

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061925\
 Data File : VL042660.D
 Acq On : 19 Jun 2025 18:00
 Operator : SY/MD
 Sample : Q2368-02DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
 APPROVED

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

Quant Time: Jun 20 01:41:19 2025

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

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

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	108048	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.981	114	274999	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.904	117	237440	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	177692	9.983	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%
Target Compounds						
9) Propene	1.492	41	1258	0.171	ppbv	94
13) Ethanol	1.729	45	121725	138.678	ppbv	98
15) Acetone	1.848	43	11510m	0.884	ppbv	
19) Isopropyl Alcohol	1.894	45	2465m	0.317	ppbv	
26) Hexane	2.845	57	2590	0.160	ppbv #	46
36) Benzene	3.671	78	2840m	0.105	ppbv	
52) Tetrachloroethene	8.247	164	56199	5.554	ppbv	94
53) Toluene	6.966	91	12587	0.402	ppbv	97
59) m/p-Xylene	9.548	91	10224m	0.323	ppbv	
60) o-Xylene	9.982	91	3631m	0.115	ppbv	

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

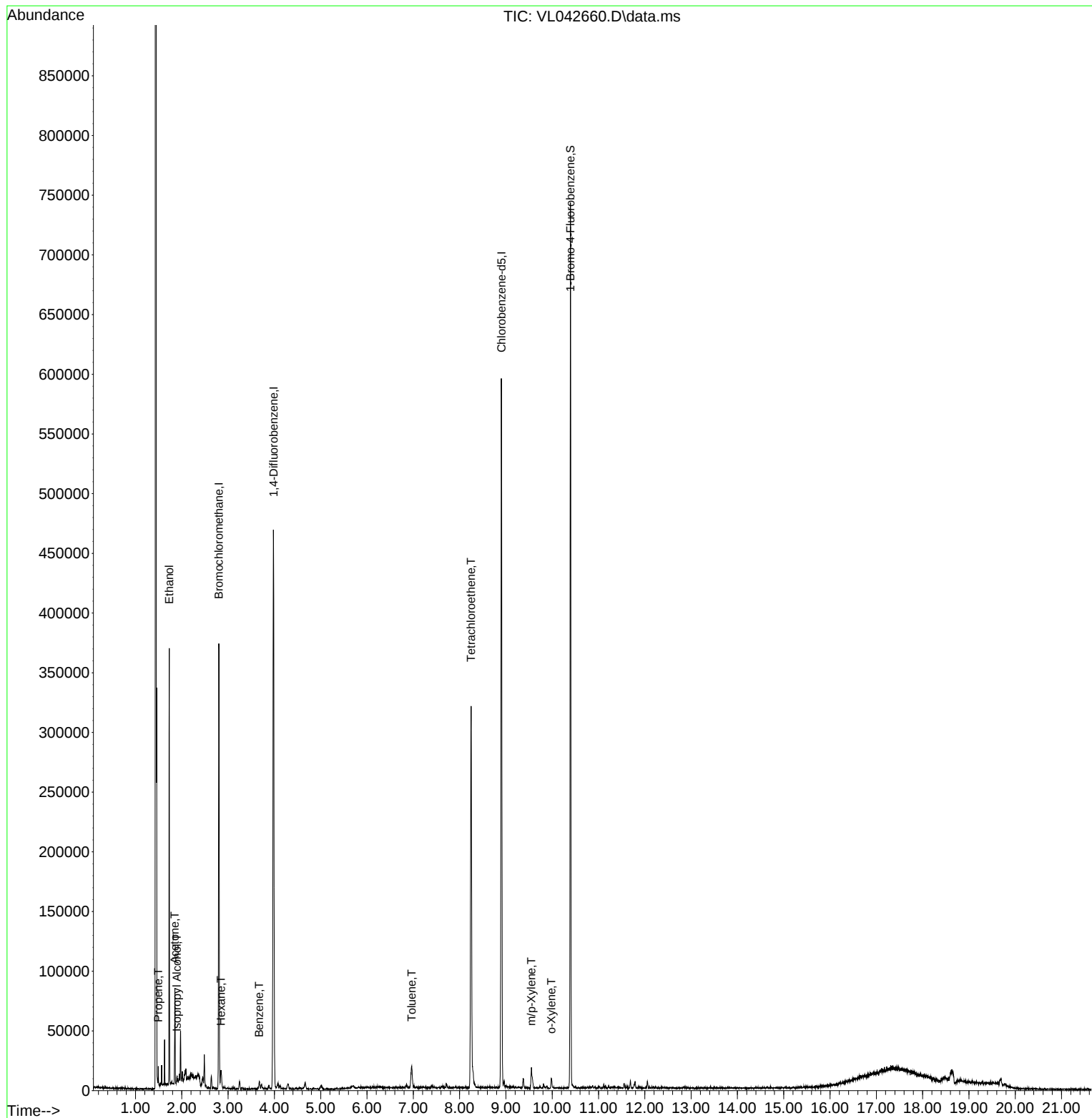
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061925\
Data File : VL042660.D
Acq On : 19 Jun 2025 18:00
Operator : SY/MD
Sample : Q2368-02DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 10 Sample Multiplier: 1

