

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111325\
 Data File : VL043194.D
 Acq On : 13 Nov 2025 11:52
 Operator : SY/MD
 Sample : Q3627-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 UNIT-7-IA-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2025
 Supervised By :Mahesh Dadoda 11/18/2025

Quant Time: Nov 14 04:37:50 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

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

QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	144607	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	396555	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.892	117	342186	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.384	95	278374	10.466	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	8556	0.416	ppbv	96
4) Chloromethane	1.538	50	3563	0.437	ppbv #	82
9) Propene	1.489	41	7778	0.788	ppbv	97
10) Heptane	5.001	43	3114m	0.110	ppbv	
11) Trichlorofluoromethane	1.884	101	5979	0.297	ppbv	96
13) Ethanol	1.726	45	529858	145.204	ppbv	97
15) Acetone	1.842	43	123766	6.350	ppbv	97
19) Isopropyl Alcohol	1.891	45	1775861	146.290	ppbv #	37
20) Methylene Chloride	2.069	84	6423	0.834	ppbv	95
25) Ethyl Acetate	2.846	43	112486m	2.327	ppbv	
26) Hexane	2.836	57	36703	1.648	ppbv #	65
34) 2-Butanone	2.567	43	13729	0.515	ppbv	99
35) Carbon Tetrachloride	3.775	117	2592m	0.091	ppbv	
36) Benzene	3.668	78	7434	0.199	ppbv #	86
41) Tetrahydrofuran	3.072	42	2246m	0.151	ppbv	
50) 4-Methyl-2-Pentanone	5.775	43	47950m	1.303	ppbv	
52) Tetrachloroethene	8.238	164	1134m	0.084	ppbv	
53) Toluene	6.943	91	49889m	1.125	ppbv	
58) Ethyl Benzene	9.367	91	17904	0.305	ppbv	100
59) m/p-Xylene	9.549	91	5060m	0.108	ppbv	
61) Styrene	9.879	104	12213	0.585	ppbv	94

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

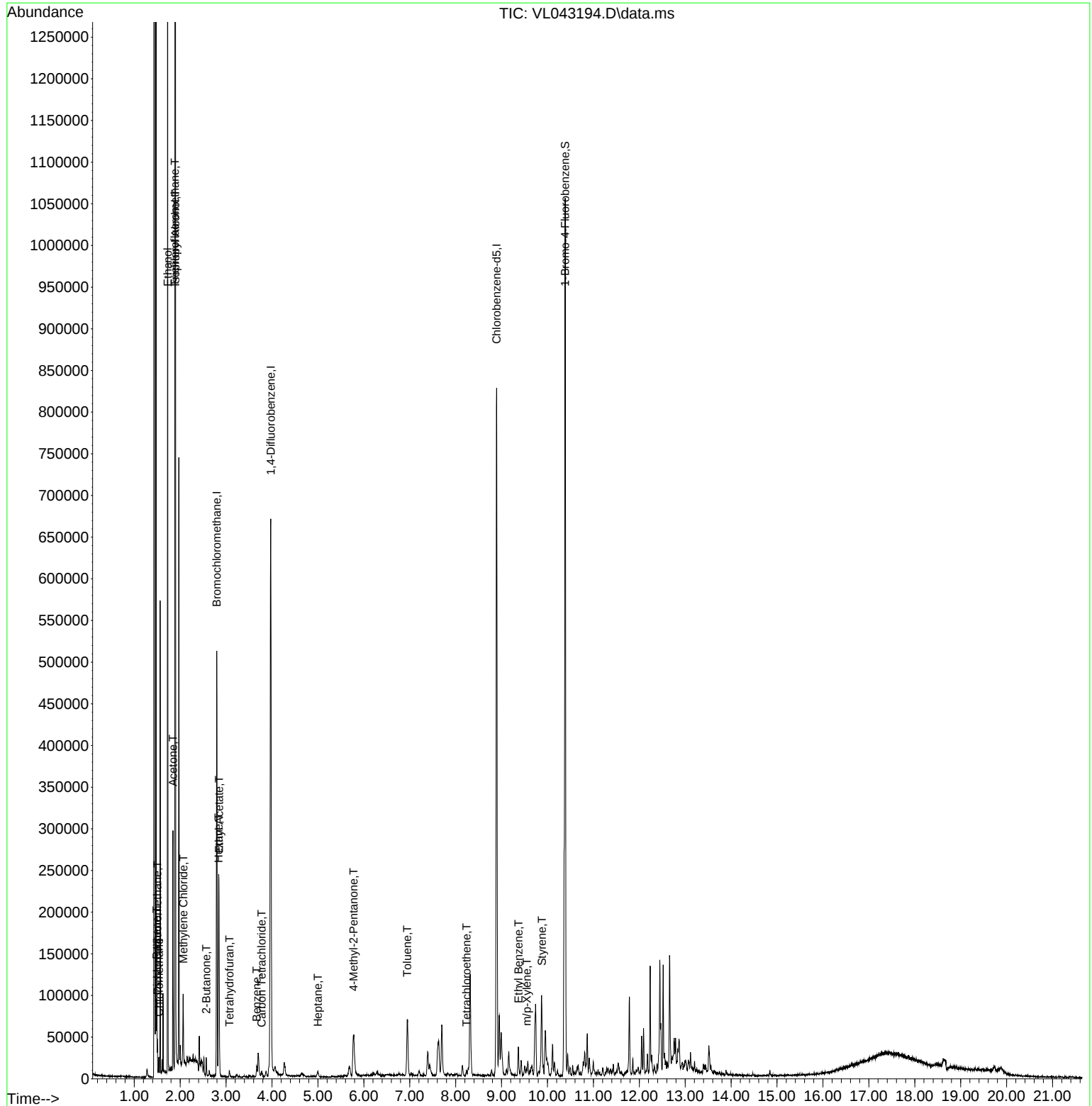
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111325\
Data File : VL043194.D
Acq On : 13 Nov 2025 11:52
Operator : SY/MD
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

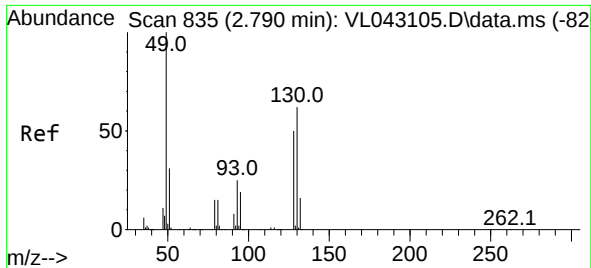
Instrument :
MSVOA_L
ClientSampleId :
UNIT-7-IA-1

Quant Time: Nov 14 04:37:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Manual Integrations
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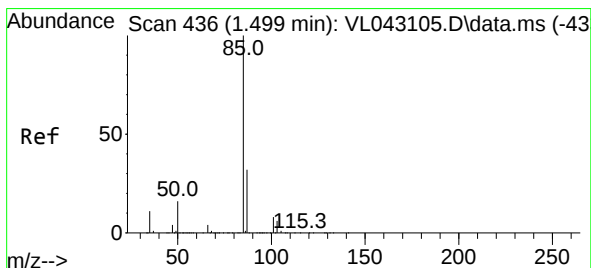
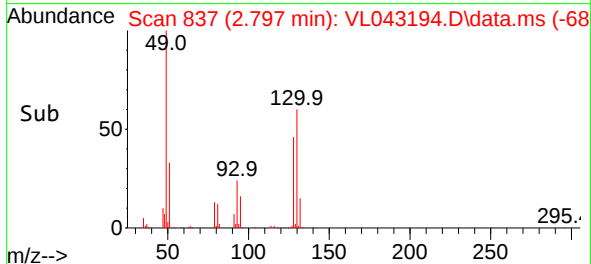
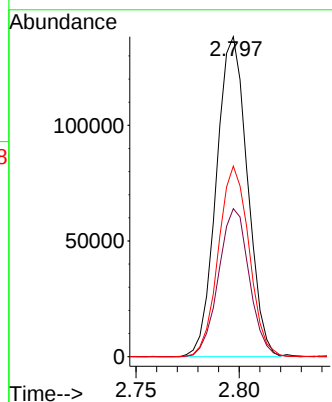
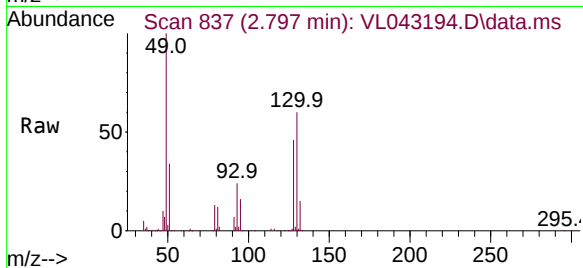
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 835
Delta R.T. 0.007 min
Lab File: VL043194.D
Acq: 13 Nov 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
UNIT-7-IA-1

