

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061925\
 Data File : VL042658.D
 Acq On : 19 Jun 2025 16:52
 Operator : SY/MD
 Sample : Q2369-01DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/23/2025
 Supervised By :Mahesh Dadoda 06/23/2025

Quant Time: Jun 20 01:40:30 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

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

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	110592	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.981	114	292501	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.904	117	257428	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	194558	10.082	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.800%
Target Compounds						Qvalue
9) Propene	1.489	41	1797	0.238	ppbv	94
10) Heptane	5.004	43	2502m	0.118	ppbv	
13) Ethanol	1.729	45	139621	155.408	ppbv	97
15) Acetone	1.845	43	11497m	0.863	ppbv	
20) Methylene Chloride	2.075	84	919	0.209	ppbv	93
26) Hexane	2.845	57	6366	0.384	ppbv #	72
34) 2-Butanone	2.577	43	4698m	0.225	ppbv	
36) Benzene	3.677	78	4284	0.149	ppbv	97
44) 2,2,4-Trimethylpentane	4.674	57	5185m	0.105	ppbv	
52) Tetrachloroethene	8.251	164	77355	7.187	ppbv	91
53) Toluene	6.962	91	17184	0.516	ppbv	96
58) Ethyl Benzene	9.370	91	4875m	0.112	ppbv	
59) m/p-Xylene	9.555	91	13051m	0.380	ppbv	
60) o-Xylene	9.985	91	5343	0.156	ppbv	96

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

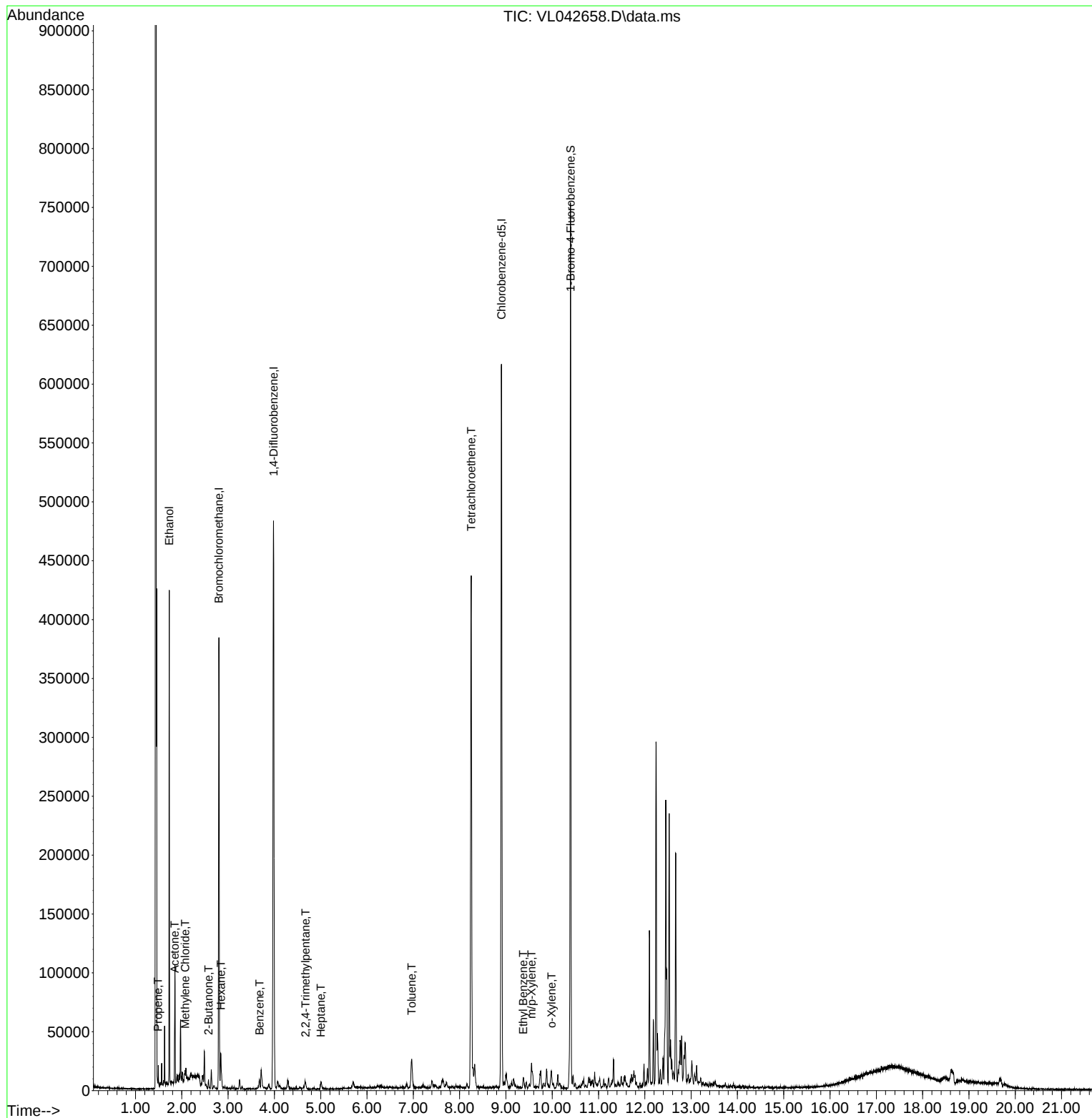
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061925\
Data File : VL042658.D
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Operator : SY/MD
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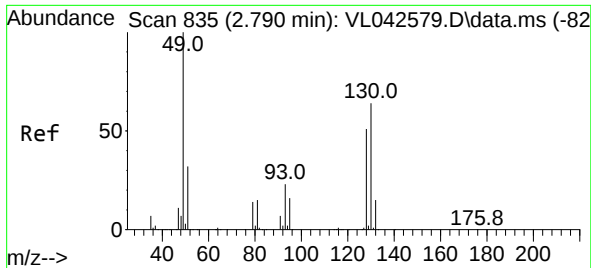
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

Quant Time: Jun 20 01:40:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration