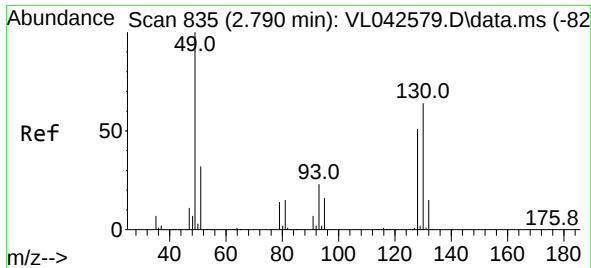
Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Manual Integrations
APPROVED

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

Quant Time: Jun 20 01:41:19 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





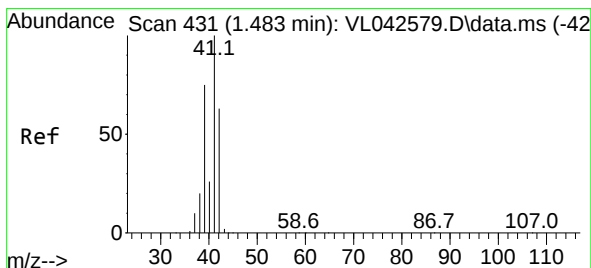
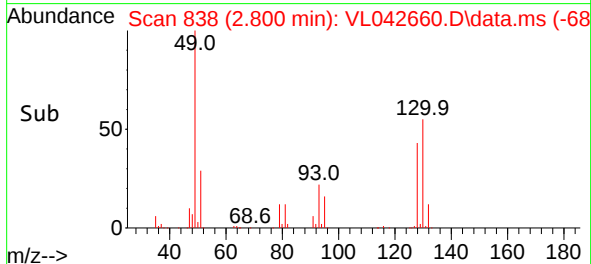
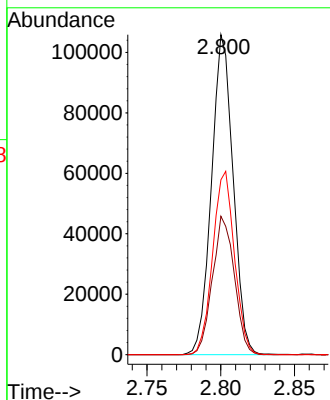
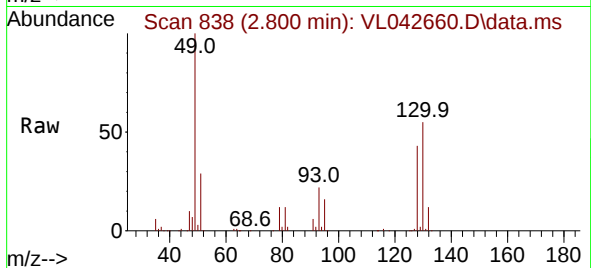
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 835
Delta R.T. 0.010 min
Lab File: VL042660.D
Acq: 19 Jun 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 49 Resp: 108048
Ion Ratio Lower Upper
49 100
128 43.8 24.2 72.6
130 57.7 30.4 91.2

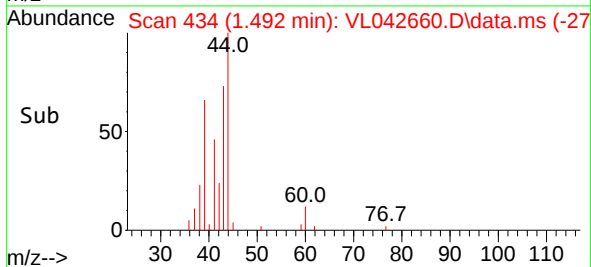
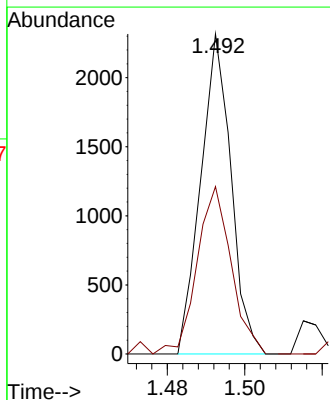
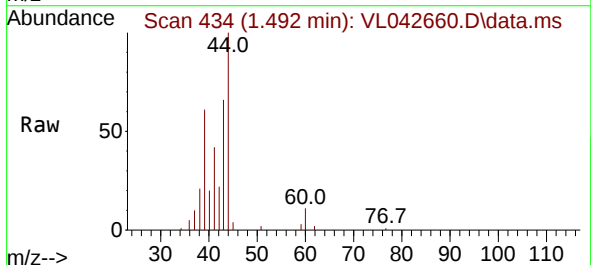
Manual Integrations
APPROVED

