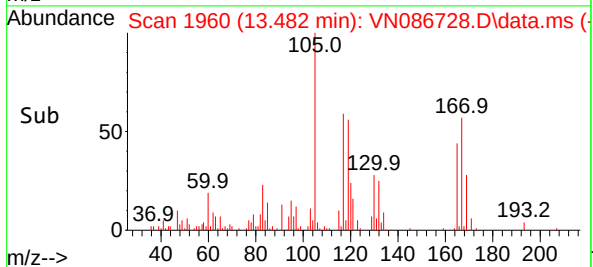
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

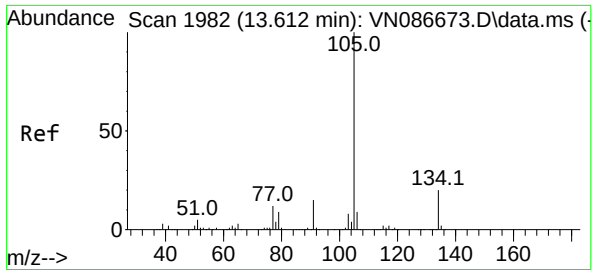


#84
1,2,4-Trimethylbenzene
Concen: 19.346 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53



Tgt Ion:105 Resp: 168004
Ion Ratio Lower Upper
105 100
120 46.2 23.2 69.6





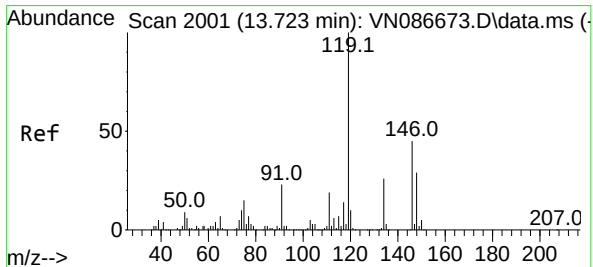
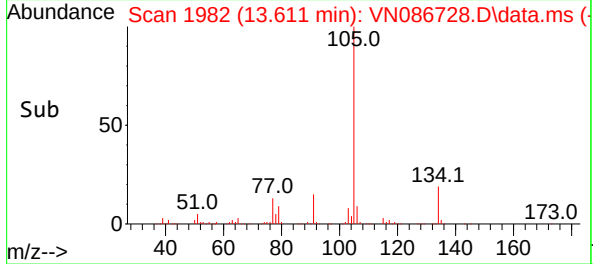
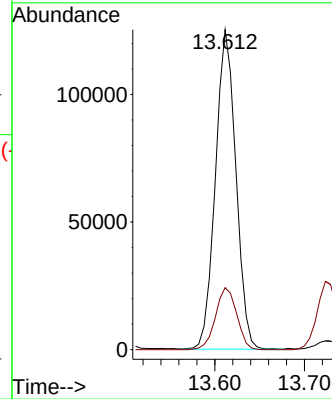
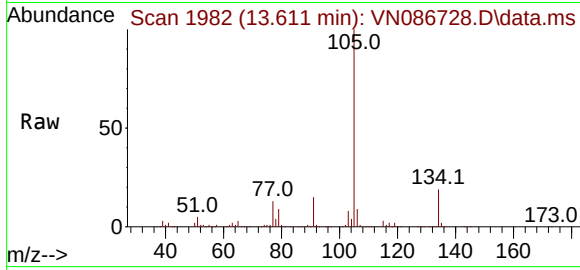
#85
 sec-Butylbenzene
 Concen: 19.417 ug/l
 RT: 13.611 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN086728.D
 Acq: 21 May 2025 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521WBSD01

Tgt Ion:105 Resp: 19800
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.1 30.1

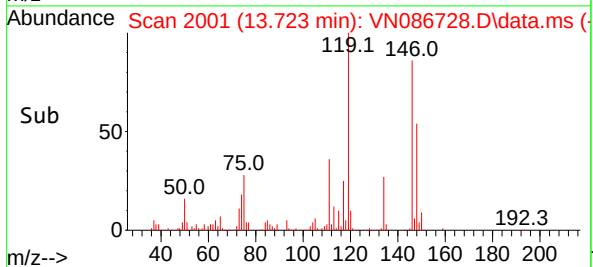
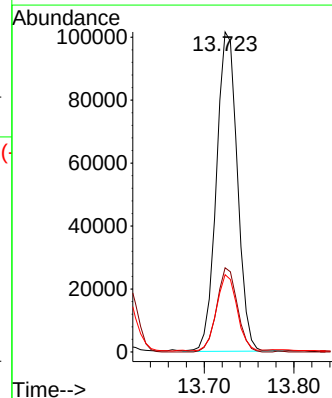
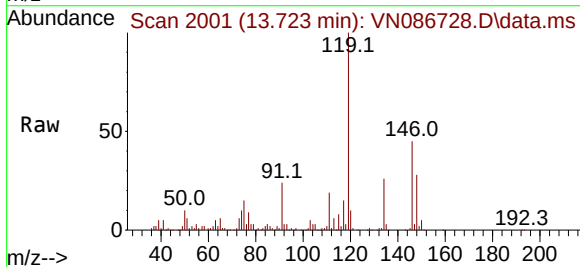
Manual Integrations
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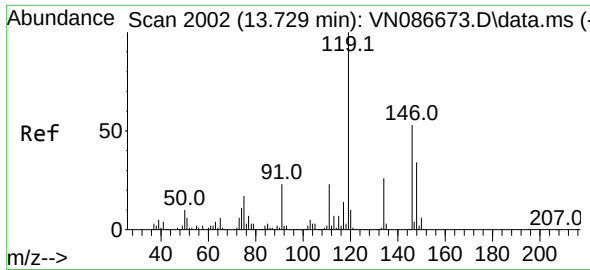
Reviewed By :John Carlone 05/22/2025
 Supervised By :Mahesh Dadoda 05/22/2025



#86
 p-Isopropyltoluene
 Concen: 19.661 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. -0.000 min
 Lab File: VN086728.D
 Acq: 21 May 2025 13:53

Tgt Ion:119 Resp: 164337
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.1 39.1
 91 23.5 11.5 34.5





