

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
 Data File : VL042769.D
 Acq On : 24 Jul 2025 17:29
 Operator : SY/MD
 Sample : Q2671-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 118-IA-2

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

07/26/2025
 Supervised By : Mahesh
 Dadoda

Quant Time: Jul 25 01:29:46 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Jul 24 05:24:41 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	152144	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	410938	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	378371	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 304041 10.147 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	8186	0.407	ppbv	95
4) Chloromethane	1.531	50	6378	0.784	ppbv	91
9) Propene	1.486	41	380397m	39.942	ppbv	
10) Heptane	4.985	43	19067m	0.742	ppbv	
11) Trichlorofluoromethane	1.877	101	4820	0.232	ppbv	90
13) Ethanol	1.725	45	2117174	3051.926	ppbv	90
15) Acetone	1.835	43	944712	44.968	ppbv	99
19) Isopropyl Alcohol	1.887	45	458535	41.072	ppbv #	76
20) Methylene Chloride	2.062	84	3980m	0.601	ppbv	
25) Ethyl Acetate	2.832	43	238601	5.131	ppbv #	95
26) Hexane	2.829	57	130342	6.389	ppbv #	82
29) Chloroform	2.848	83	20783	0.659	ppbv	99
32) 1,1,1-Trichloroethane	3.370	97	8467	0.258	ppbv #	89
34) 2-Butanone	2.557	43	32227	1.107	ppbv	97
35) Carbon Tetrachloride	3.764	117	3384m	0.111	ppbv	
36) Benzene	3.661	78	10259m	0.263	ppbv	
37) 1,2-Dichloroethane	3.221	62	25795	1.099	ppbv	97
52) Tetrachloroethene	8.228	164	7237	0.448	ppbv	93
53) Toluene	6.936	91	66216	1.583	ppbv	99
58) Ethyl Benzene	9.354	91	12289	0.206	ppbv	94
59) m/p-Xylene	9.535	91	24196m	0.507	ppbv	
60) o-Xylene	9.966	91	10717	0.225	ppbv	97
61) Styrene	9.869	104	11559	0.576	ppbv	93
74) 1,2,4-Trimethylbenzene	11.539	105	11842	0.231	ppbv #	69
79) Naphthalene	13.516	128	5307	0.526	ppbv #	83

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
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Instrument :
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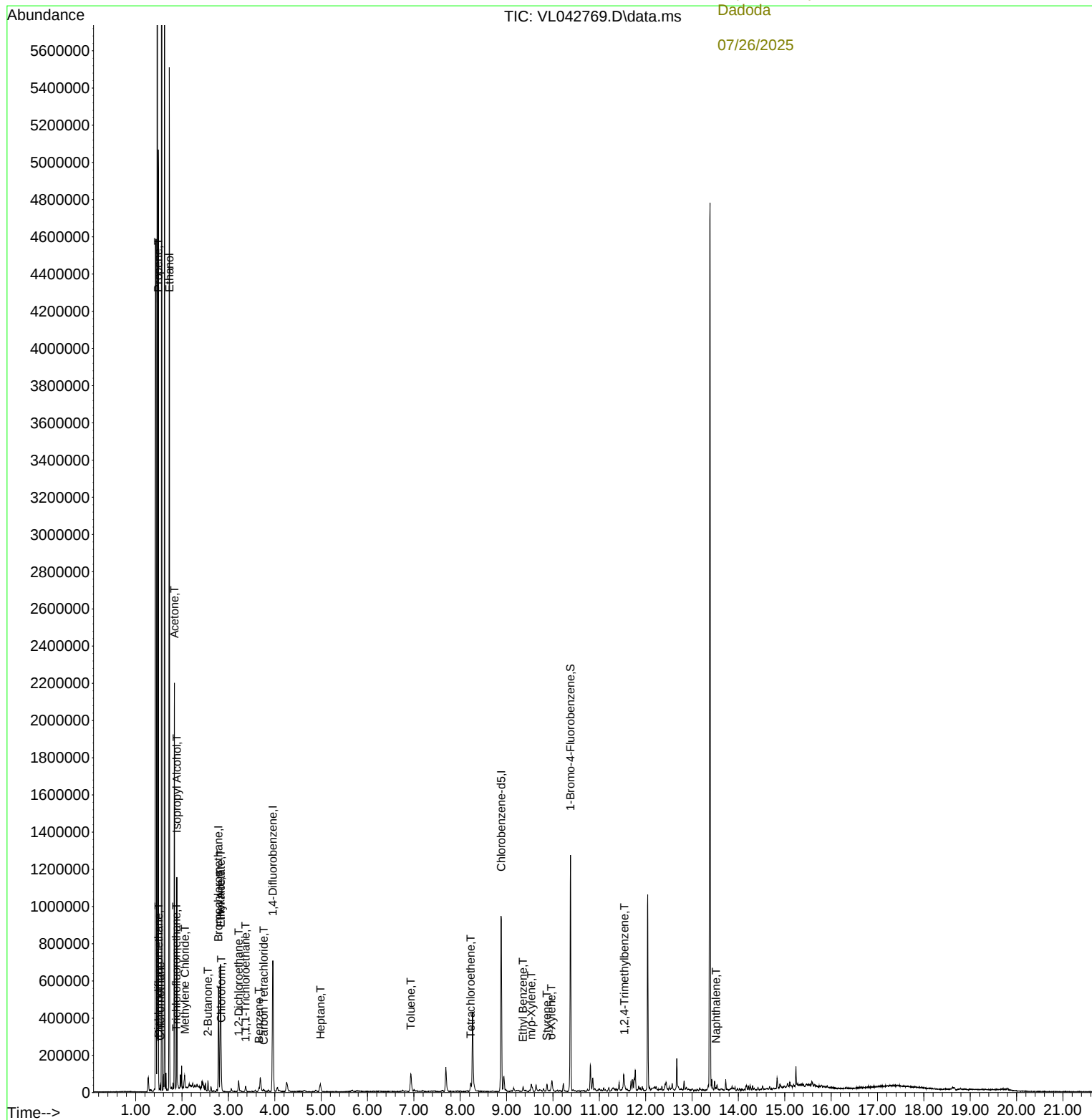
Manual Integrations
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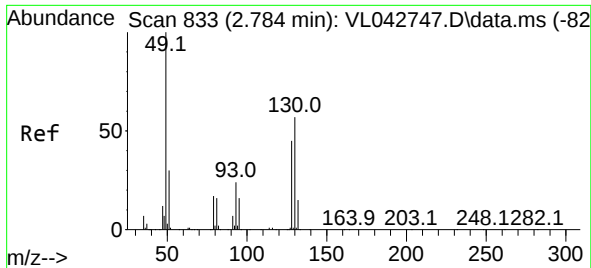
Reviewed By :Semsettin
Yesilyurt

07/26/2025
Supervised By :Mahesh
Dadoda

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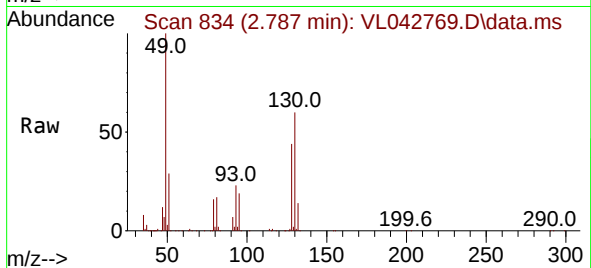
Quant Time: Jul 25 01:29:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2



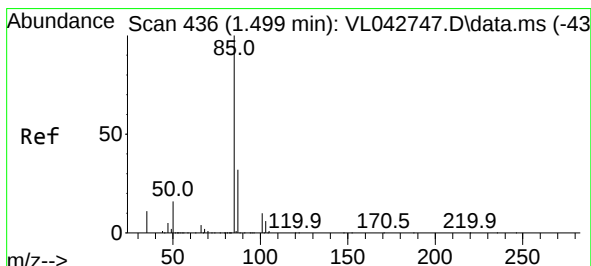
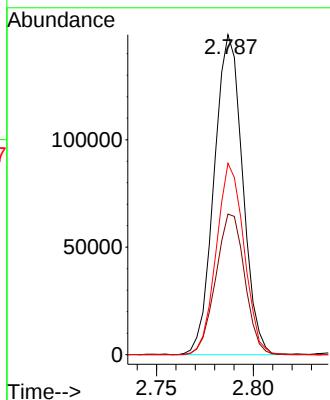
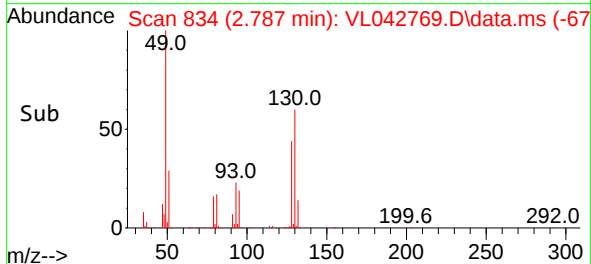
Tgt Ion: 49 Resp: 152144
Ion Ratio Lower Upper
49 100
128 44.7 23.6 71.0
130 58.3 30.3 90.8