Tgt Ion: 49 Resp: 144607
Ion Ratio Lower Upper
49 100
128 45.7 24.4 73.4
130 58.9 31.0 93.0

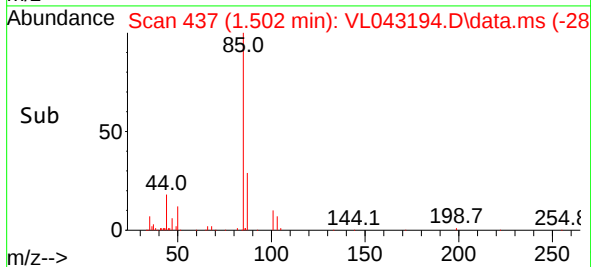
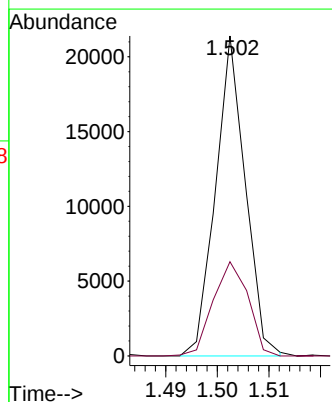
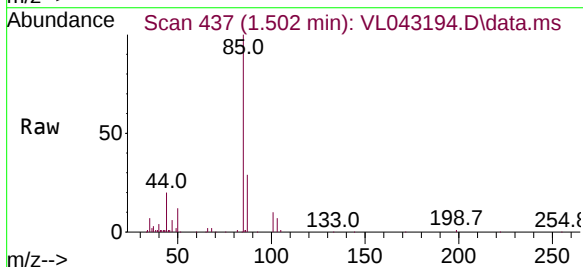
Manual Integrations
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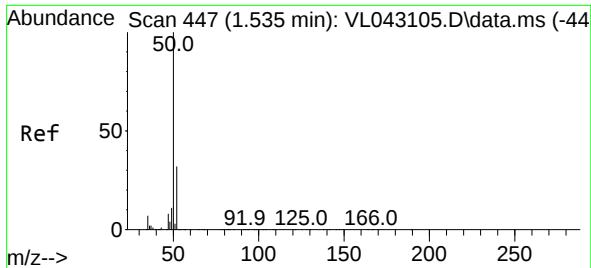
Reviewed By :Semsettin Yesilyurt 11/17/2025
Supervised By :Mahesh Dadoda 11/18/2025



#2
Dichlorodifluoromethane
Concen: 0.416 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043194.D
Acq: 13 Nov 2025 11:52

Tgt Ion: 85 Resp: 8556
Ion Ratio Lower Upper
85 100
87 29.4 25.3 37.9





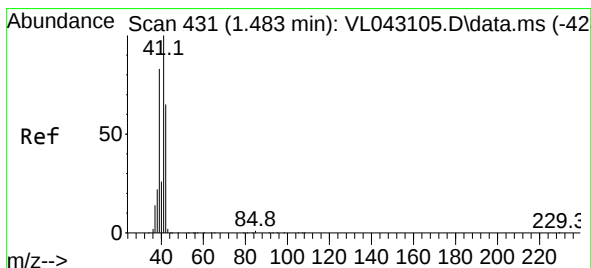
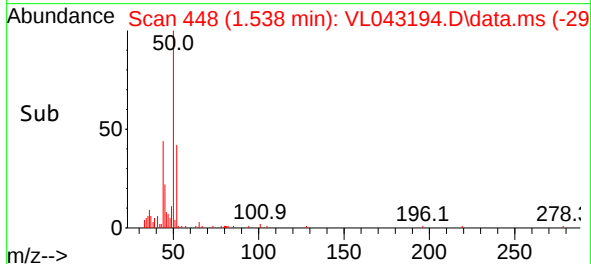
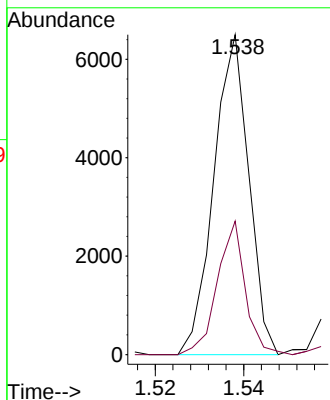
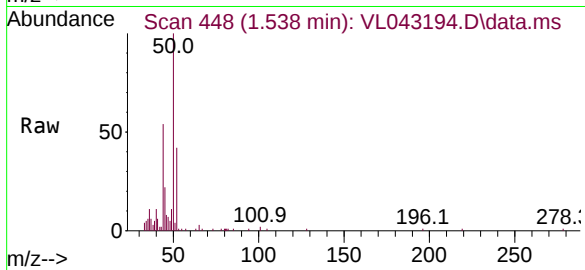
#4
Chloromethane
Concen: 0.437 ppbv
RT: 1.538 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043194.D
Acq: 13 Nov 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
UNIT-7-IA-1

Tgt Ion: 50 Resp: 3563
Ion Ratio Lower Upper
50 100
52 41.7 25.2 37.8

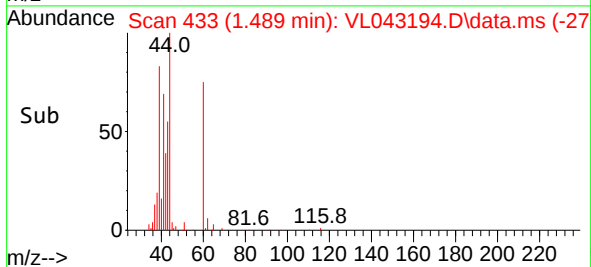
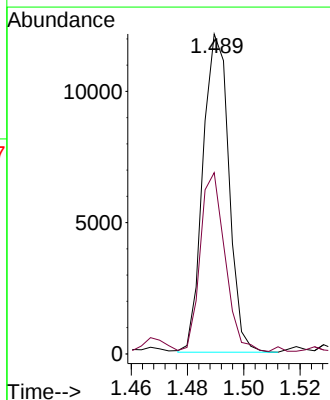
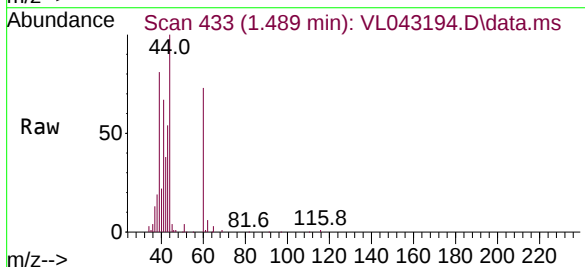
Manual Integrations
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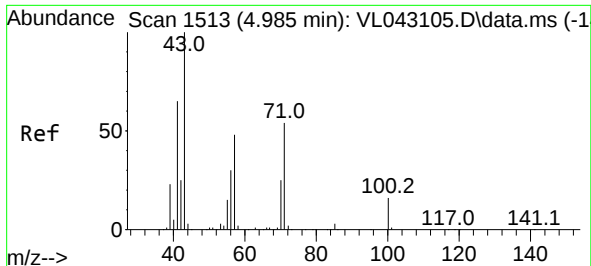
Reviewed By :Semsettin Yesilyurt 11/17/2025
Supervised By :Mahesh Dadoda 11/18/2025



#9
Propene
Concen: 0.788 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.007 min
Lab File: VL043194.D
Acq: 13 Nov 2025 11:52