#87

1,3-Dichlorobenzene

Concen: 19.126 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN086728.D

Acq: 21 May 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBSD01

Tgt Ion:146 Resp: 9068

Ion Ratio Lower Upper

146 100

111 43.0 20.9 62.7

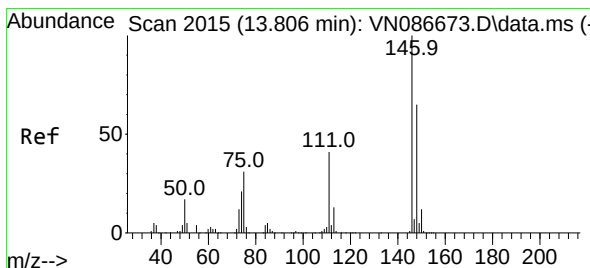
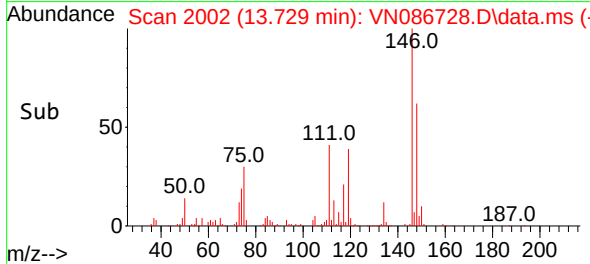
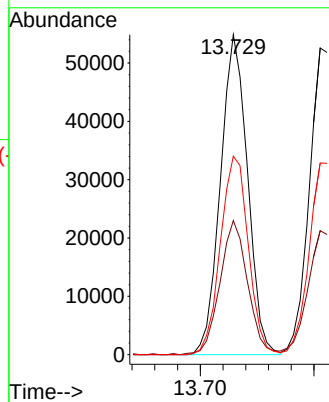
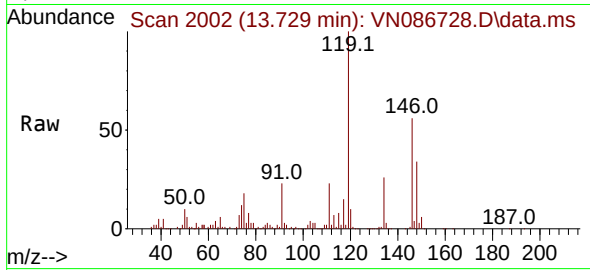
148 64.0 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/22/2025

Supervised By :Mahesh Dadoda 05/22/2025



#88

1,4-Dichlorobenzene

Concen: 19.406 ug/l

RT: 13.806 min Scan# 2015

Delta R.T. -0.000 min

Lab File: VN086728.D

Acq: 21 May 2025 13:53

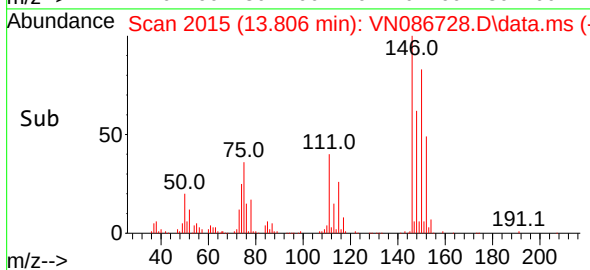
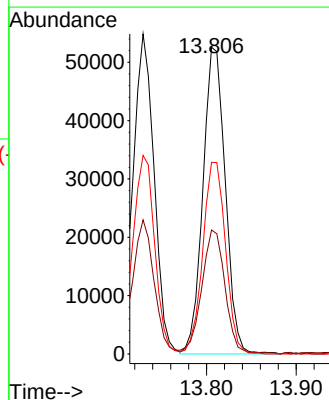
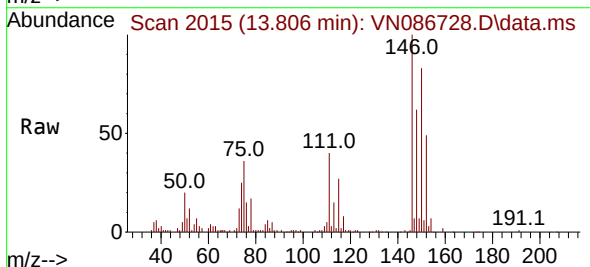
Tgt Ion:146 Resp: 91161

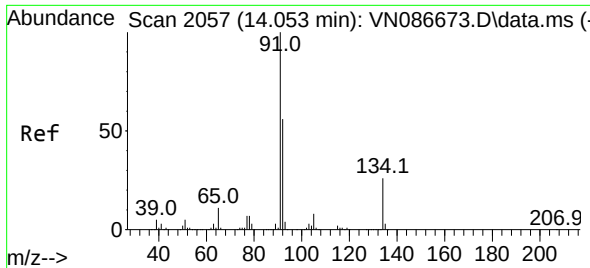
Ion Ratio Lower Upper

146 100

111 42.2 20.6 61.8

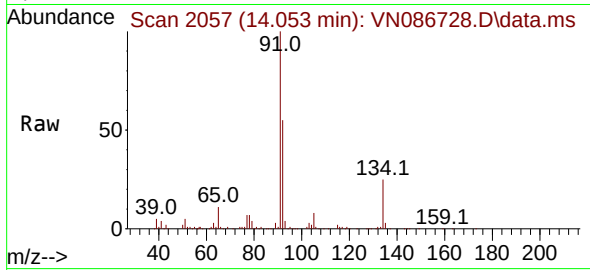
148 63.6 32.0 96.0





#89
n-Butylbenzene
Concen: 20.093 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

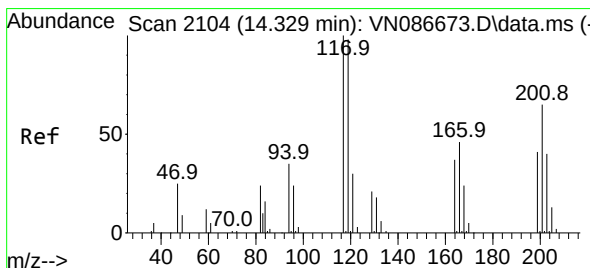
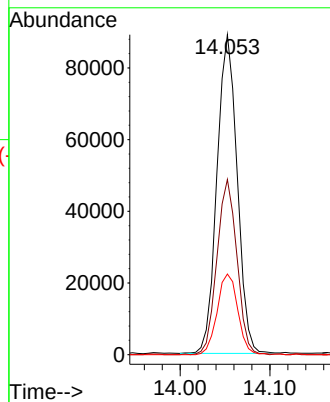
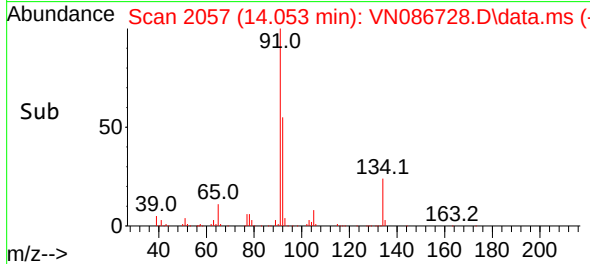
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01



Tgt Ion: 91 Resp: 13923
Ion Ratio Lower Upper
91 100
92 54.2 27.4 82.0
134 25.9 12.8 38.4

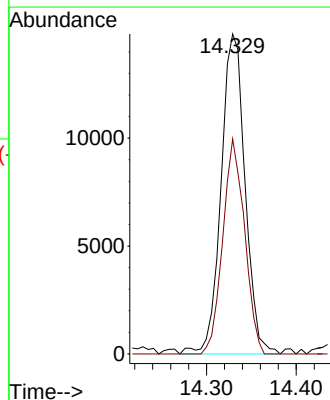
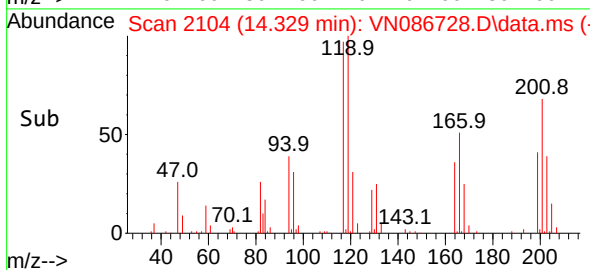
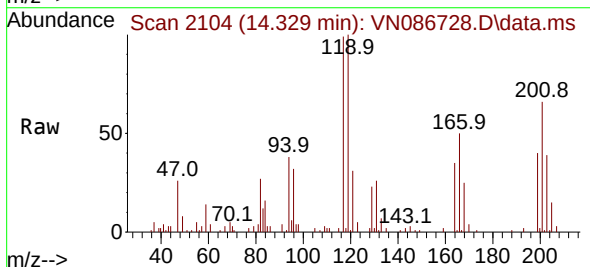
Manual Integrations
APPROVED