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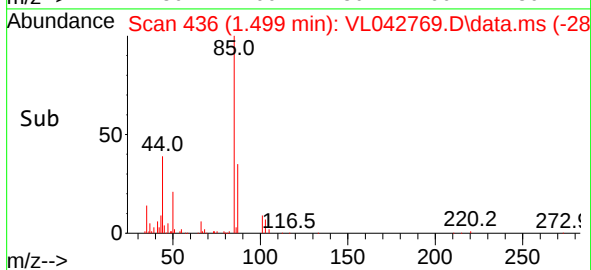
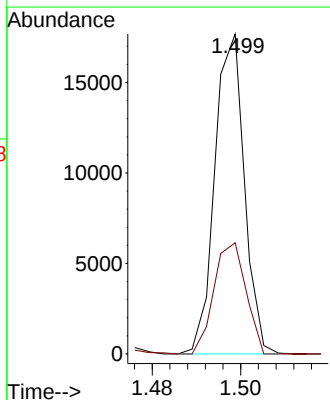
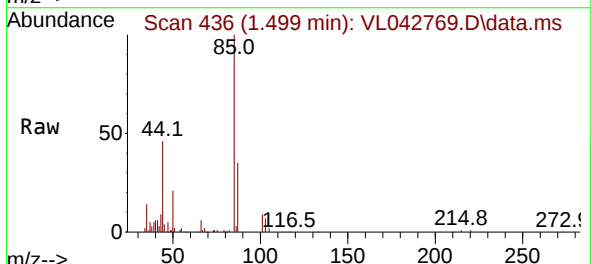
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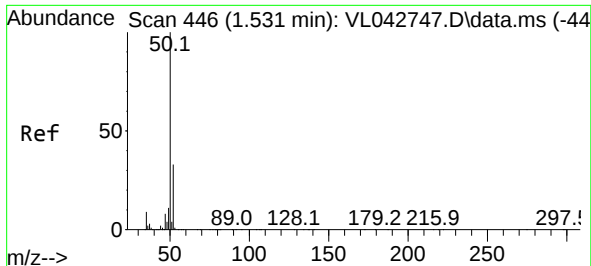
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#2
Dichlorodifluoromethane
Concen: 0.407 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

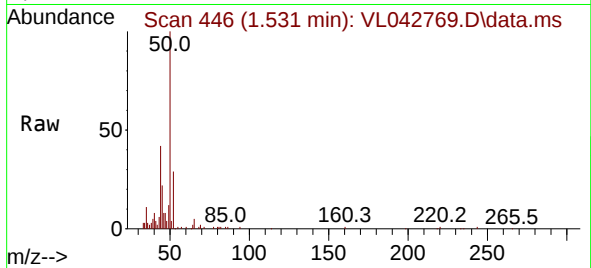
Tgt Ion: 85 Resp: 8186
Ion Ratio Lower Upper
85 100
87 34.8 25.4 38.2





#4
Chloromethane
Concen: 0.784 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2



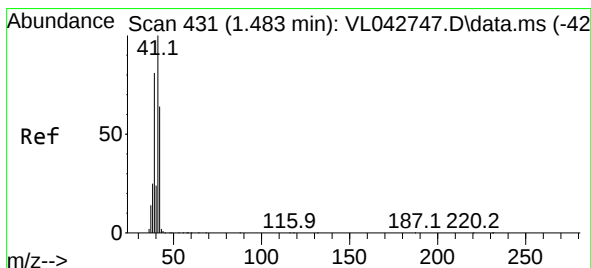
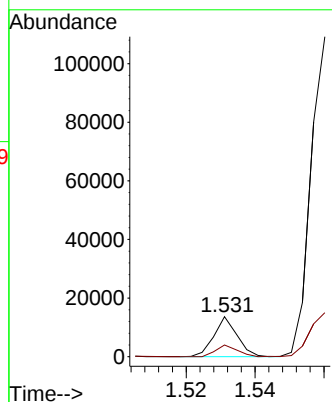
Tgt Ion: 50 Resp: 6378
Ion Ratio Lower Upper
50 100
52 28.1 26.6 40.0

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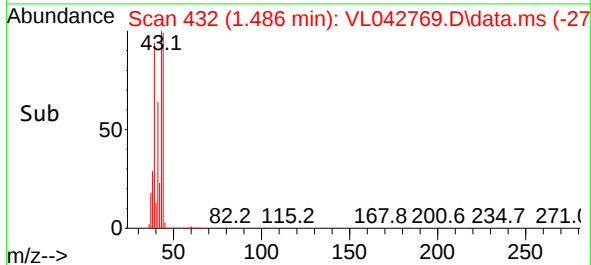
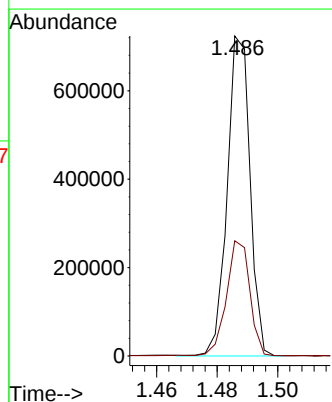
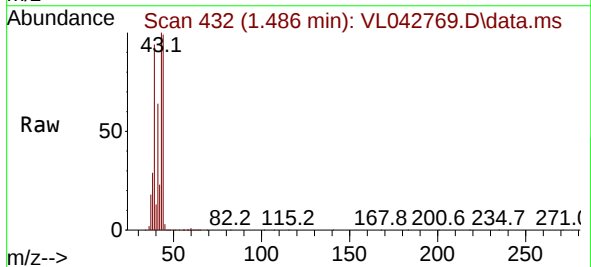
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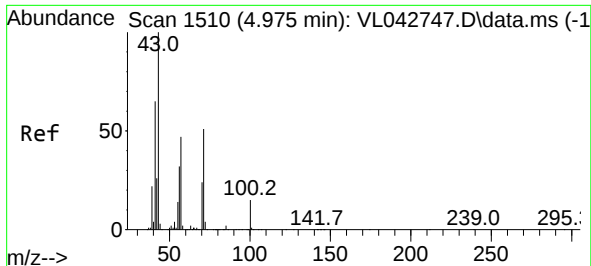
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#9
Propene
Concen: 39.942 ppbv m
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

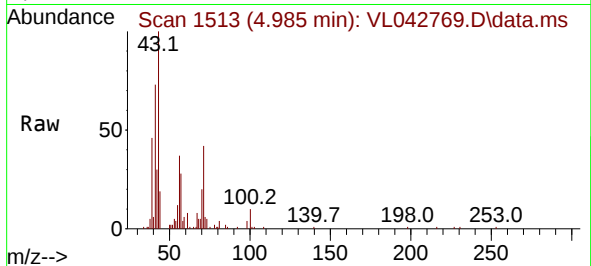
Tgt Ion: 41 Resp: 380397
Ion Ratio Lower Upper
41 100
42 332.7 53.2 79.8#





#10
Heptane
Concen: 0.742 ppbv m
RT: 4.985 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2



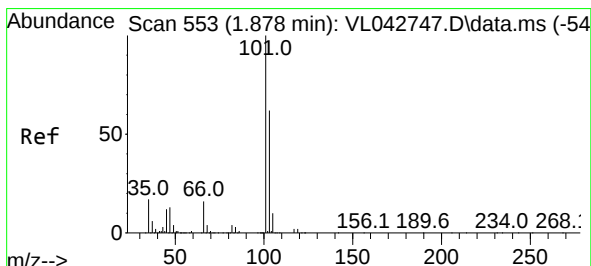
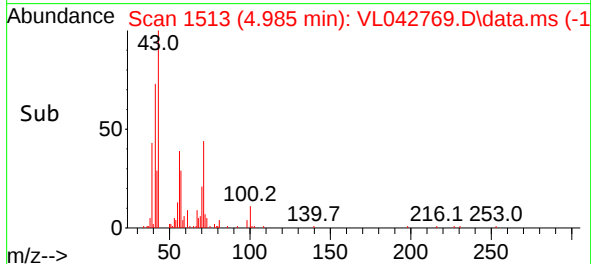
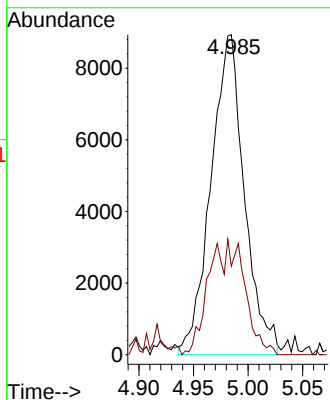
Tgt Ion: 43 Resp: 1906
Ion Ratio Lower Upper
43 100
57 38.5 39.9 59.9