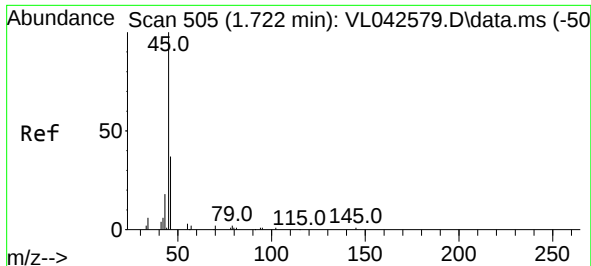
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#9
Propene
Concen: 0.171 ppbv
RT: 1.492 min Scan# 434
Delta R.T. 0.010 min
Lab File: VL042660.D
Acq: 19 Jun 2025 18:00

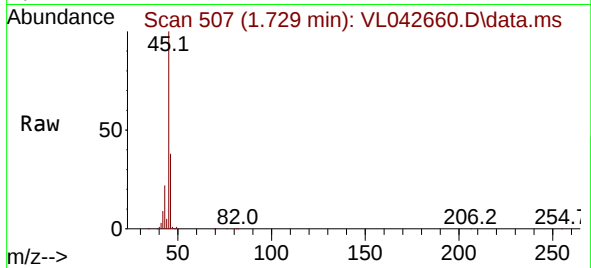
Tgt Ion: 41 Resp: 1258
Ion Ratio Lower Upper
41 100
42 61.4 53.3 79.9





#13
Ethanol
Concen: 138.678 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.007 min
Lab File: VL042660.D
Acq: 19 Jun 2025 18:00

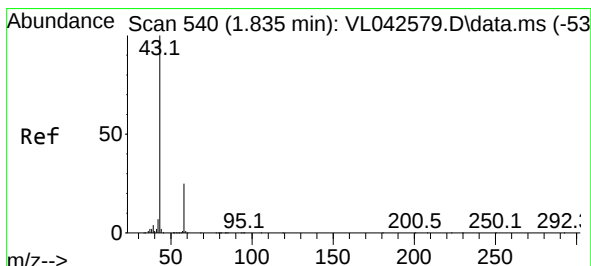
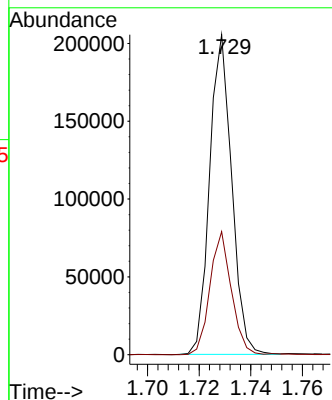
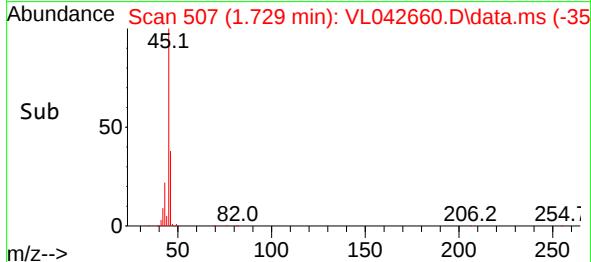
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



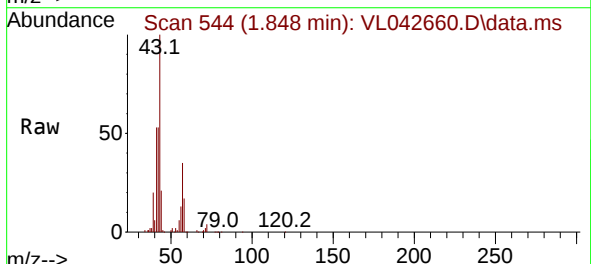
Tgt Ion: 45 Resp: 121729
Ion Ratio Lower Upper
45 100
46 37.7 14.5 58.1

Manual Integrations
APPROVED

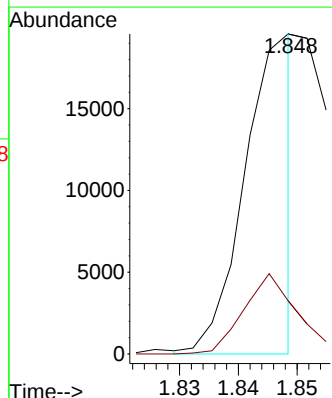
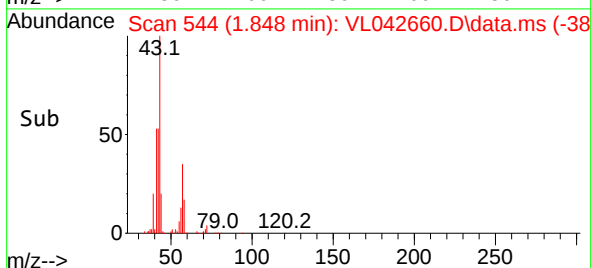
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