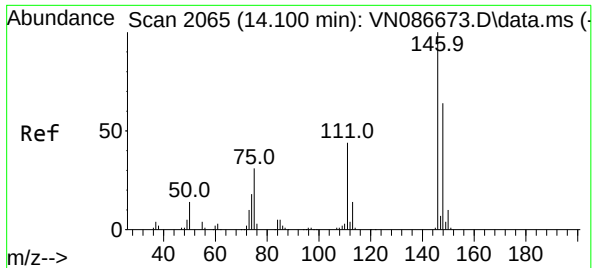
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#90
Hexachloroethane
Concen: 19.837 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

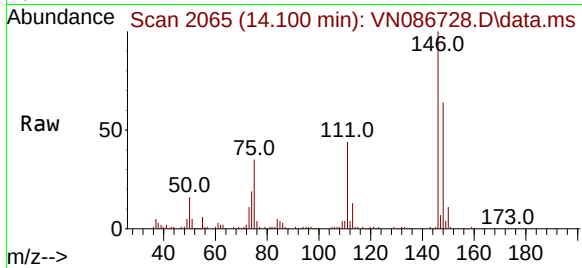
Tgt Ion:117 Resp: 27512
Ion Ratio Lower Upper
117 100
201 61.0 32.0 96.0





#91
1,2-Dichlorobenzene
Concen: 19.267 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

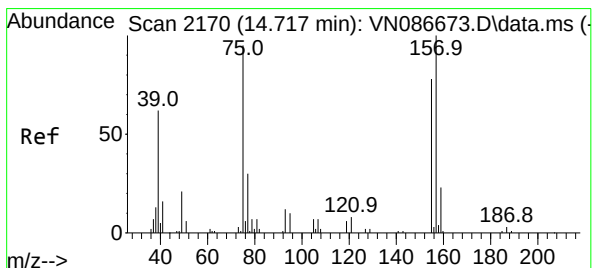
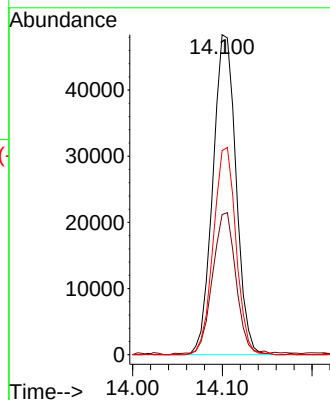
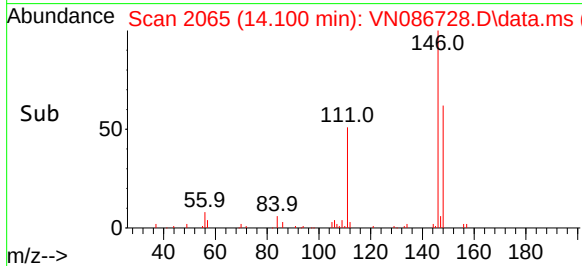
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01



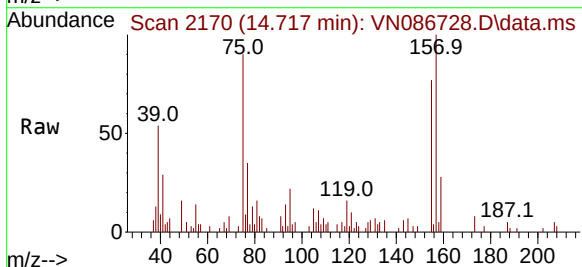
Tgt Ion:146 Resp: 86890
Ion Ratio Lower Upper
146 100
111 45.8 21.6 65.0
148 63.2 31.7 95.1

Manual Integrations
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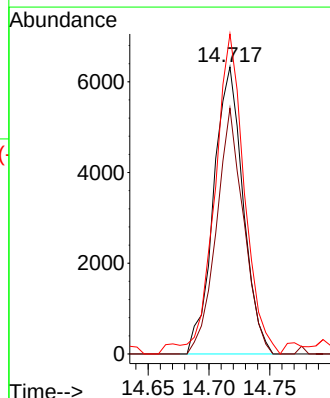
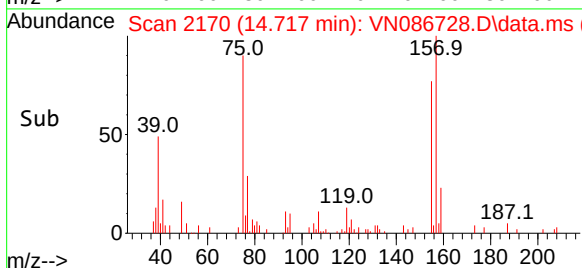
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

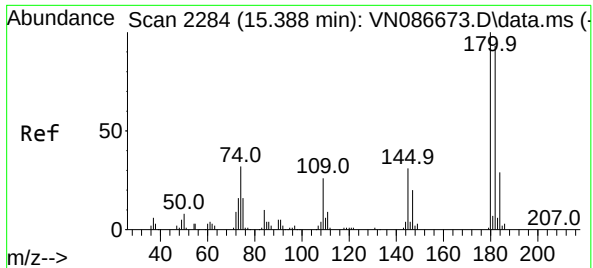


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.250 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53



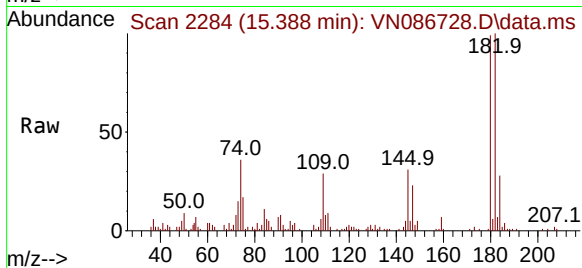
Tgt Ion: 75 Resp: 10664
Ion Ratio Lower Upper
75 100
155 79.4 40.5 121.5
157 112.6 53.6 160.8





#93
1,2,4-Trichlorobenzene
Concen: 19.433 ug/l
RT: 15.388 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