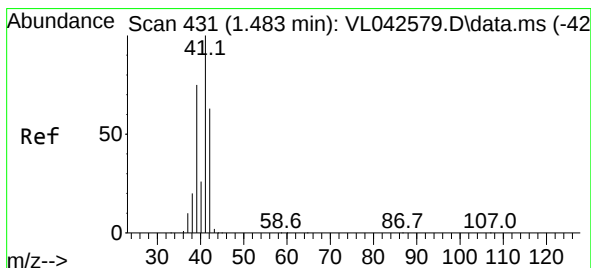
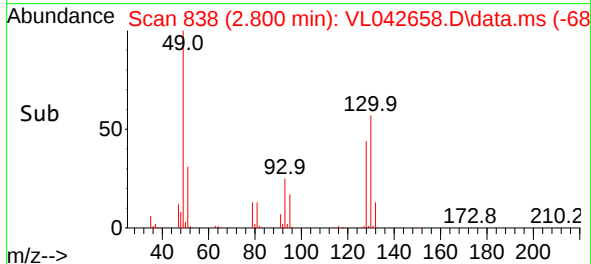
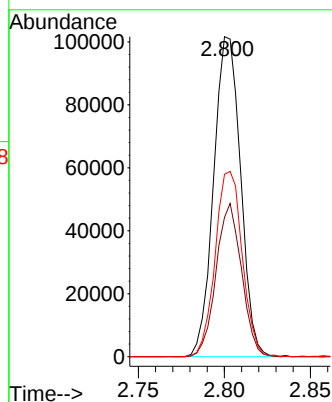
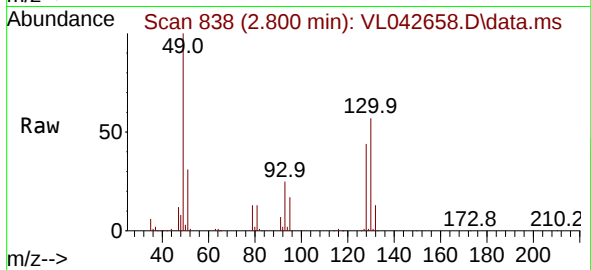
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL042658.D
Acq: 19 Jun 2025 16:52

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 49 Resp: 110592
Ion Ratio Lower Upper
49 100
128 45.3 24.2 72.6
130 58.2 30.4 91.2

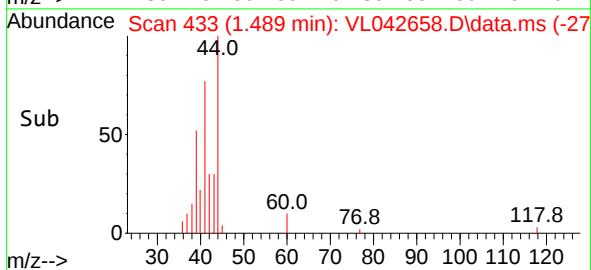
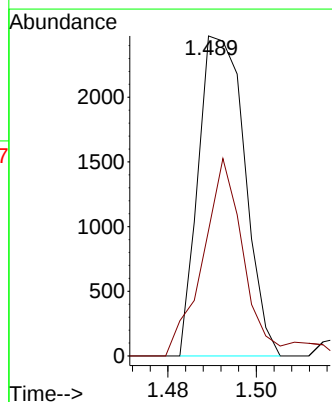
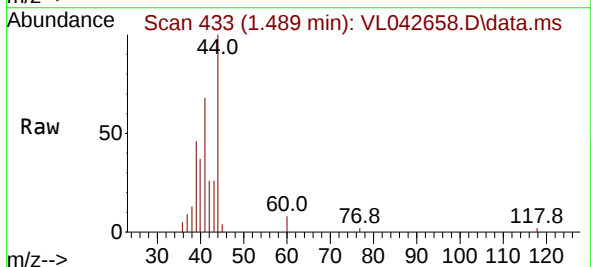
Manual Integrations
APPROVED

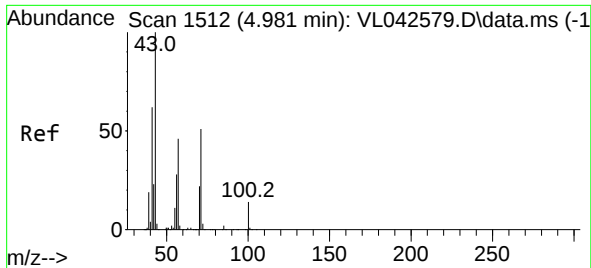
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#9
Propene
Concen: 0.238 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.007 min
Lab File: VL042658.D
Acq: 19 Jun 2025 16:52

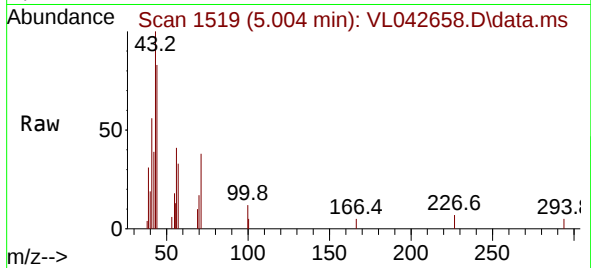
Tgt Ion: 41 Resp: 1797
Ion Ratio Lower Upper
41 100
42 61.5 53.3 79.9





#10
Heptane
Concen: 0.118 ppbv m
RT: 5.004 min Scan# 11
Delta R.T. 0.023 min
Lab File: VL042658.D
Acq: 19 Jun 2025 16:52