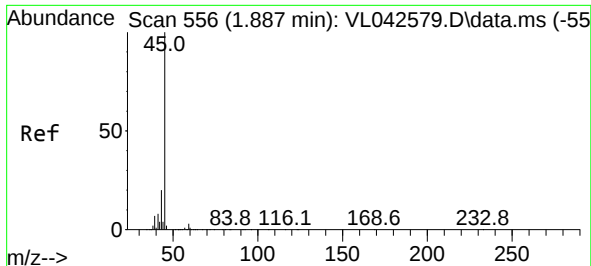


#15
Acetone
Concen: 0.884 ppbv m
RT: 1.848 min Scan# 544
Delta R.T. 0.013 min
Lab File: VL042660.D
Acq: 19 Jun 2025 18:00



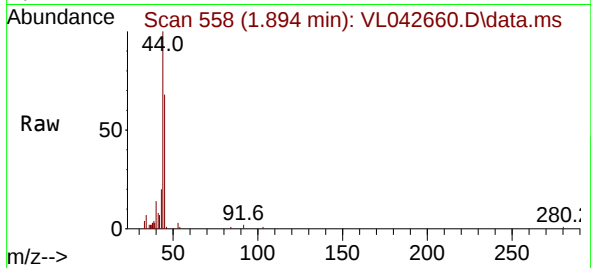
Tgt Ion: 43 Resp: 11510
Ion Ratio Lower Upper
43 100
58 28.0 21.0 31.4





#19
Isopropyl Alcohol
Concen: 0.317 ppbv m
RT: 1.894 min Scan# 51
Delta R.T. 0.007 min
Lab File: VL042660.D
Acq: 19 Jun 2025 18:00

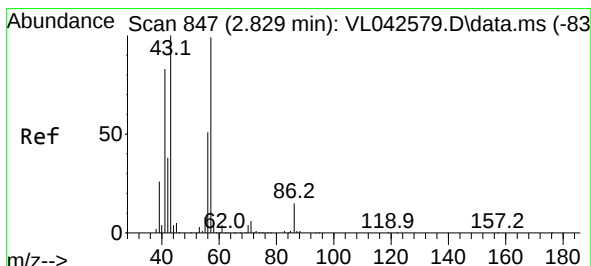
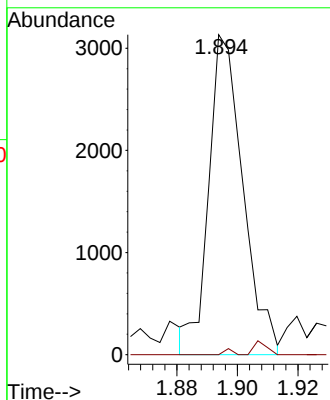
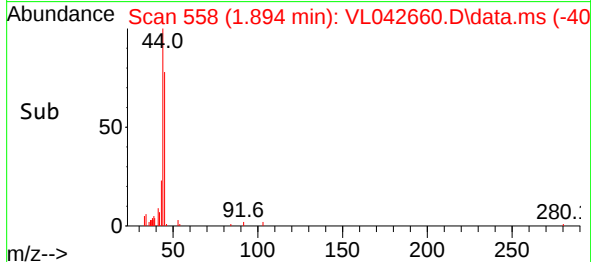
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



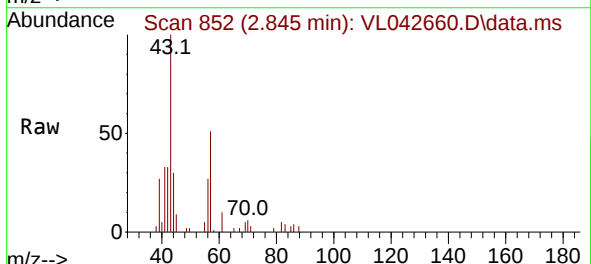
Tgt Ion: 45 Resp: 246
Ion Ratio Lower Upper
45 100
58 56.7 29.4 44.2

