

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042739.D
 Acq On : 22 Jul 2025 20:01
 Operator : SY/MD
 Sample : Q2617-03DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

Quant Time: Jul 23 03:05:30 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M

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

QLast Update : Wed Jul 23 02:51:39 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	115982	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.969	114	336933	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.882	117	290192	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	237738	10.136	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%
Target Compounds						
					Qvalue	
10) Heptane	4.982	43	3526m	0.175	ppbv	
13) Ethanol	1.722	45	7470	6.112	ppbv #	35
15) Acetone	1.836	43	139999	7.209	ppbv	97
26) Hexane	2.842	57	10839	0.689	ppbv #	39
32) 1,1,1-Trichloroethane	3.380	97	2400	0.088	ppbv	87
34) 2-Butanone	2.570	43	4662m	0.201	ppbv	
50) 4-Methyl-2-Pentanone	5.765	43	71490	2.351	ppbv	98
52) Tetrachloroethene	8.222	164	871m	0.069	ppbv	
53) Toluene	6.940	91	9328m	0.264	ppbv	
58) Ethyl Benzene	9.358	91	110276	2.275	ppbv	99
59) m/p-Xylene	9.532	91	362908	9.358	ppbv	98
60) o-Xylene	9.963	91	104367	2.665	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	9503	0.246	ppbv #	75
74) 1,2,4-Trimethylbenzene	11.536	105	9106	0.215	ppbv #	57

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

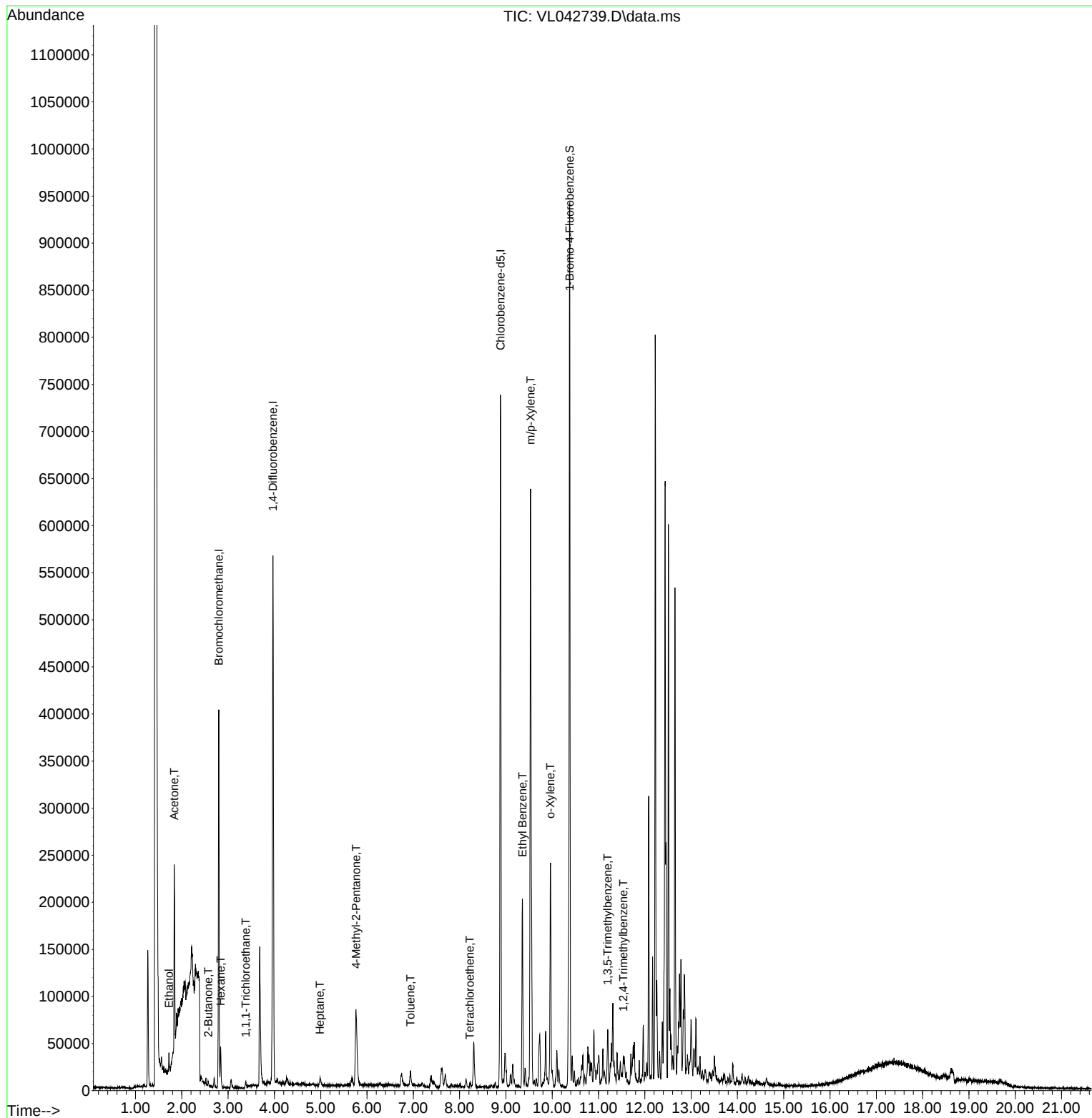
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
Data File : VL042739.D
Acq On : 22 Jul 2025 20:01
Operator : SY/MD
Sample : Q2617-03DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

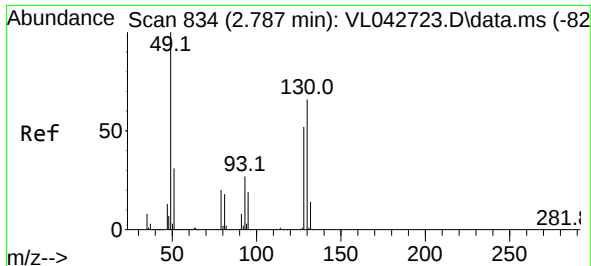
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

