

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
 Data File : VL042862.D
 Acq On : 13 Aug 2025 21:26
 Operator : SY/MD
 Sample : Q2834-02 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

Quant Time: Aug 14 02:22:53 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 14 2025

QLast Update : Thu Aug 14 02:12:54 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	126696	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	384213	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	328630	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	250839	10.178	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.800%
Target Compounds						
					Qvalue	
9) Propene	1.489	41	1229	0.139	ppbv #	79
10) Heptane	4.991	43	4289m	0.181	ppbv	
13) Ethanol	1.722	45	96985	119.666	ppbv	90
15) Acetone	1.839	43	87245	5.206	ppbv	97
17) tert-Butyl alcohol	2.049	59	8016	0.403	ppbv #	87
19) Isopropyl Alcohol	1.890	45	3151	0.315	ppbv #	1
20) Methylene Chloride	2.065	84	2362	0.336	ppbv	94
26) Hexane	2.832	57	23928	1.278	ppbv #	43
34) 2-Butanone	2.567	43	9355	0.361	ppbv	94
52) Tetrachloroethene	8.234	164	633m	0.048	ppbv	
53) Toluene	6.949	91	23951	0.548	ppbv	99
59) m/p-Xylene	9.545	91	4739m	0.104	ppbv	

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

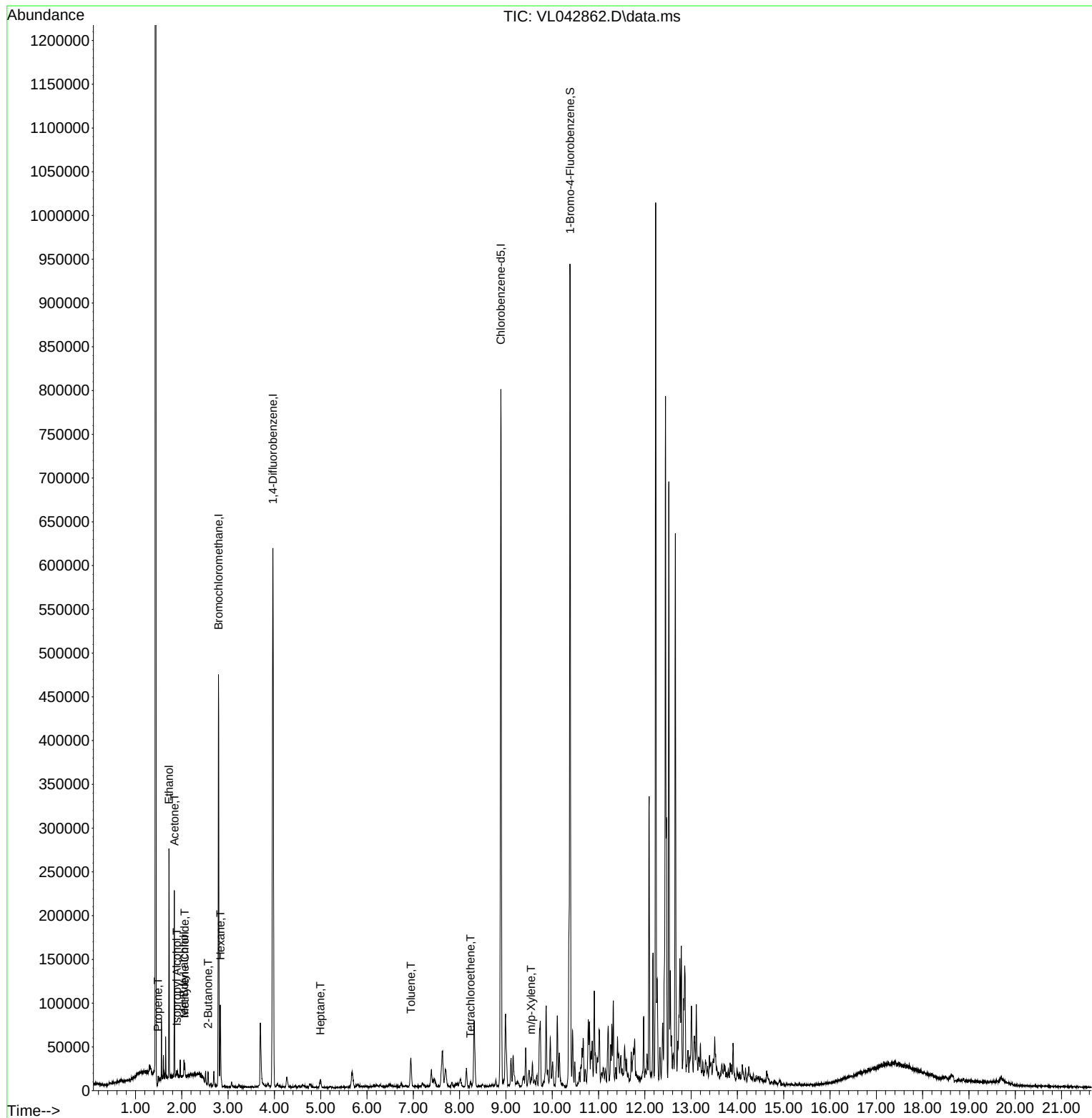
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042862.D
Acq On : 13 Aug 2025 21:26
Operator : SY/MD
Sample : Q2834-02 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

