

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
 Data File : VL041939.D
 Acq On : 21 Jan 2025 09:14
 Operator : SY/MD
 Sample : Q1138-02DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DUP

Quant Time: Jan 21 10:00:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/21/2025
 Supervised By : Mahesh Dadoda 01/21/2025

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

Internal Standards						
1) Bromochloromethane	2.777	49	137672	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.946	114	368423	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.869	117	311119	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	239692	9.781	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.492	85	8842	0.472	ppbv	94
3) Chlorodifluoromethane	1.473	51	5327m	0.271	ppbv	
4) Chloromethane	1.528	50	3447	0.489	ppbv #	86
9) Propene	1.483	41	5497	0.679	ppbv #	83
11) Trichlorofluoromethane	1.871	101	4341	0.223	ppbv	94
13) Ethanol	1.716	45	8896	15.008	ppbv	96
15) Acetone	1.829	43	116245	7.030	ppbv	99
19) Isopropyl Alcohol	1.884	45	4395	0.448	ppbv #	1
20) Methylene Chloride	2.055	84	5217	0.798	ppbv	99
26) Hexane	2.819	57	5772	0.327	ppbv #	52
35) Carbon Tetrachloride	3.748	117	1719	0.074	ppbv #	76
36) Benzene	3.645	78	6850	0.203	ppbv #	81
52) Tetrachloroethene	8.208	164	7279m	0.621	ppbv	
53) Toluene	6.917	91	5079m	0.138	ppbv	

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

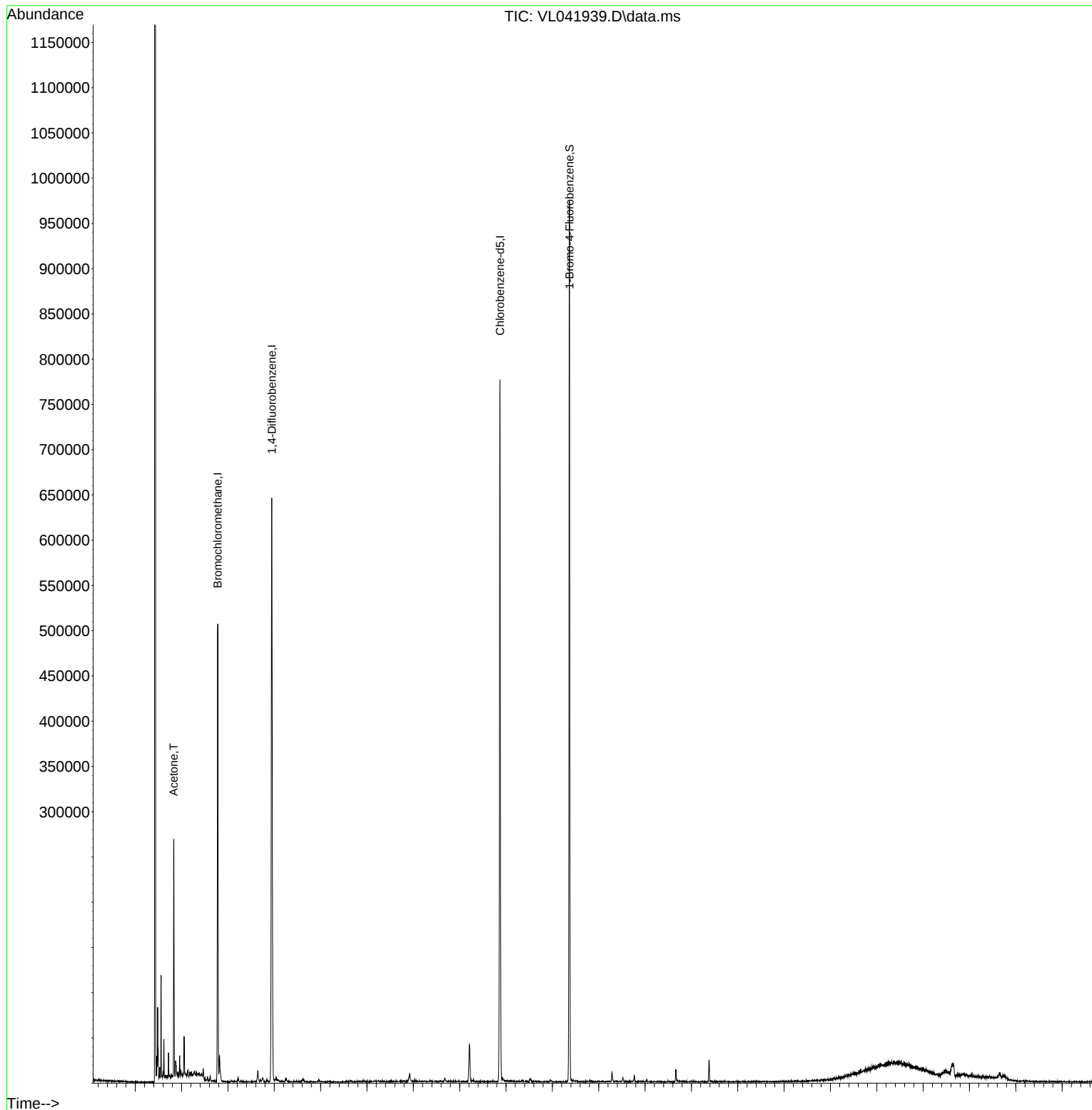
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
Data File : VL041939.D
Acq On : 21 Jan 2025 09:14
Operator : SY/MD
Sample : Q1138-02DUP
Misc : 400mL/MSVOA_L
ALS Vial : 13 Sample Multiplier: 1

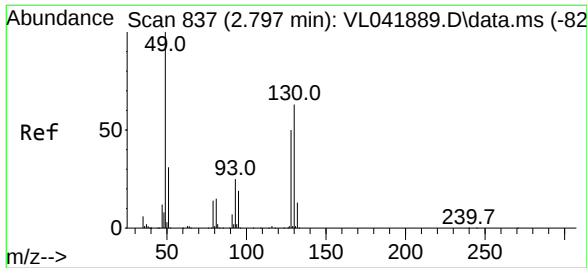
Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Quant Time: Jan 21 10:00:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