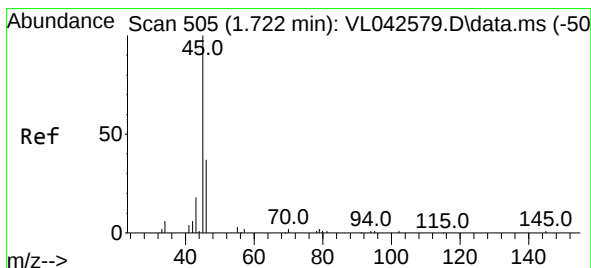
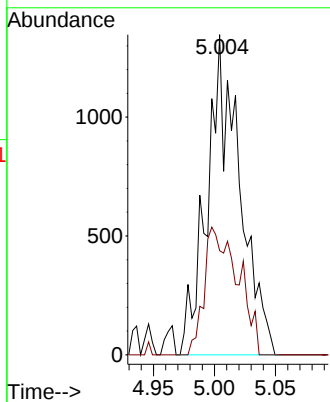
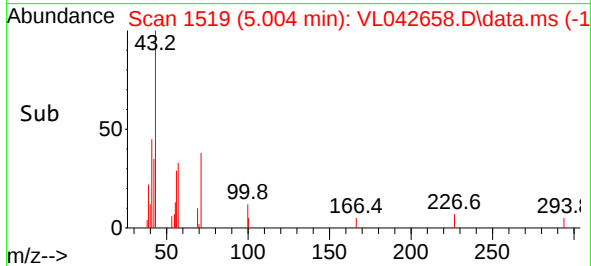
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 43 Resp: 250
Ion Ratio Lower Upper
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57 41.2 38.9 58.3

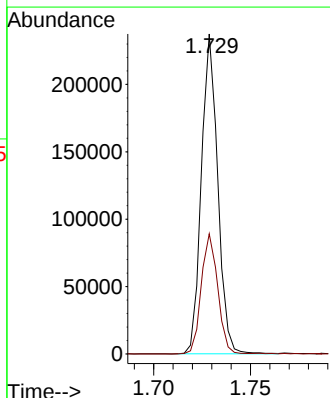
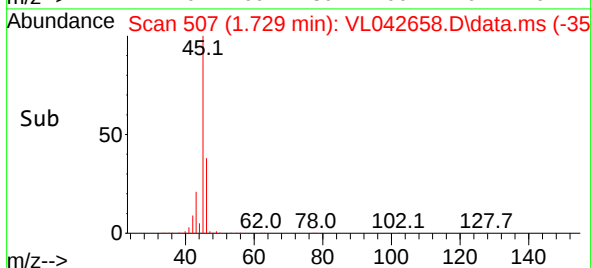
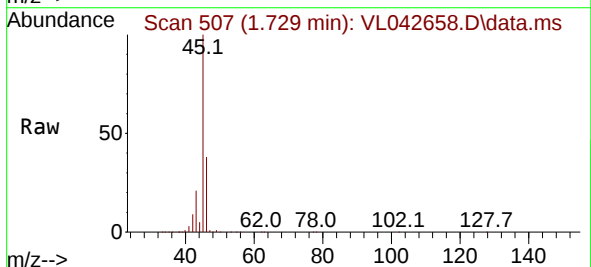
Manual Integrations
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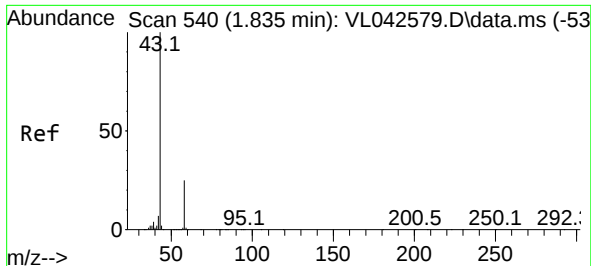
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#13
Ethanol
Concen: 155.408 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.007 min
Lab File: VL042658.D
Acq: 19 Jun 2025 16:52

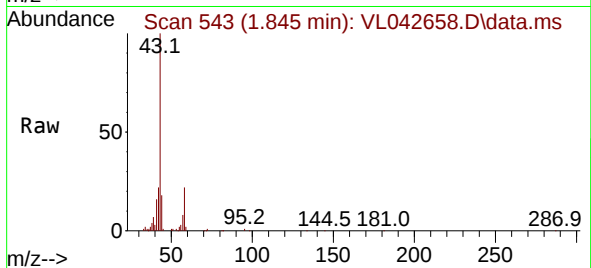
Tgt Ion: 45 Resp: 139621
Ion Ratio Lower Upper
45 100
46 38.2 14.5 58.1





#15
Acetone
Concen: 0.863 ppbv m
RT: 1.845 min Scan# 54
Delta R.T. 0.010 min
Lab File: VL042658.D
Acq: 19 Jun 2025 16:52

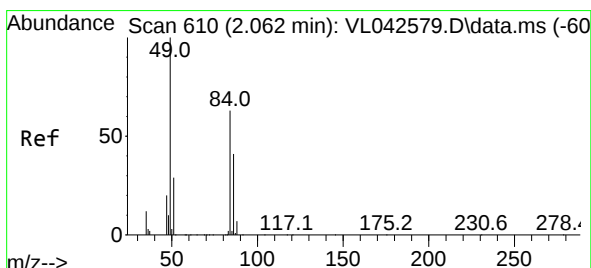
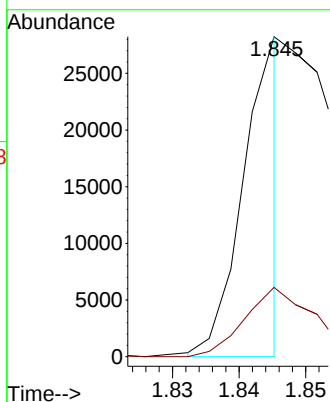
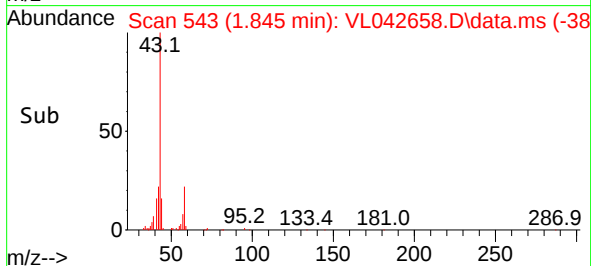
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