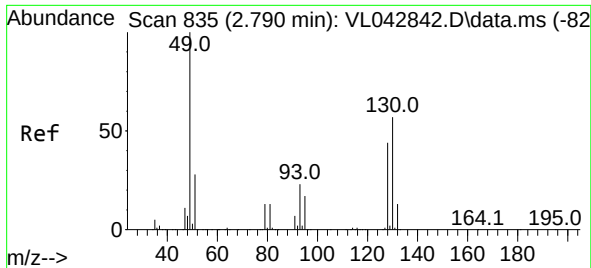
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Aug 14 02:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

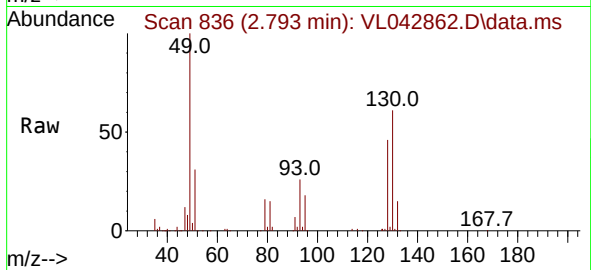
Reviewed By : Semsettin Yesilyurt 08/14/2025
Supervised By : Mahesh Dadoda 08/18/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 835
Delta R.T. 0.003 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

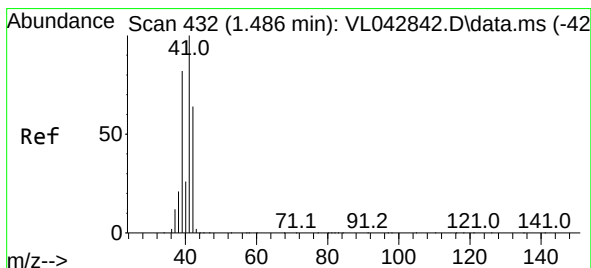
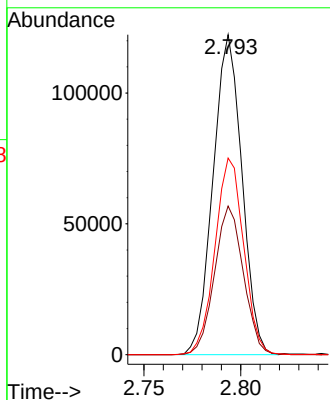
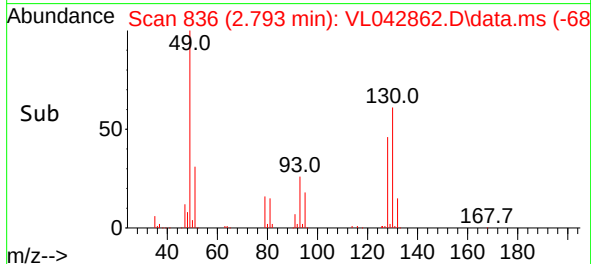
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 126690
Ion Ratio Lower Upper
49 100
128 46.4 23.7 71.1
130 61.2 30.6 91.6

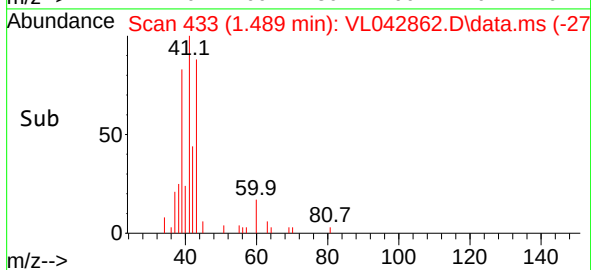
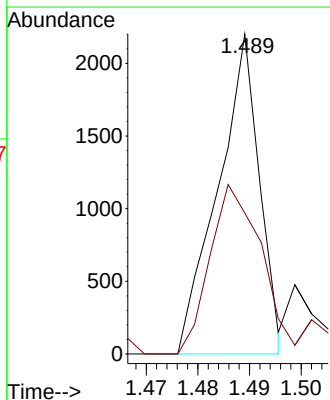
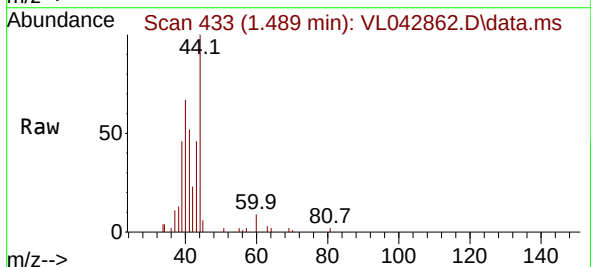
Manual Integrations
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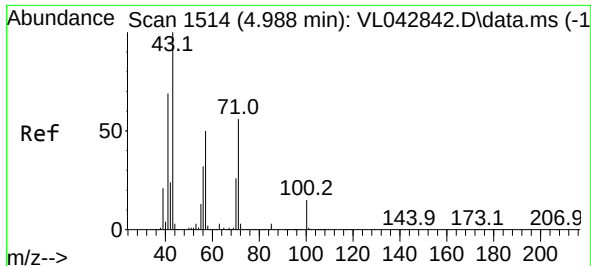
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#9
Propene
Concen: 0.139 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.003 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