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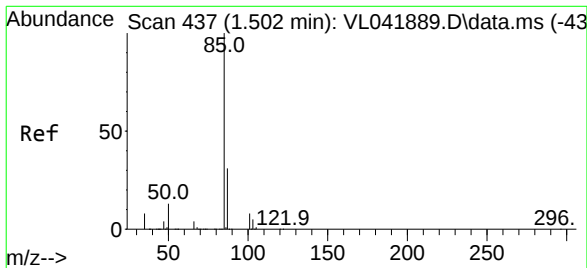
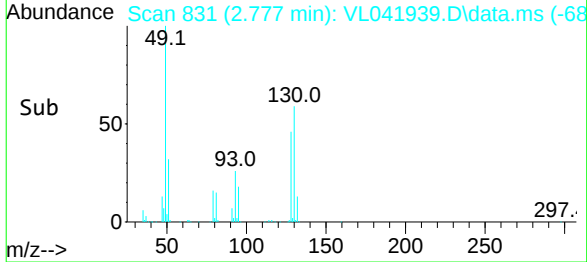
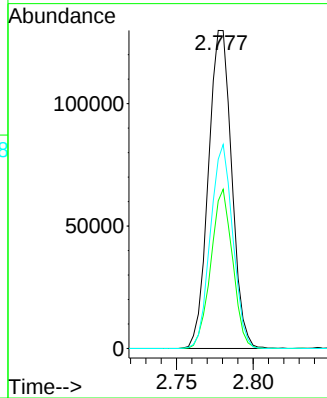
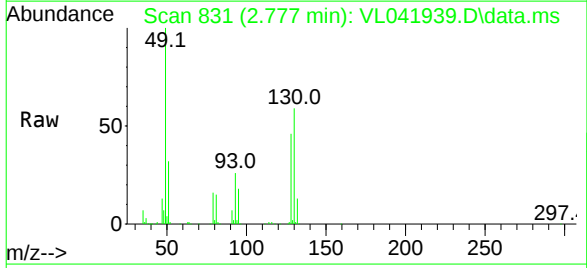
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 831
Delta R.T. -0.020 min
Lab File: VL041939.D
Acq: 21 Jan 2025 09:14

Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Tgt Ion: 49 Resp: 137672
Ion Ratio Lower Upper
49 100
128 46.5 24.3 73.0
130 61.5 31.1 93.2

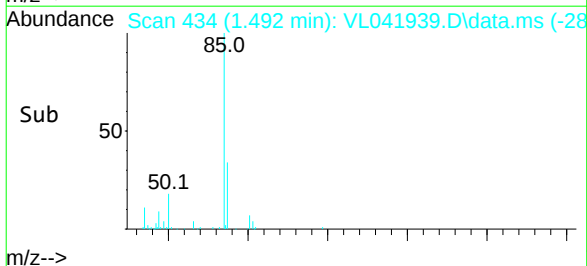
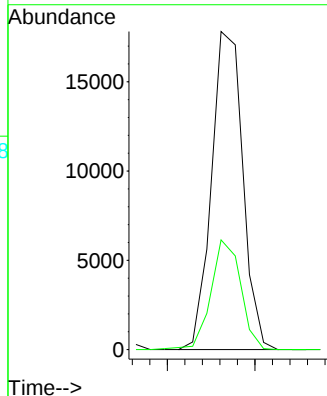
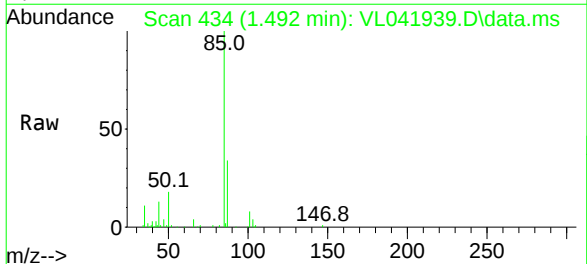
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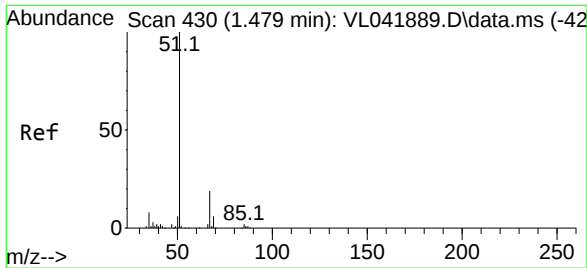
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#2
Dichlorodifluoromethane
Concen: 0.472 ppbv
RT: 1.492 min Scan# 434
Delta R.T. -0.010 min
Lab File: VL041939.D
Acq: 21 Jan 2025 09:14

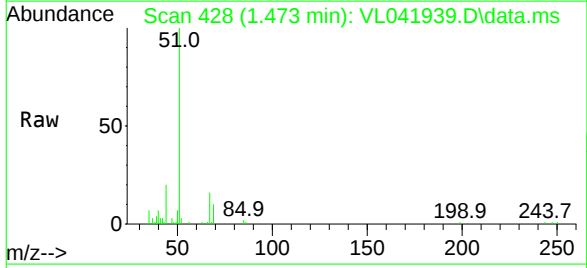
Tgt Ion: 85 Resp: 8842
Ion Ratio Lower Upper
85 100
87 34.5 24.9 37.3





#3
Chlorodifluoromethane
Concen: 0.271 ppbv m
RT: 1.473 min Scan# 42
Delta R.T. -0.006 min
Lab File: VL041939.D
Acq: 21 Jan 2025 09:14