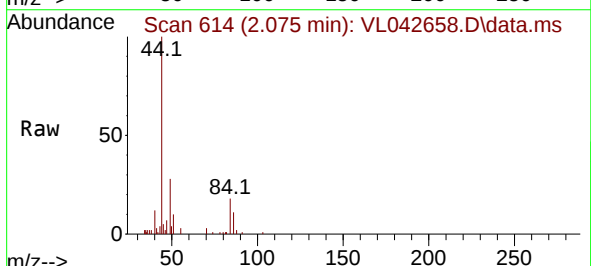
Tgt Ion: 43 Resp: 1149
Ion Ratio Lower Upper
43 100
58 39.3 21.0 31.4

Manual Integrations
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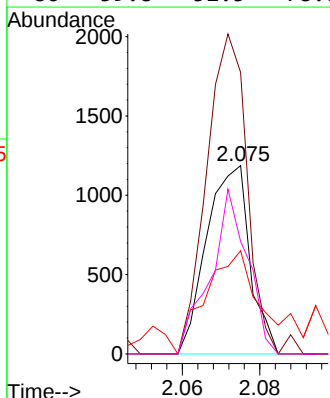
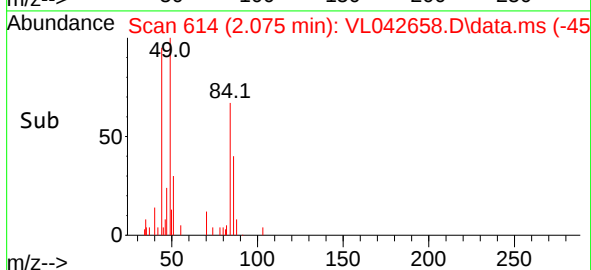
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

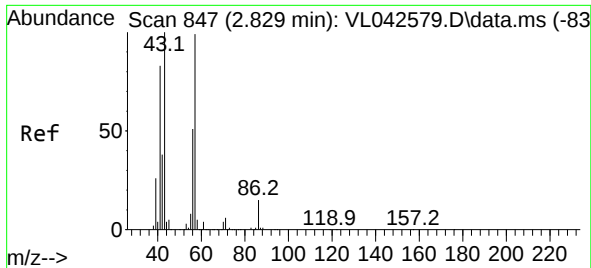


#20
Methylene Chloride
Concen: 0.209 ppbv
RT: 2.075 min Scan# 614
Delta R.T. 0.013 min
Lab File: VL042658.D
Acq: 19 Jun 2025 16:52



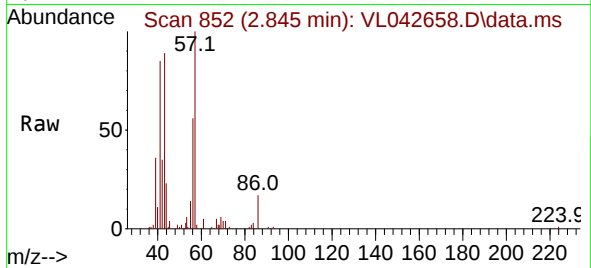
Tgt Ion: 84 Resp: 919
Ion Ratio Lower Upper
84 100
49 169.2 128.8 193.2
51 54.8 38.6 57.8
86 59.8 52.5 78.7





#26
Hexane
Concen: 0.384 ppbv
RT: 2.845 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL042658.D
Acq: 19 Jun 2025 16:52

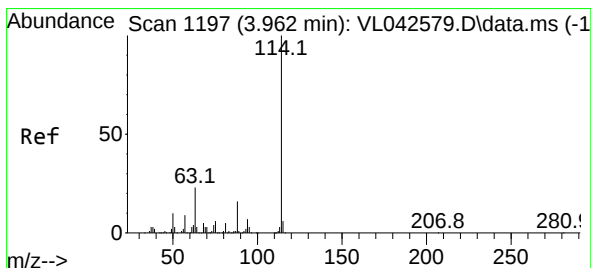
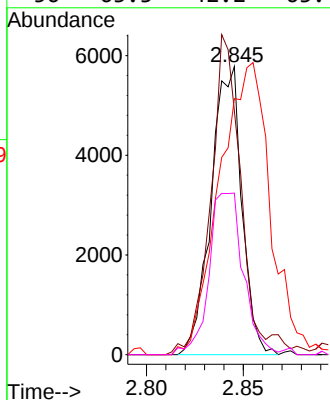
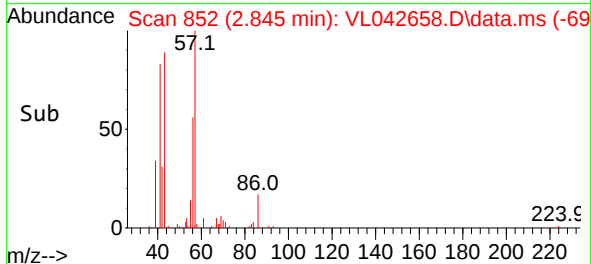
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



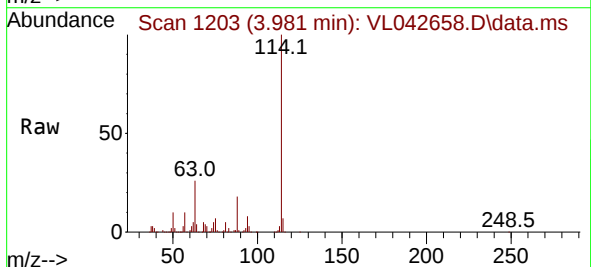
Tgt Ion: 57 Resp: 6360
Ion Ratio Lower Upper
57 100
41 110.4 70.6 106.0
43 171.7 181.1 271.7
56 63.3 42.2 63.4