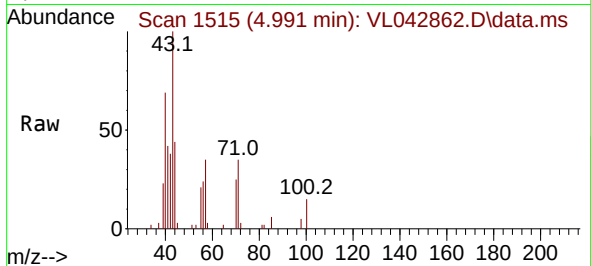
Tgt Ion: 41 Resp: 1229
Ion Ratio Lower Upper
41 100
42 82.6 53.0 79.4#





#10
Heptane
Concen: 0.181 ppbv m
RT: 4.991 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

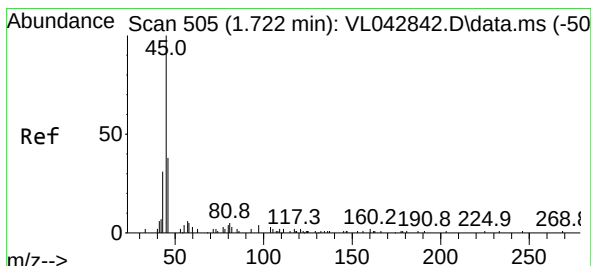
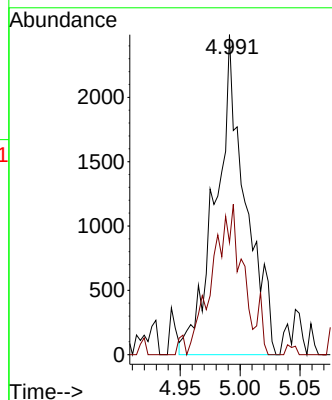
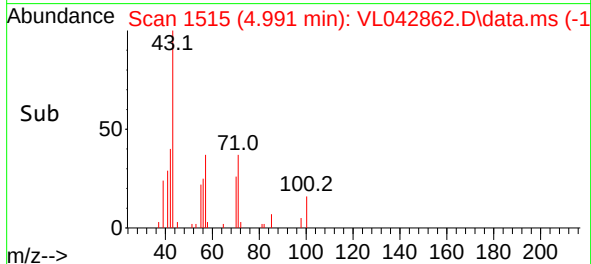
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 4289
Ion Ratio Lower Upper
43 100
57 50.5 41.4 62.0

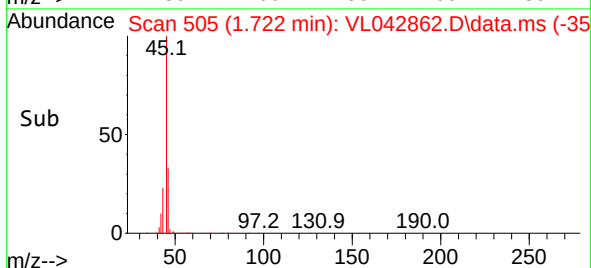
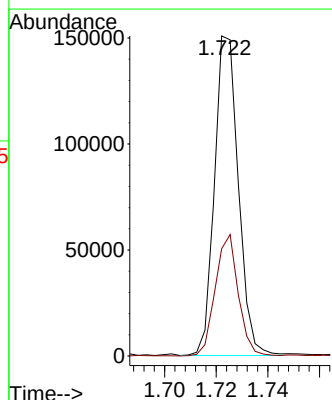
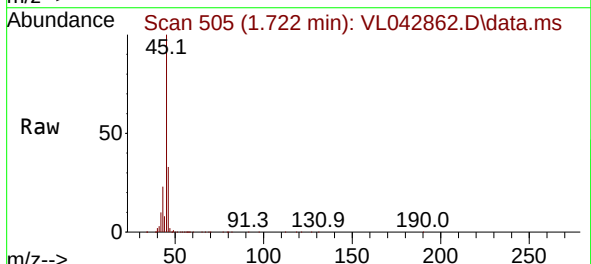
Manual Integrations
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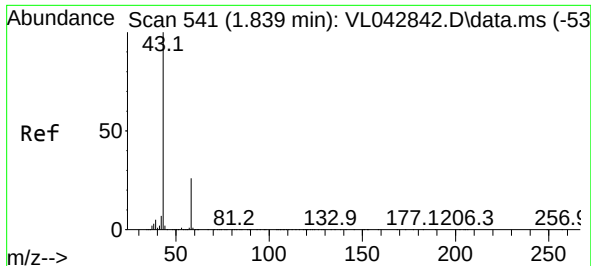
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#13
Ethanol
Concen: 119.666 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

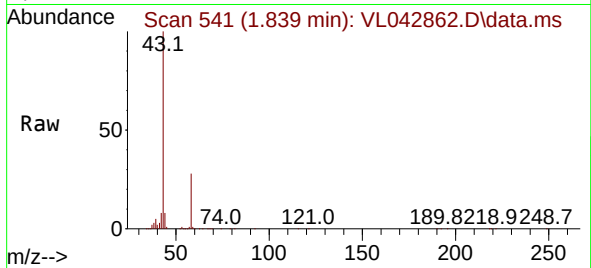
Tgt Ion: 45 Resp: 96985
Ion Ratio Lower Upper
45 100
46 37.1 17.5 69.9