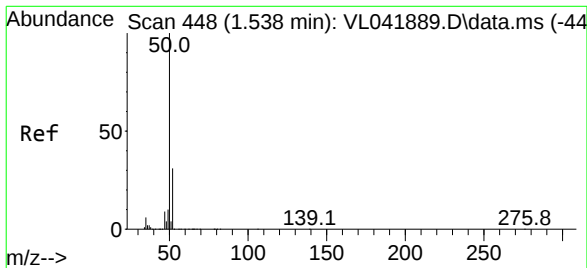
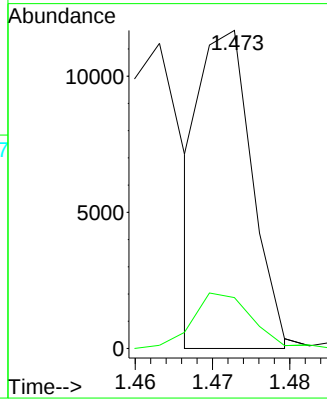
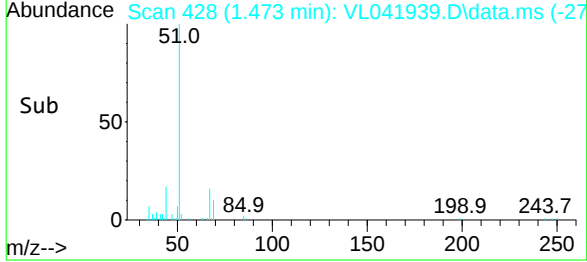
Instrument :
MSVOA_L
ClientSampleId :
IA2DUP



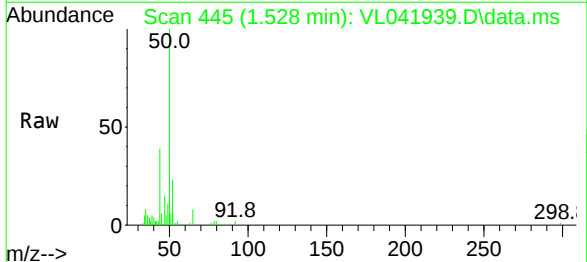
Tgt Ion: 51 Resp: 5327
Ion Ratio Lower Upper
51 100
67 1.2 15.0 22.4#

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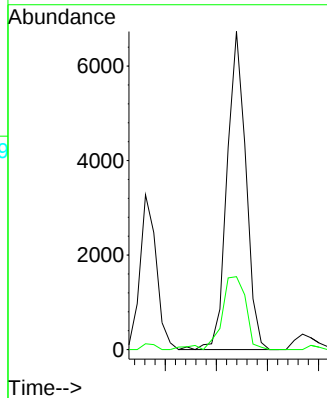
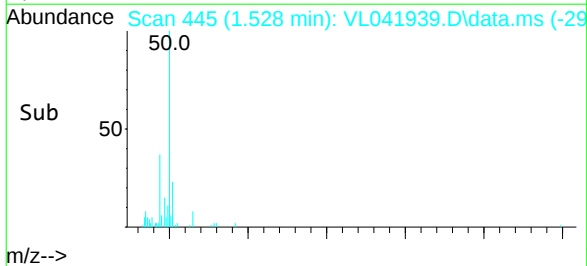
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

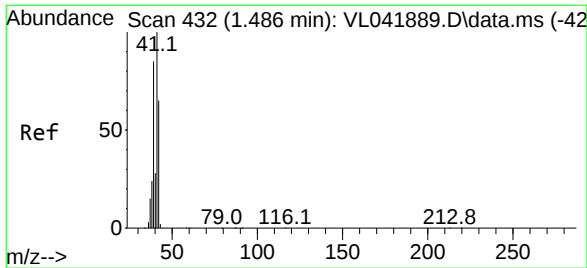


#4
Chloromethane
Concen: 0.489 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.010 min
Lab File: VL041939.D
Acq: 21 Jan 2025 09:14



Tgt Ion: 50 Resp: 3447
Ion Ratio Lower Upper
50 100
52 22.9 24.6 36.8#





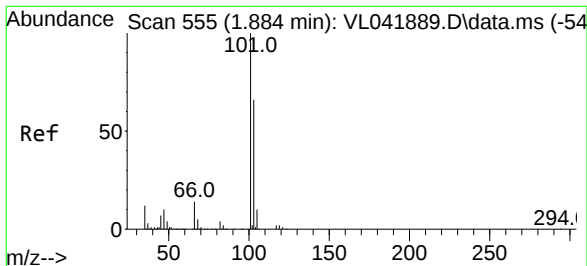
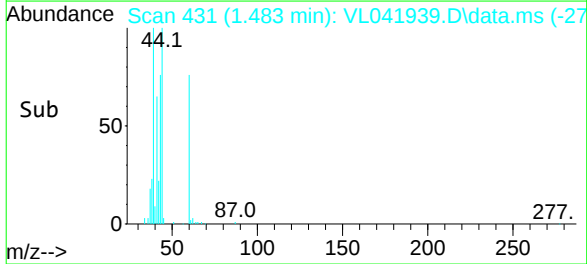
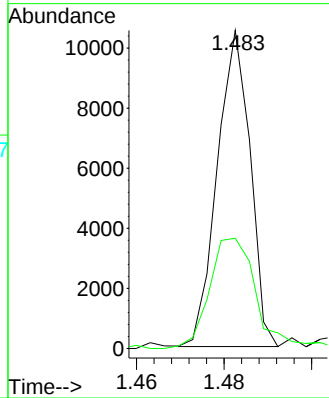
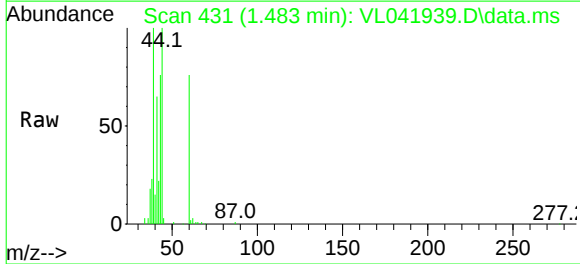
#9
 Propene
 Concen: 0.679 ppbv
 RT: 1.483 min Scan# 43
 Delta R.T. -0.003 min
 Lab File: VL041939.D
 Acq: 21 Jan 2025 09:14