Manual Integrations
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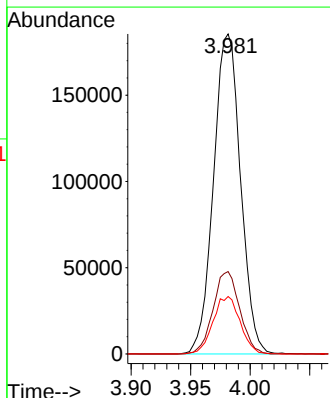
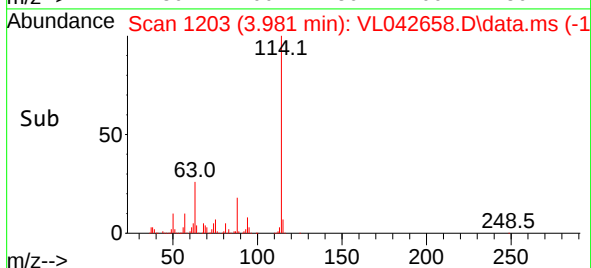
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

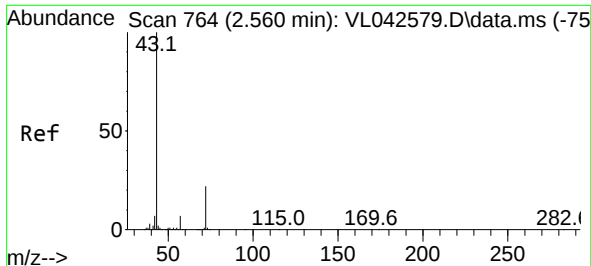


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1203
Delta R.T. 0.019 min
Lab File: VL042658.D
Acq: 19 Jun 2025 16:52



Tgt Ion:114 Resp: 292501
Ion Ratio Lower Upper
114 100
63 25.4 19.0 28.6
88 18.0 13.6 20.4





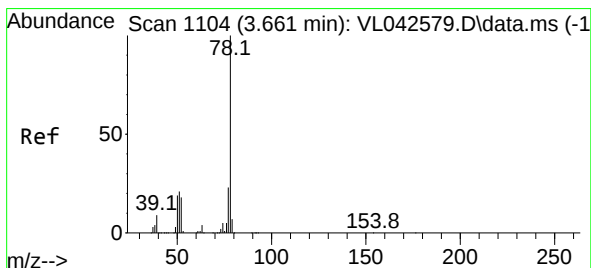
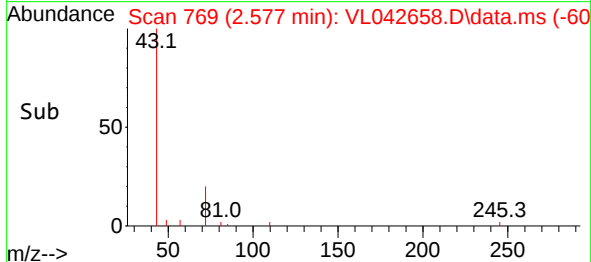
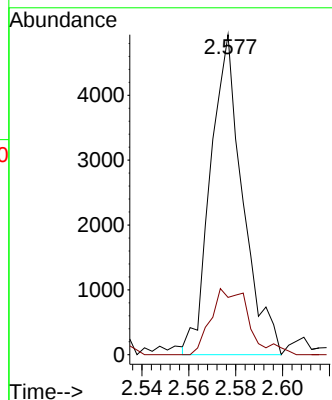
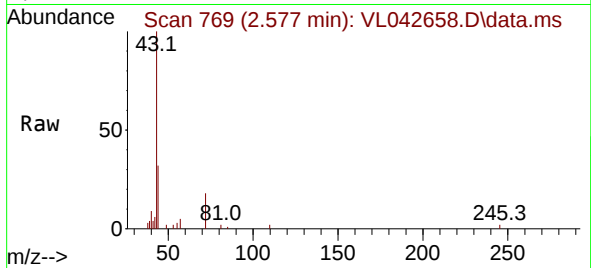
#34
2-Butanone
Concen: 0.225 ppbv m
RT: 2.577 min Scan# 710
Delta R.T. 0.016 min
Lab File: VL042658.D
Acq: 19 Jun 2025 16:52

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 43 Resp: 4698
Ion Ratio Lower Upper
43 100
72 24.3 17.7 26.5

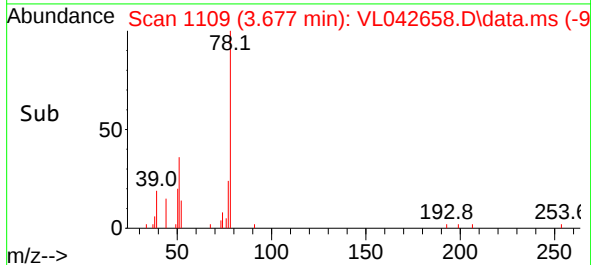
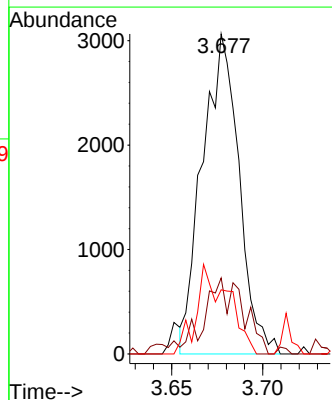
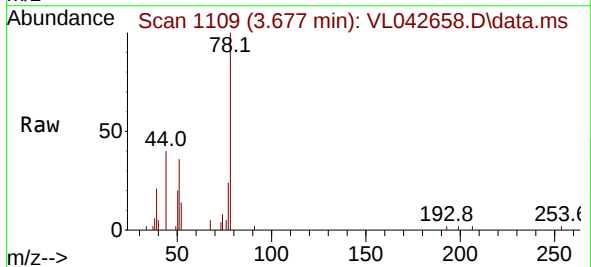
Manual Integrations
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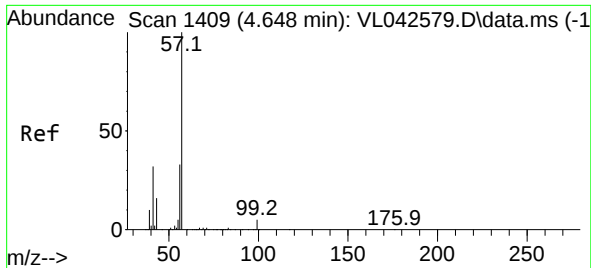
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#36
Benzene
Concen: 0.149 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. 0.016 min
Lab File: VL042658.D
Acq: 19 Jun 2025 16:52