#15
Acetone
Concen: 5.206 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.000 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

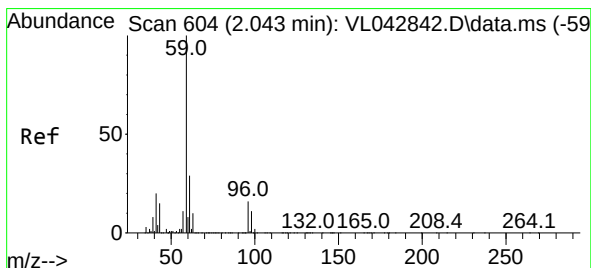
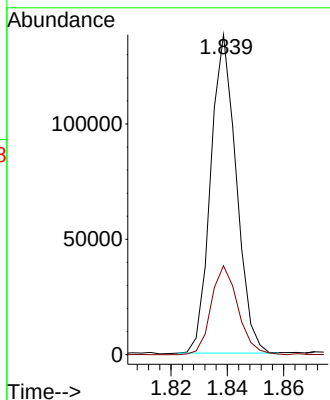
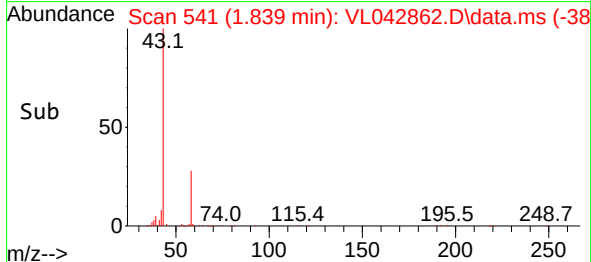
Instrument :
MSVOA_L
ClientSampleId :
SV1



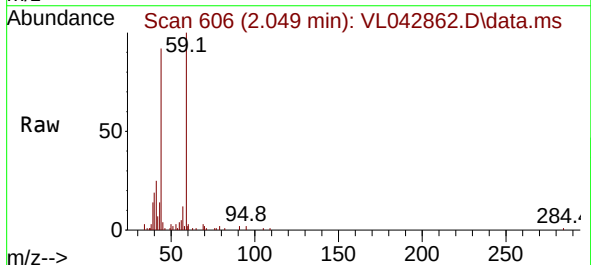
Tgt Ion: 43 Resp: 87249
Ion Ratio Lower Upper
43 100
58 29.5 22.4 33.6

Manual Integrations
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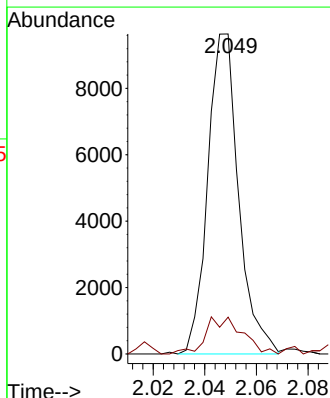
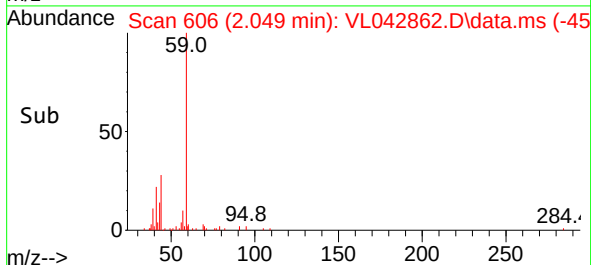
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

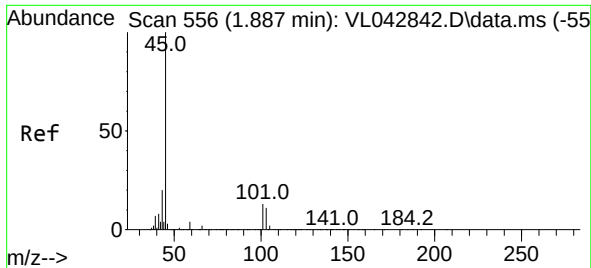


#17
tert-Butyl alcohol
Concen: 0.403 ppbv
RT: 2.049 min Scan# 606
Delta R.T. 0.006 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26