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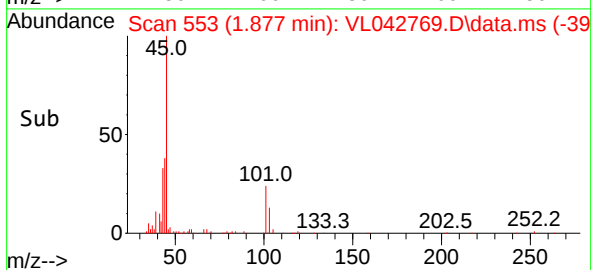
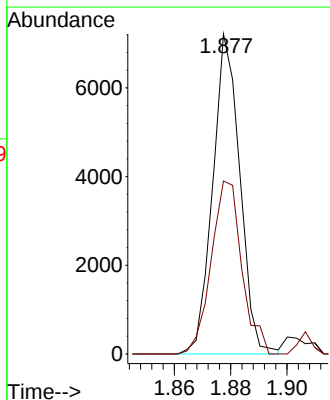
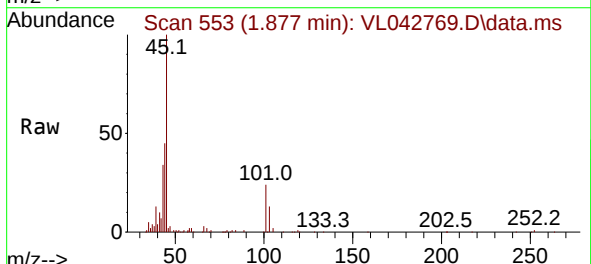
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Dadoda

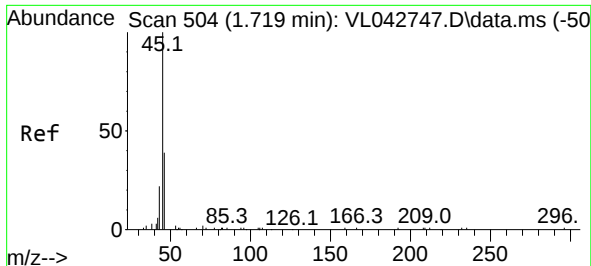
07/26/2025



#11
Trichlorofluoromethane
Concen: 0.232 ppbv
RT: 1.877 min Scan# 553
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

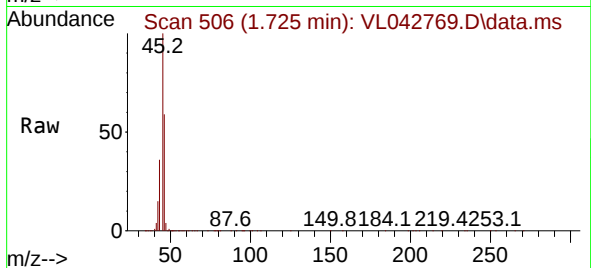
Tgt Ion:101 Resp: 4820
Ion Ratio Lower Upper
101 100
103 54.0 49.6 74.4





#13
Ethanol
Concen: 3051.926 ppbv
RT: 1.725 min Scan# 504
Delta R.T. 0.006 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
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ClientSampleId :
118-IA-2



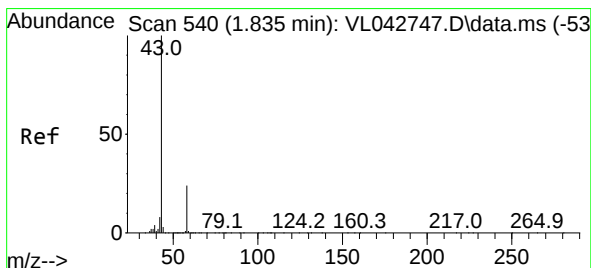
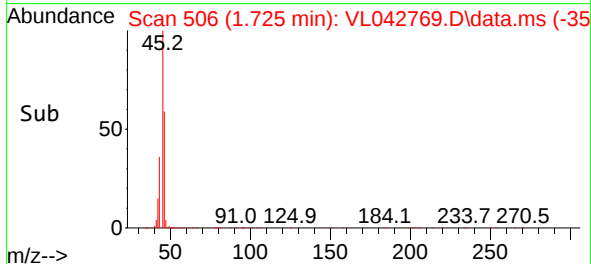
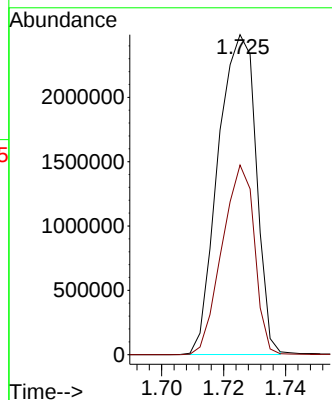
Tgt Ion: 45 Resp: 2117174
Ion Ratio Lower Upper
45 100
46 50.8 17.8 71.4

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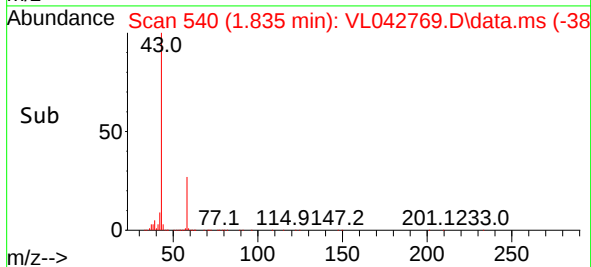
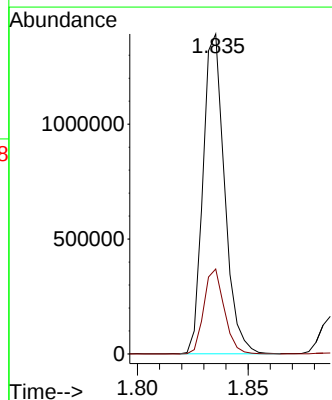
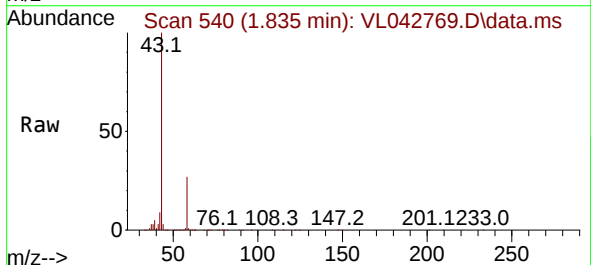
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Dadoda

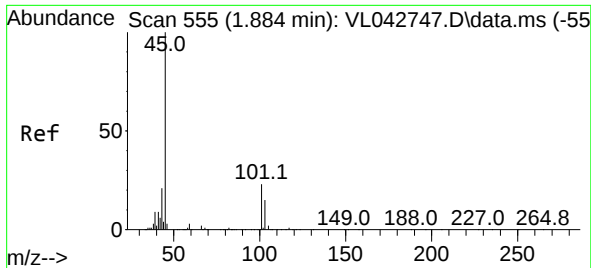
07/26/2025



#15
Acetone
Concen: 44.968 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 43 Resp: 944712
Ion Ratio Lower Upper
43 100
58 25.1 19.8 29.8





#19
Isopropyl Alcohol
Concen: 41.072 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

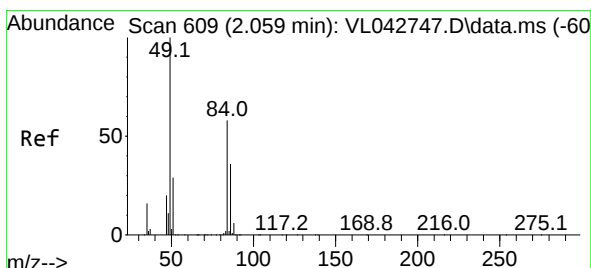
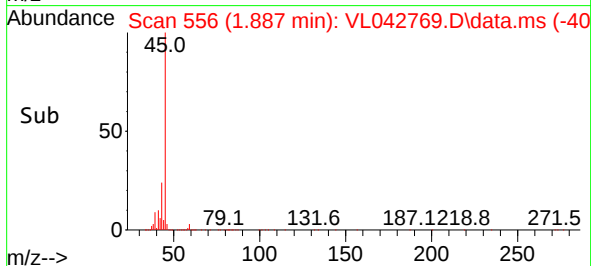
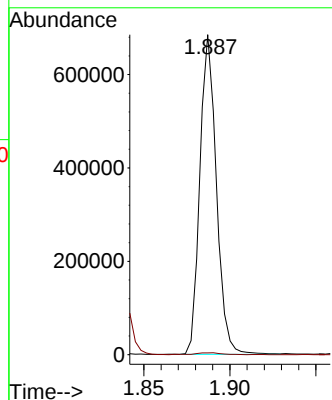
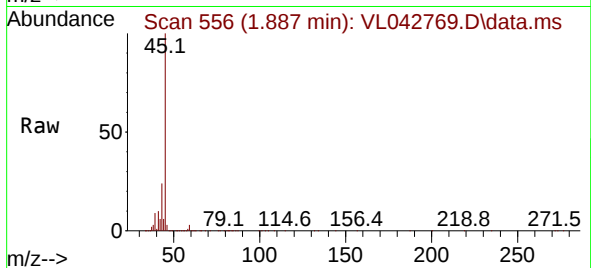
Tgt Ion: 45 Resp: 458535
Ion Ratio Lower Upper
45 100
58 51.8 30.0 45.0