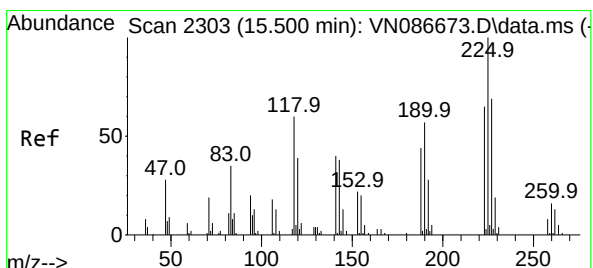
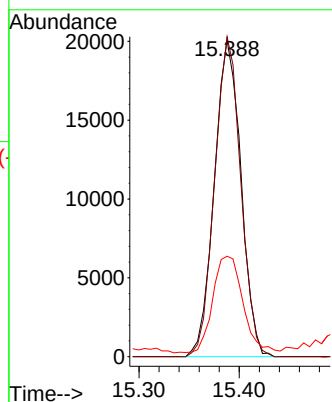
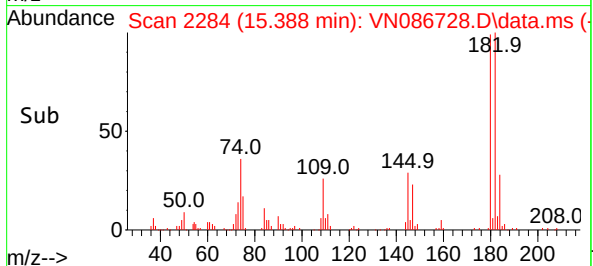
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01



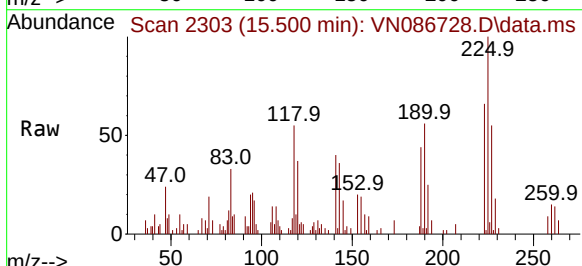
Tgt Ion:180 Resp: 36992
Ion Ratio Lower Upper
180 100
182 98.9 47.1 141.3
145 34.0 15.6 46.8

Manual Integrations
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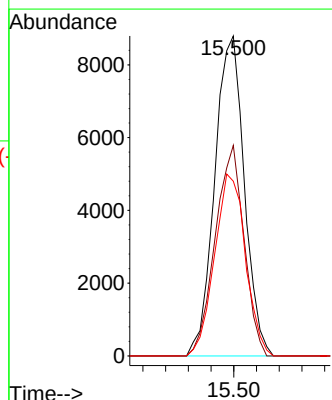
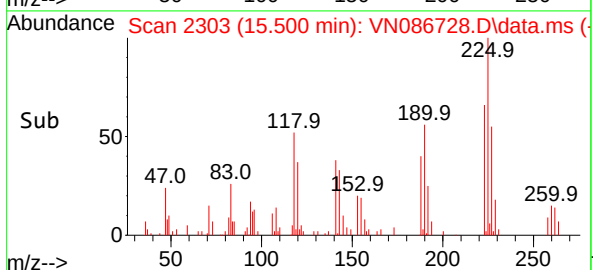
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

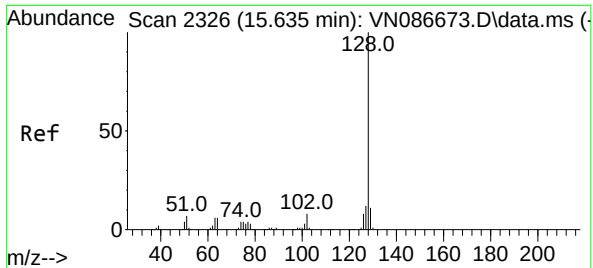


#94
Hexachlorobutadiene
Concen: 20.132 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53



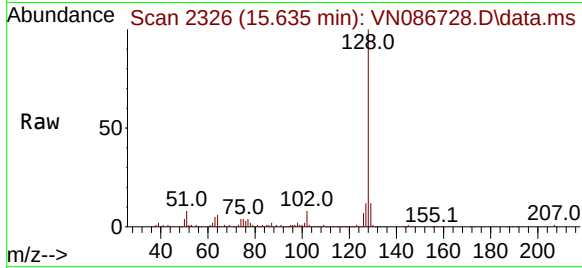
Tgt Ion:225 Resp: 15900
Ion Ratio Lower Upper
225 100
223 63.9 32.9 98.6
227 59.3 32.4 97.2





#95
Naphthalene
Concen: 19.928 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

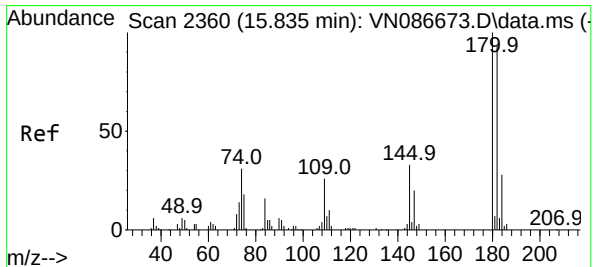
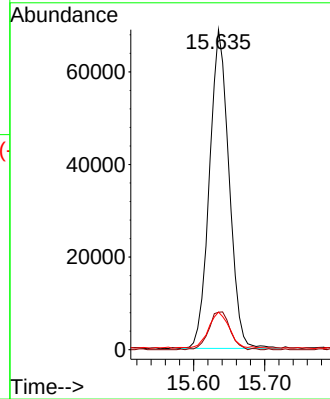
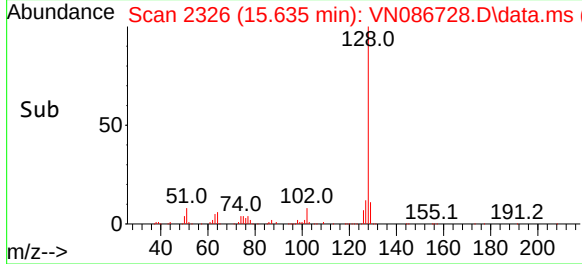
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBSD01



Tgt Ion:128 Resp: 13171
Ion Ratio Lower Upper
128 100
127 13.1 10.1 15.1
129 12.3 8.6 13.0

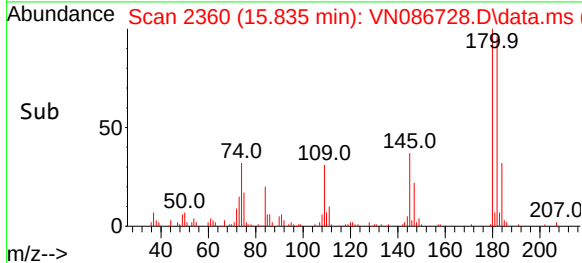
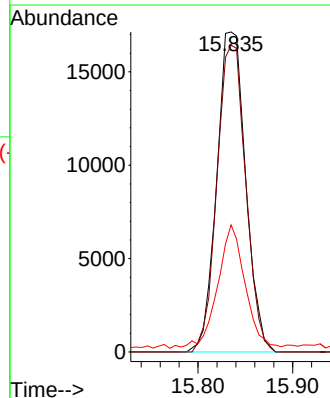
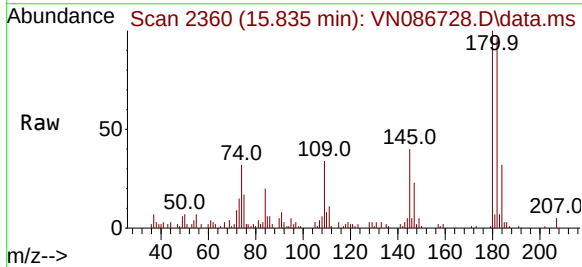
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.447 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086728.D
Acq: 21 May 2025 13:53