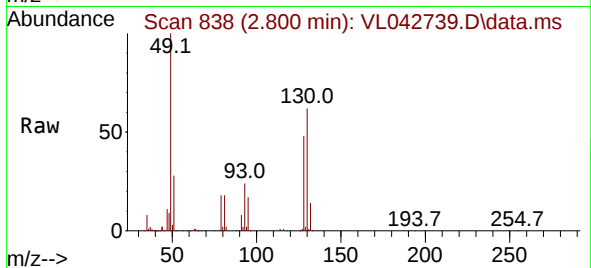
Quant Time: Jul 23 03:05:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Jul 23 02:51:39 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL042739.D
Acq: 22 Jul 2025 20:01

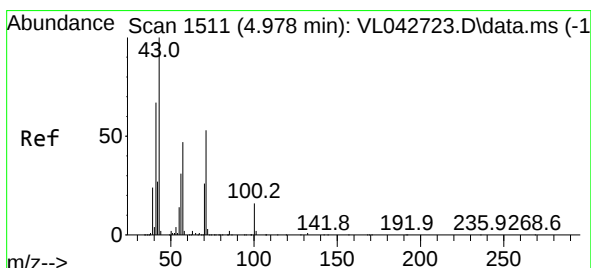
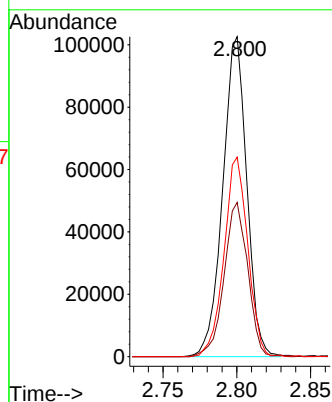
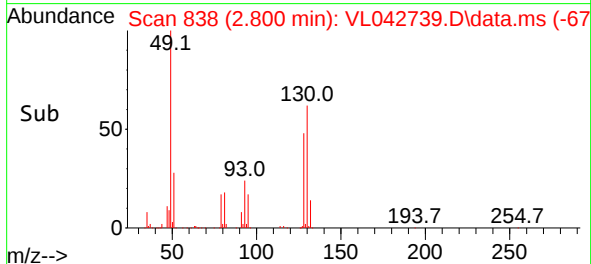
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion: 49 Resp: 11598
Ion Ratio Lower Upper
49 100
128 47.7 24.5 73.5
130 62.0 31.7 95.1

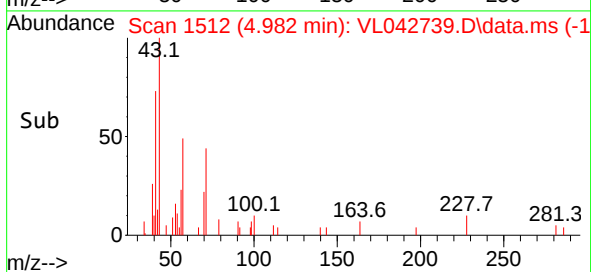
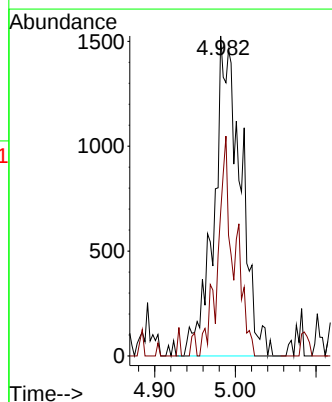
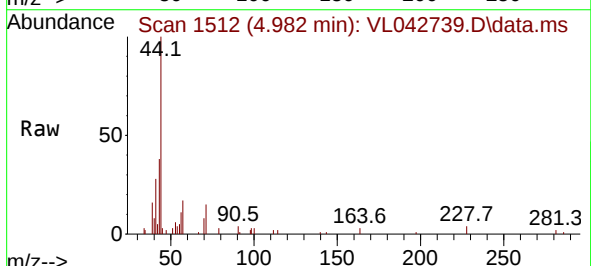
Manual Integrations
APPROVED

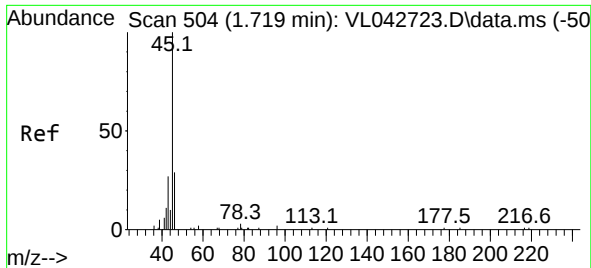
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#10
Heptane
Concen: 0.175 ppbv m
RT: 4.982 min Scan# 1512
Delta R.T. 0.004 min
Lab File: VL042739.D
Acq: 22 Jul 2025 20:01

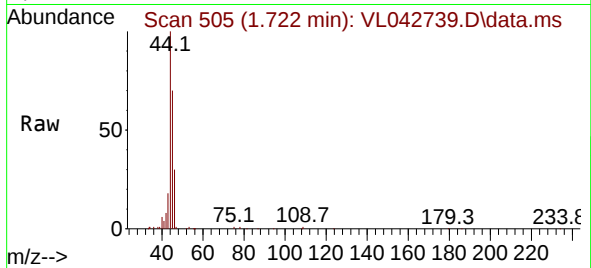
Tgt Ion: 43 Resp: 3526
Ion Ratio Lower Upper
43 100
57 0.0 39.1 58.7#





#13
Ethanol
Concen: 6.112 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.004 min
Lab File: VL042739.D
Acq: 22 Jul 2025 20:01