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DUP

Tgt Ion: 41 Resp: 5497
 Ion Ratio Lower Upper
 41 100
 42 51.2 52.0 78.0#

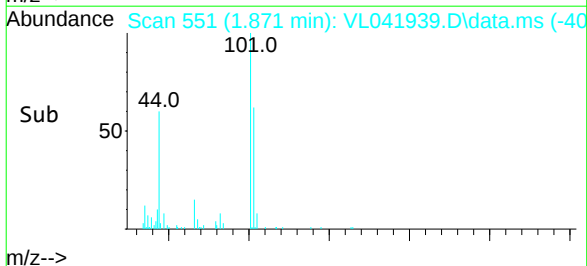
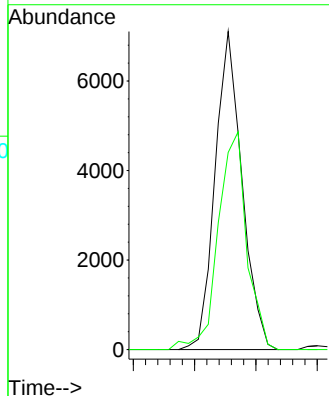
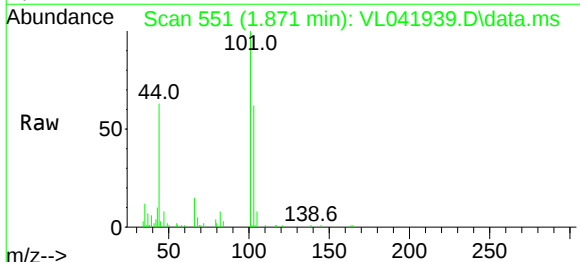
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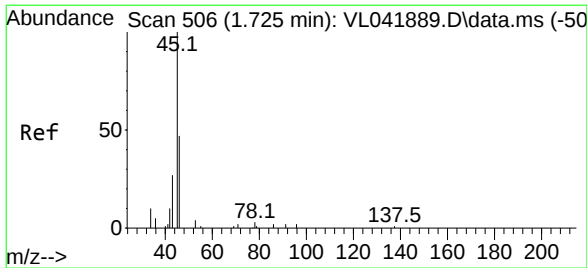
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 Supervised By :Mahesh Dadoda 01/21/2025



#11
 Trichlorofluoromethane
 Concen: 0.223 ppbv
 RT: 1.871 min Scan# 551
 Delta R.T. -0.013 min
 Lab File: VL041939.D
 Acq: 21 Jan 2025 09:14

Tgt Ion:101 Resp: 4341
 Ion Ratio Lower Upper
 101 100
 103 62.0 53.1 79.7





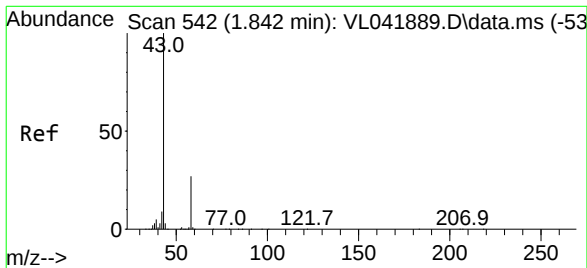
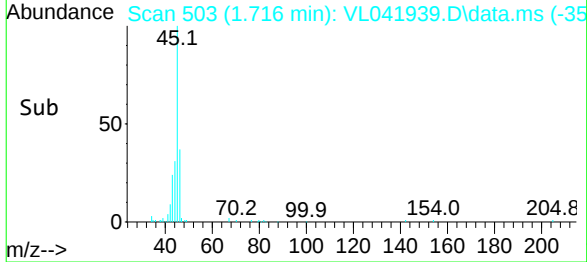
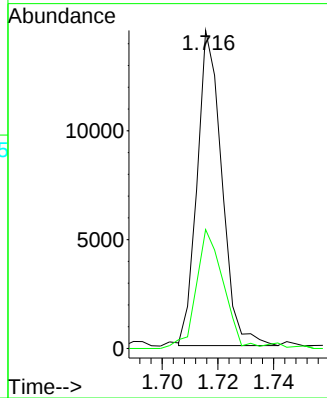
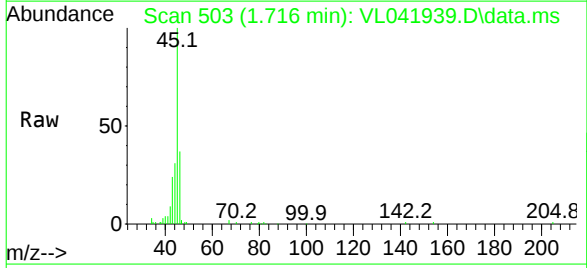
#13
Ethanol
Concen: 15.008 ppbv
RT: 1.716 min Scan# 506
Delta R.T. -0.010 min
Lab File: VL041939.D
Acq: 21 Jan 2025 09:14

Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Tgt Ion: 45 Resp: 8896
Ion Ratio Lower Upper
45 100
46 42.8 18.1 72.5