Tgt Ion: 41 Resp: 7778
Ion Ratio Lower Upper
41 100
42 66.8 55.1 82.7





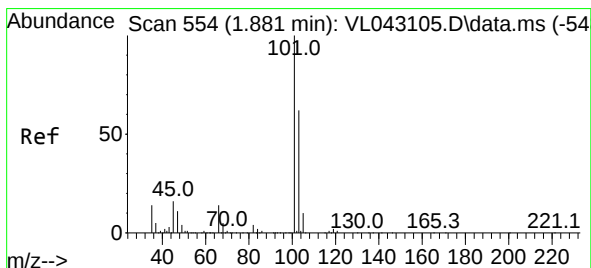
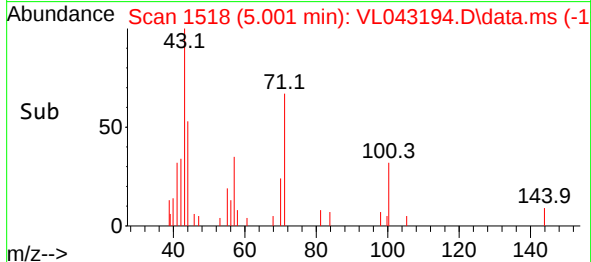
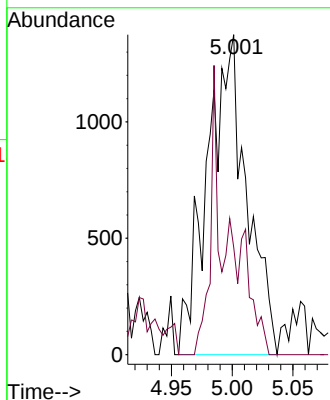
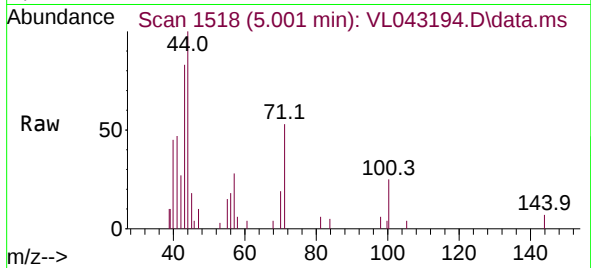
#10
Heptane
Concen: 0.110 ppbv m
RT: 5.001 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL043194.D
Acq: 13 Nov 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
UNIT-7-IA-1

Tgt Ion: 43 Resp: 3114
Ion Ratio Lower Upper
43 100
57 0.0 40.8 61.2

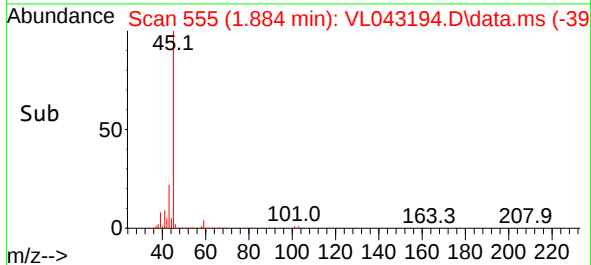
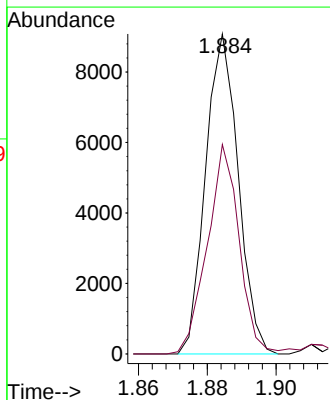
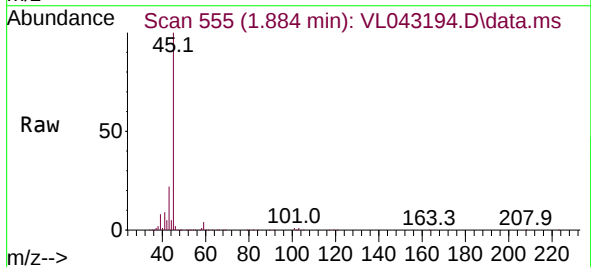
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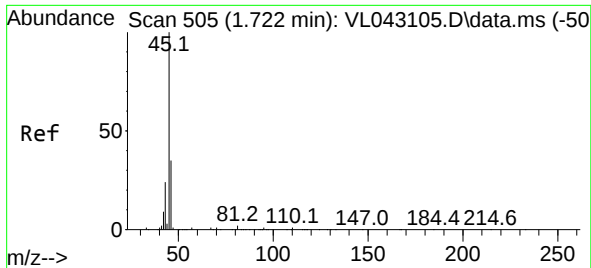
Reviewed By :Semsettin Yesilyurt 11/17/2025
Supervised By :Mahesh Dadoda 11/18/2025



#11
Trichlorofluoromethane
Concen: 0.297 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL043194.D
Acq: 13 Nov 2025 11:52

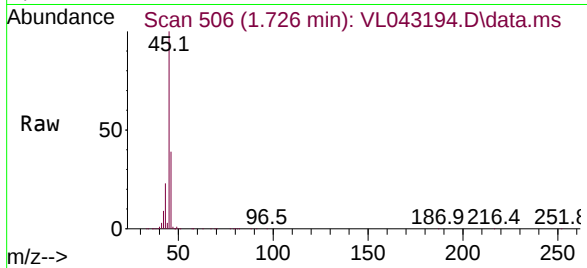
Tgt Ion:101 Resp: 5979
Ion Ratio Lower Upper
101 100
103 64.8 49.3 73.9





#13
Ethanol
Concen: 145.204 ppbv
RT: 1.726 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL043194.D
Acq: 13 Nov 2025 11:52

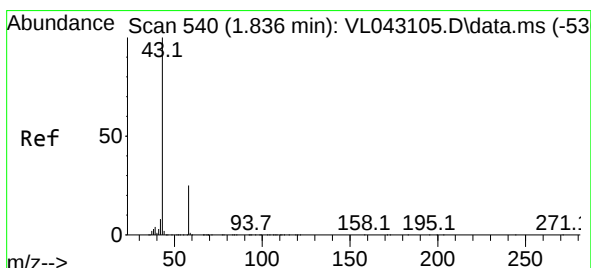
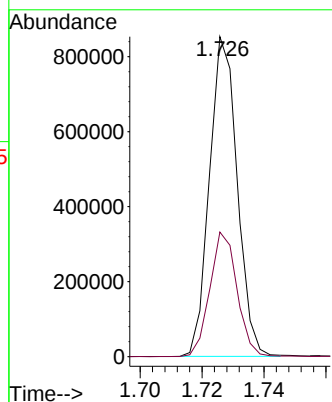
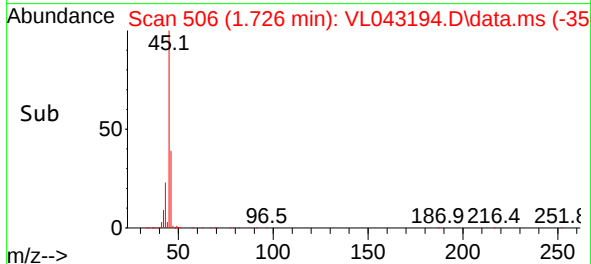
Instrument :
MSVOA_L
ClientSampleId :
UNIT-7-IA-1



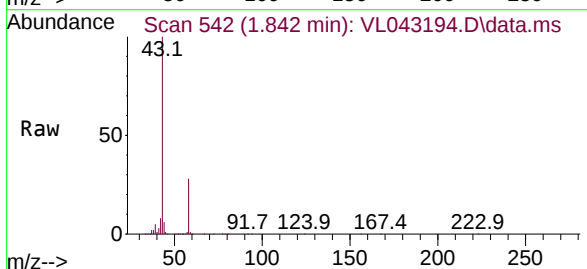
Tgt Ion: 45 Resp: 529858
Ion Ratio Lower Upper
45 100
46 38.6 14.7 58.9

Manual Integrations
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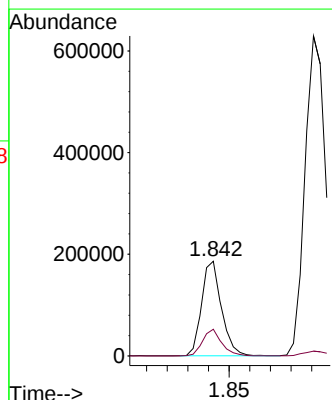
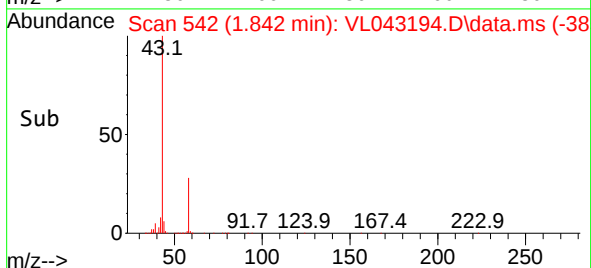
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Supervised By :Mahesh Dadoda 11/18/2025