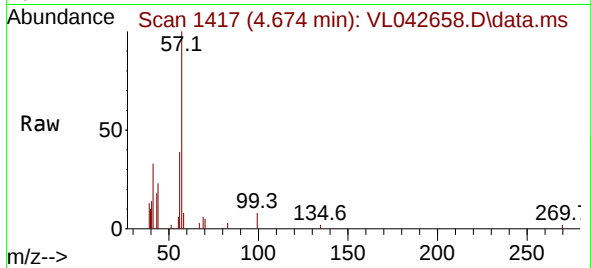
Tgt Ion: 78 Resp: 4284
Ion Ratio Lower Upper
78 100
77 21.7 18.2 27.2
50 17.0 15.2 22.8





#44
2,2,4-Trimethylpentane
Concen: 0.105 ppbv m
RT: 4.674 min Scan# 1409
Delta R.T. 0.026 min
Lab File: VL042658.D
Acq: 19 Jun 2025 16:52

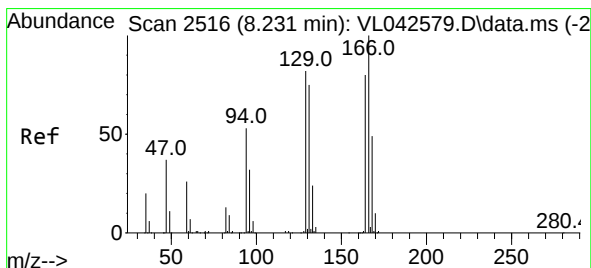
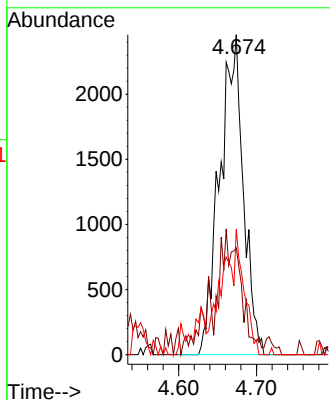
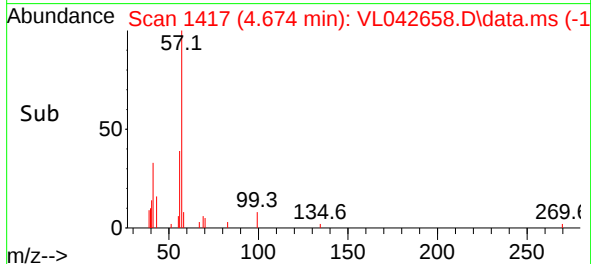
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



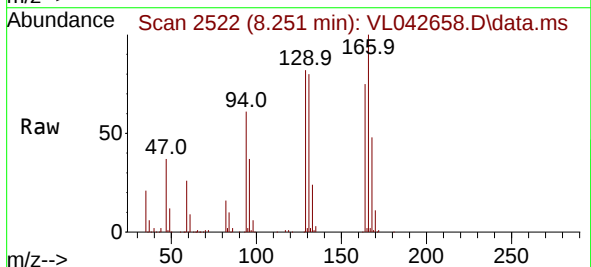
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Ion Ratio Lower Upper
57 100
41 49.1 26.1 39.1
56 0.0 25.9 38.9

Manual Integrations
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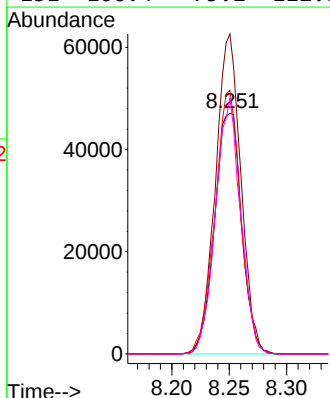
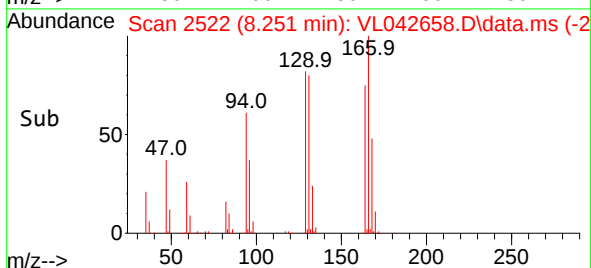
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Supervised By :Mahesh Dadoda 06/23/2025

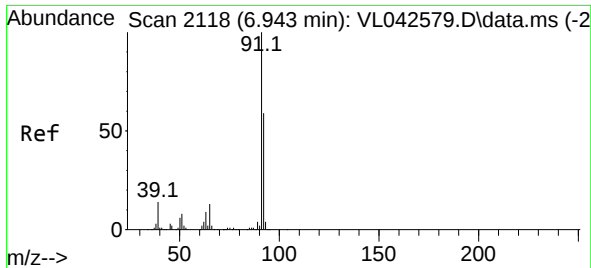


#52
Tetrachloroethene
Concen: 7.187 ppbv
RT: 8.251 min Scan# 2522
Delta R.T. 0.020 min
Lab File: VL042658.D
Acq: 19 Jun 2025 16:52



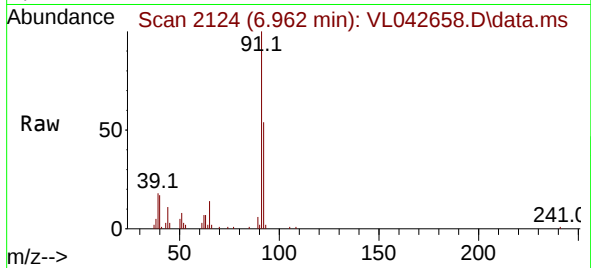
Tgt Ion:164 Resp: 77355
Ion Ratio Lower Upper
164 100
166 132.9 100.0 150.0
129 109.5 82.2 123.4
131 106.4 75.2 112.8