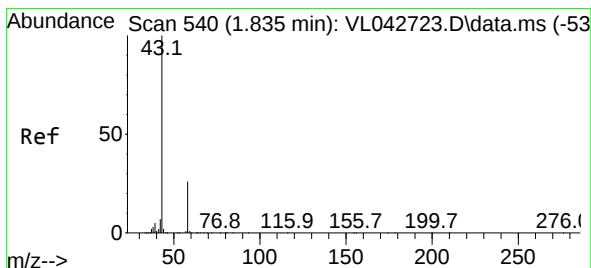
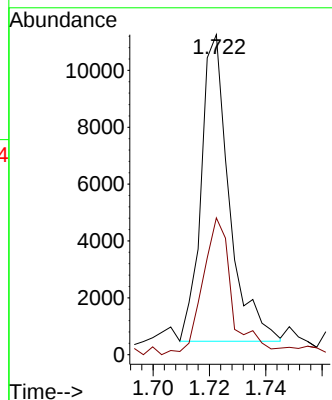
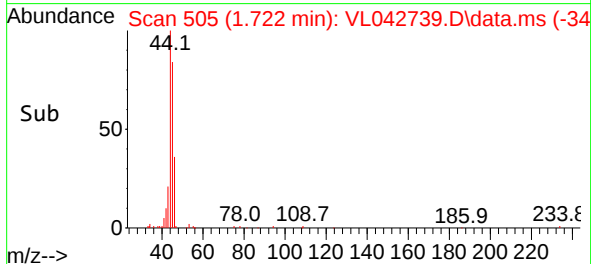
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



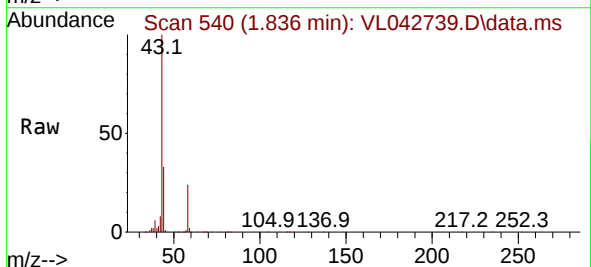
Tgt Ion: 45 Resp: 7470
Ion Ratio Lower Upper
45 100
46 0.0 16.3 65.1

Manual Integrations
APPROVED

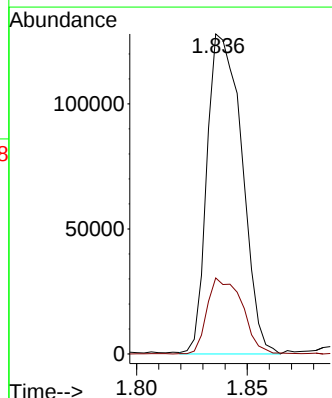
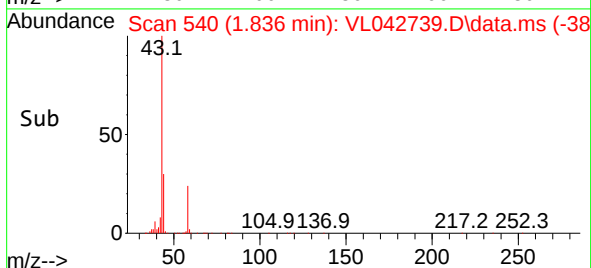
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

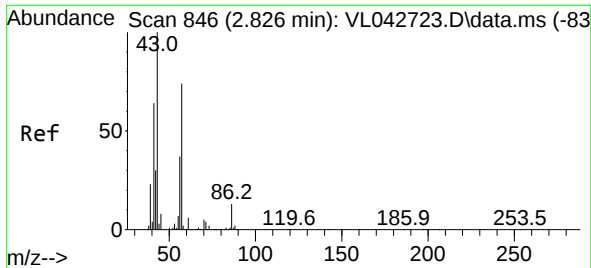


#15
Acetone
Concen: 7.209 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042739.D
Acq: 22 Jul 2025 20:01



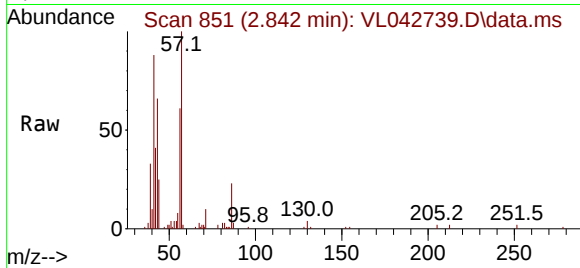
Tgt Ion: 43 Resp: 139999
Ion Ratio Lower Upper
43 100
58 24.1 20.5 30.7





#26
Hexane
Concen: 0.689 ppbv
RT: 2.842 min Scan# 81
Delta R.T. 0.017 min
Lab File: VL042739.D
Acq: 22 Jul 2025 20:01

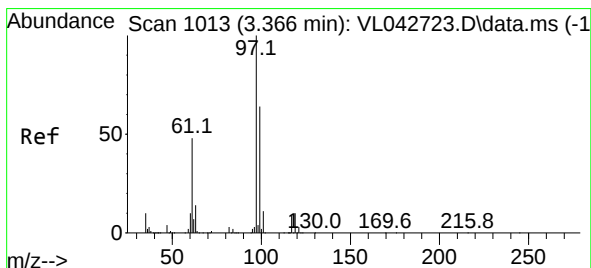
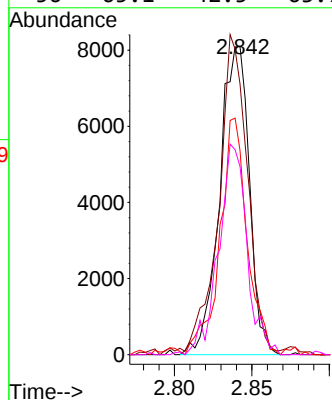
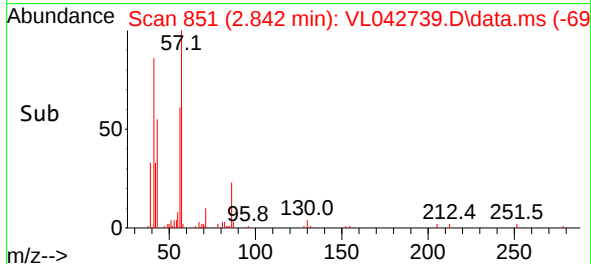
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion: 57 Resp: 10839
Ion Ratio Lower Upper
57 100
41 103.2 77.3 115.9
43 72.7 182.3 273.5
56 65.1 42.5 63.7#