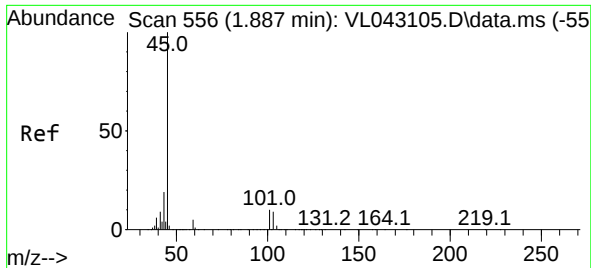


#15
Acetone
Concen: 6.350 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.007 min
Lab File: VL043194.D
Acq: 13 Nov 2025 11:52



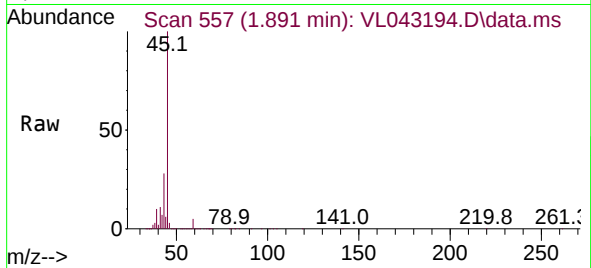
Tgt Ion: 43 Resp: 123766
Ion Ratio Lower Upper
43 100
58 27.3 20.8 31.2





#19
Isopropyl Alcohol
Concen: 146.290 ppbv
RT: 1.891 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL043194.D
Acq: 13 Nov 2025 11:52

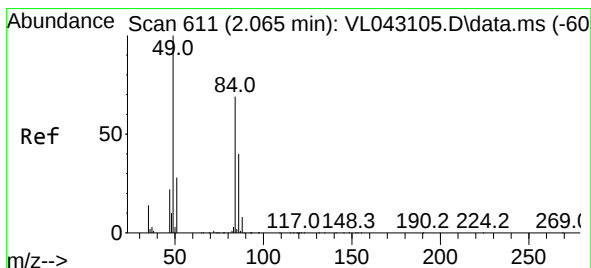
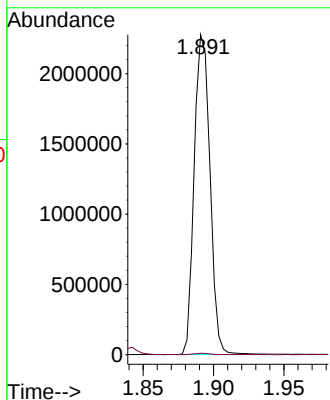
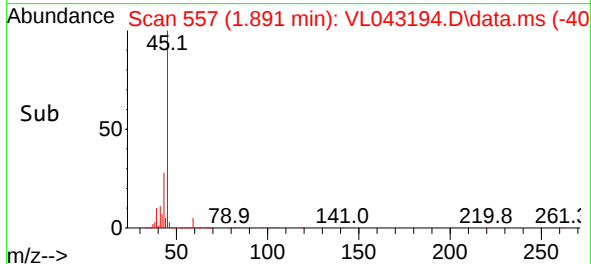
Instrument :
MSVOA_L
ClientSampleId :
UNIT-7-IA-1



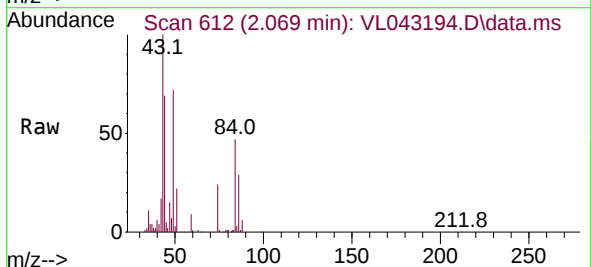
Tgt Ion: 45 Resp: 1775863
Ion Ratio Lower Upper
45 100
58 0.4 31.3 46.9

Manual Integrations
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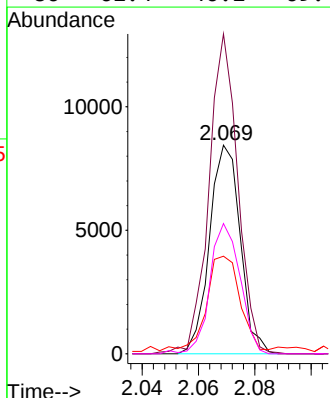
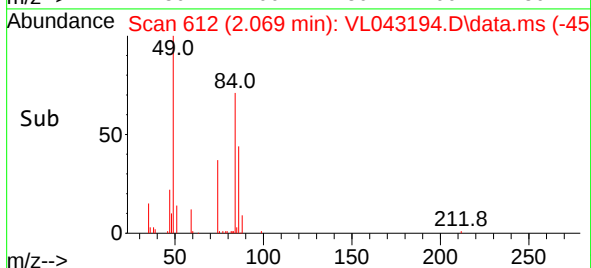
Reviewed By :Semsettin Yesilyurt 11/17/2025
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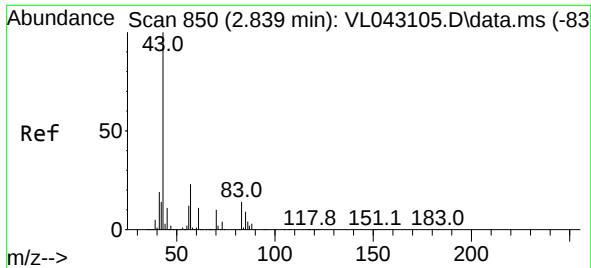


#20
Methylene Chloride
Concen: 0.834 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.003 min
Lab File: VL043194.D
Acq: 13 Nov 2025 11:52



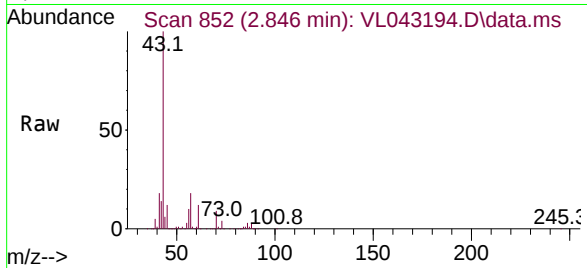
Tgt Ion: 84 Resp: 6423
Ion Ratio Lower Upper
84 100
49 152.6 116.6 175.0
51 44.2 34.8 52.2
86 62.4 46.2 69.4





#25
Ethyl Acetate
Concen: 2.327 ppbv m
RT: 2.846 min Scan# 849
Delta R.T. 0.007 min
Lab File: VL043194.D
Acq: 13 Nov 2025 11:52

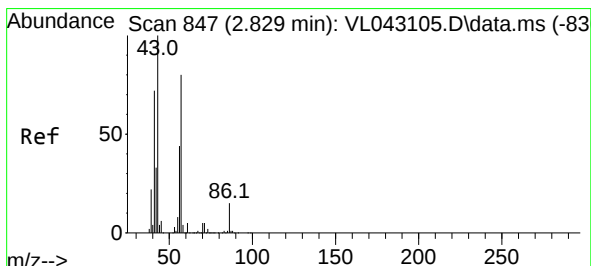
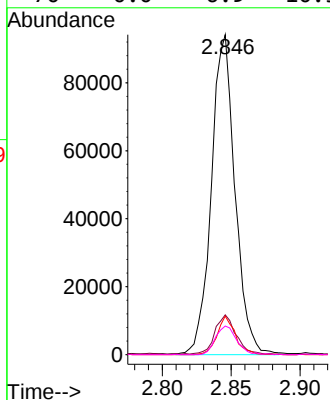
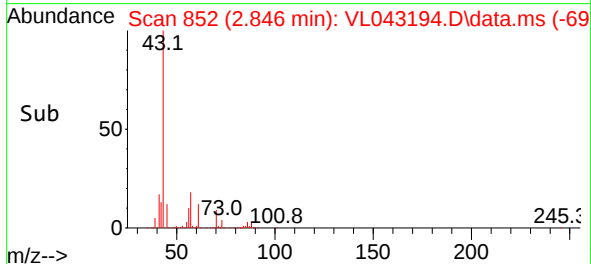
Instrument :
MSVOA_L
ClientSampleId :
UNIT-7-IA-1



Tgt Ion: 43 Resp: 112486
Ion Ratio Lower Upper
43 100
45 0.0 7.8 11.8
61 0.0 7.0 10.6
70 0.0 6.9 10.3