Manual Integrations
APPROVED

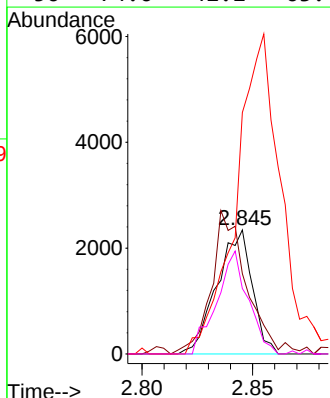
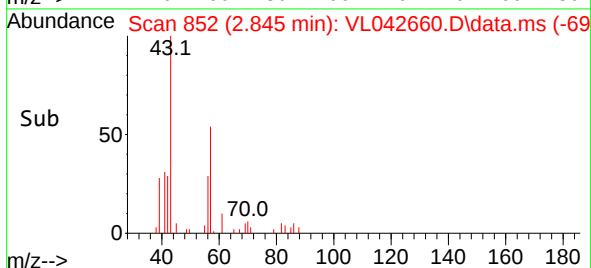
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

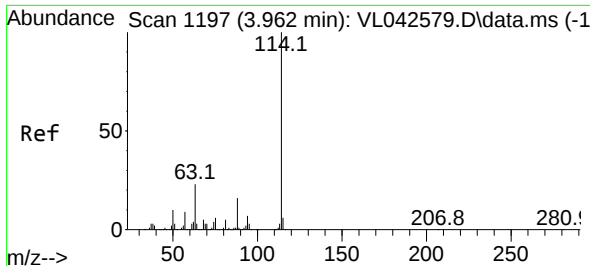


#26
Hexane
Concen: 0.160 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.016 min
Lab File: VL042660.D
Acq: 19 Jun 2025 18:00



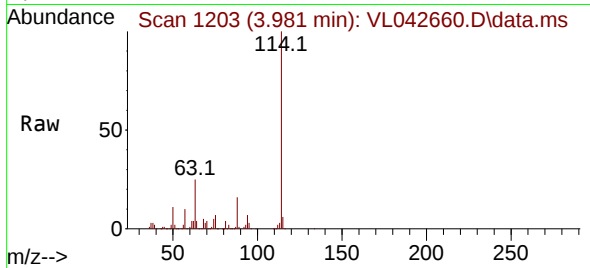
Tgt Ion: 57 Resp: 2590
Ion Ratio Lower Upper
57 100
41 118.0 70.6 106.0#
43 336.7 181.1 271.7#
56 74.6 42.2 63.4#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1197
Delta R.T. 0.020 min
Lab File: VL042660.D
Acq: 19 Jun 2025 18:00

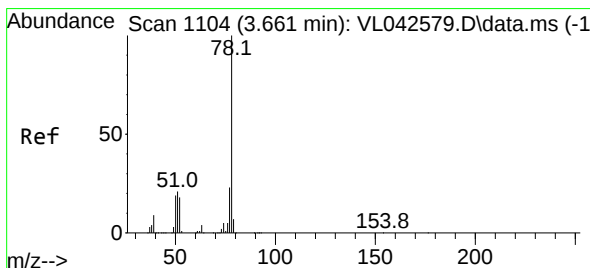
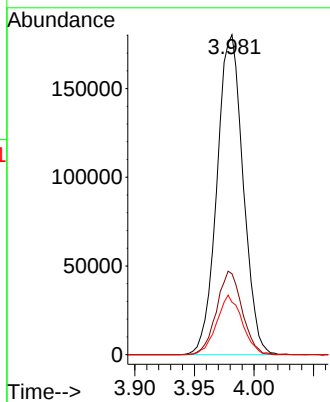
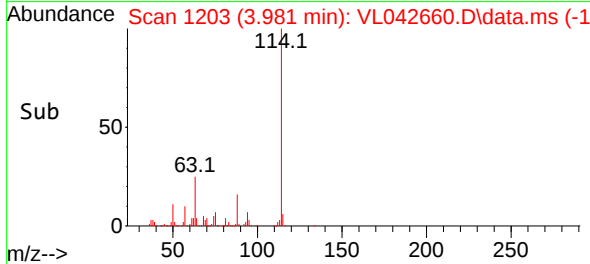
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion:114 Resp: 274999
Ion Ratio Lower Upper
114 100
63 25.5 19.0 28.6
88 18.0 13.6 20.4