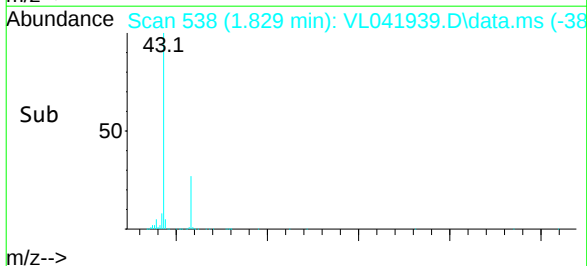
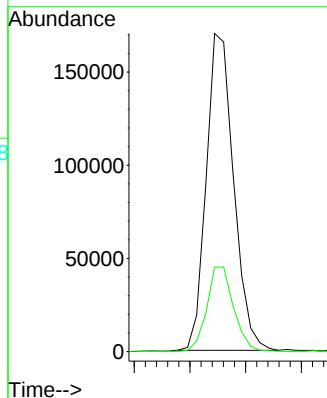
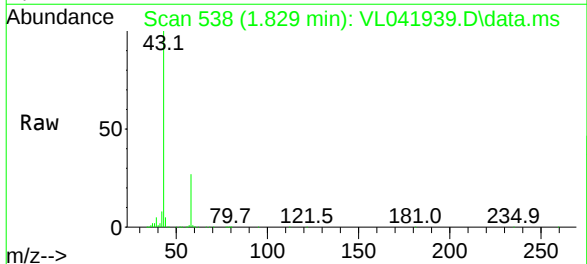
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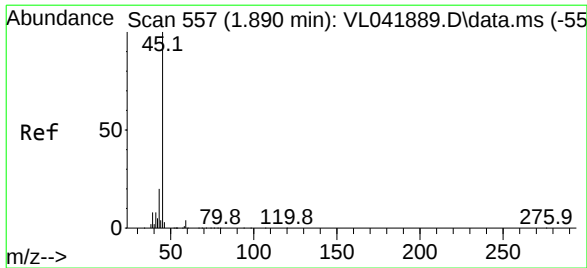
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Supervised By :Mahesh Dadoda 01/21/2025



#15
Acetone
Concen: 7.030 ppbv
RT: 1.829 min Scan# 538
Delta R.T. -0.013 min
Lab File: VL041939.D
Acq: 21 Jan 2025 09:14

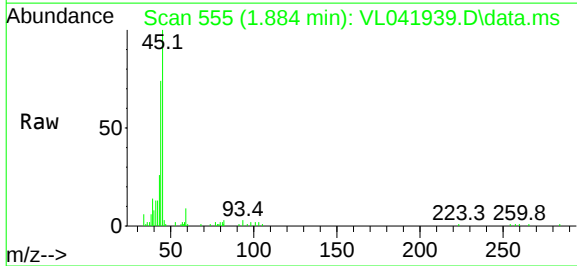
Tgt Ion: 43 Resp: 116245
Ion Ratio Lower Upper
43 100
58 26.6 21.9 32.9





#19
Isopropyl Alcohol
Concen: 0.448 ppbv
RT: 1.884 min Scan# 557
Delta R.T. -0.006 min
Lab File: VL041939.D
Acq: 21 Jan 2025 09:14

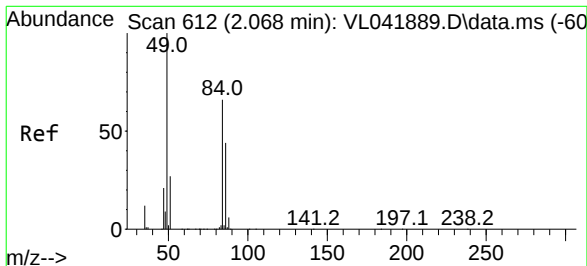
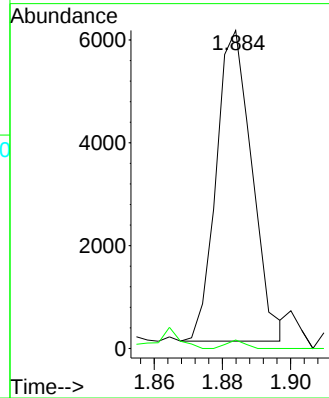
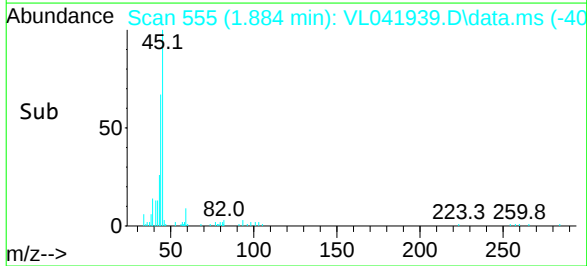
Instrument : MSVOA_L
ClientSampleId : IA2DUP



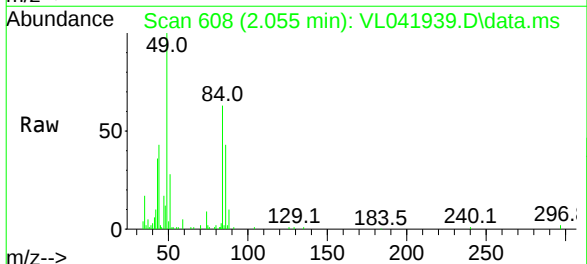
Tgt Ion: 45 Resp: 4395
Ion Ratio Lower Upper
45 100
58 702.0 35.0 52.6

Manual Integrations
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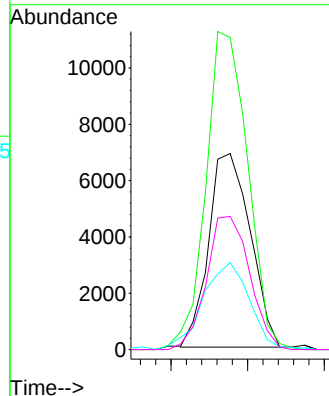
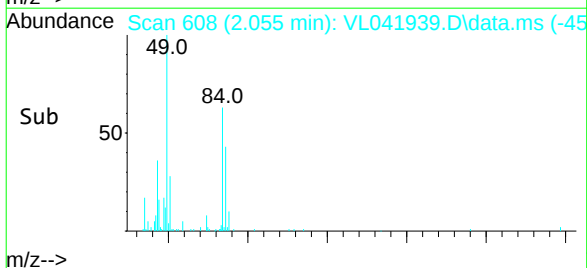
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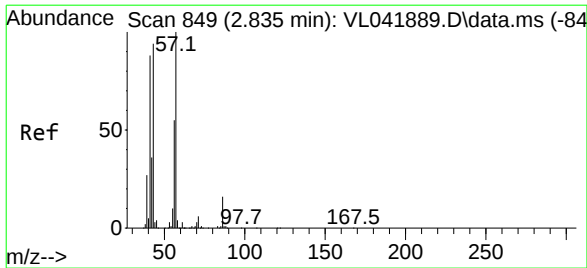