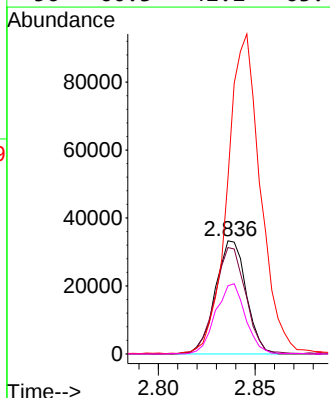
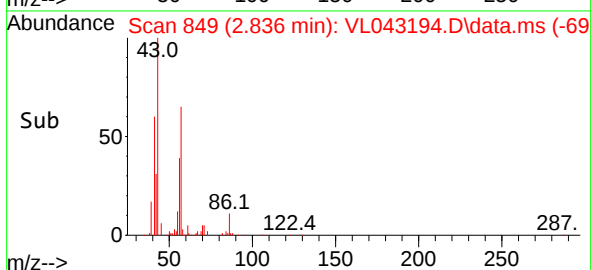
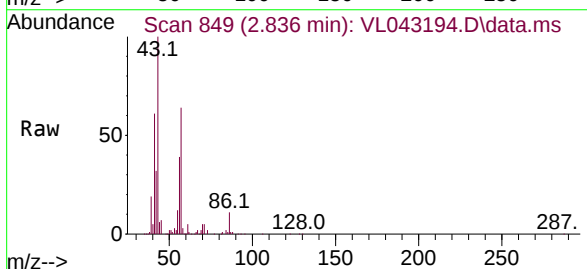
Manual Integrations
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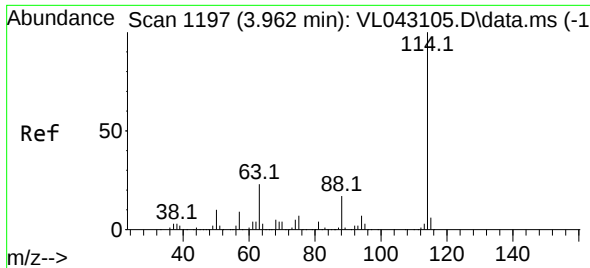
Reviewed By :Semsettin Yesilyurt 11/17/2025
Supervised By :Mahesh Dadoda 11/18/2025



#26
Hexane
Concen: 1.648 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.007 min
Lab File: VL043194.D
Acq: 13 Nov 2025 11:52

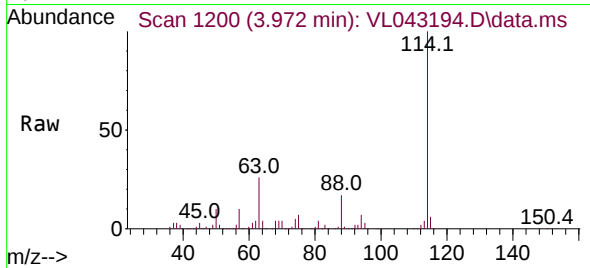
Tgt Ion: 57 Resp: 36703
Ion Ratio Lower Upper
57 100
41 95.9 71.4 107.0
43 307.6 178.5 267.7
56 60.3 42.2 63.4





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.972 min Scan# 1197
Delta R.T. 0.010 min
Lab File: VL043194.D
Acq: 13 Nov 2025 11:52

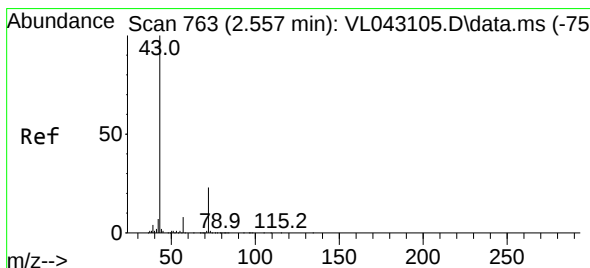
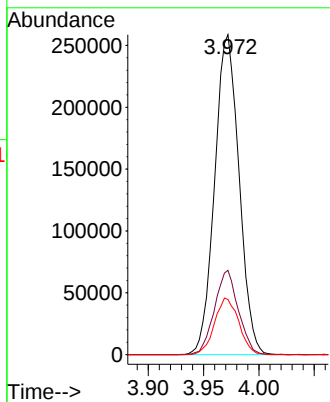
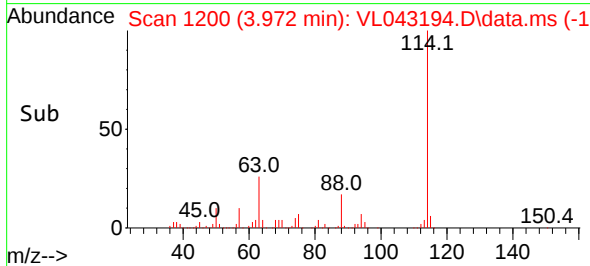
Instrument :
MSVOA_L
ClientSampleId :
UNIT-7-IA-1



Tgt Ion:114 Resp: 39655
Ion Ratio Lower Upper
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63 25.8 19.3 28.9
88 17.6 13.9 20.9

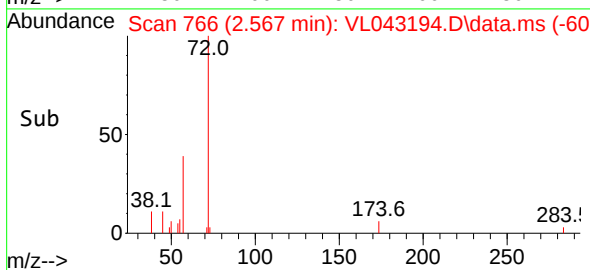
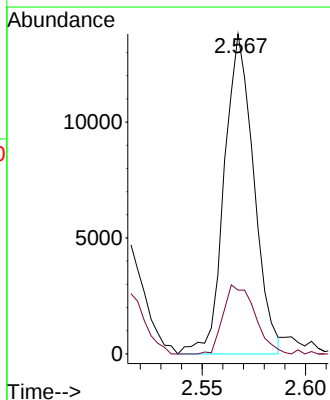
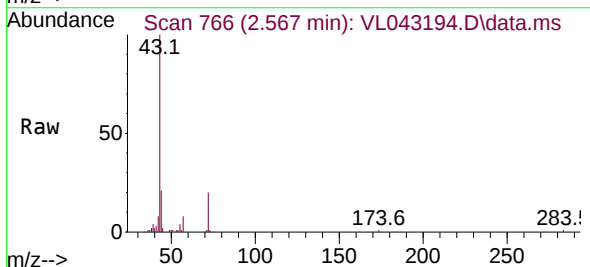
Manual Integrations
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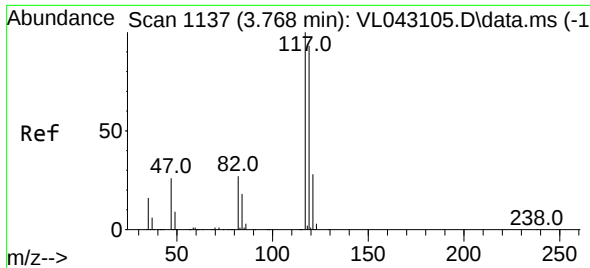
Reviewed By :Semsettin Yesilyurt 11/17/2025
Supervised By :Mahesh Dadoda 11/18/2025



#34
2-Butanone
Concen: 0.515 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.010 min
Lab File: VL043194.D
Acq: 13 Nov 2025 11:52

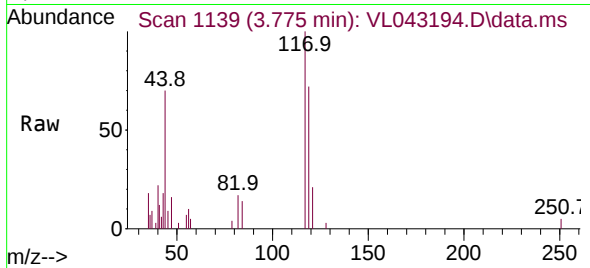
Tgt Ion: 43 Resp: 13729
Ion Ratio Lower Upper
43 100
72 23.5 18.4 27.6





#35
Carbon Tetrachloride
Concen: 0.091 ppbv m
RT: 3.775 min Scan# 1137
Delta R.T. 0.007 min
Lab File: VL043194.D
Acq: 13 Nov 2025 11:52