Tgt Ion:180 Resp: 36252
Ion Ratio Lower Upper
180 100
182 95.5 47.0 141.2
145 36.8 16.7 50.1



Manual Integration Report

Sequence:	vn051625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN086661.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:32:47 AM	MMDadoda	5/19/2025 2:39:59 PM	Peak Integrated by Software
VSTDCCC020	VN086667.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:01 AM	MMDadoda	5/19/2025 2:40:37 PM	Peak Integrated by Software
VSTDICC001	VN086669.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:07 AM	MMDadoda	5/19/2025 2:40:35 PM	Peak Integrated by Software
VSTDICC001	VN086669.D	1,4-Dichlorobenzene	JOHN	5/19/2025 9:33:07 AM	MMDadoda	5/19/2025 2:40:35 PM	Peak Integrated by Software
VSTDICC001	VN086669.D	Isopropyl Acetate	JOHN	5/19/2025 9:33:07 AM	MMDadoda	5/19/2025 2:40:35 PM	Peak Integrated by Software
VSTDICC005	VN086670.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:13 AM	MMDadoda	5/19/2025 2:40:36 PM	Peak Integrated by Software
VSTDICC005	VN086670.D	Ethyl Acetate	JOHN	5/19/2025 9:33:13 AM	MMDadoda	5/19/2025 2:40:36 PM	Peak Integrated by Software
VSTDICC005	VN086670.D	Vinyl Acetate	JOHN	5/19/2025 9:33:13 AM	MMDadoda	5/19/2025 2:40:36 PM	Peak Integrated by Software
VSTDICC010	VN086671.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:17 AM	MMDadoda	5/19/2025 2:40:45 PM	Peak Integrated by Software
VSTDICC010	VN086671.D	Vinyl Acetate	JOHN	5/19/2025 9:33:17 AM	MMDadoda	5/19/2025 2:40:45 PM	Peak Integrated by Software
VSTDICC020	VN086672.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:24 AM	MMDadoda	5/19/2025 2:40:35 PM	Peak Integrated by Software
VSTDICCC050	VN086673.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:44 AM	MMDadoda	5/19/2025 2:40:38 PM	Peak Integrated by Software
VSTDICC100	VN086674.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:48 AM	MMDadoda	5/19/2025 2:40:42 PM	Peak Integrated by Software



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Manual Integration Report

Sequence:	vn051625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VN086676.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:53 AM	MMDadoda	5/19/2025 2:40:47 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VN052125

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086722.D	1,2,3-Trichloropropane	JOHN	5/22/2025 7:50:47 AM	MMDadoda	5/22/2025 8:23:56 AM	Peak Integrated by Software
VN0521WBS01	VN086726.D	1,2,3-Trichloropropane	JOHN	5/22/2025 7:50:56 AM	MMDadoda	5/22/2025 8:23:59 AM	Peak Integrated by Software
VN0521WBSD01	VN086728.D	1,2,3-Trichloropropane	JOHN	5/22/2025 7:51:00 AM	MMDadoda	5/22/2025 8:24:01 AM	Peak Integrated by Software
VSTDCCC050	VN086748.D	1,2,3-Trichloropropane	JOHN	5/22/2025 7:51:25 AM	MMDadoda	5/22/2025 8:24:09 AM	Peak Integrated by Software



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Manual Integration Report

Sequence:

VN052225

Instrument

MSVOA_n

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN051625

Review By	John Carlone	Review On	5/19/2025 9:34:08 AM
Supervise By	Maresh Dadoda	Supervise On	5/19/2025 2:40:58 PM
SubDirectory	VN051625	HP Acquire Method	HP Processing Method 624N042325W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133946,VP133952		
CCC Internal Standard/PEM	VP133947,VP133948		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133981		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086660.D	16 May 2025 09:17	JC\MD	Ok
2	VSTDCCC020	VN086661.D	16 May 2025 11:37	JC\MD	Ok,M
3	VN0516WBS01	VN086662.D	16 May 2025 12:13	JC\MD	Ok,M
4	VN0516WBSD01	VN086663.D	16 May 2025 12:46	JC\MD	Ok,M
5	VN0516WBL01	VN086664.D	16 May 2025 13:20	JC\MD	Ok
6	Q2006-01	VN086665.D	16 May 2025 13:54	JC\MD	Ok
7	IBLK	VN086666.D	16 May 2025 14:46	JC\MD	Ok
8	VSTDCCC020	VN086667.D	16 May 2025 15:09	JC\MD	Ok,M
9	BFB	VN086668.D	16 May 2025 15:33	JC\MD	Ok
10	VSTDICC001	VN086669.D	16 May 2025 16:31	JC\MD	Ok,M
11	VSTDICC005	VN086670.D	16 May 2025 16:55	JC\MD	Ok,M
12	VSTDICC010	VN086671.D	16 May 2025 17:19	JC\MD	Ok,M
13	VSTDICC020	VN086672.D	16 May 2025 17:43	JC\MD	Ok,M
14	VSTDICCC050	VN086673.D	16 May 2025 18:08	JC\MD	Ok,M
15	VSTDICC100	VN086674.D	16 May 2025 18:32	JC\MD	Ok,M
16	IBLK	VN086675.D	16 May 2025 18:56	JC\MD	Ok
17	VSTDICV050	VN086676.D	16 May 2025 19:20	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN052125

Review By	John Carlone	Review On	5/22/2025 8:01:52 AM
Supervise By	Maresh Dadoda	Supervise On	5/22/2025 8:24:13 AM
SubDirectory	VN052125	HP Acquire Method	HP Processing Method 82N051625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133982		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133983,VP133984		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086721.D	21 May 2025 10:37	JC\MD	Ok
2	VSTDCCC050	VN086722.D	21 May 2025 11:10	JC\MD	Ok,M
3	VN0521MBL01	VN086723.D	21 May 2025 11:44	JC\MD	Ok
4	VN0521WBL01	VN086724.D	21 May 2025 12:08	JC\MD	Ok
5	VN0521MBS01	VN086725.D	21 May 2025 12:32	JC\MD	Ok,M
6	VN0521WBS01	VN086726.D	21 May 2025 13:05	JC\MD	Ok,M
7	Q2068-01	VN086727.D	21 May 2025 13:29	JC\MD	Not Ok
8	VN0521WBSD01	VN086728.D	21 May 2025 13:53	JC\MD	Ok,M
9	Q2068-01	VN086729.D	21 May 2025 14:17	JC\MD	Ok
10	PB168093TB	VN086730.D	21 May 2025 14:41	JC\MD	Ok
11	Q2078-05	VN086731.D	21 May 2025 15:05	JC\MD	Dilution
12	Q2078-09	VN086732.D	21 May 2025 15:29	JC\MD	ReRun
13	Q2078-13	VN086733.D	21 May 2025 15:53	JC\MD	Ok
14	Q2078-17	VN086734.D	21 May 2025 16:18	JC\MD	Ok
15	Q2079-01	VN086735.D	21 May 2025 16:42	JC\MD	ReRun
16	Q2079-05	VN086736.D	21 May 2025 17:06	JC\MD	ReRun
17	Q2079-09	VN086737.D	21 May 2025 17:30	JC\MD	Ok
18	Q2084-05	VN086738.D	21 May 2025 17:54	JC\MD	Ok
19	Q2092-02	VN086739.D	21 May 2025 18:18	JC\MD	Ok
20	Q2093-02	VN086740.D	21 May 2025 18:42	JC\MD	Ok
21	Q2095-04	VN086741.D	21 May 2025 19:06	JC\MD	Ok