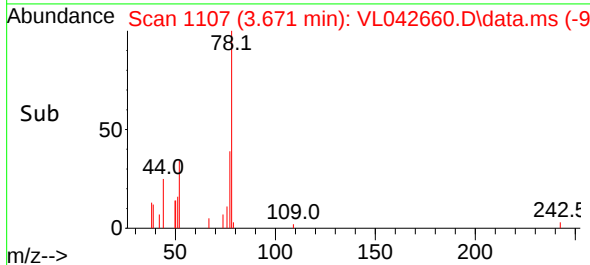
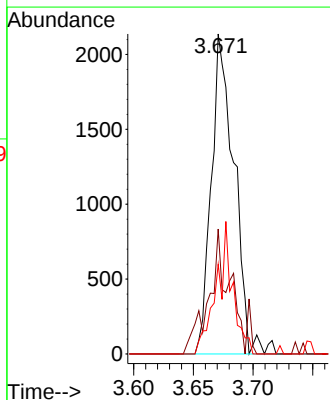
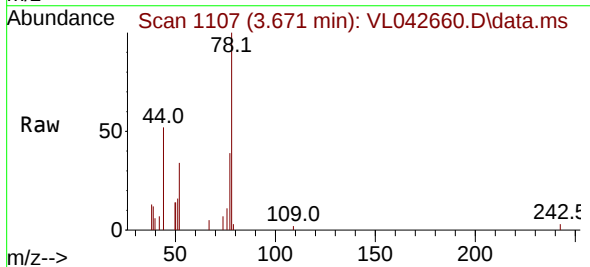
Manual Integrations
APPROVED

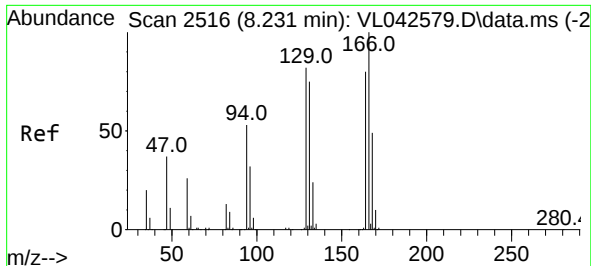
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#36
Benzene
Concen: 0.105 ppbv m
RT: 3.671 min Scan# 1107
Delta R.T. 0.010 min
Lab File: VL042660.D
Acq: 19 Jun 2025 18:00

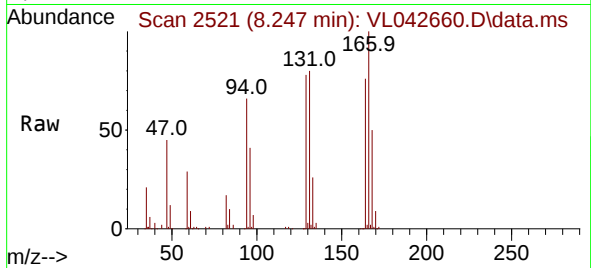
Tgt Ion: 78 Resp: 2840
Ion Ratio Lower Upper
78 100
77 39.1 18.2 27.2#
50 14.2 15.2 22.8#





#52
Tetrachloroethene
Concen: 5.554 ppbv
RT: 8.247 min Scan# 2125
Delta R.T. 0.016 min
Lab File: VL042660.D
Acq: 19 Jun 2025 18:00

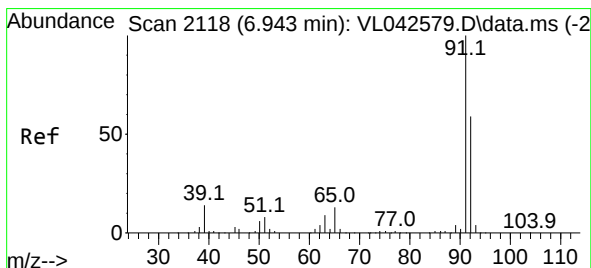
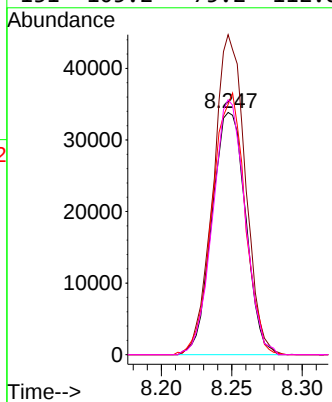
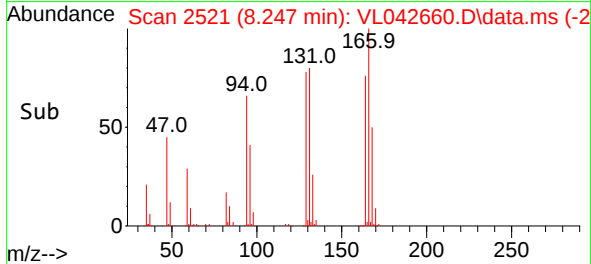
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion:164 Resp: 56199
Ion Ratio Lower Upper
164 100
166 132.1 100.0 150.0
129 102.8 82.2 123.4
131 105.2 75.2 112.8