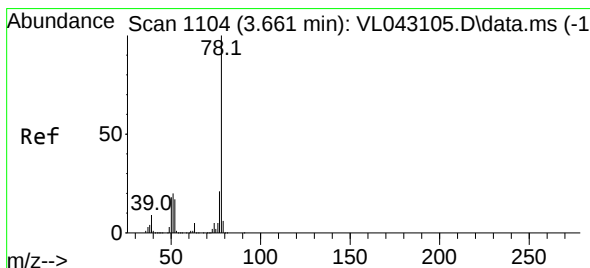
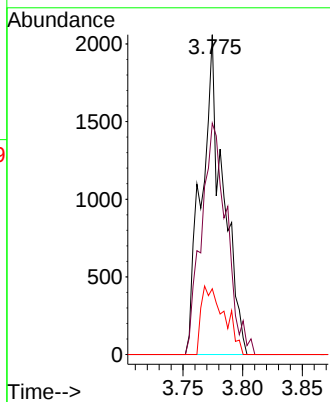
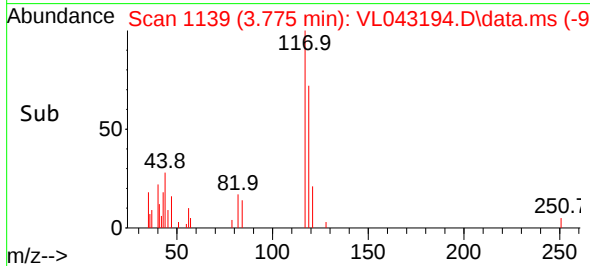
Instrument :
MSVOA_L
ClientSampleId :
UNIT-7-IA-1



Tgt Ion: 117 Resp: 2592
Ion Ratio Lower Upper
117 100
119 72.3 74.1 111.1#
121 20.6 22.2 33.2#

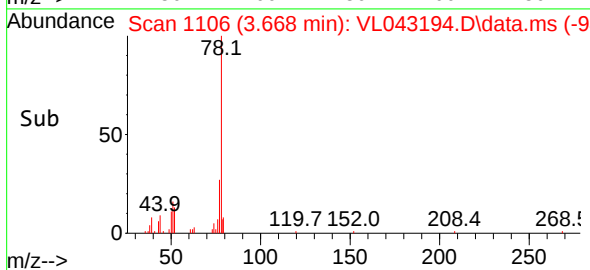
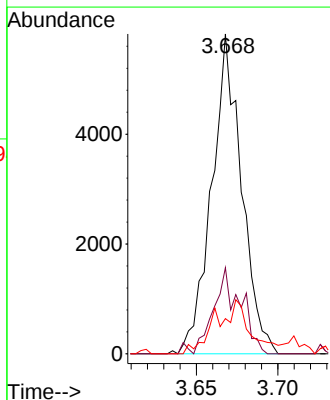
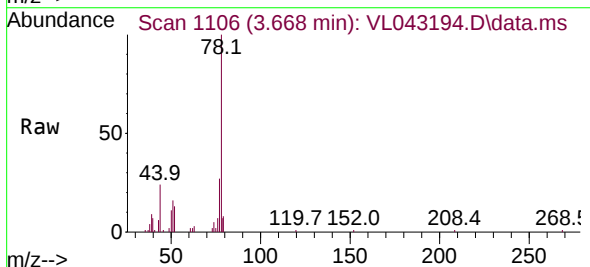
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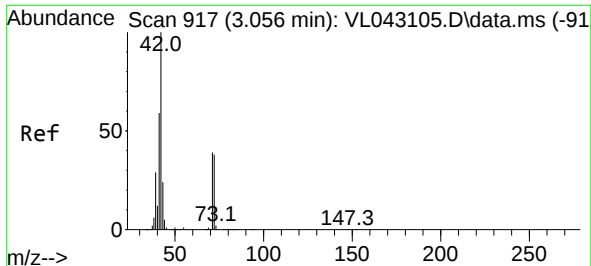
Reviewed By :Semsettin Yesilyurt 11/17/2025
Supervised By :Mahesh Dadoda 11/18/2025



#36
Benzene
Concen: 0.199 ppbv
RT: 3.668 min Scan# 1106
Delta R.T. 0.007 min
Lab File: VL043194.D
Acq: 13 Nov 2025 11:52

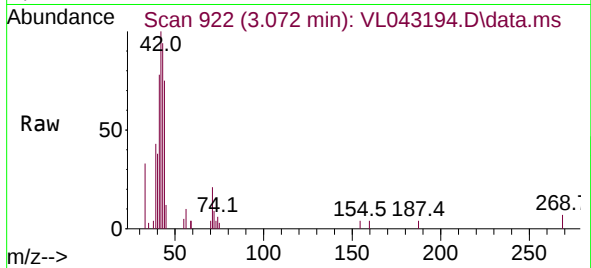
Tgt Ion: 78 Resp: 7434
Ion Ratio Lower Upper
78 100
77 26.9 17.0 25.6#
50 11.0 14.6 22.0#





#41
Tetrahydrofuran
Concen: 0.151 ppbv m
RT: 3.072 min Scan# 917
Delta R.T. 0.016 min
Lab File: VL043194.D
Acq: 13 Nov 2025 11:52

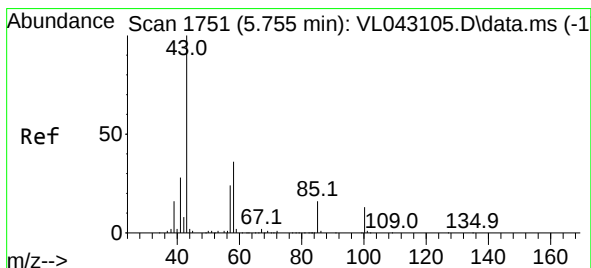
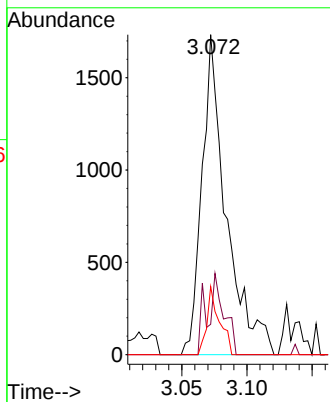
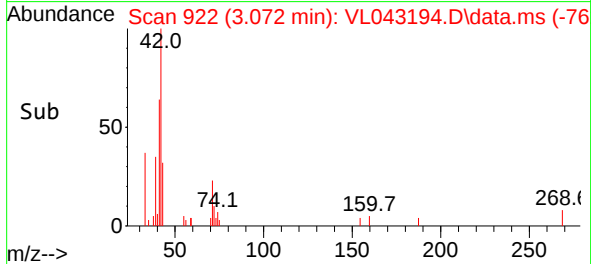
Instrument :
MSVOA_L
ClientSampleId :
UNIT-7-IA-1



Tgt Ion: 42 Resp: 2246
Ion Ratio Lower Upper
42 100
72 17.5 31.3 46.9
71 10.9 30.4 45.6

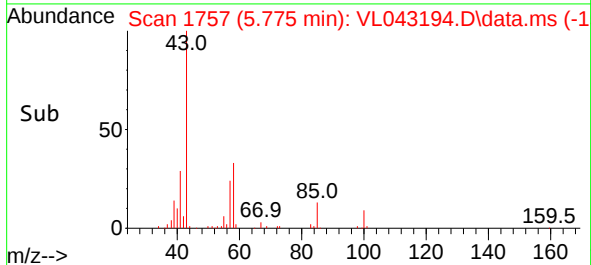
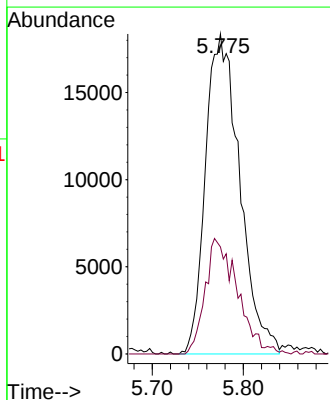
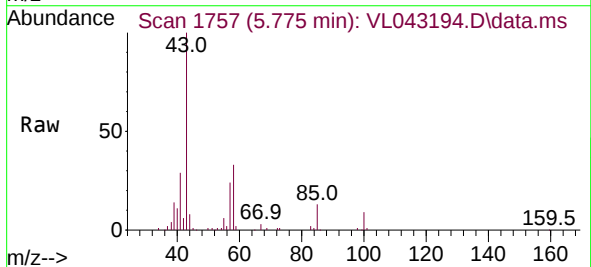
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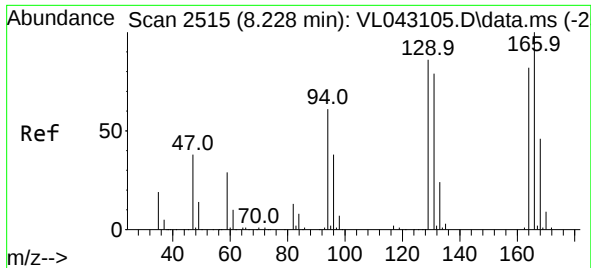
Reviewed By :Semsettin Yesilyurt 11/17/2025
Supervised By :Mahesh Dadoda 11/18/2025