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN052125

Review By	John Carlone	Review On	5/22/2025 8:01:52 AM
Supervise By	Maresh Dadoda	Supervise On	5/22/2025 8:24:13 AM
SubDirectory	VN052125	HP Acquire Method	HP Processing Method 82N051625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133982		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133983,VP133984		

22	Q2095-08	VN086742.D	21 May 2025 19:31	JC\MD	Ok,M
23	Q2078-01	VN086743.D	21 May 2025 19:54	JC\MD	ReRun
24	Q2032-01ME	VN086744.D	21 May 2025 20:18	JC\MD	Ok
25	Q2075-06	VN086745.D	21 May 2025 20:42	JC\MD	Ok
26	Q2071-19DL	VN086746.D	21 May 2025 21:06	JC\MD	Ok
27	VN0521MBSD01	VN086747.D	21 May 2025 21:30	JC\MD	Not Ok
28	VSTDCCC050	VN086748.D	21 May 2025 21:54	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN052225

Review By	Review On
Supervise By	Supervise On
SubDirectory VN052225	HP Acquire Method HP Processing Method 82N051625W.M
STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133988
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133989,VP133990

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086749.D	22 May 2025 07:48	JC\MD	Ok
2	VSTDCCC050	VN086750.D	22 May 2025 08:21	JC\MD	Ok,NR
3	VN0522MBL01	VN086751.D	22 May 2025 08:55	JC\MD	Ok
4	VN0522WBL01	VN086752.D	22 May 2025 09:19	JC\MD	Ok
5	VN0522WBS01	VN086753.D	22 May 2025 09:43	JC\MD	Ok,NR
6	VN0522MBS01	VN086754.D	22 May 2025 10:18	JC\MD	Ok,NR
7	Q2078-05DL	VN086755.D	22 May 2025 10:42	JC\MD	Ok
8	Q2078-01RE	VN086756.D	22 May 2025 11:06	JC\MD	Confirms
9	Q2078-09RE	VN086757.D	22 May 2025 11:31	JC\MD	Confirms
10	Q2079-01RE	VN086758.D	22 May 2025 11:55	JC\MD	Confirms
11	Q2079-05RE	VN086759.D	22 May 2025 12:19	JC\MD	Confirms
12	VN0522WBSD01	VN086760.D	22 May 2025 12:43	JC\MD	Ok,NR
13	VN0522MBSD01	VN086761.D	22 May 2025 13:07	JC\MD	Ok,NR
14	Q2071-19	VN086762.D	22 May 2025 13:31	JC\MD	Dilution
15	IBLK	VN086763.D	22 May 2025 13:55	JC\MD	Ok
16	VSTDCCC050	VN086764.D	22 May 2025 14:43	JC\MD	Ok,NR

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN051625

Review By	John Carlone	Review On	5/19/2025 9:34:08 AM
Supervise By	Maresh Dadoda	Supervise On	5/19/2025 2:40:58 PM
SubDirectory	VN051625	HP Acquire Method	HP Processing Method 624N042325W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133946,VP133952
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133947,VP133948 VP133981

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086660.D	16 May 2025 09:17		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN086661.D	16 May 2025 11:37	pH#Lot#V12668	JC\MD	Ok,M
3	VN0516WBS01	VN0516WBS01	VN086662.D	16 May 2025 12:13		JC\MD	Ok,M
4	VN0516WBSD01	VN0516WBSD01	VN086663.D	16 May 2025 12:46		JC\MD	Ok,M
5	VN0516WBL01	VN0516WBL01	VN086664.D	16 May 2025 13:20		JC\MD	Ok
6	Q2006-01	EFF-WW	VN086665.D	16 May 2025 13:54	vial A pH<2	JC\MD	Ok
7	IBLK	IBLK	VN086666.D	16 May 2025 14:46		JC\MD	Ok
8	VSTDCCC020	VSTDCCC020EC	VN086667.D	16 May 2025 15:09		JC\MD	Ok,M
9	BFB	BFB	VN086668.D	16 May 2025 15:33		JC\MD	Ok
10	VSTDICC001	VSTDICC001	VN086669.D	16 May 2025 16:31		JC\MD	Ok,M
11	VSTDICC005	VSTDICC005	VN086670.D	16 May 2025 16:55		JC\MD	Ok,M
12	VSTDICC010	VSTDICC010	VN086671.D	16 May 2025 17:19		JC\MD	Ok,M
13	VSTDICC020	VSTDICC020	VN086672.D	16 May 2025 17:43		JC\MD	Ok,M
14	VSTDICCC050	VSTDICCC050	VN086673.D	16 May 2025 18:08		JC\MD	Ok,M
15	VSTDICC100	VSTDICC100	VN086674.D	16 May 2025 18:32		JC\MD	Ok,M
16	IBLK	IBLK	VN086675.D	16 May 2025 18:56		JC\MD	Ok
17	VSTDICV050	ICVVN051625	VN086676.D	16 May 2025 19:20		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN052125

Review By	John Carlone	Review On	5/22/2025 8:01:52 AM
Supervise By	Maresh Dadoda	Supervise On	5/22/2025 8:24:13 AM
SubDirectory	VN052125	HP Acquire Method	HP Processing Method 82N051625W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133982
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133983,VP133984

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086721.D	21 May 2025 10:37		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086722.D	21 May 2025 11:10	pH#Lot#V12668	JC\MD	Ok,M
3	VN0521MBL01	VN0521MBL01	VN086723.D	21 May 2025 11:44		JC\MD	Ok
4	VN0521WBL01	VN0521WBL01	VN086724.D	21 May 2025 12:08		JC\MD	Ok
5	VN0521MBS01	VN0521MBS01	VN086725.D	21 May 2025 12:32		JC\MD	Ok,M
6	VN0521WBS01	VN0521WBS01	VN086726.D	21 May 2025 13:05		JC\MD	Ok,M
7	Q2068-01	LAW-25-0075	VN086727.D	21 May 2025 13:29	run straight MEOH	JC\MD	Not Ok
8	VN0521WBSD01	VN0521WBSD01	VN086728.D	21 May 2025 13:53		JC\MD	Ok,M
9	Q2068-01	LAW-25-0075	VN086729.D	21 May 2025 14:17		JC\MD	Ok
10	PB168093TB	PB168093TB	VN086730.D	21 May 2025 14:41		JC\MD	Ok
11	Q2078-05	WC-A4-05-G	VN086731.D	21 May 2025 15:05	vial A pH#5.0 Surrogate fail;Need 20X	JC\MD	Dilution
12	Q2078-09	WC-A1-06A-G	VN086732.D	21 May 2025 15:29	vial A pH#5.0 Surrogate Fail	JC\MD	ReRun
13	Q2078-13	WC-A1-07A-G	VN086733.D	21 May 2025 15:53	vial A pH#5.0	JC\MD	Ok
14	Q2078-17	WC-A4-06-G	VN086734.D	21 May 2025 16:18	vial A pH#5.0	JC\MD	Ok
15	Q2079-01	WC-A2-01-G	VN086735.D	21 May 2025 16:42	vial A pH#5.0 Surrogate Fail	JC\MD	ReRun
16	Q2079-05	WC-A2-02-G	VN086736.D	21 May 2025 17:06	vial A pH#5.0 Surrogate Fail	JC\MD	ReRun
17	Q2079-09	WC-A2-03-G	VN086737.D	21 May 2025 17:30	vial A pH#5.0	JC\MD	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN052125