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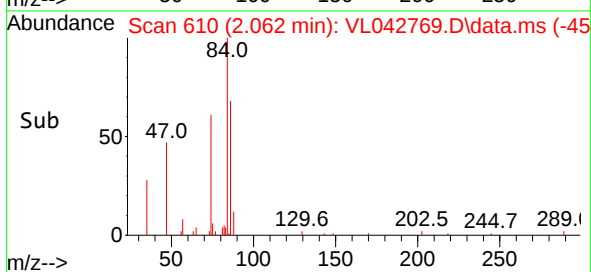
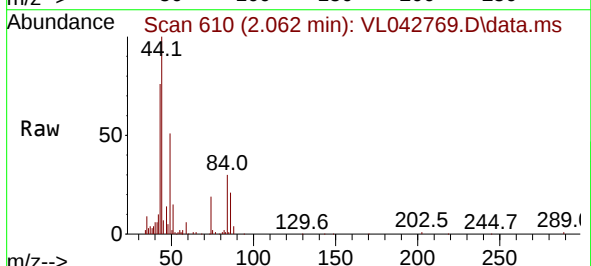
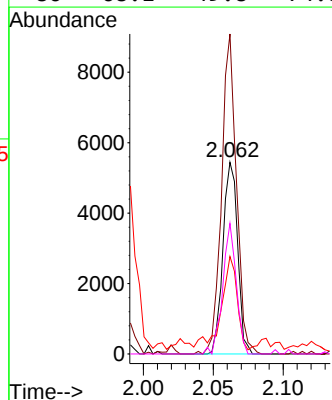
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Dadoda

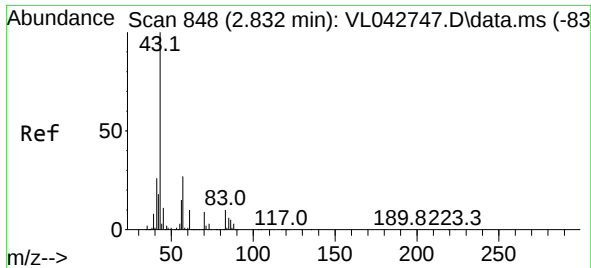
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#20
Methylene Chloride
Concen: 0.601 ppbv m
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 84 Resp: 3980
Ion Ratio Lower Upper
84 100
49 166.9 138.6 208.0
51 50.8 40.6 61.0
86 68.1 49.8 74.8





#25
Ethyl Acetate
Concen: 5.131 ppbv
RT: 2.832 min Scan# 846
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

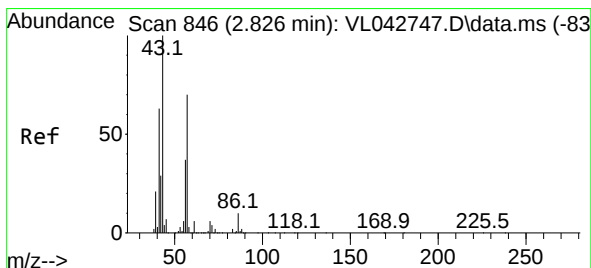
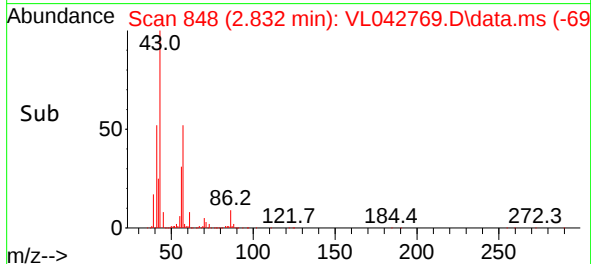
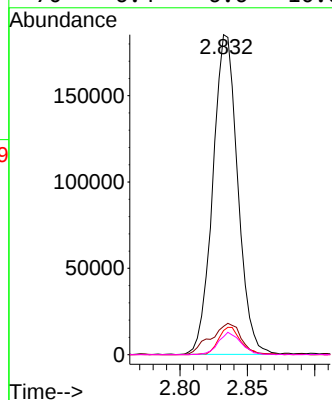
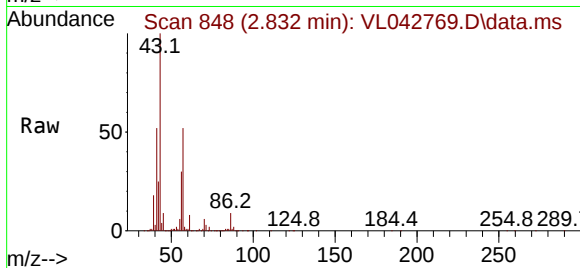
Tgt Ion: 43 Resp: 23860
Ion Ratio Lower Upper
43 100
45 12.2 7.8 11.6
61 7.8 6.7 10.1
70 6.4 6.6 10.0

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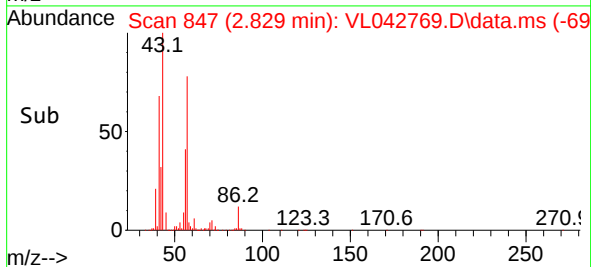
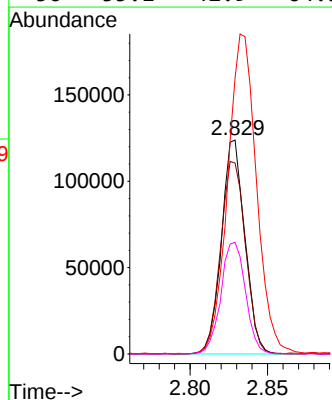
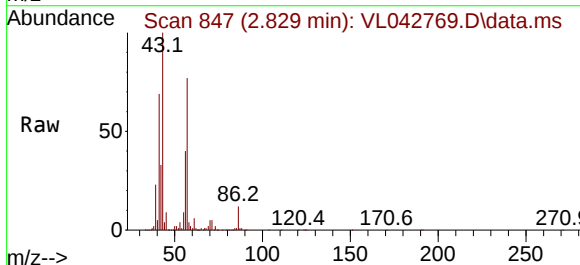
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Supervised By :Mahesh
Dadoda

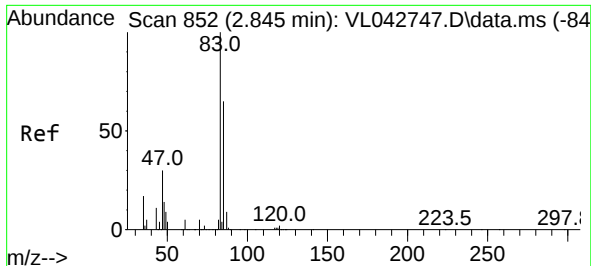
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#26
Hexane
Concen: 6.389 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 57 Resp: 130342
Ion Ratio Lower Upper
57 100
41 96.2 75.4 113.2
43 184.3 185.0 277.6
56 55.1 42.9 64.3





#29

Chloroform

Concen: 0.659 ppbv

RT: 2.848 min Scan# 853

Delta R.T. 0.003 min

Lab File: VL042769.D

Acq: 24 Jul 2025 17:29

Instrument :

MSVOA_L

ClientSampleId :

118-IA-2

Tgt Ion: 83 Resp: 2078

Ion Ratio Lower Upper

83 100

85 65.9 52.2 78.2

Manual Integrations

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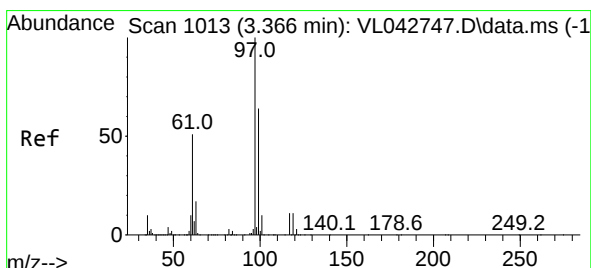
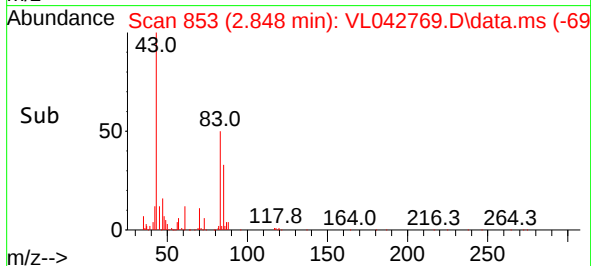
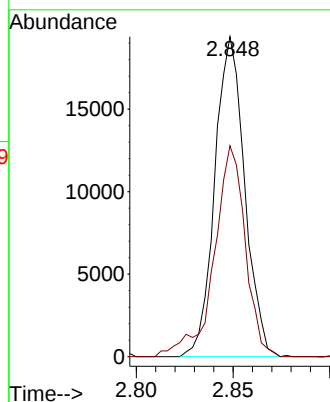
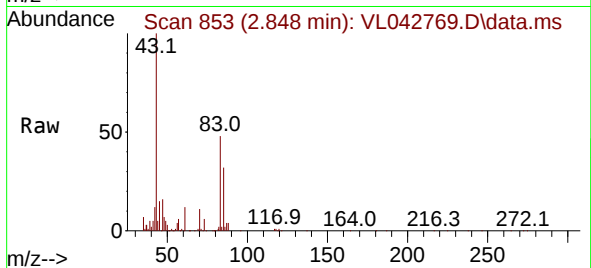
Reviewed By :Semsettin