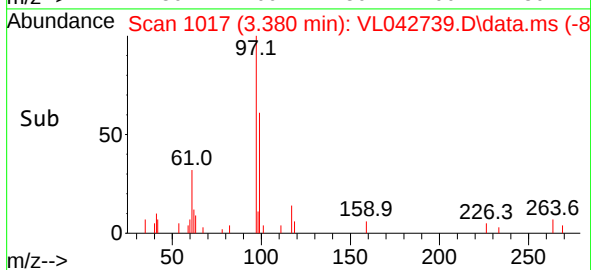
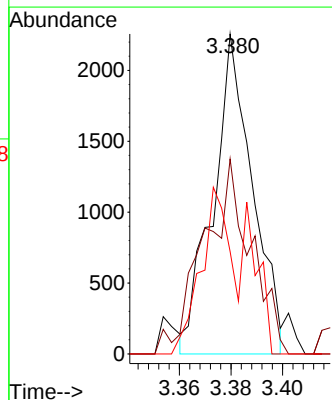
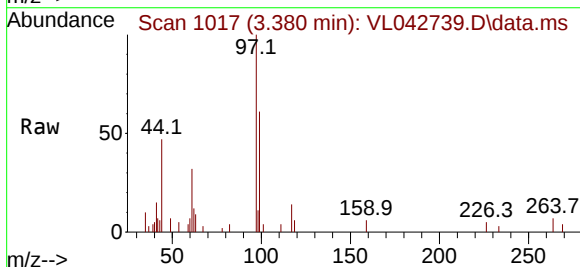
Manual Integrations
APPROVED

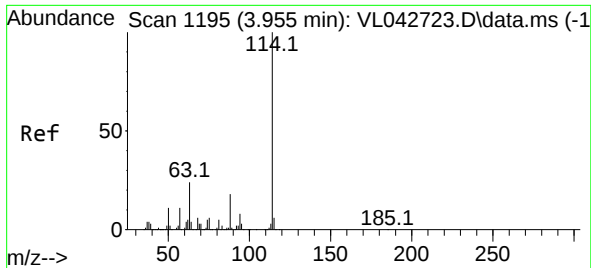
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#32
1,1,1-Trichloroethane
Concen: 0.088 ppbv
RT: 3.380 min Scan# 1017
Delta R.T. 0.013 min
Lab File: VL042739.D
Acq: 22 Jul 2025 20:01

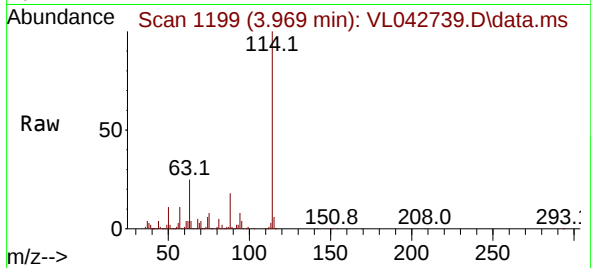
Tgt Ion: 97 Resp: 2400
Ion Ratio Lower Upper
97 100
99 75.4 51.4 77.0
61 57.4 39.6 59.4





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.969 min Scan# 1199
Delta R.T. 0.013 min
Lab File: VL042739.D
Acq: 22 Jul 2025 20:01

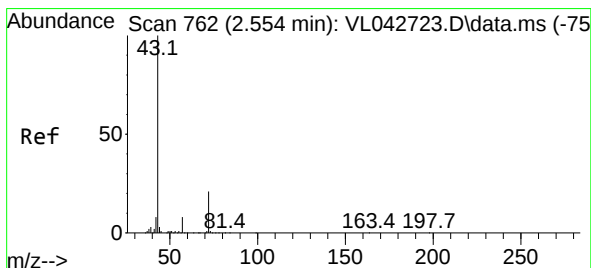
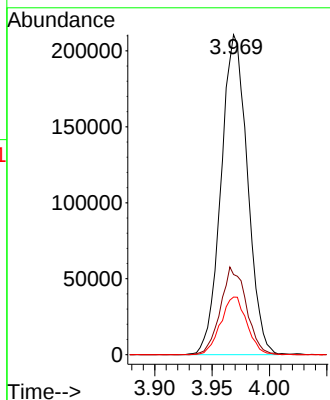
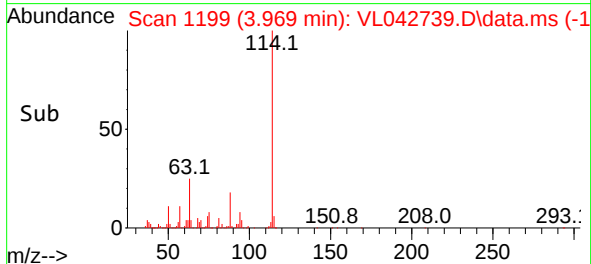
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion:114 Resp: 33693
Ion Ratio Lower Upper
114 100
63 26.8 20.4 30.6
88 17.9 14.5 21.7

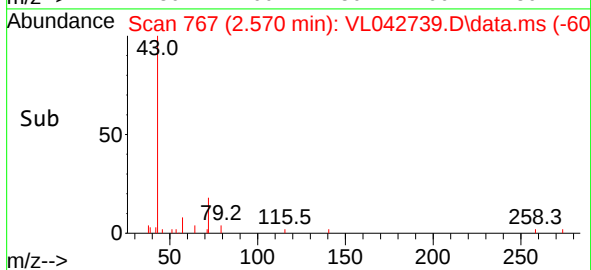
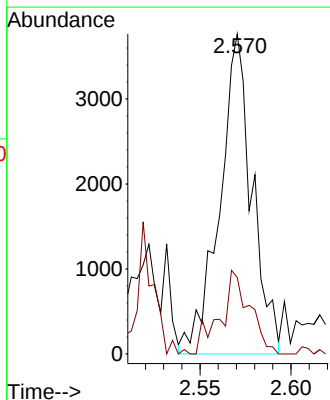
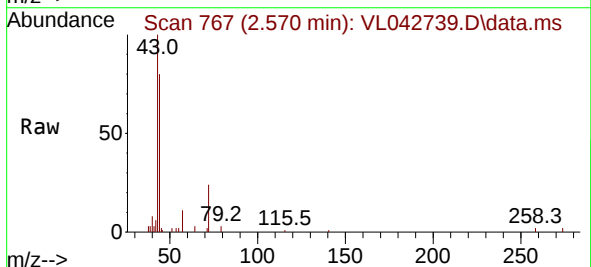
Manual Integrations
APPROVED