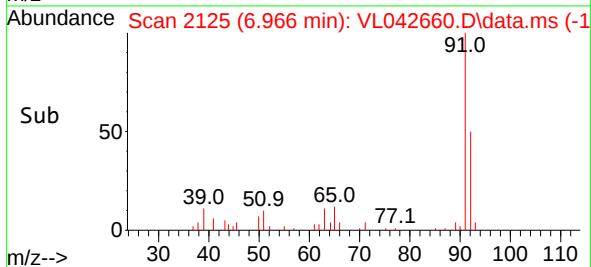
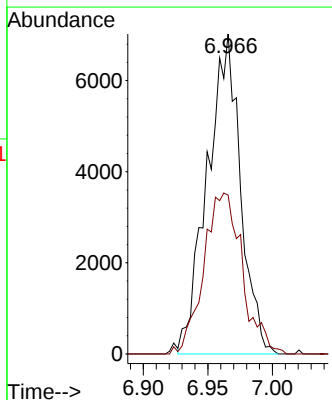
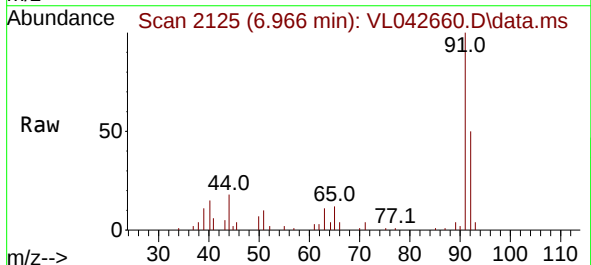
Manual Integrations
APPROVED

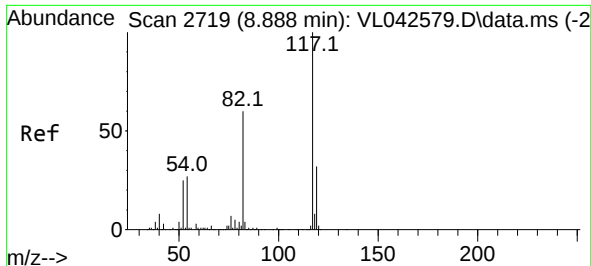
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#53
Toluene
Concen: 0.402 ppbv
RT: 6.966 min Scan# 2125
Delta R.T. 0.023 min
Lab File: VL042660.D
Acq: 19 Jun 2025 18:00

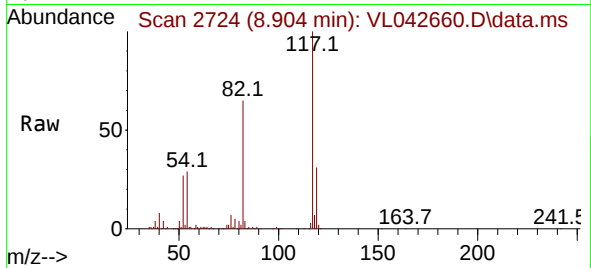
Tgt Ion: 91 Resp: 12587
Ion Ratio Lower Upper
91 100
92 58.3 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL042660.D
Acq: 19 Jun 2025 18:00

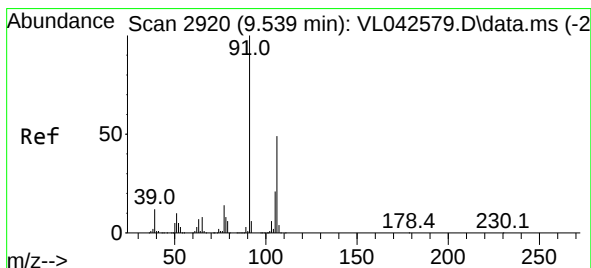
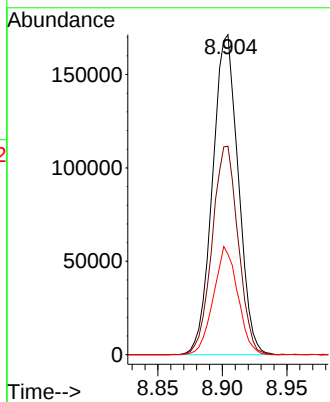
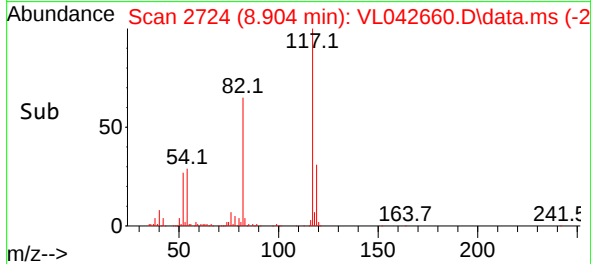
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion:117 Resp: 237440
Ion Ratio Lower Upper
117 100
82 65.8 51.2 76.8
119 32.0 26.3 39.5