Tgt Ion: 59 Resp: 8016
Ion Ratio Lower Upper
59 100
57 16.3 9.0 13.4#





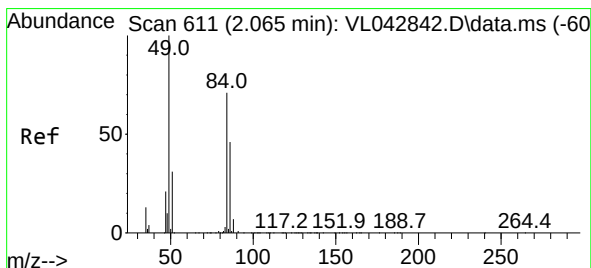
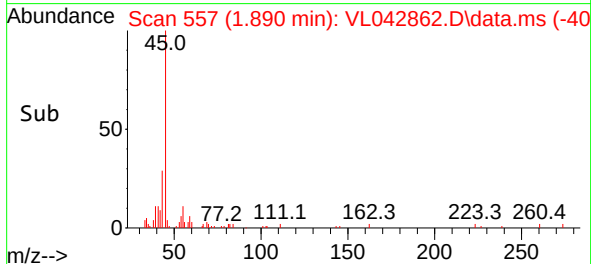
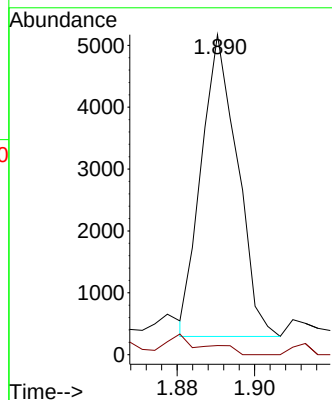
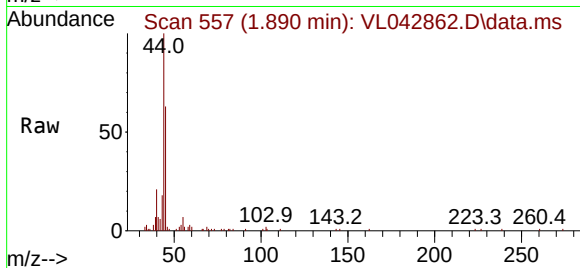
#19
Isopropyl Alcohol
Concen: 0.315 ppbv
RT: 1.890 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 45 Resp: 315
Ion Ratio Lower Upper
45 100
58 818.1 32.7 49.1

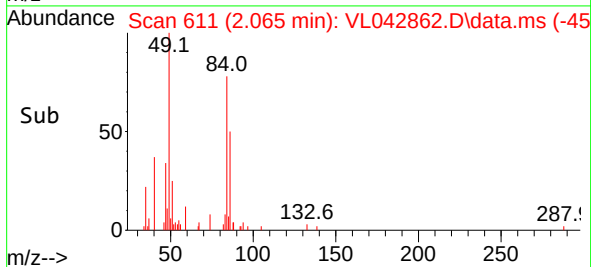
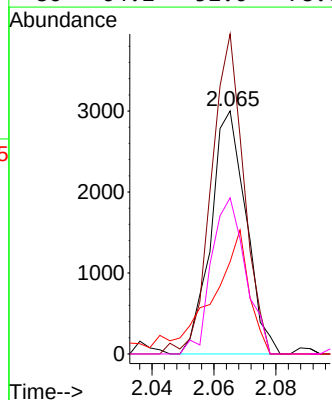
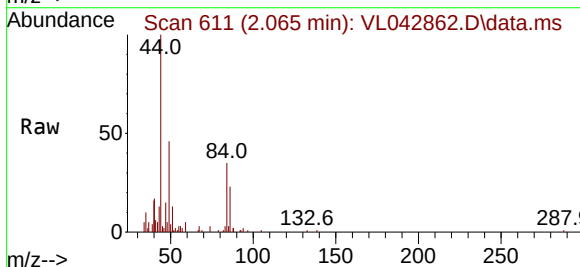
Manual Integrations
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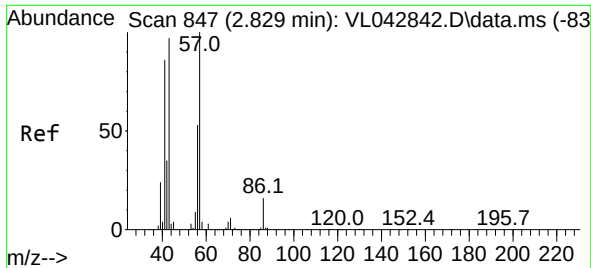
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#20
Methylene Chloride
Concen: 0.336 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

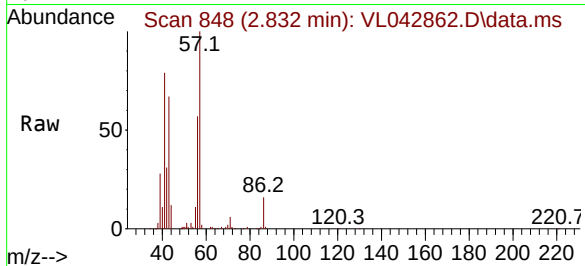
Tgt Ion: 84 Resp: 2362
Ion Ratio Lower Upper
84 100
49 131.6 112.3 168.5
51 38.0 36.0 54.0
86 64.2 52.0 78.0





#26
Hexane
Concen: 1.278 ppbv
RT: 2.832 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