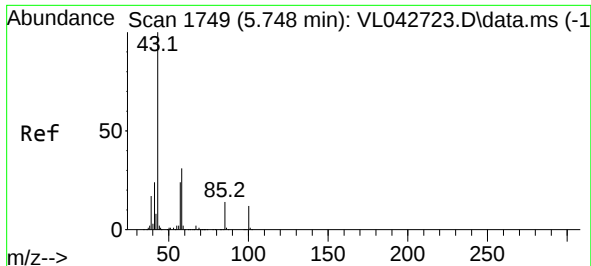
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#34
2-Butanone
Concen: 0.201 ppbv m
RT: 2.570 min Scan# 767
Delta R.T. 0.017 min
Lab File: VL042739.D
Acq: 22 Jul 2025 20:01

Tgt Ion: 43 Resp: 4662
Ion Ratio Lower Upper
43 100
72 0.0 17.0 25.6#





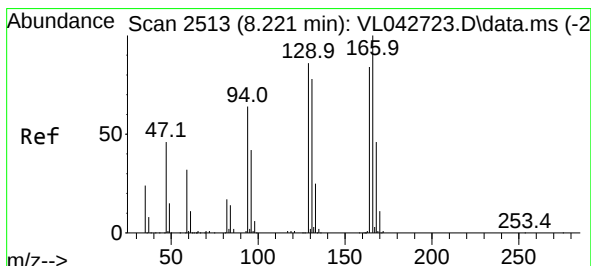
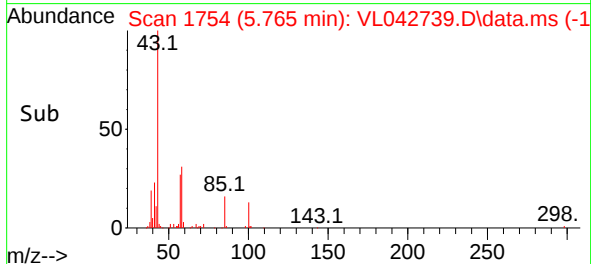
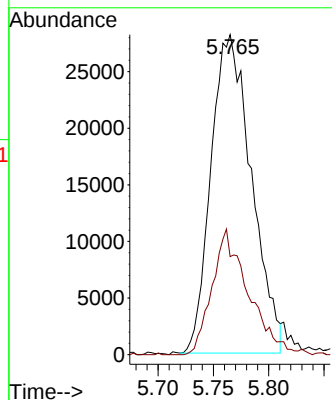
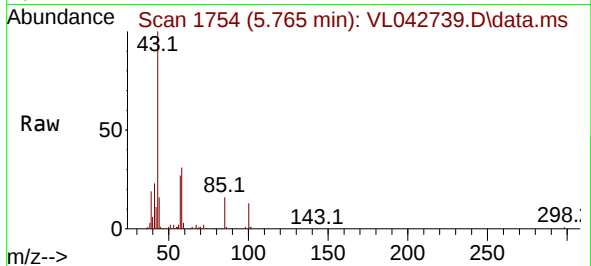
#50
4-Methyl-2-Pentanone
Concen: 2.351 ppbv
RT: 5.765 min Scan# 1749
Delta R.T. 0.017 min
Lab File: VL042739.D
Acq: 22 Jul 2025 20:01

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 43 Resp: 71490
Ion Ratio Lower Upper
43 100
58 35.5 27.6 41.4

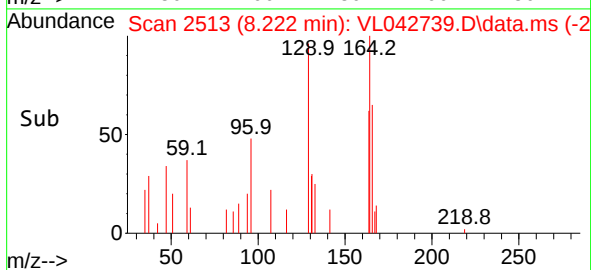
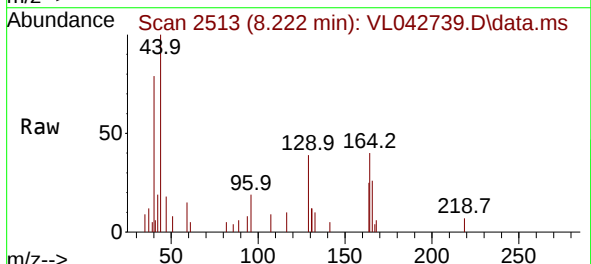
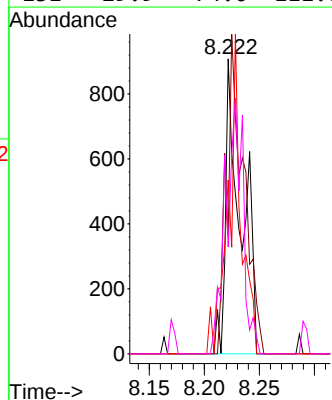
Manual Integrations
APPROVED