#53
Toluene
Concen: 0.516 ppbv
RT: 6.962 min Scan# 2118
Delta R.T. 0.020 min
Lab File: VL042658.D
Acq: 19 Jun 2025 16:52

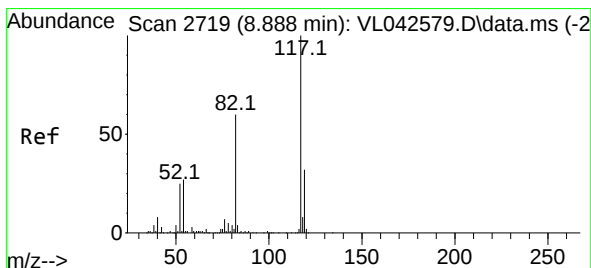
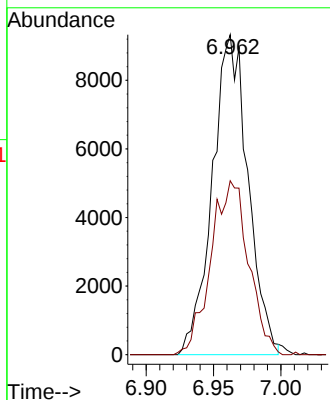
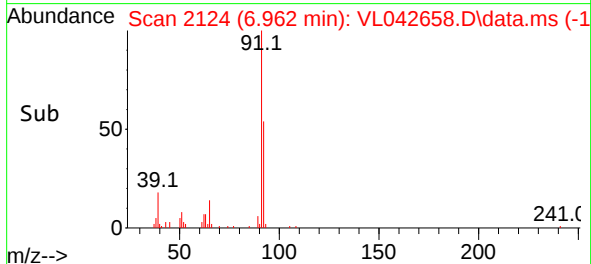
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 91 Resp: 17184
Ion Ratio Lower Upper
91 100
92 57.5 48.2 72.4

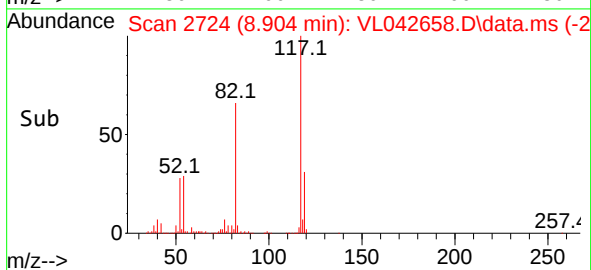
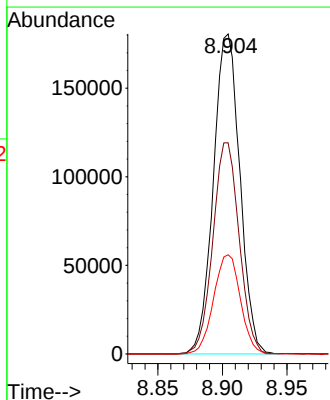
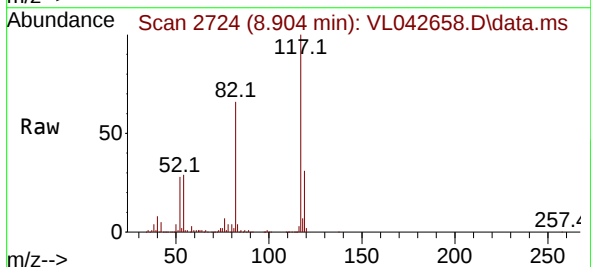
Manual Integrations
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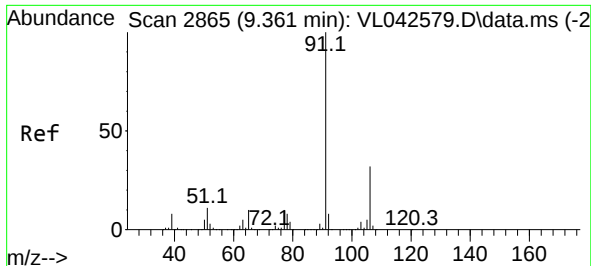
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2724
Delta R.T. 0.016 min
Lab File: VL042658.D
Acq: 19 Jun 2025 16:52

Tgt Ion:117 Resp: 257428
Ion Ratio Lower Upper
117 100
82 65.6 51.2 76.8
119 31.4 26.3 39.5





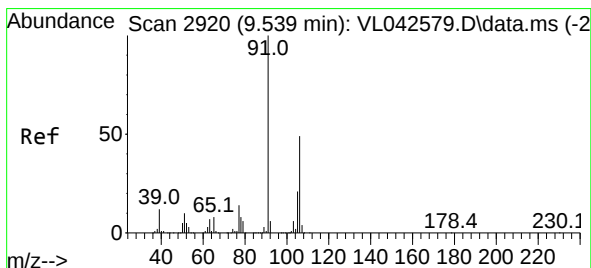
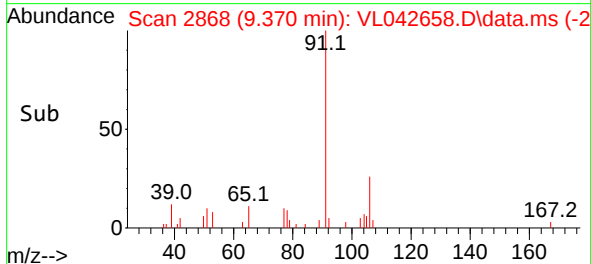
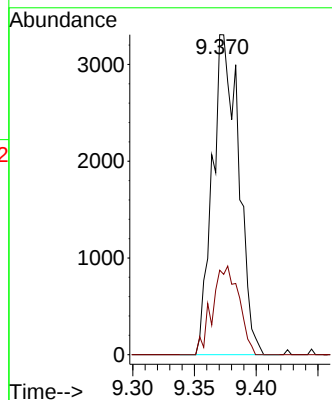
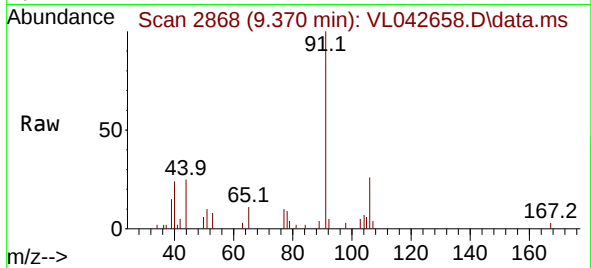
#58
Ethyl Benzene
Concen: 0.112 ppbv m
RT: 9.370 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042658.D
Acq: 19 Jun 2025 16:52