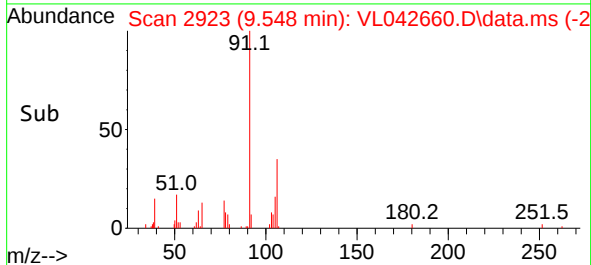
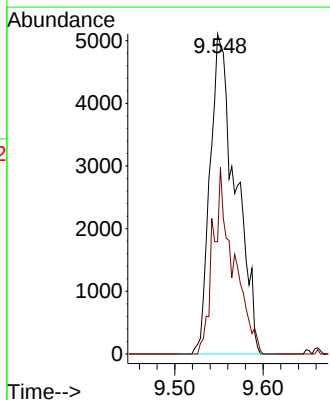
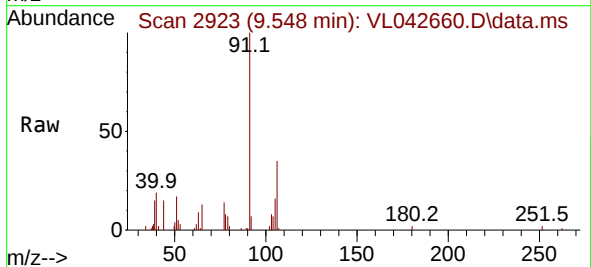
Manual Integrations
APPROVED

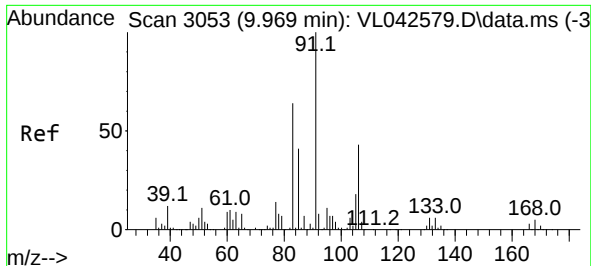
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#59
m/p-Xylene
Concen: 0.323 ppbv m
RT: 9.548 min Scan# 2923
Delta R.T. 0.010 min
Lab File: VL042660.D
Acq: 19 Jun 2025 18:00

Tgt Ion: 91 Resp: 10224
Ion Ratio Lower Upper
91 100
106 46.9 38.8 58.2





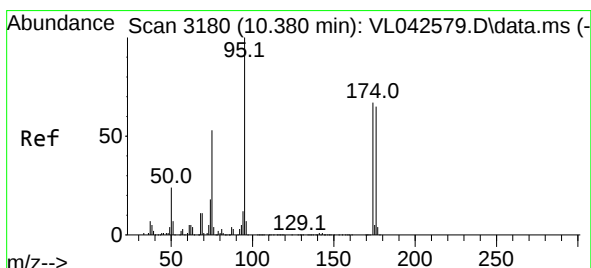
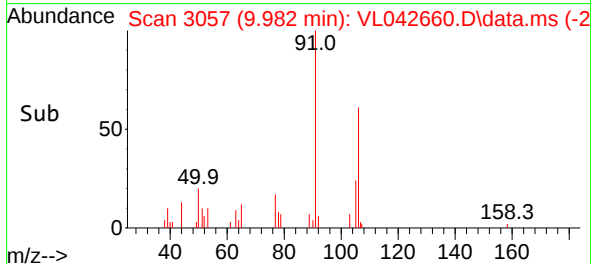
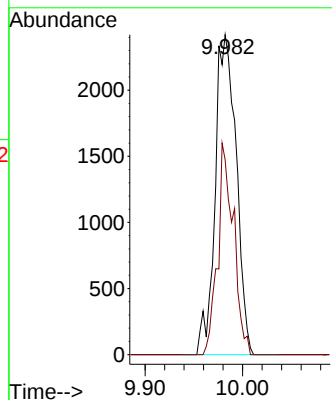
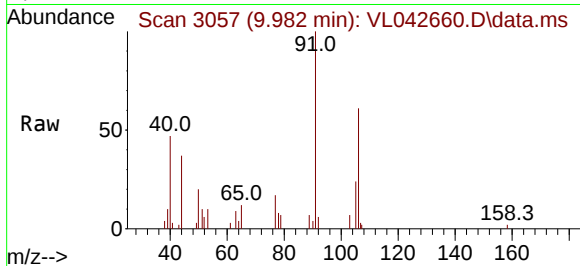
#60
o-Xylene
Concen: 0.115 ppbv m
RT: 9.982 min Scan# 3053
Delta R.T. 0.013 min
Lab File: VL042660.D
Acq: 19 Jun 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 91 Resp: 363
Ion Ratio Lower Upper
91 100
106 132.1 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: 9.983 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.013 min
Lab File: VL042660.D
Acq: 19 Jun 2025 18:00

Tgt Ion: 95 Resp: 177692
Ion Ratio Lower Upper
95 100
174 63.1 53.1 79.7
175 4.6 4.2 6.2