#20
Methylene Chloride
Concen: 0.798 ppbv
RT: 2.055 min Scan# 608
Delta R.T. -0.013 min
Lab File: VL041939.D
Acq: 21 Jan 2025 09:14



Tgt Ion: 84 Resp: 5217
Ion Ratio Lower Upper
84 100
49 155.7 123.1 184.7
51 43.5 35.8 53.8
86 67.6 53.7 80.5





#26

Hexane

Concen: 0.327 ppbv

RT: 2.819 min Scan# 84

Delta R.T. -0.016 min

Lab File: VL041939.D

Acq: 21 Jan 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

IA2DUP

Tgt Ion: 57 Resp: 5772

Ion Ratio Lower Upper

57 100

41 106.2 73.8 110.8

43 131.7 197.3 295.9#

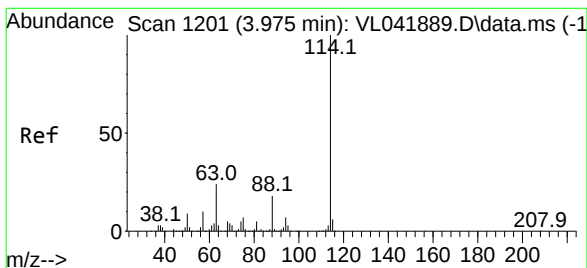
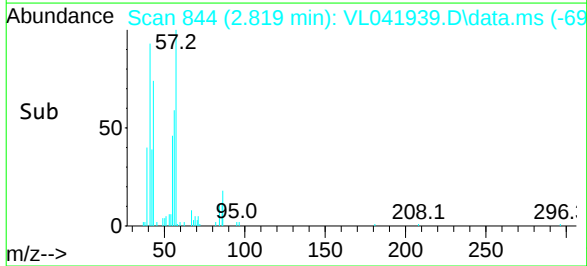
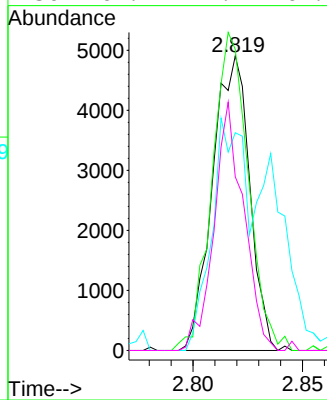
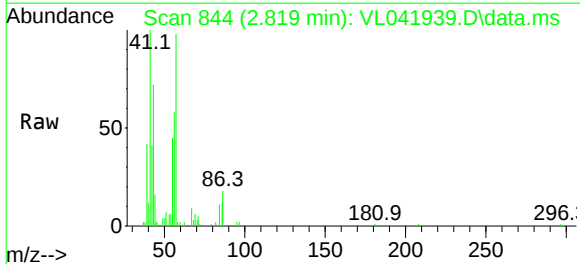
56 67.9 42.7 64.1#

Manual Integrations

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Supervised By :Mahesh Dadoda 01/21/2025



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.946 min Scan# 1192

Delta R.T. -0.029 min

Lab File: VL041939.D

Acq: 21 Jan 2025 09:14

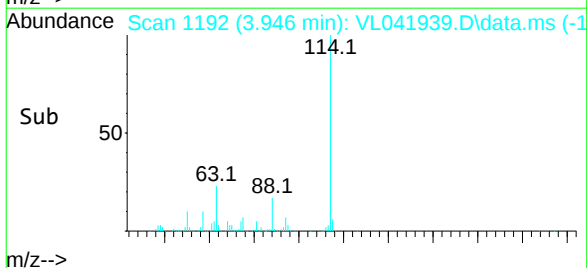
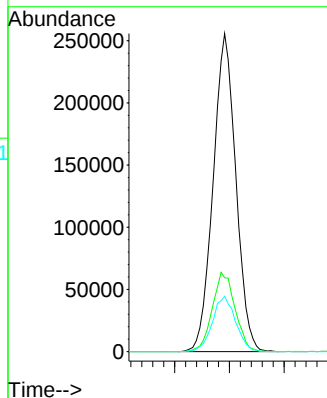
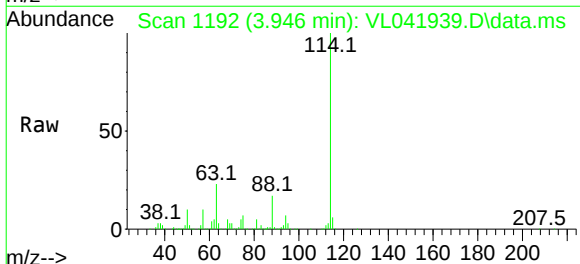
Tgt Ion:114 Resp: 368423