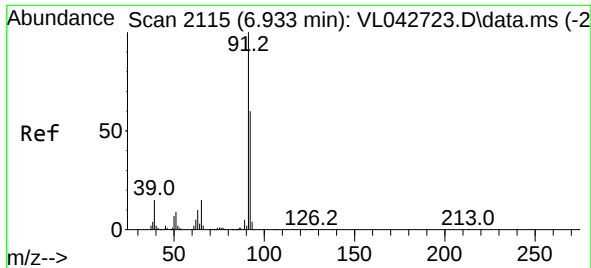
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#52
Tetrachloroethene
Concen: 0.069 ppbv m
RT: 8.222 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VL042739.D
Acq: 22 Jul 2025 20:01

Tgt Ion:164 Resp: 871
Ion Ratio Lower Upper
164 100
166 64.9 95.1 142.7#
129 95.7 81.9 122.9
131 29.9 74.0 111.0#





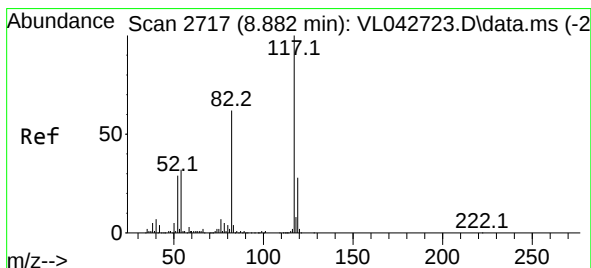
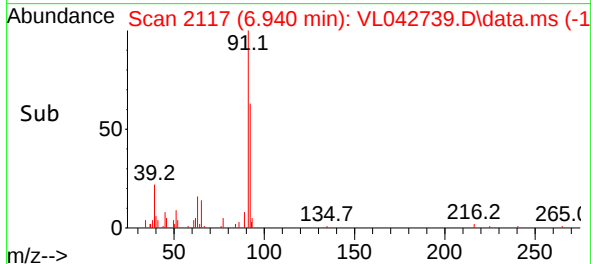
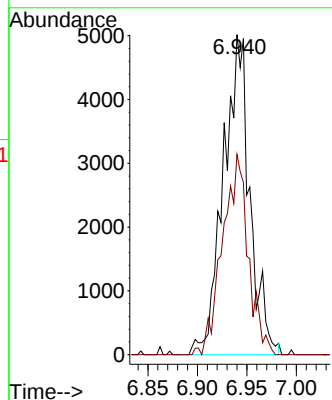
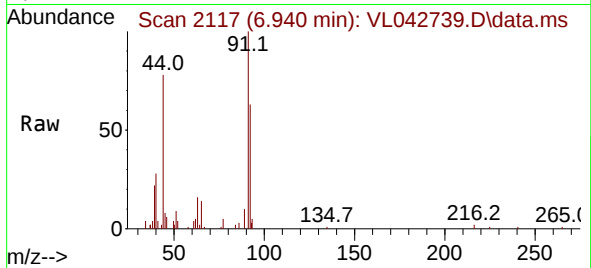
#53
Toluene
Concen: 0.264 ppbv m
RT: 6.940 min Scan# 2115
Delta R.T. 0.007 min
Lab File: VL042739.D
Acq: 22 Jul 2025 20:01

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 91 Resp: 9328
Ion Ratio Lower Upper
91 100
92 61.0 48.2 72.4

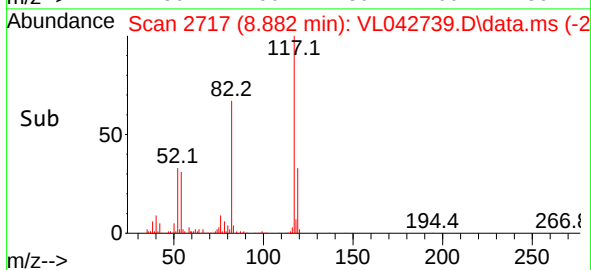
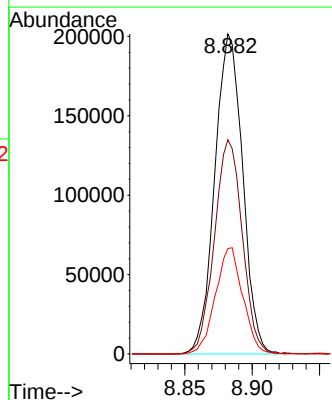
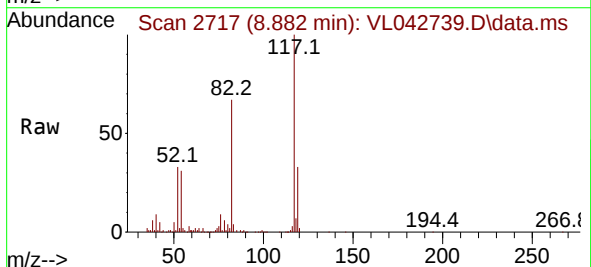
Manual Integrations
APPROVED

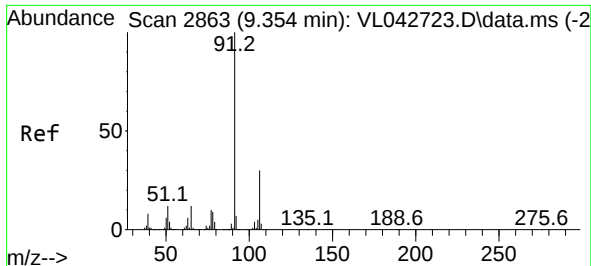
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.000 min
Lab File: VL042739.D
Acq: 22 Jul 2025 20:01

Tgt Ion:117 Resp: 290192
Ion Ratio Lower Upper
117 100
82 67.0 54.6 81.8
119 32.7 25.3 37.9