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 91 Resp: 487
Ion Ratio Lower Upper
91 100
106 26.4 25.9 38.9

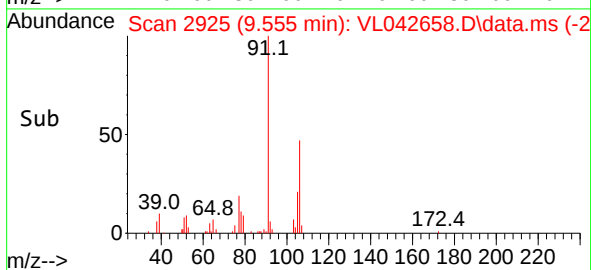
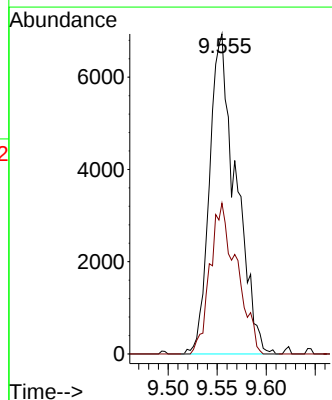
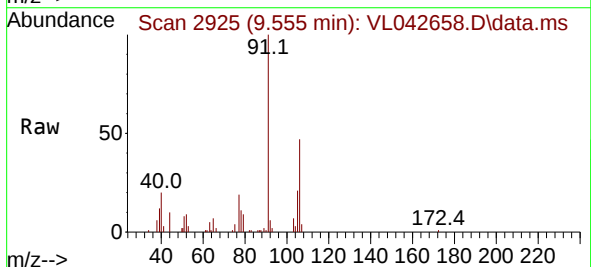
Manual Integrations
APPROVED

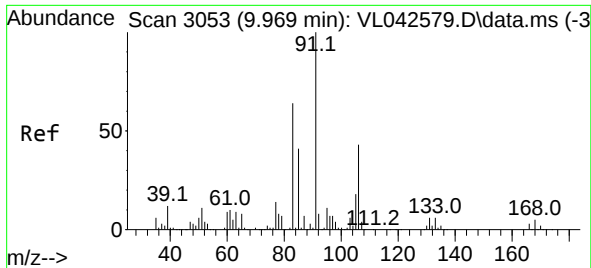
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#59
m/p-Xylene
Concen: 0.380 ppbv m
RT: 9.555 min Scan# 2925
Delta R.T. 0.016 min
Lab File: VL042658.D
Acq: 19 Jun 2025 16:52

Tgt Ion: 91 Resp: 13051
Ion Ratio Lower Upper
91 100
106 47.5 38.8 58.2





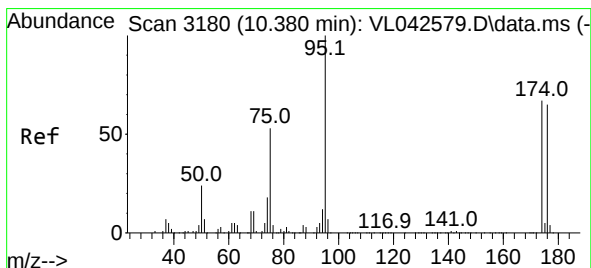
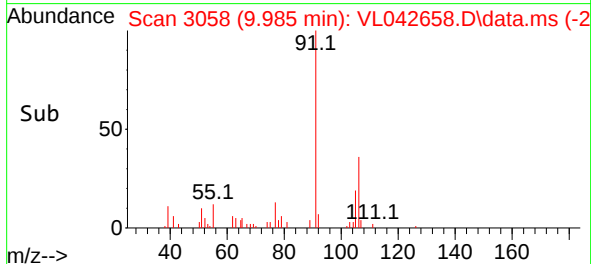
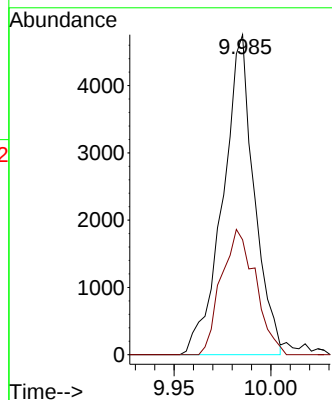
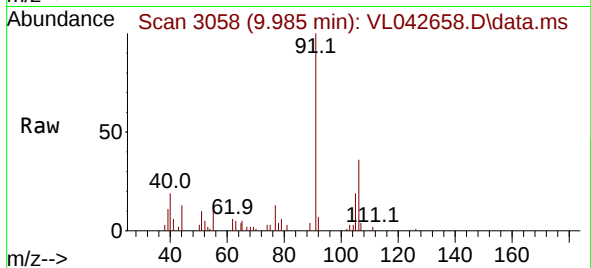
#60
o-Xylene
Concen: 0.156 ppbv
RT: 9.985 min Scan# 3053
Delta R.T. 0.016 min
Lab File: VL042658.D
Acq: 19 Jun 2025 16:52

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 91 Resp: 534
Ion Ratio Lower Upper
91 100
106 42.9 22.9 68.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.082 ppbv
RT: 10.396 min Scan# 3185
Delta R.T. 0.016 min
Lab File: VL042658.D
Acq: 19 Jun 2025 16:52

Tgt Ion: 95 Resp: 194558
Ion Ratio Lower Upper
95 100
174 62.9 53.1 79.7
175 4.6 4.2 6.2