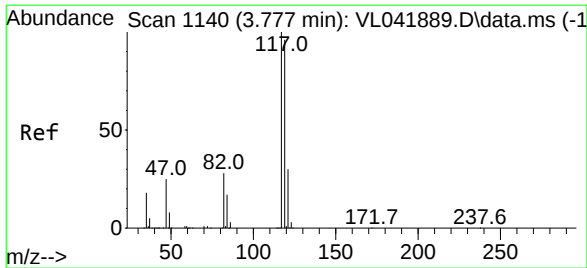
Ion Ratio Lower Upper

114 100

63 25.0 19.8 29.6

88 17.7 14.4 21.6





#35

Carbon Tetrachloride

Concen: 0.074 ppbv

RT: 3.748 min Scan# 11

Delta R.T. -0.029 min

Lab File: VL041939.D

Acq: 21 Jan 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

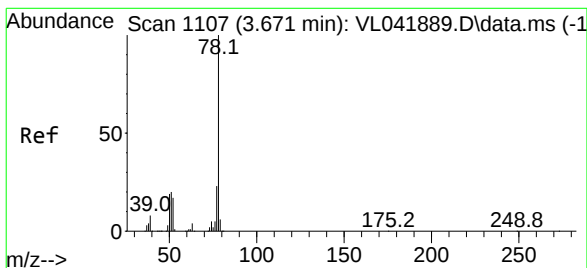
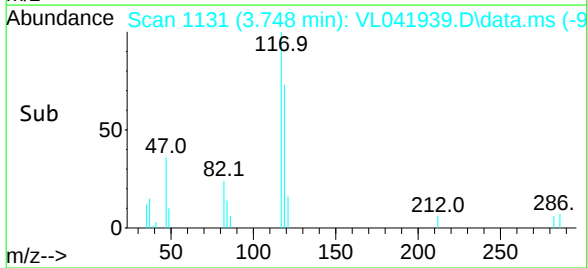
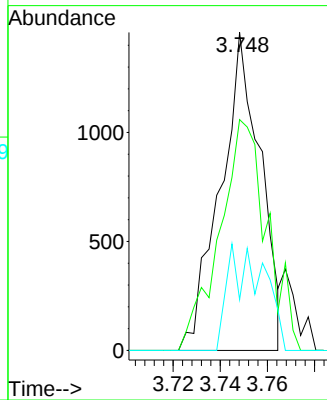
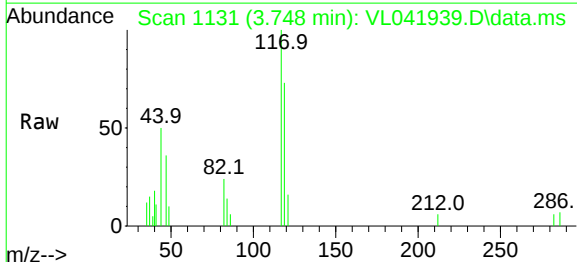
IA2DUP

Tgt Ion:	117	Resp:	1719
Ion	Ratio	Lower	Upper
117	100		
119	72.6	76.9	115.3#
121	16.0	23.8	35.6#

Manual Integrations

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#36

Benzene

Concen: 0.203 ppbv

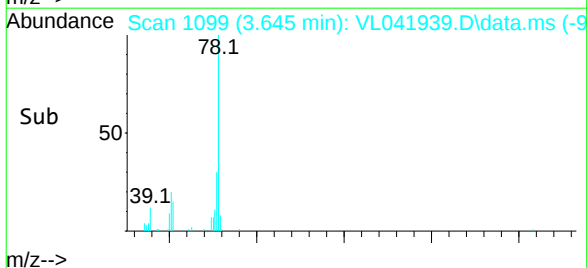
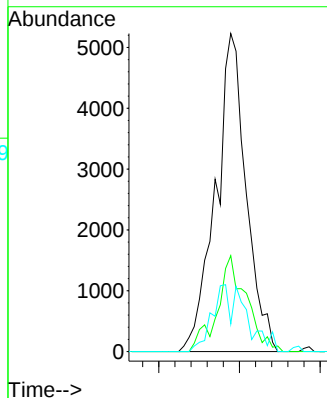
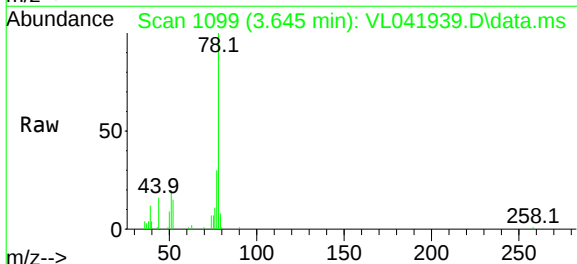
RT: 3.645 min Scan# 1099

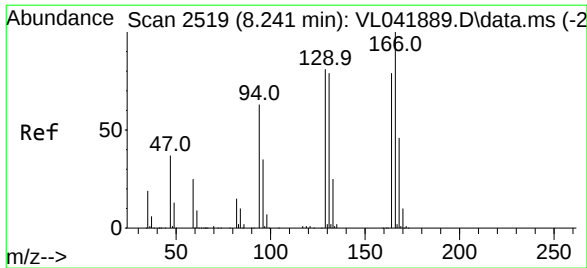
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Lab File: VL041939.D

Acq: 21 Jan 2025 09:14

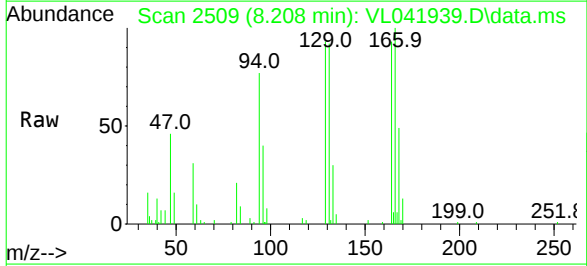
Tgt Ion:	78	Resp:	6850
Ion	Ratio	Lower	Upper
78	100		
77	30.2	18.1	27.1#
50	8.7	15.2	22.8#





#52
Tetrachloroethene
Concen: 0.621 ppbv m
RT: 8.208 min Scan# 2519
Delta R.T. -0.032 min
Lab File: VL041939.D
Acq: 21 Jan 2025 09:14

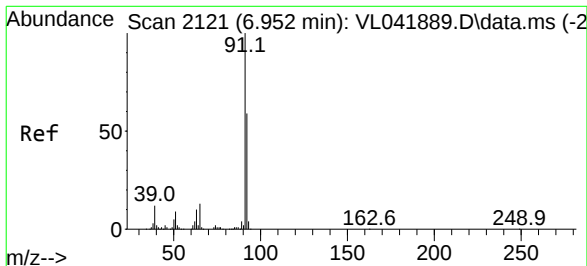
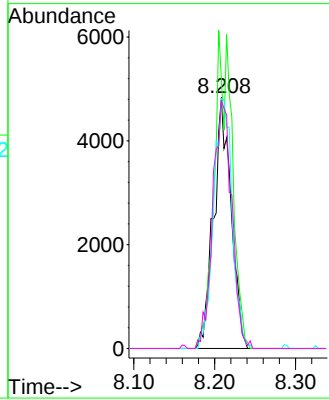
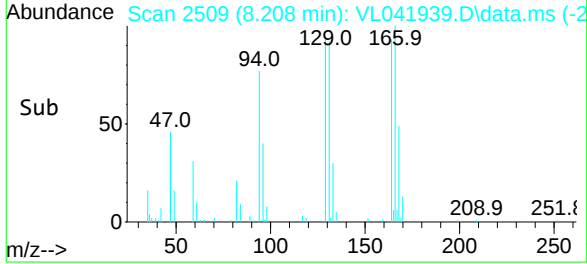
Instrument :
MSVOA_L
ClientSampleId :
IA2DUP