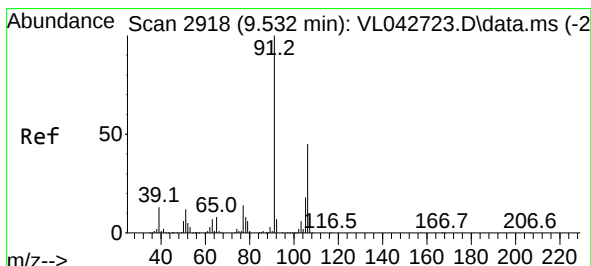
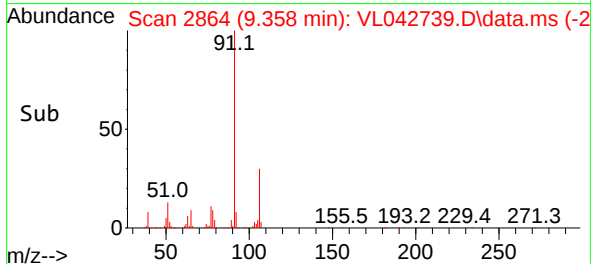
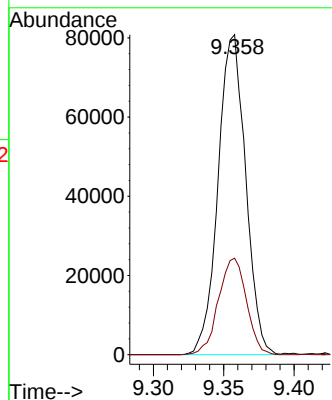
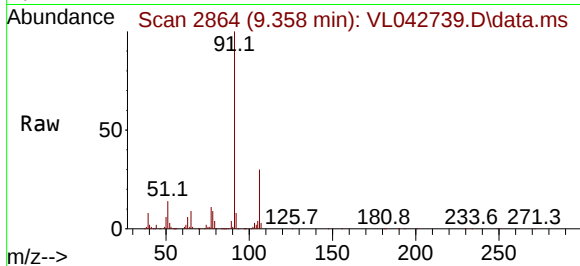
#58
Ethyl Benzene
Concen: 2.275 ppbv
RT: 9.358 min Scan# 21
Delta R.T. 0.004 min
Lab File: VL042739.D
Acq: 22 Jul 2025 20:01

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 91 Resp: 110270
Ion Ratio Lower Upper
91 100
106 30.2 23.7 35.5

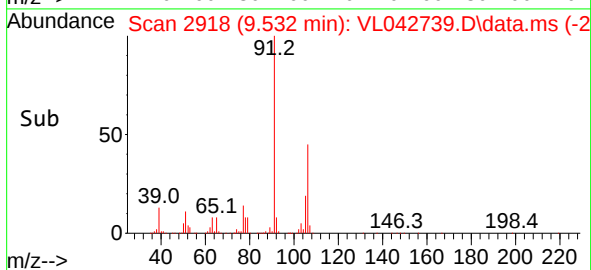
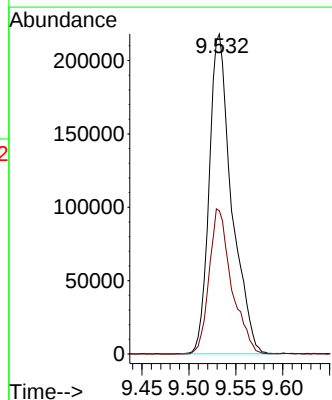
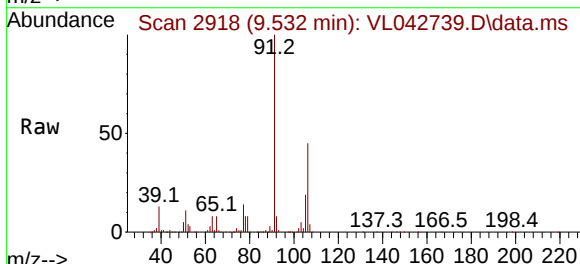
Manual Integrations
APPROVED

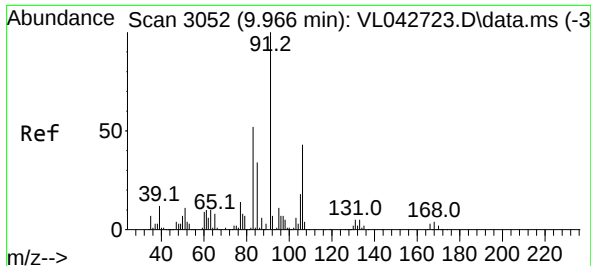
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#59
m/p-Xylene
Concen: 9.358 ppbv
RT: 9.532 min Scan# 2918
Delta R.T. 0.000 min
Lab File: VL042739.D
Acq: 22 Jul 2025 20:01

Tgt Ion: 91 Resp: 362908
Ion Ratio Lower Upper
91 100
106 45.4 37.3 55.9





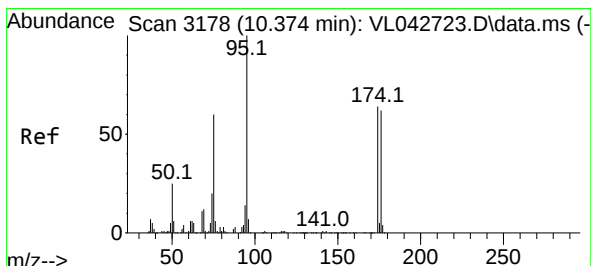
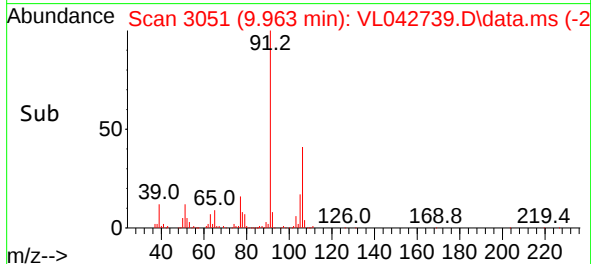
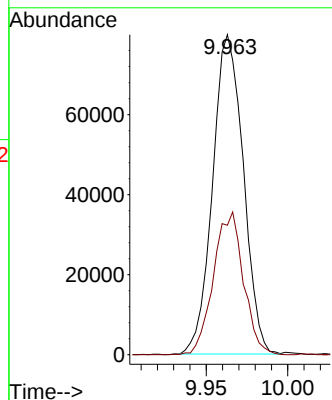
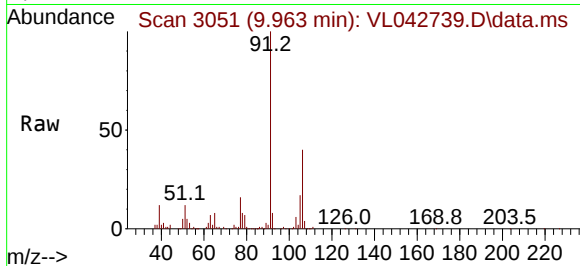
#60
o-Xylene
Concen: 2.665 ppbv
RT: 9.963 min Scan# 3052
Delta R.T. -0.003 min
Lab File: VL042739.D
Acq: 22 Jul 2025 20:01