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Supervised By :Mahesh
Dadoda

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#32

1,1,1-Trichloroethane

Concen: 0.258 ppbv

RT: 3.370 min Scan# 1014

Delta R.T. 0.003 min

Lab File: VL042769.D

Acq: 24 Jul 2025 17:29

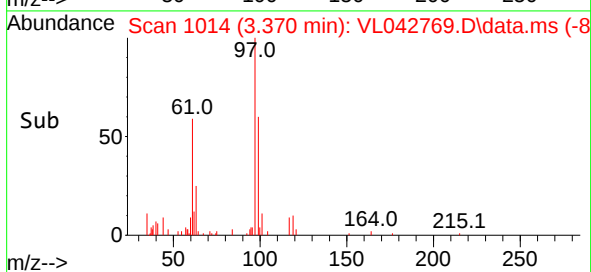
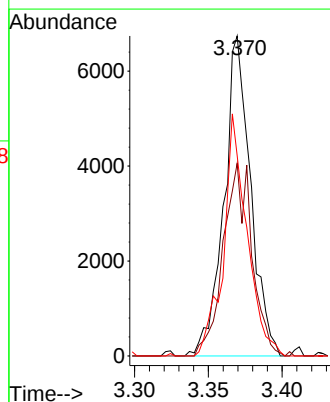
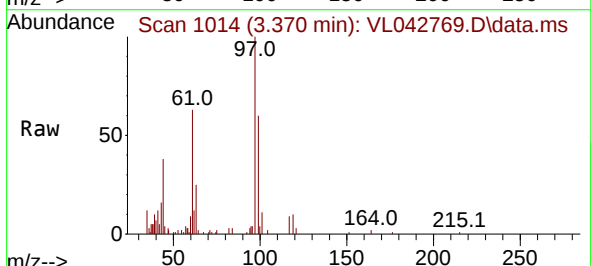
Tgt Ion: 97 Resp: 8467

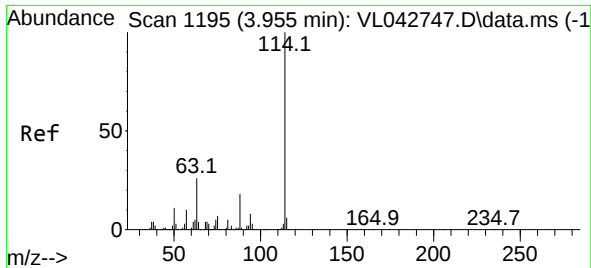
Ion Ratio Lower Upper

97 100

99 65.2 51.0 76.6

61 66.6 40.9 61.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.003 min

Lab File: VL042769.D

Acq: 24 Jul 2025 17:29

Instrument :

MSVOA_L

ClientSampleId :

118-IA-2

Tgt Ion:114	Resp: 410938
Ion Ratio	Lower Upper
114 100	
63 26.1	20.5 30.7
88 17.8	14.0 21.0

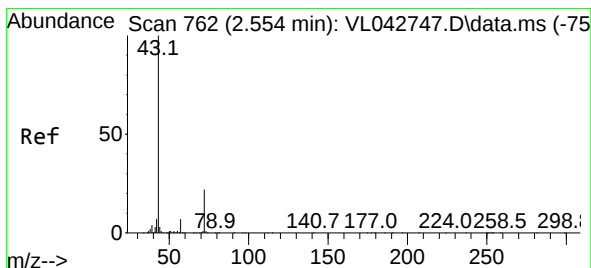
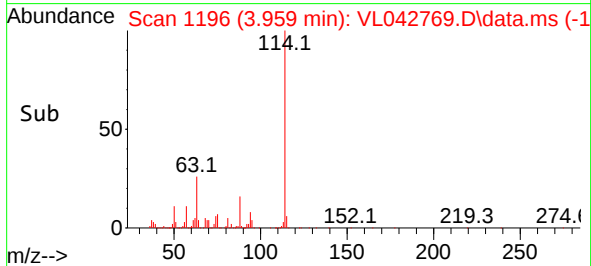
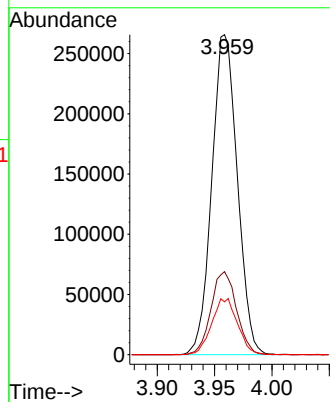
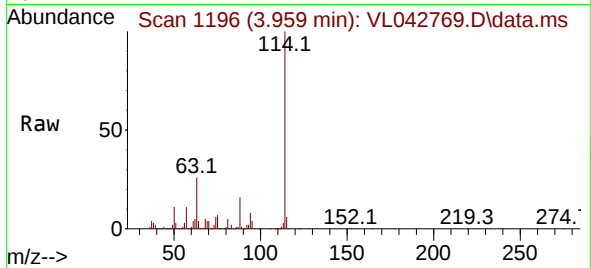
Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

07/26/2025

Supervised By :Mahesh
Dadoda

07/26/2025



#34

2-Butanone

Concen: 1.107 ppbv

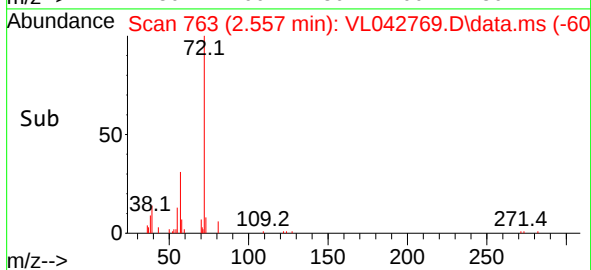
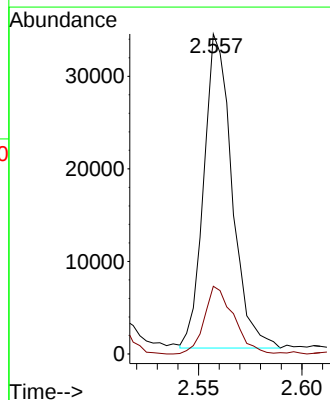
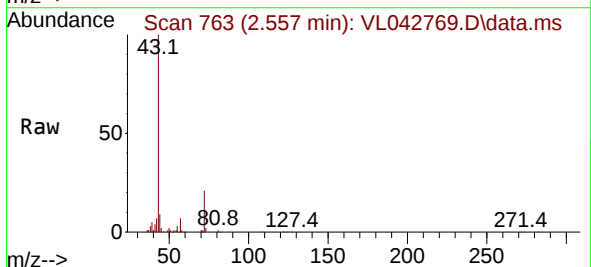
RT: 2.557 min Scan# 763

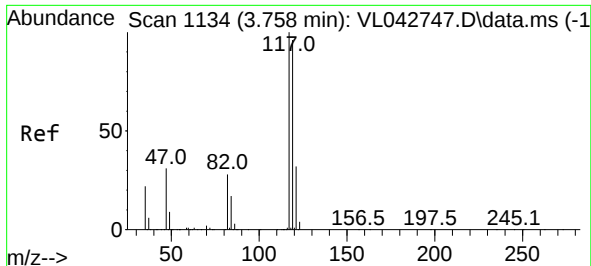
Delta R.T. 0.003 min

Lab File: VL042769.D

Acq: 24 Jul 2025 17:29

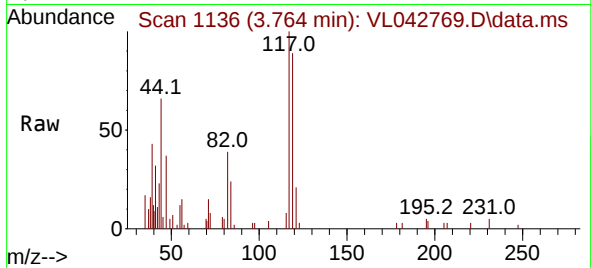
Tgt Ion: 43	Resp: 32227
Ion Ratio	Lower Upper
43 100	
72 23.1	17.4 26.0





#35
Carbon Tetrachloride
Concen: 0.111 ppbv m
RT: 3.764 min Scan# 1134
Delta R.T. 0.006 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2



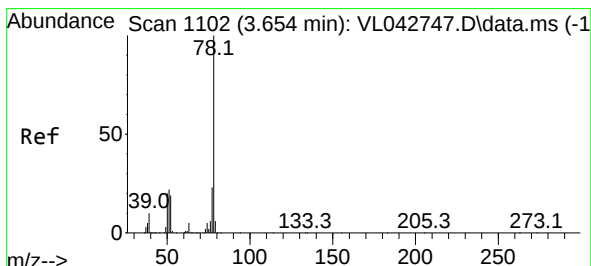
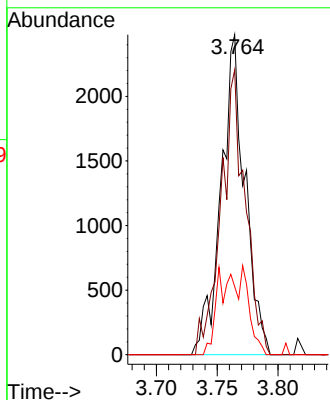
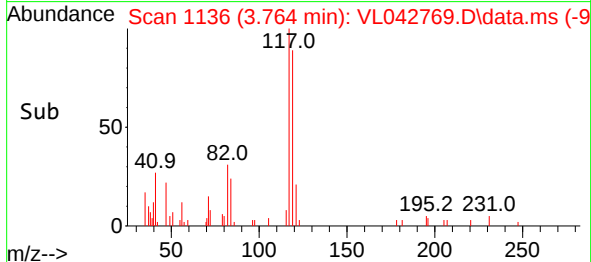
Tgt Ion: 117 Resp: 3384
Ion Ratio Lower Upper
117 100
119 89.0 77.1 115.7
121 21.3 25.5 38.3