Tgt Ion: 164 Resp: 7279
Ion Ratio Lower Upper
164 100
166 107.1 100.8 151.2
129 99.5 82.0 123.0
131 98.4 80.2 120.2

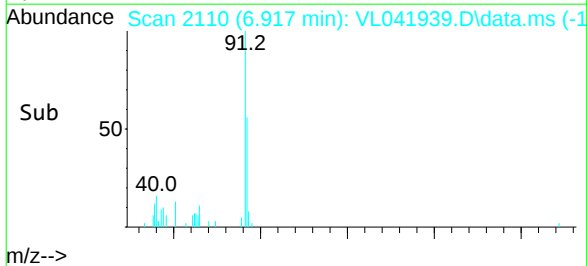
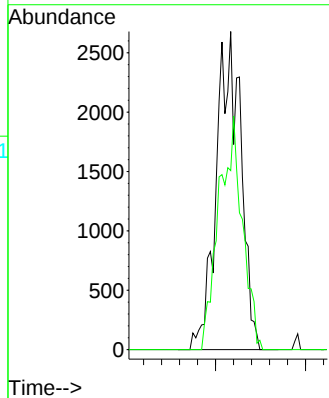
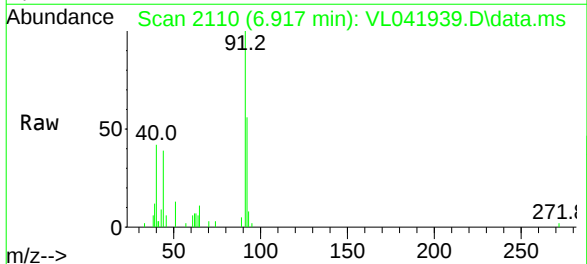
Manual Integrations
APPROVED

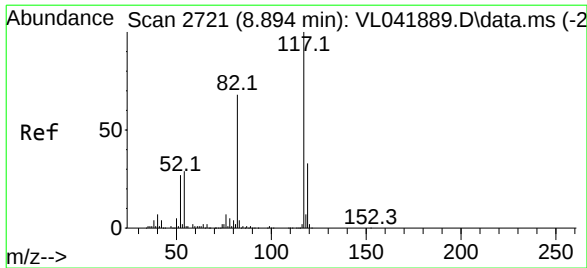
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#53
Toluene
Concen: 0.138 ppbv m
RT: 6.917 min Scan# 2110
Delta R.T. -0.036 min
Lab File: VL041939.D
Acq: 21 Jan 2025 09:14

Tgt Ion: 91 Resp: 5079
Ion Ratio Lower Upper
91 100
92 0.0 47.4 71.0#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.869 min Scan# 27

Delta R.T. -0.026 min

Lab File: VL041939.D

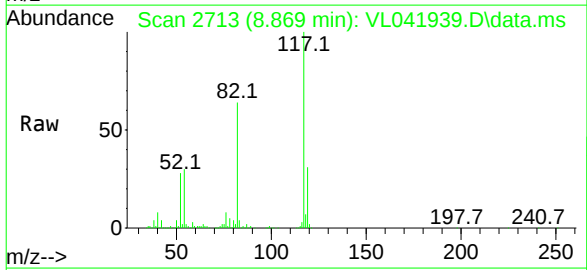
Acq: 21 Jan 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

IA2DUP

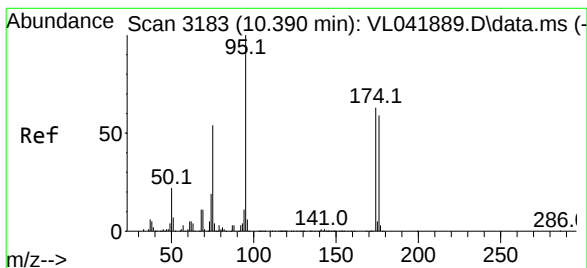
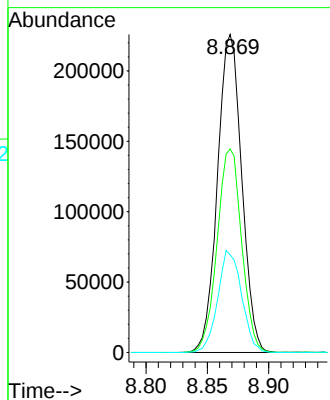
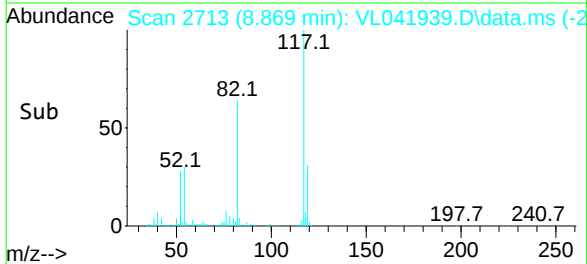


Tgt Ion: 117 Resp: 311119

Ion	Ratio	Lower	Upper
117	100		
82	64.7	54.2	81.4
119	31.6	25.0	37.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 9.781 ppbv

RT: 10.367 min Scan# 3176

Delta R.T. -0.023 min

Lab File: VL041939.D

Acq: 21 Jan 2025 09:14

Tgt Ion: 95 Resp: 239692

Ion	Ratio	Lower	Upper
95	100		
174	59.3	49.0	73.4
175	4.5	3.8	5.8