#50
4-Methyl-2-Pentanone
Concen: 1.303 ppbv m
RT: 5.775 min Scan# 1757
Delta R.T. 0.020 min
Lab File: VL043194.D
Acq: 13 Nov 2025 11:52

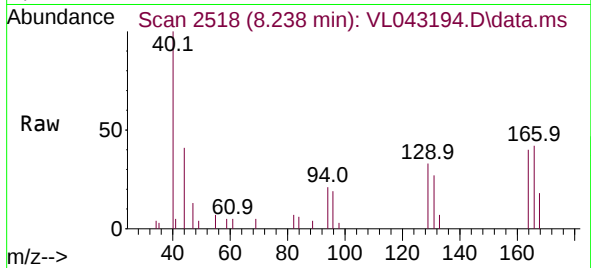
Tgt Ion: 43 Resp: 47950
Ion Ratio Lower Upper
43 100
58 34.2 29.1 43.7





#52
Tetrachloroethene
Concen: 0.084 ppbv m
RT: 8.238 min Scan# 2118
Delta R.T. 0.010 min
Lab File: VL043194.D
Acq: 13 Nov 2025 11:52

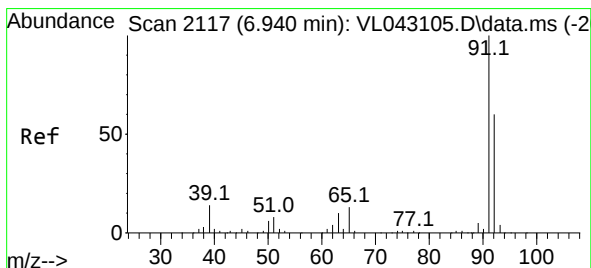
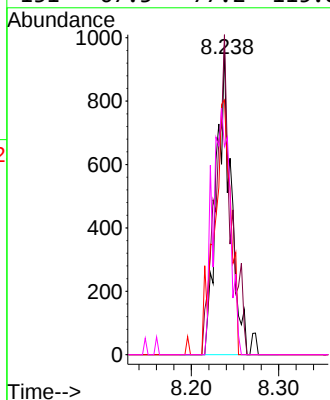
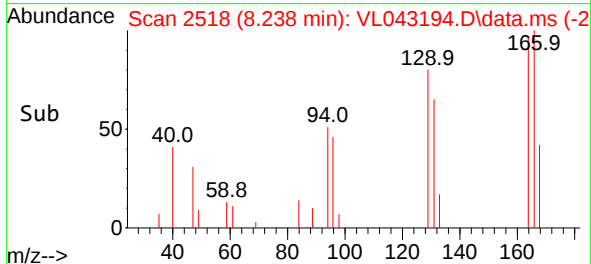
Instrument :
MSVOA_L
ClientSampleId :
UNIT-7-IA-1



Tgt Ion:164 Resp: 1134
Ion Ratio Lower Upper
164 100
166 103.5 97.6 146.4
129 82.4 84.5 126.7
131 67.3 77.2 115.8#

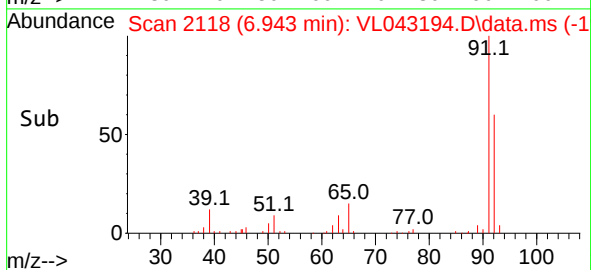
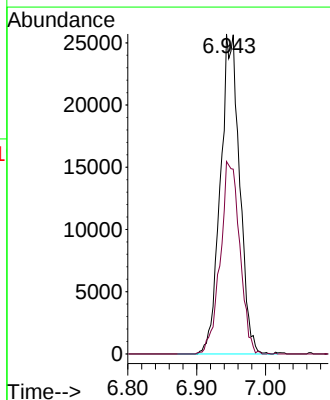
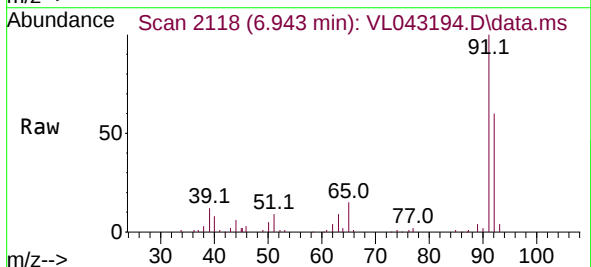
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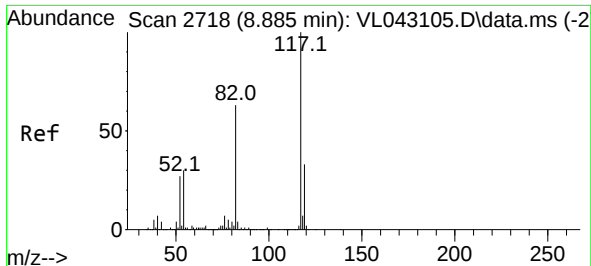
Reviewed By :Semsettin Yesilyurt 11/17/2025
Supervised By :Mahesh Dadoda 11/18/2025



#53
Toluene
Concen: 1.125 ppbv m
RT: 6.943 min Scan# 2118
Delta R.T. 0.003 min
Lab File: VL043194.D
Acq: 13 Nov 2025 11:52

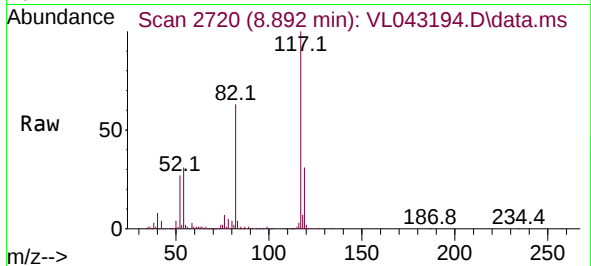
Tgt Ion: 91 Resp: 49889
Ion Ratio Lower Upper
91 100
92 0.0 48.8 73.2#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.892 min Scan# 2718
Delta R.T. 0.007 min
Lab File: VL043194.D
Acq: 13 Nov 2025 11:52

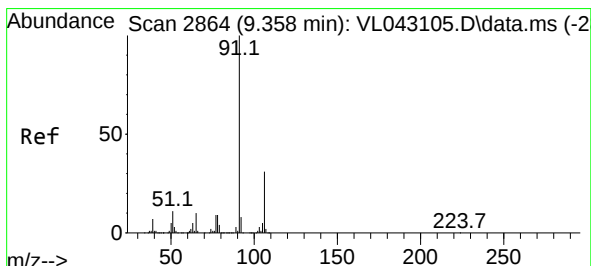
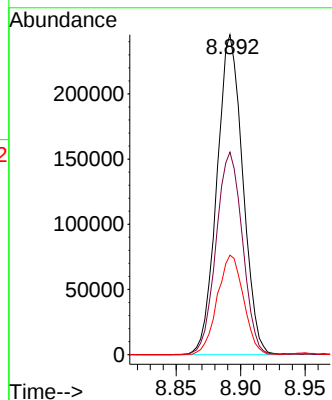
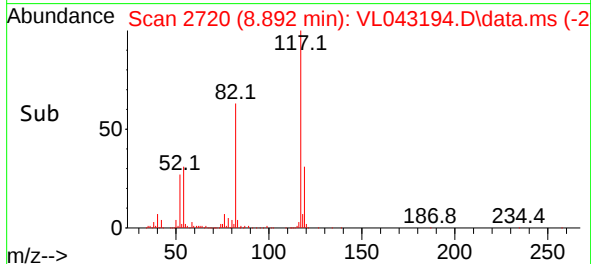
Instrument :
MSVOA_L
ClientSampleId :
UNIT-7-IA-1



Tgt Ion: 117 Resp: 342186
Ion Ratio Lower Upper
117 100
82 64.6 53.8 80.8
119 31.6 25.4 38.0