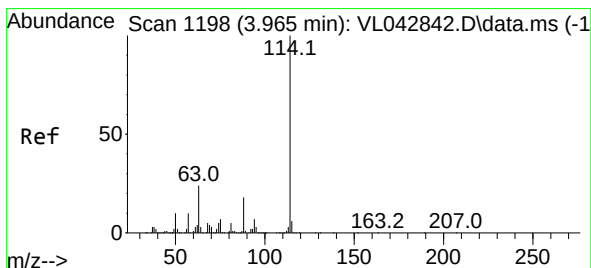
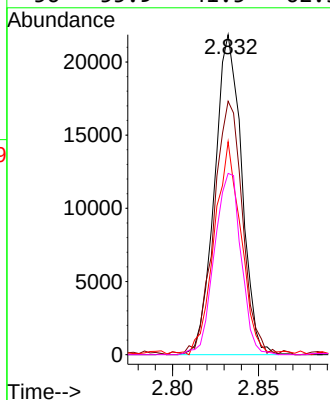
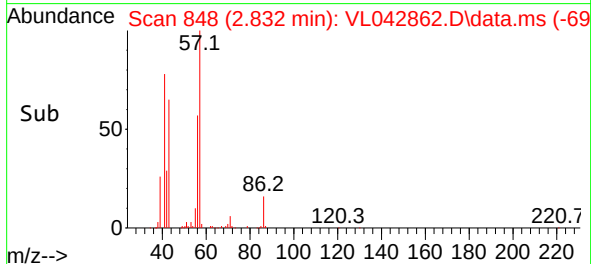
Instrument :
MSVOA_L
ClientSampleId :
SV1



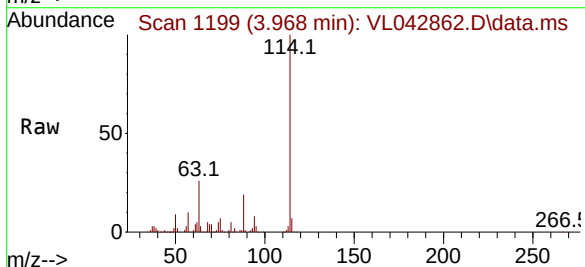
Tgt Ion: 57 Resp: 23928
Ion Ratio Lower Upper
57 100
41 84.1 68.6 103.0
43 66.4 168.5 252.7
56 55.9 41.5 62.3

Manual Integrations
APPROVED

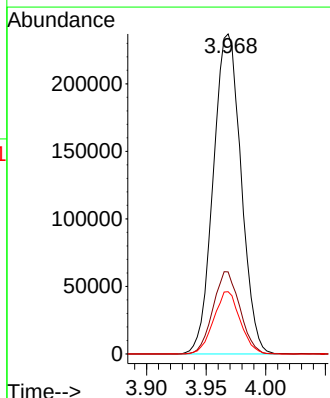
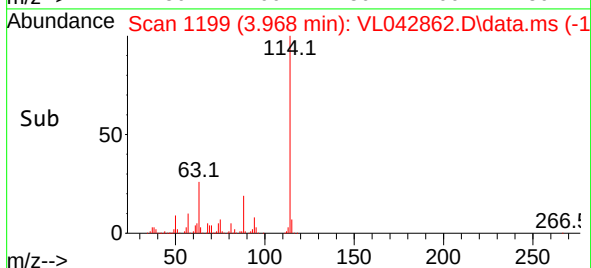
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

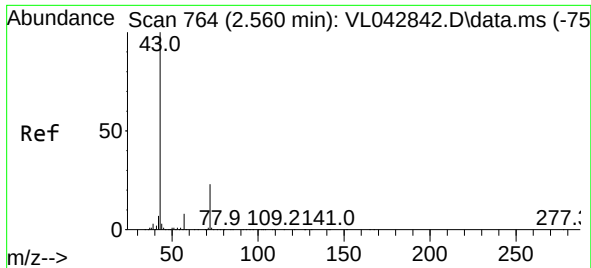


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. 0.003 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26



Tgt Ion:114 Resp: 384213
Ion Ratio Lower Upper
114 100
63 24.9 19.7 29.5
88 18.6 14.4 21.6





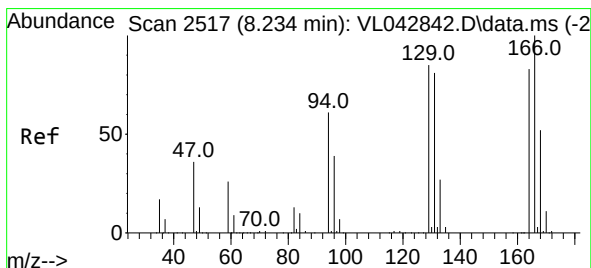
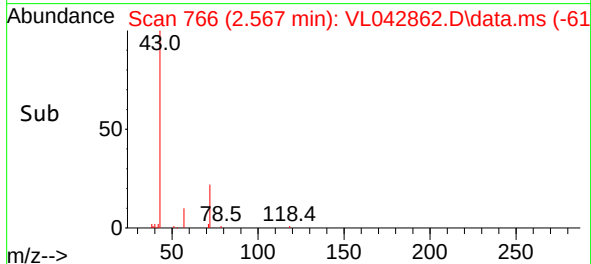
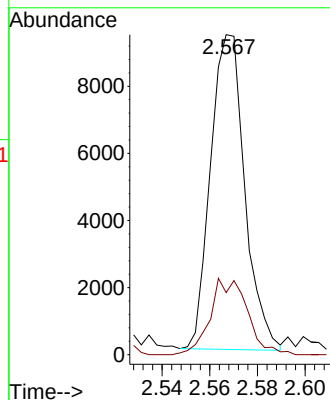
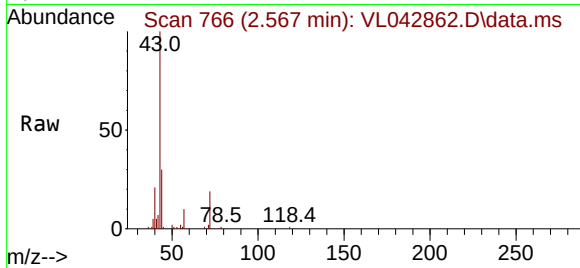
#34
2-Butanone
Concen: 0.361 ppbv
RT: 2.567 min Scan# 70
Delta R.T. 0.006 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 935
Ion Ratio Lower Upper
43 100
72 26.2 18.6 28.0