Review By	John Carlone	Review On	5/22/2025 8:01:52 AM
Supervise By	Maresh Dadoda	Supervise On	5/22/2025 8:24:13 AM
SubDirectory	VN052125	HP Acquire Method	HP Processing Method 82N051625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133982		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133983,VP133984		

18	Q2084-05	OR-640-COMP-66	VN086738.D	21 May 2025 17:54	vial A pH#5.0	JC\MD	Ok
19	Q2092-02	VNJ-202	VN086739.D	21 May 2025 18:18	vial A pH#5.0	JC\MD	Ok
20	Q2093-02	SOIL-DRUM	VN086740.D	21 May 2025 18:42	vial A pH#5.0	JC\MD	Ok
21	Q2095-04	WCS-TP1	VN086741.D	21 May 2025 19:06	vial A pH#5.0	JC\MD	Ok
22	Q2095-08	WCS-TP2	VN086742.D	21 May 2025 19:31	vial A pH#5.0 RT Shifted	JC\MD	Ok,M
23	Q2078-01	WC-A4-04-G	VN086743.D	21 May 2025 19:54	vial A pH#5.0 Surrogate Fail	JC\MD	ReRun
24	Q2032-01ME	TP-11ME	VN086744.D	21 May 2025 20:18		JC\MD	Ok
25	Q2075-06	SS-MW1-11.5	VN086745.D	21 May 2025 20:42	Need Soil Run	JC\MD	Ok
26	Q2071-19DL	L2-WC-6-VOC DL	VN086746.D	21 May 2025 21:06		JC\MD	Ok
27	VN0521MBS01	VN0521MBS01	VN086747.D	21 May 2025 21:30	Recovery failed	JC\MD	Not Ok
28	VSTDCCC050	VSTDCCC050EC	VN086748.D	21 May 2025 21:54		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN052225

Review By	Review On
Supervise By	Supervise On
SubDirectory	VN052225
HP Acquire Method	HP Processing Method
	82N051625W.M
STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133988
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133989,VP133990

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086749.D	22 May 2025 07:48		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086750.D	22 May 2025 08:21		JC\MD	Ok,NR
3	VN0522MBL01	VN0522MBL01	VN086751.D	22 May 2025 08:55		JC\MD	Ok
4	VN0522WBL01	VN0522WBL01	VN086752.D	22 May 2025 09:19		JC\MD	Ok
5	VN0522WBS01	VN0522WBS01	VN086753.D	22 May 2025 09:43		JC\MD	Ok,NR
6	VN0522MBS01	VN0522MBS01	VN086754.D	22 May 2025 10:18		JC\MD	Ok,NR
7	Q2078-05DL	WC-A4-05-GDL	VN086755.D	22 May 2025 10:42		JC\MD	Ok
8	Q2078-01RE	WC-A4-04-GRE	VN086756.D	22 May 2025 11:06	Surrogate Fail	JC\MD	Confirms
9	Q2078-09RE	WC-A1-06A-GRE	VN086757.D	22 May 2025 11:31	Surrogate Fail	JC\MD	Confirms
10	Q2079-01RE	WC-A2-01-GRE	VN086758.D	22 May 2025 11:55	Surrogate Fail	JC\MD	Confirms
11	Q2079-05RE	WC-A2-02-GRE	VN086759.D	22 May 2025 12:19	Surrogate Fail	JC\MD	Confirms
12	VN0522WBSD01	VN0522WBSD01	VN086760.D	22 May 2025 12:43		JC\MD	Ok,NR
13	VN0522MBSD01	VN0522MBSD01	VN086761.D	22 May 2025 13:07		JC\MD	Ok,NR
14	Q2071-19	L2-WC-6-VOC	VN086762.D	22 May 2025 13:31	Need 20X	JC\MD	Dilution
15	IBLK	IBLK	VN086763.D	22 May 2025 13:55		JC\MD	Ok
16	VSTDCCC050	VSTDCCC050EC	VN086764.D	22 May 2025 14:43		JC\MD	Ok,NR

M : Manual Integration

SOP ID : M1311-TCLP-15
SDG No : N/A
Weigh By : JP
Balance ID : WC SC-7
pH Meter ID : WC PH METER-1
Extraction By : JP
Filter By : JP
Pipette ID : WC
Tumbler ID : ZHE-1 / ZHE-2
TCLP Filter ID : 50223706

Start Prep Date : 05/20/2025 **Time :** 17:00
End Prep Date : 05/21/2025 **Time :** 09:35
Combination Ratio : 20
ZHE Cleaning Batch : ⁷⁰N/A
Initial Room Temperature: 23 °C
Final Room Temperature: 22 °C
TCLP Technician Signature : *JP*
Supervisor By : *12*

Standarded Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP112795
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
40ml VOA Vials	430992	N/A

Extraction Conformance/Non-Conformance Comments:

ALL ZHE samples are extracted and given as vial A & B. Leck checked after 10 minutes of tumbling. TUMBLER
 ZHE-1 /ZHE-2 checked,30 rpm.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
05/21/25 12:10	<i>JP</i> <i>1700 Room</i>	<i>JP</i> <i>1700 24h</i>
	Preparation Group	Analysis Group

Sample ID	ClientID	ZHE Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB168093TB	LEB093	14	N/A	500	N/A	N/A	N/A	4.93	N/A	ZHE-2
Q2078-01	WC-A4-04-G	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2078-05	WC-A4-05-G	02	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2078-09	WC-A1-06A-G	03	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2078-13	WC-A1-07A-G	04	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2078-17	WC-A4-06-G	05	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2079-01	WC-A2-01-G	06	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2079-05	WC-A2-02-G	07	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2079-09	WC-A2-03-G	08	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2084-05	OR-640-COMP-66	09	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2092-02	VNJ-202	10	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q2093-02	SOIL-DRUMS	11	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q2095-04	WCS-TP1	12	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q2095-08	WCS-TP2	13	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168093TB	LEB093	N/A	N/A	N/A	N/A	N/A	N/A
Q2078-01	WC-A4-04-G	N/A	N/A	N/A	N/A	100	N/A
Q2078-05	WC-A4-05-G	N/A	N/A	N/A	N/A	100	N/A
Q2078-09	WC-A1-06A-G	N/A	N/A	N/A	N/A	100	N/A
Q2078-13	WC-A1-07A-G	N/A	N/A	N/A	N/A	100	N/A
Q2078-17	WC-A4-06-G	N/A	N/A	N/A	N/A	100	N/A
Q2079-01	WC-A2-01-G	N/A	N/A	N/A	N/A	100	N/A
Q2079-05	WC-A2-02-G	N/A	N/A	N/A	N/A	100	N/A
Q2079-09	WC-A2-03-G	N/A	N/A	N/A	N/A	100	N/A
Q2084-05	OR-640-COMP-66	N/A	N/A	N/A	N/A	100	N/A
Q2092-02	VNJ-202	N/A	N/A	N/A	N/A	100	N/A
Q2093-02	SOIL-DRUMS	N/A	N/A	N/A	N/A	100	N/A
Q2095-04	WCS-TP1	N/A	N/A	N/A	N/A	100	N/A
Q2095-08	WCS-TP2	N/A	N/A	N/A	N/A	100	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp zhe q2078