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 91 Resp: 10436
Ion Ratio Lower Upper
91 100
106 43.6 21.4 64.3

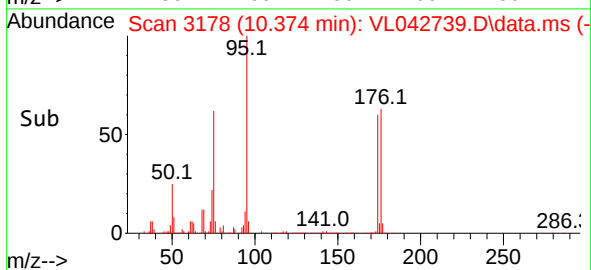
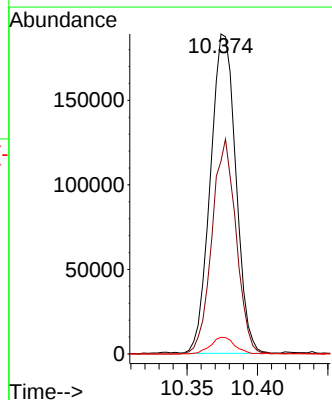
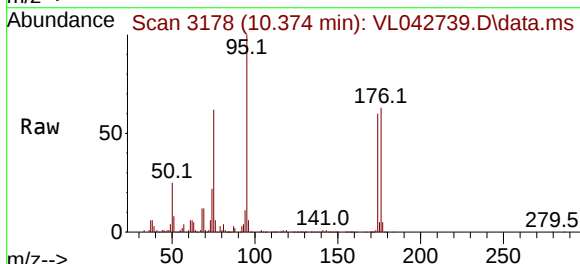
Manual Integrations
APPROVED

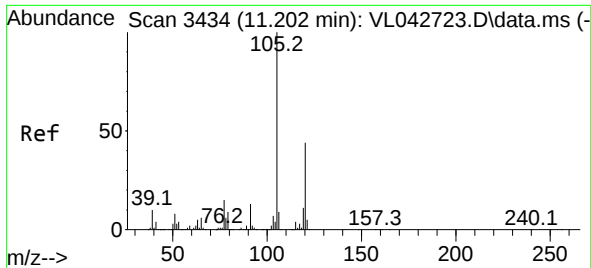
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.136 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.000 min
Lab File: VL042739.D
Acq: 22 Jul 2025 20:01

Tgt Ion: 95 Resp: 237738
Ion Ratio Lower Upper
95 100
174 63.9 51.4 77.2
175 5.1 4.2 6.4





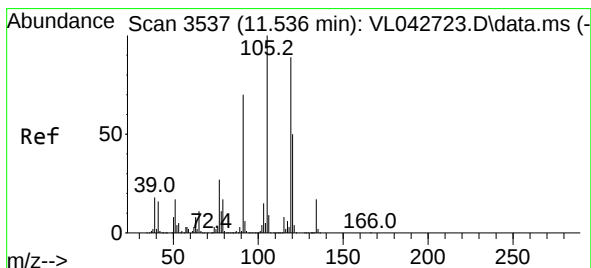
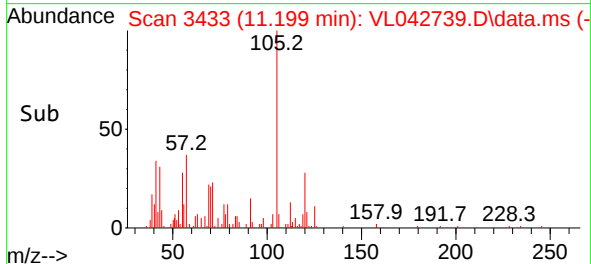
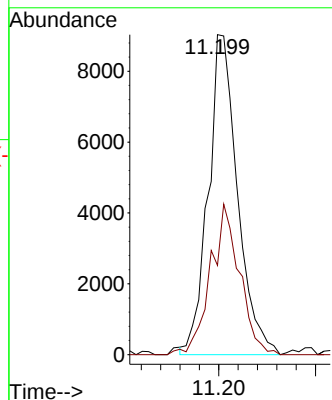
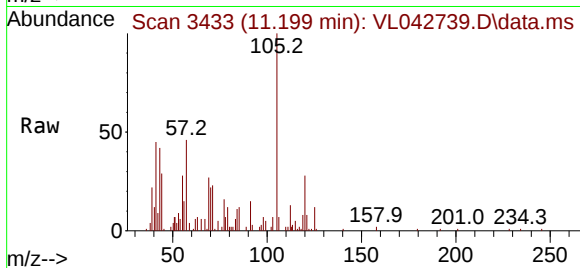
#73
1,3,5-Trimethylbenzene
Concen: 0.246 ppbv
RT: 11.199 min Scan# 3433
Delta R.T. -0.003 min
Lab File: VL042739.D
Acq: 22 Jul 2025 20:01

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion:105 Resp: 950
Ion Ratio Lower Upper
105 100
120 27.9 35.2 52.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.215 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL042739.D
Acq: 22 Jul 2025 20:01

Tgt Ion:105 Resp: 9106
Ion Ratio Lower Upper
105 100
120 39.6 39.9 59.9#
91 15.9 56.5 84.7#
77 11.0 21.8 32.6#