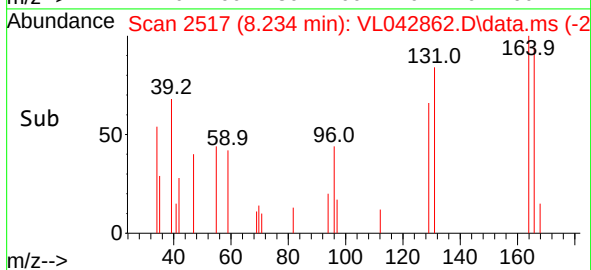
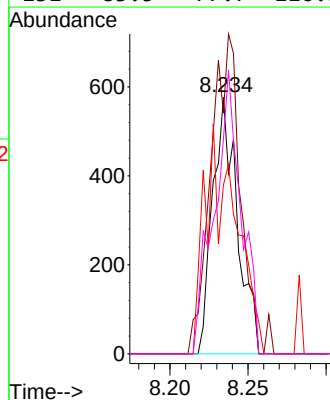
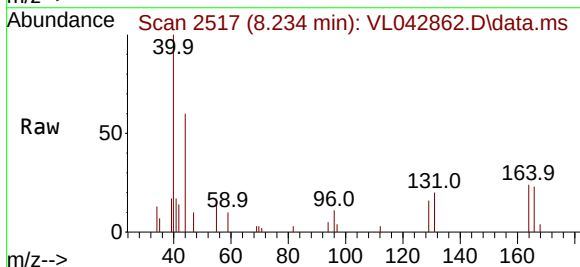
Manual Integrations
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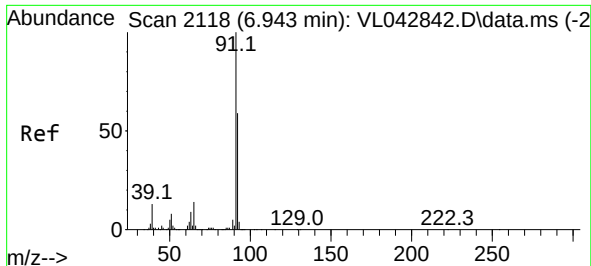
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#52
Tetrachloroethene
Concen: 0.048 ppbv m
RT: 8.234 min Scan# 2517
Delta R.T. -0.000 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

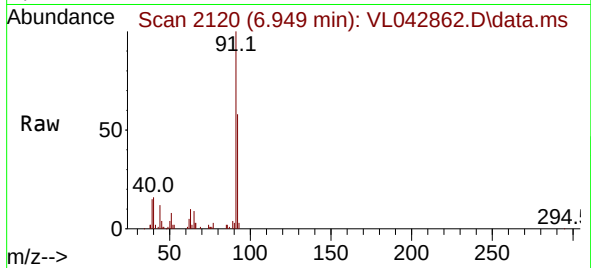
Tgt Ion:164 Resp: 633
Ion Ratio Lower Upper
164 100
166 93.8 96.5 144.7#
129 65.7 81.8 122.6#
131 83.5 77.7 116.5





#53
Toluene
Concen: 0.548 ppbv
RT: 6.949 min Scan# 2118
Delta R.T. 0.006 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

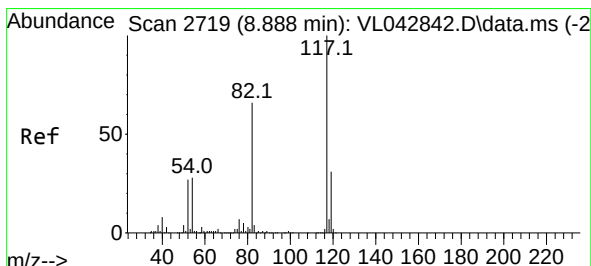
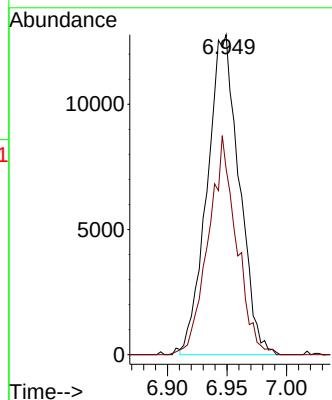
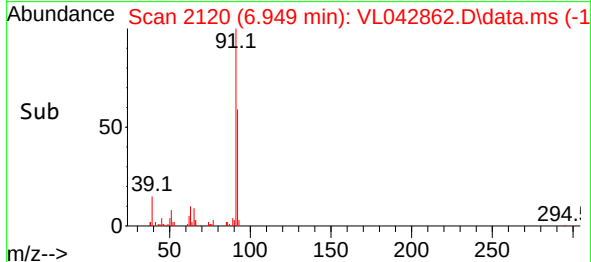
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 91 Resp: 2395
Ion Ratio Lower Upper
91 100
92 60.2 47.8 71.6