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Reviewed By :Semsettin
Yesilyurt

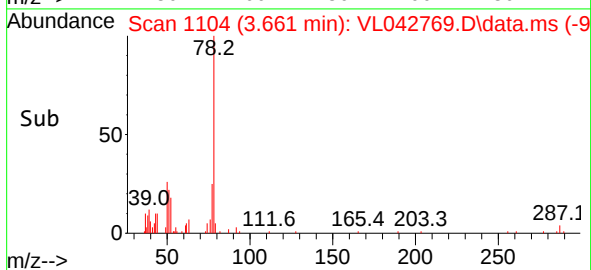
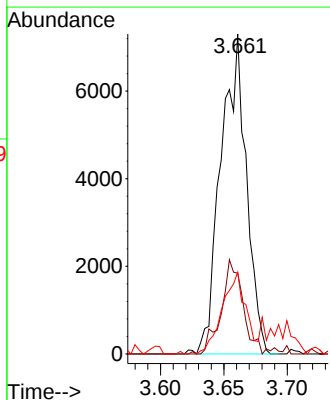
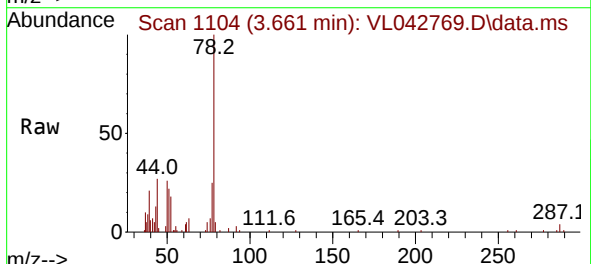
07/26/2025
Supervised By :Mahesh
Dadoda

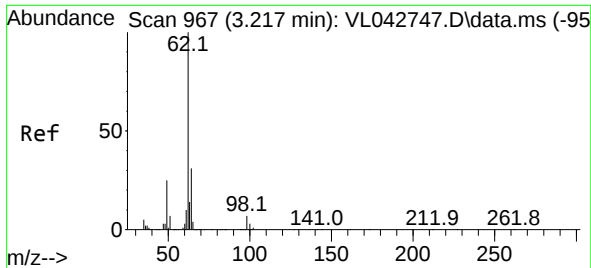
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#36
Benzene
Concen: 0.263 ppbv m
RT: 3.661 min Scan# 1104
Delta R.T. 0.006 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

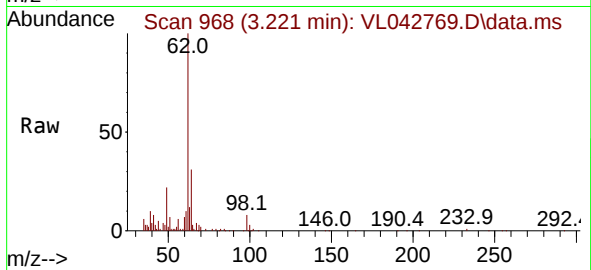
Tgt Ion: 78 Resp: 10259
Ion Ratio Lower Upper
78 100
77 25.2 18.5 27.7
50 25.5 16.2 24.2





#37
1,2-Dichloroethane
Concen: 1.099 ppbv
RT: 3.221 min Scan# 968
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2



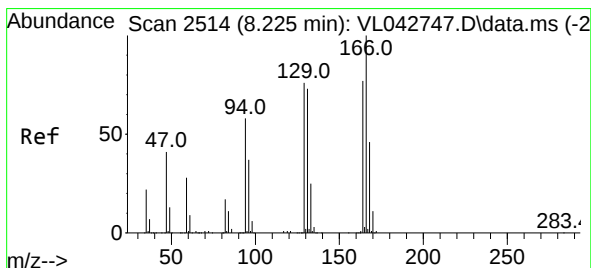
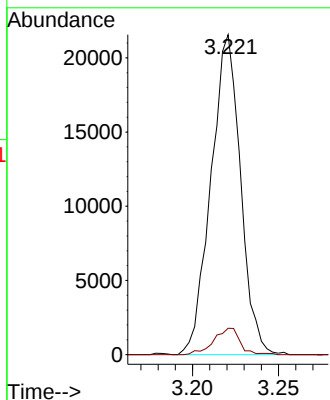
Tgt Ion: 62 Resp: 2579
Ion Ratio Lower Upper
62 100
98 7.4 5.2 7.8

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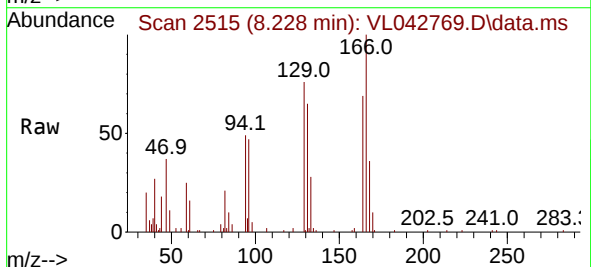
Reviewed By :Semsettin
Yesilyurt

07/26/2025
Supervised By :Mahesh
Dadoda

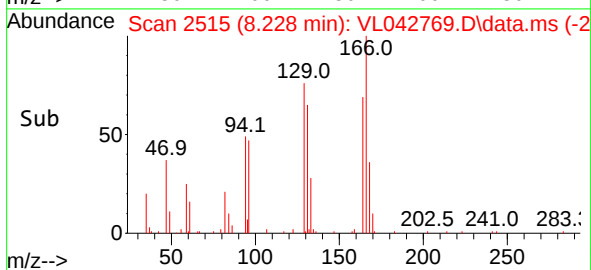
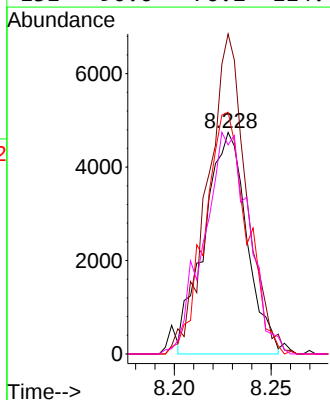
07/26/2025

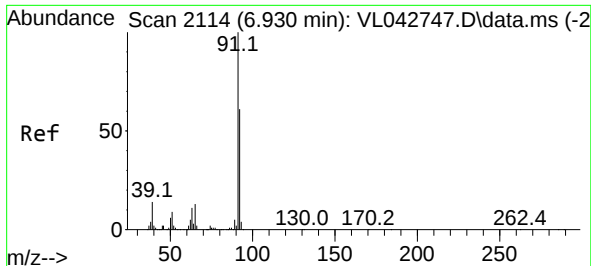


#52
Tetrachloroethene
Concen: 0.448 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29



Tgt Ion:164 Resp: 7237
Ion Ratio Lower Upper
164 100
166 138.9 104.0 156.0
129 108.0 79.2 118.8
131 90.6 76.2 114.4





#53
Toluene
Concen: 1.583 ppbv
RT: 6.936 min Scan# 2114
Delta R.T. 0.006 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

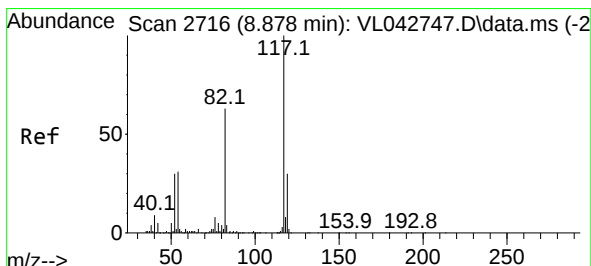
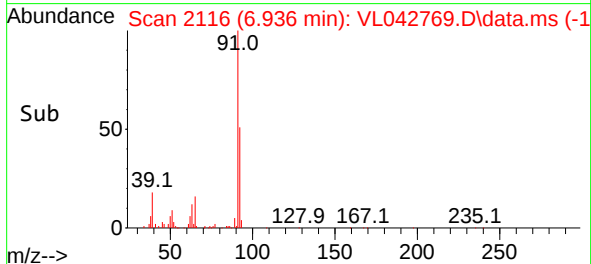
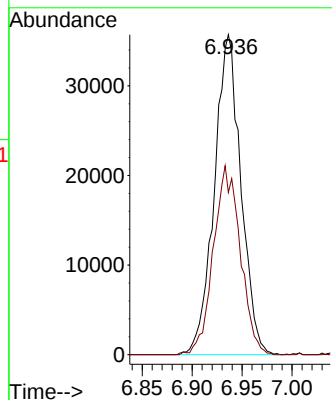
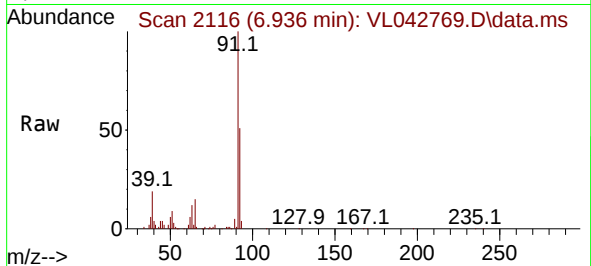
Tgt Ion: 91 Resp: 66210
Ion Ratio Lower Upper
91 100
92 59.6 48.0 72.0