WorkList ID : 189638

Department : TCLP Extraction

Date : 05-20-2025 12:30:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2078-01	WC-A4-04-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	L41	05/13/2025	1311 ZHE
Q2078-05	WC-A4-05-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	L41	05/13/2025	1311 ZHE
Q2078-09	WC-A1-06A-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	L41	05/13/2025	1311 ZHE
Q2078-13	WC-A1-07A-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	L41	05/13/2025	1311 ZHE
Q2078-17	WC-A4-06-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	L41	05/13/2025	1311 ZHE
Q2079-01	WC-A2-01-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	L31	05/13/2025	1311 ZHE
Q2079-05	WC-A2-02-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	L31	05/13/2025	1311 ZHE
Q2079-09	WC-A2-03-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	L31	05/13/2025	1311 ZHE
Q2084-05	OR-640-COMP-66	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/19/2025	1311 ZHE
Q2092-02	VNJ-202	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/20/2025	1311 ZHE
Q2093-02	SOIL-DRUMS	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/20/2025	1311 ZHE
Q2095-04	WCS-TP1	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/20/2025	1311 ZHE
Q2095-08	WCS-TP2	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/20/2025	1311 ZHE

Date/Time 05/20/25 16:25

Raw Sample Received by: SP LWCY

Raw Sample Relinquished by: OP SN

Date/Time 05/20/25 18:30

Raw Sample Received by: CA SN

Raw Sample Relinquished by: SP LWCY



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number:

Q2079

COC Number: 2042113

Page 1 of 2

CLIENT INFORMATION

COMPANY: ENTACT, LLC
ADDRESS: 150 Bay Street, Suite 806
CITY: Jersey City STATE: NJ ZIP: 07302
ATTENTION: Austin Farmerie
PHONE: 412-716-1366 FAX:

PROJECT INFORMATION

PROJECT NAME: 540 Degraw St Brooklyn, NY
PROJECT #: E9309 LOCATION: Brooklyn, NY
PROJECT MANAGER: Austin Farmerie
E-MAIL: afarmerie@entact.com
PHONE: 412-716-1366 FAX:

BILLING INFORMATION

BILL TO: ENTACT, LLC PO# E9309
ADDRESS: 999 Oakmont Plaza Drive, Suite 300
CITY: Westmont STATE: IL ZIP: 60559
ATTENTION: Wendy Murray PHONE: 800-936-8228

ANALYSIS

TCLP VOCs	TCLP ICP Metals + Cu, Ni, Zn	TCLP Herb	TCLP Pest	TCLP SVOCs	TCLP pH (Method 1311/9045 H+B)	I/C/R	PCBs	Oil & Grease
1	2	3	4	5	6	7	8	9

DATA TURNAROUND INFORMATION

FAX: 3 DAYS*
HARD COPY: 3 DAYS*
EDD 3 DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD Format

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles										<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
			COMP	GRAB	DATE	TIME		E	E	E	E	E	E	E	E	E	
1.	WC-A2-01-G	Soil		X	5/13	12:00	1	X									
2.	WC-A2-01-C	Soil	X		5/13	12:00	11		X	X	X	X	X	X	X	X	
3.	WC-A2-02-G	Soil		X	5/13	12:00	1	X									
4.	WC-A2-02-C	Soil	X		5/13	12:00	11		X	X	X	X	X	X	X	X	
5.	WC-A2-03-G	Soil		X	5/13	12:00	1	X									
6.	WC-A2-03-C	Soil	X		5/13	12:00	11		X	X	X	X	X	X	X	X	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER 1. Austin Farmerie	DATE/TIME 5/19 12:00	RECEIVED BY 	1400 5-19-25	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.5°C ☐ Ice in Cooler? _____
RELINQUISHED BY	DATE/TIME	RECEIVED BY		Comments:
2.		2.		
RELINQUISHED BY 	DATE/TIME 5-19-25	RECEIVED FOR LAB BY		SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight ALLIANCE: ☐ Picked Up ☐ Overnight
3.		3.		Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY



284 Sheffield Street, Mountainside, NJ 07092

(908) 789-8900 Fax: (908) 788-9222

www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number:

Q2079

COC Number: 2042113

Page 2 of 2

CLIENT INFORMATION

COMPANY: ENTACT, LLC

ADDRESS: 150 Bay Street, Suite 806

CITY Jersey City STATE: NJ ZIP: 07302

ATTENTION: Austin Farmerie

PHONE: 412-716-1366

FAX:

PROJECT INFORMATION

PROJECT NAME: 540 Degraw St Brooklyn, NY

PROJECT #: E9309 LOCATION: Brooklyn, NY

PROJECT MANAGER: Austin Farmerie

E-MAIL: afarmerie@entact.com

PHONE: 412-716-1366

FAX:

BILLING INFORMATION

BILL TO: ENTACT, LLC

PO# E9309

ADDRESS: 999 Oakmont Plaza Drive, Suite 300

CITY: Westmont

STATE: IL ZIP: 60559

ATTENTION: Wendy Murray

PHONE: 800-936-8228

DATA TURNAROUND INFORMATION

FAX: 3 DAYS*
HARD COPY: 3 DAYS*
EDD 3 DAYS*

* TO BE APPROVED BY ALLIANCE

STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

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☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other
☐ EDD Format

ANALYSIS

ASTM COD	ASTM Ammonia Nitrogen	ASTM O&G	ASTM TS	TS, TVS	pH (9045D)	Paint Filter
10	11	12	13	14	15	16

PRESERVATIVES

COMMENTS

<-- Specify Preservatives

A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	E	E	E	E	E	E	E			
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	WC-A2-01-G	Soil		X	5/13	12:00	1										
2.	WC-A2-01-C	Soil	X		5/13	12:00	11	X	X	X	X	X	X	X			
3.	WC-A2-02-G	Soil		X	5/13	12:00	1										
4.	WC-A2-02-C	Soil	X		5/13	12:00	11	X	X	X	X	X	X	X			
5.	WC-A2-03-G	Soil		X	5/13	12:00	1										
6.	WC-A2-03-C	Soil	X		5/13	12:00	11	X	X	X	X	X	X	X			
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER 1. Austin Farmerie	DATE/TIME 5-19-28 1400	RECEIVED BY [Signature] 5-19-28 1400	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.5C ☐ Ice in Cooler?:
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY	Comments:
RELINQUISHED BY 3. [Signature]	DATE/TIME 5-19-28 1930	RECEIVED FOR LAB BY 3.	

Page _____ of _____

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☐ Picked Up ☐ Overnight

Shipment Complete
☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT

YELLOW - ALLIANCE COPY

PINK - SAMPLER COPY

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488