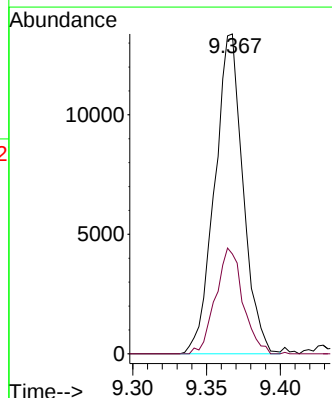
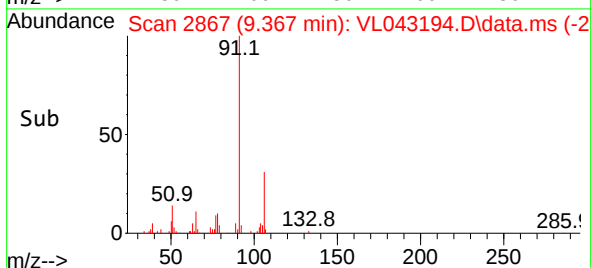
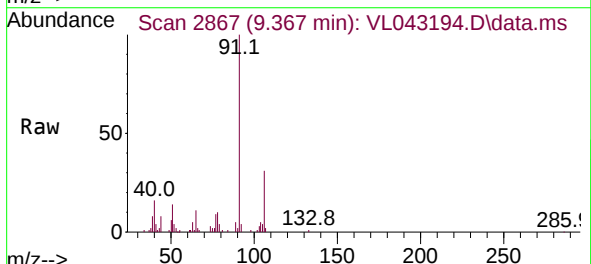
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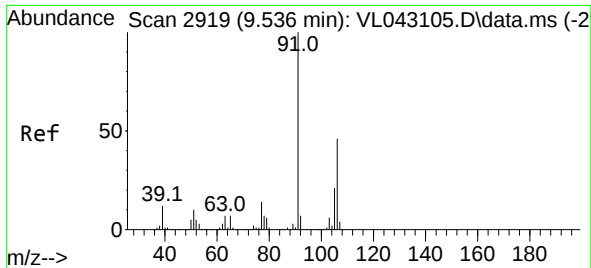
Reviewed By :Semsettin Yesilyurt 11/17/2025
Supervised By :Mahesh Dadoda 11/18/2025



#58
Ethyl Benzene
Concen: 0.305 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. 0.010 min
Lab File: VL043194.D
Acq: 13 Nov 2025 11:52

Tgt Ion: 91 Resp: 17904
Ion Ratio Lower Upper
91 100
106 31.2 24.8 37.2





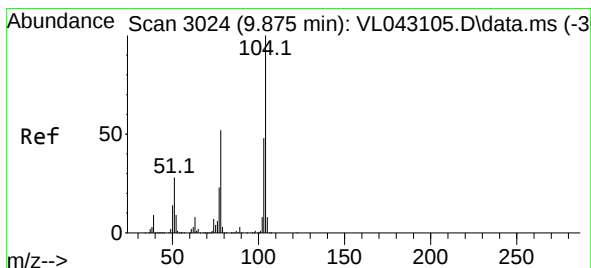
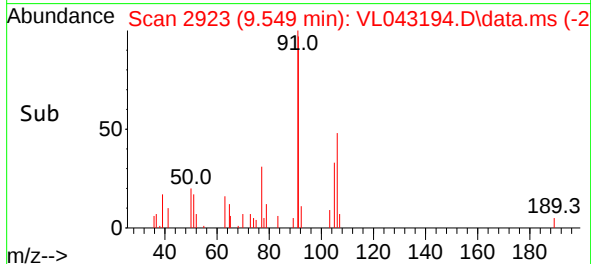
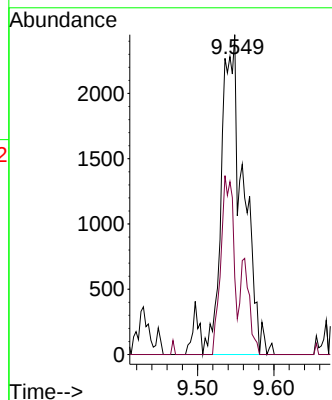
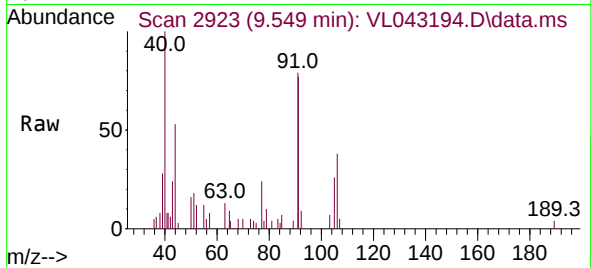
#59
m/p-Xylene
Concen: 0.108 ppbv m
RT: 9.549 min Scan# 2919
Delta R.T. 0.013 min
Lab File: VL043194.D
Acq: 13 Nov 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
UNIT-7-IA-1

Tgt Ion: 91 Resp: 5060
Ion Ratio Lower Upper
91 100
106 43.6 38.0 57.0

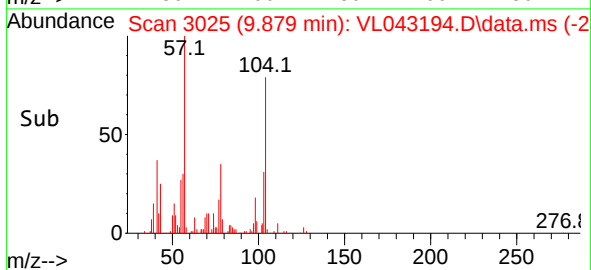
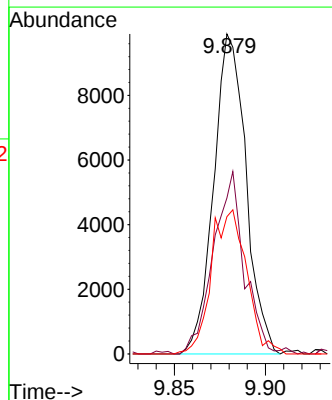
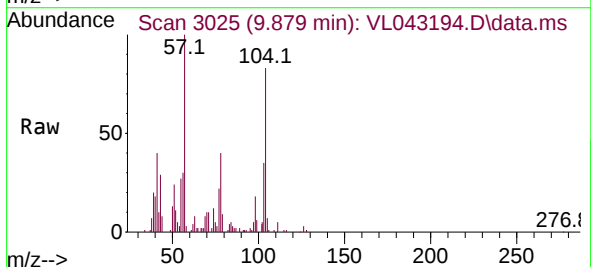
Manual Integrations
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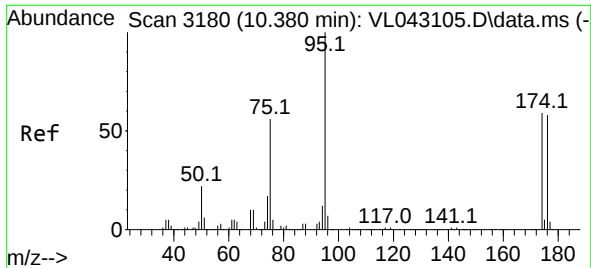
Reviewed By :Semsettin Yesilyurt 11/17/2025
Supervised By :Mahesh Dadoda 11/18/2025



#61
Styrene
Concen: 0.585 ppbv
RT: 9.879 min Scan# 3025
Delta R.T. 0.003 min
Lab File: VL043194.D
Acq: 13 Nov 2025 11:52

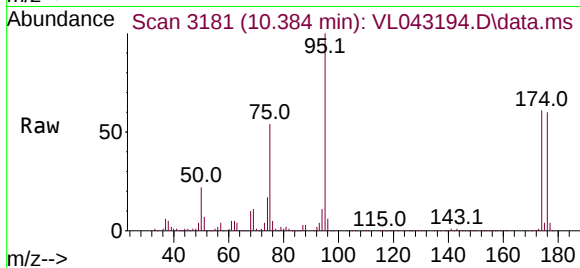
Tgt Ion:104 Resp: 12213
Ion Ratio Lower Upper
104 100
78 55.4 40.2 60.2
103 49.3 36.9 55.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.466 ppbv
 RT: 10.384 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VL043194.D
 Acq: 13 Nov 2025 11:52

Instrument :
 MSVOA_L
 ClientSampleId :
 UNIT-7-IA-1



Tgt Ion: 95 Resp: 278374
 Ion Ratio Lower Upper
 95 100
 174 64.4 48.3 72.5
 175 4.6 3.8 5.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2025
 Supervised By :Mahesh Dadoda 11/18/2025