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Reviewed By :Semsettin
Yesilyurt

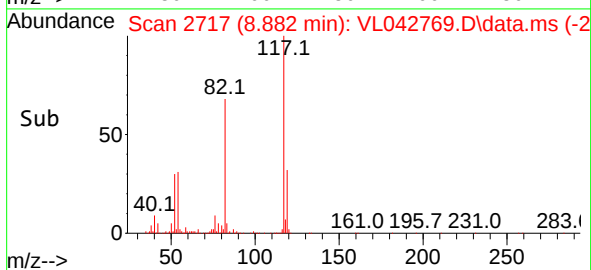
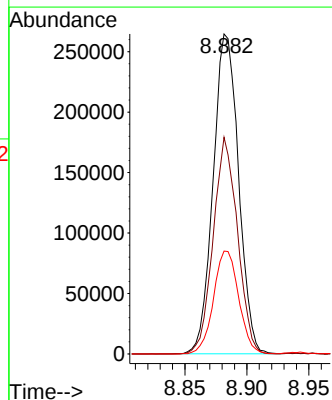
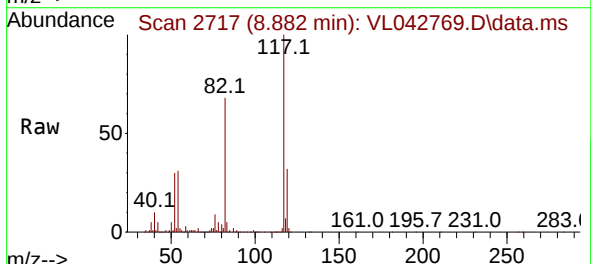
07/26/2025
Supervised By :Mahesh
Dadoda

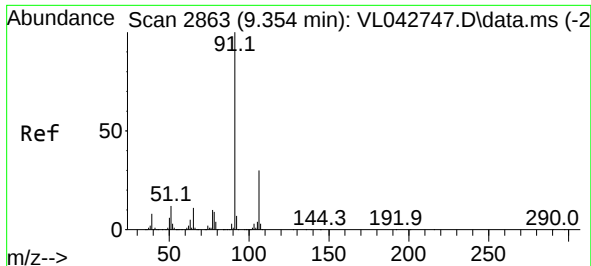
07/26/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion:117 Resp: 378371
Ion Ratio Lower Upper
117 100
82 64.9 53.3 79.9
119 32.0 25.8 38.6





#58
Ethyl Benzene
Concen: 0.206 ppbv
RT: 9.354 min Scan# 2118
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

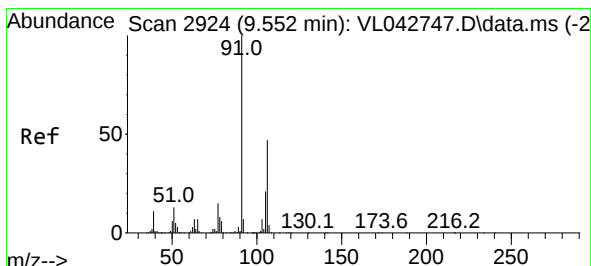
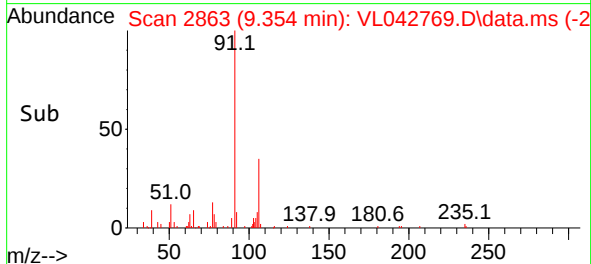
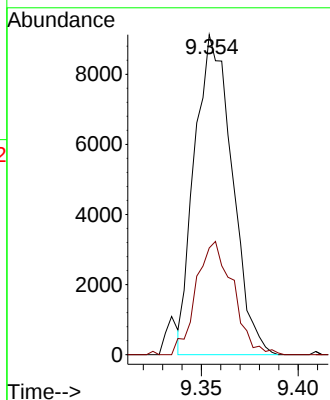
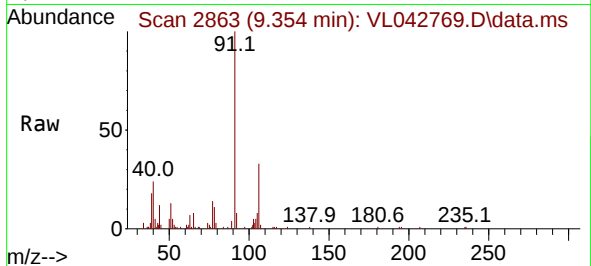
Tgt Ion: 91 Resp: 12289
Ion Ratio Lower Upper
91 100
106 32.8 23.8 35.6

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

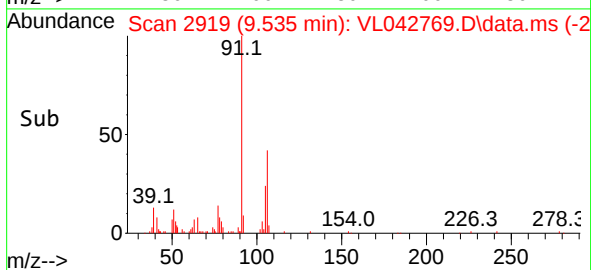
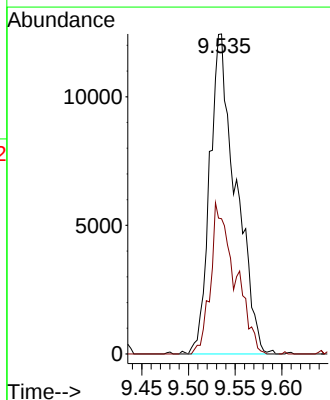
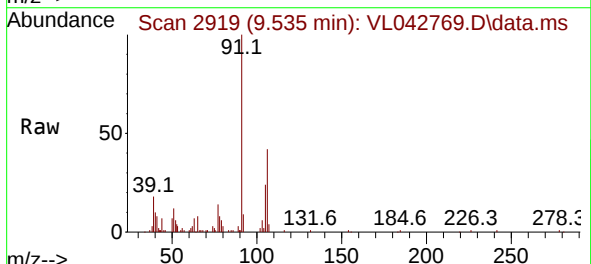
07/26/2025
Supervised By :Mahesh
Dadoda

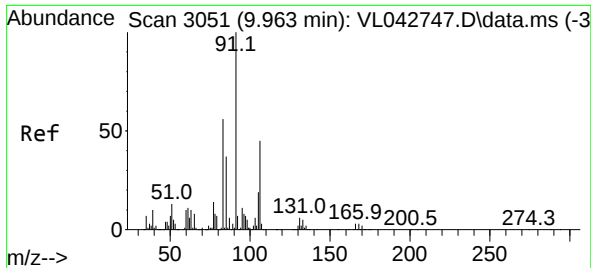
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#59
m/p-Xylene
Concen: 0.507 ppbv m
RT: 9.535 min Scan# 2919
Delta R.T. -0.016 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 91 Resp: 24196
Ion Ratio Lower Upper
91 100
106 0.0 37.4 56.2#





#60
o-Xylene
Concen: 0.225 ppbv
RT: 9.966 min Scan# 3051
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_1
ClientSampleId :
118-IA-2