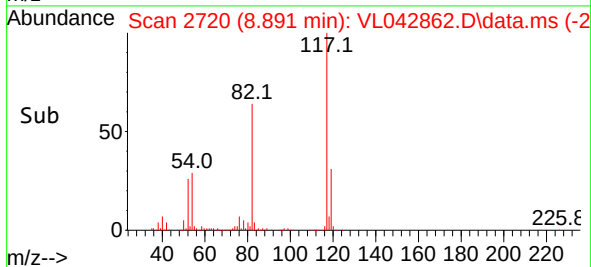
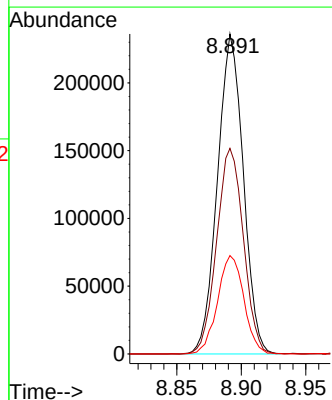
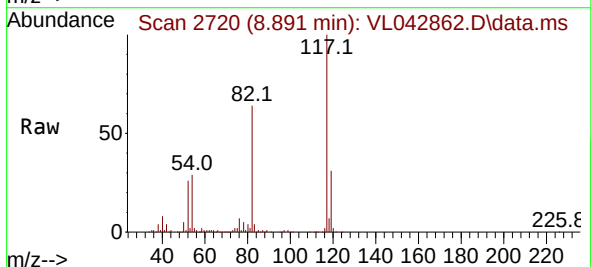
Manual Integrations
APPROVED

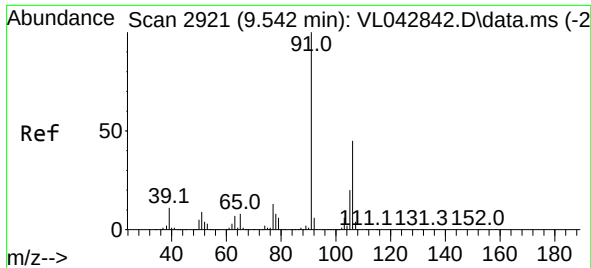
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2720
Delta R.T. 0.003 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

Tgt Ion:117 Resp: 328630
Ion Ratio Lower Upper
117 100
82 66.5 54.6 81.8
119 31.3 25.9 38.9





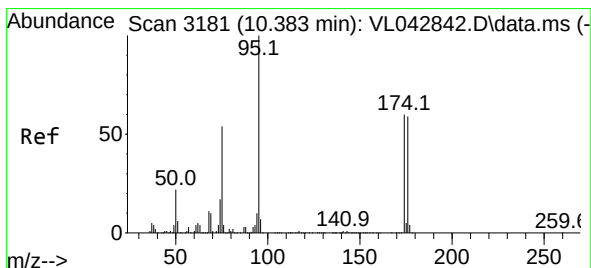
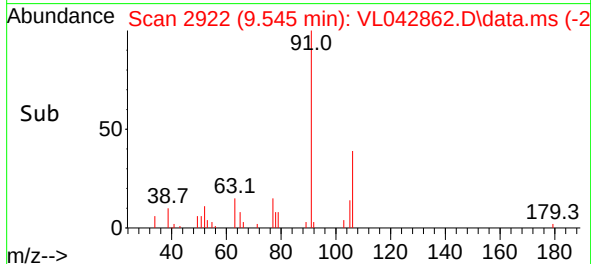
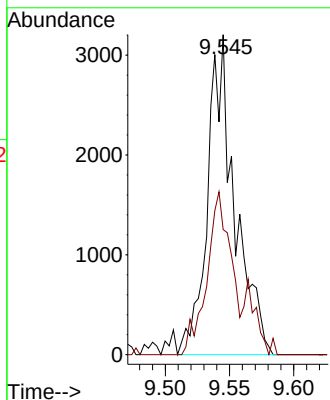
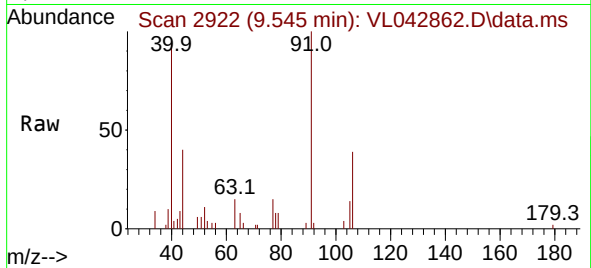
#59
m/p-Xylene
Concen: 0.104 ppbv m
RT: 9.545 min Scan# 2921
Delta R.T. 0.003 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 4739
Ion Ratio Lower Upper
91 100
106 55.7 0.0 0.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.178 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

Tgt Ion: 95 Resp: 250839
Ion Ratio Lower Upper
95 100
174 56.7 48.4 72.6
175 4.1 3.8 5.8