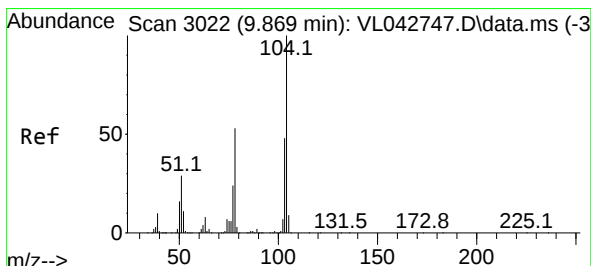
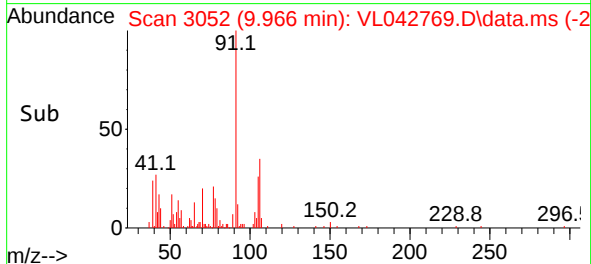
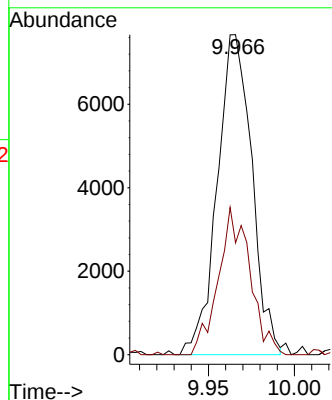
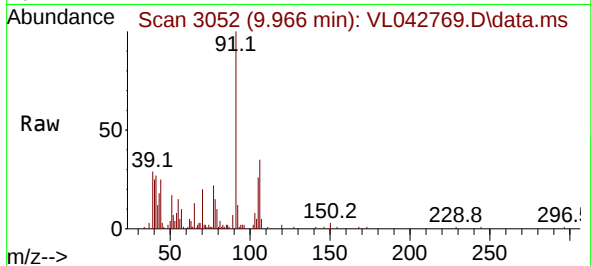
Tgt Ion: 91 Resp: 1071
Ion Ratio Lower Upper
91 100
106 42.0 22.0 66.0

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

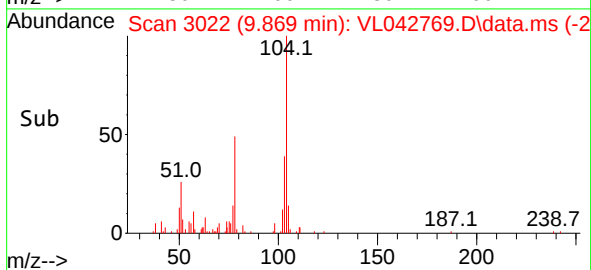
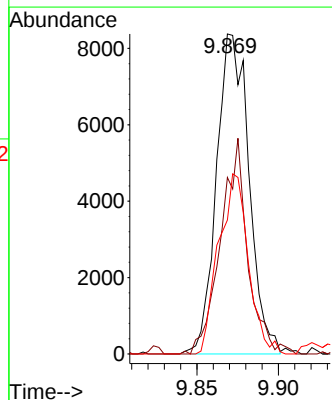
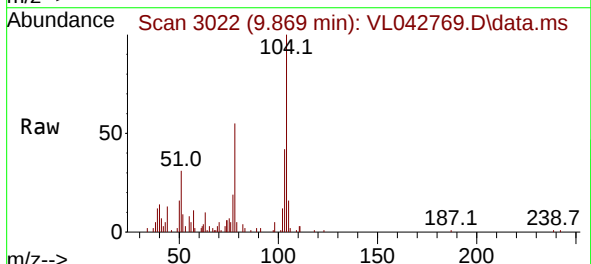
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Supervised By :Mahesh
Dadoda

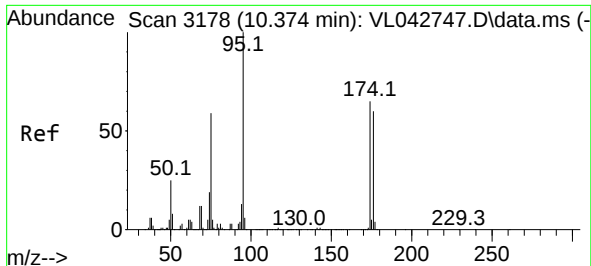
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#61
Styrene
Concen: 0.576 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

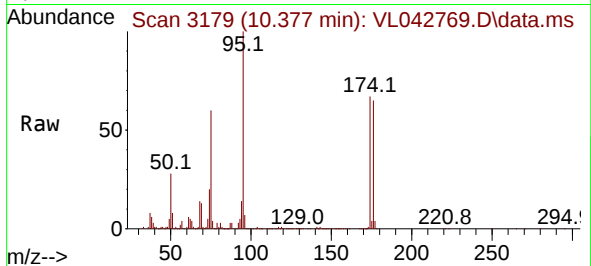
Tgt Ion:104 Resp: 11559
Ion Ratio Lower Upper
104 100
78 57.2 41.5 62.3
103 51.7 37.5 56.3





#68
1-Bromo-4-Fluorobenzene
Concen: 10.147 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2



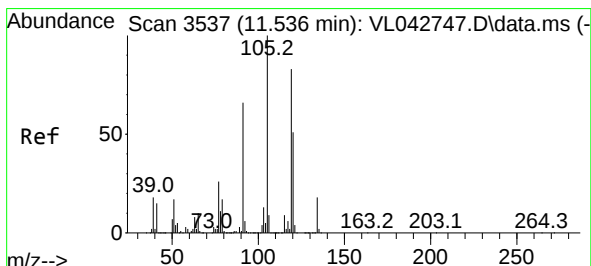
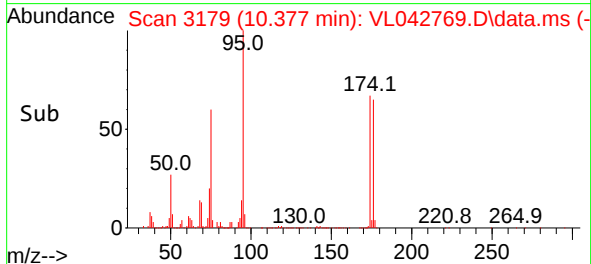
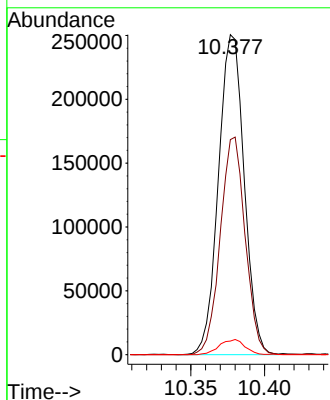
Tgt Ion: 95 Resp: 30404
Ion Ratio Lower Upper
95 100
174 66.0 53.8 80.6
175 4.8 4.0 6.0

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Reviewed By :Semsettin
Yesilyurt

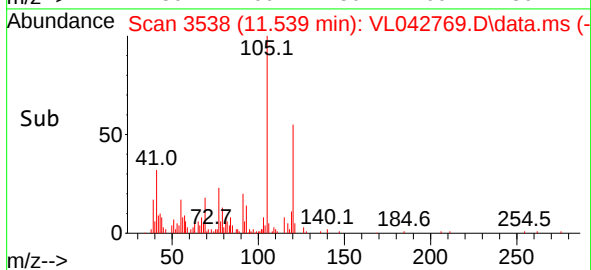
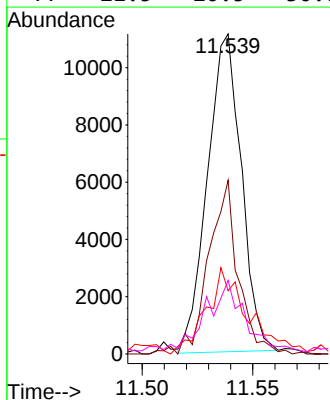
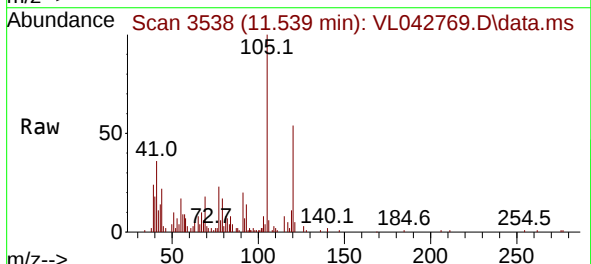
07/26/2025
Supervised By :Mahesh
Dadoda

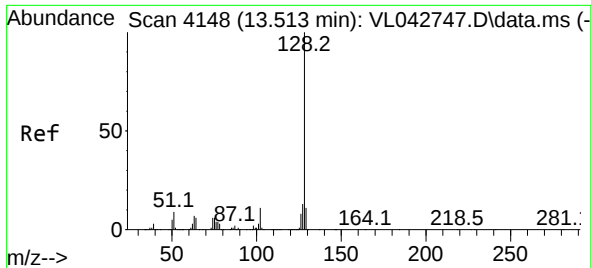
07/26/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.231 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

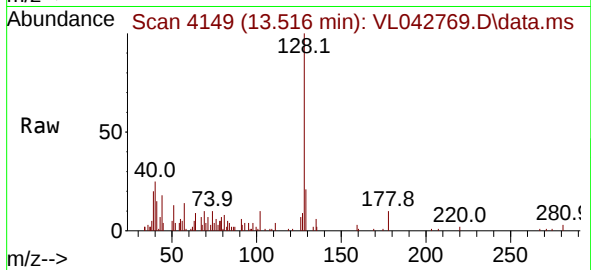
Tgt Ion:105 Resp: 11842
Ion Ratio Lower Upper
105 100
120 54.2 40.8 61.2
91 17.6 53.0 79.4#
77 21.5 20.5 30.7





#79
Naphthalene
Concen: 0.526 ppbv
RT: 13.516 min Scan# 4149
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2



Tgt Ion:128 Resp: 5307
Ion Ratio Lower Upper
128 100
127 9.0 10.5 15.7
129 20.7 8.6 13.0

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

07/26/2025
Supervised By :Mahesh
Dadoda

07/26/2025

