

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042738.D
 Acq On : 22 Jul 2025 19:26
 Operator : SY/MD
 Sample : Q2617-03 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

Manual Integrations
 APPROVED

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

Quant Time: Jul 23 03:04:59 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	2.803	49	115018	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.972	114	333600	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.885	117	298684	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	243226	10.075	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.800%
Target Compounds						
					Qvalue	
10) Heptane	4.994	43	10820m	0.540	ppbv	
13) Ethanol	1.722	45	23800	19.636	ppbv #	35
15) Acetone	1.839	43	509091	26.435	ppbv	97
22) trans-1,2-Dichloroethene	2.353	96	806m	0.114	ppbv	
26) Hexane	2.842	57	42129	2.702	ppbv #	43
29) Chloroform	2.865	83	4612	0.179	ppbv	92
32) 1,1,1-Trichloroethane	3.383	97	9140	0.337	ppbv	95
34) 2-Butanone	2.567	43	13737	0.598	ppbv	94
50) 4-Methyl-2-Pentanone	5.758	43	283116	9.404	ppbv	99
52) Tetrachloroethene	8.231	164	3122m	0.250	ppbv	
53) Toluene	6.943	91	36253m	1.037	ppbv	
58) Ethyl Benzene	9.354	91	441265	8.844	ppbv	96
59) m/p-Xylene	9.532	91	1296005	32.469	ppbv	98
60) o-Xylene	9.963	91	395559	9.815	ppbv	98
62) Isopropylbenzene	10.536	105	9562m	0.160	ppbv	
64) n-propylbenzene	10.989	120	3437	0.227	ppbv	94
72) 4-Ethyltoluene	11.125	105	13443	0.280	ppbv #	55
73) 1,3,5-Trimethylbenzene	11.202	105	40868	1.028	ppbv	99
74) 1,2,4-Trimethylbenzene	11.536	105	37965	0.871	ppbv #	61

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

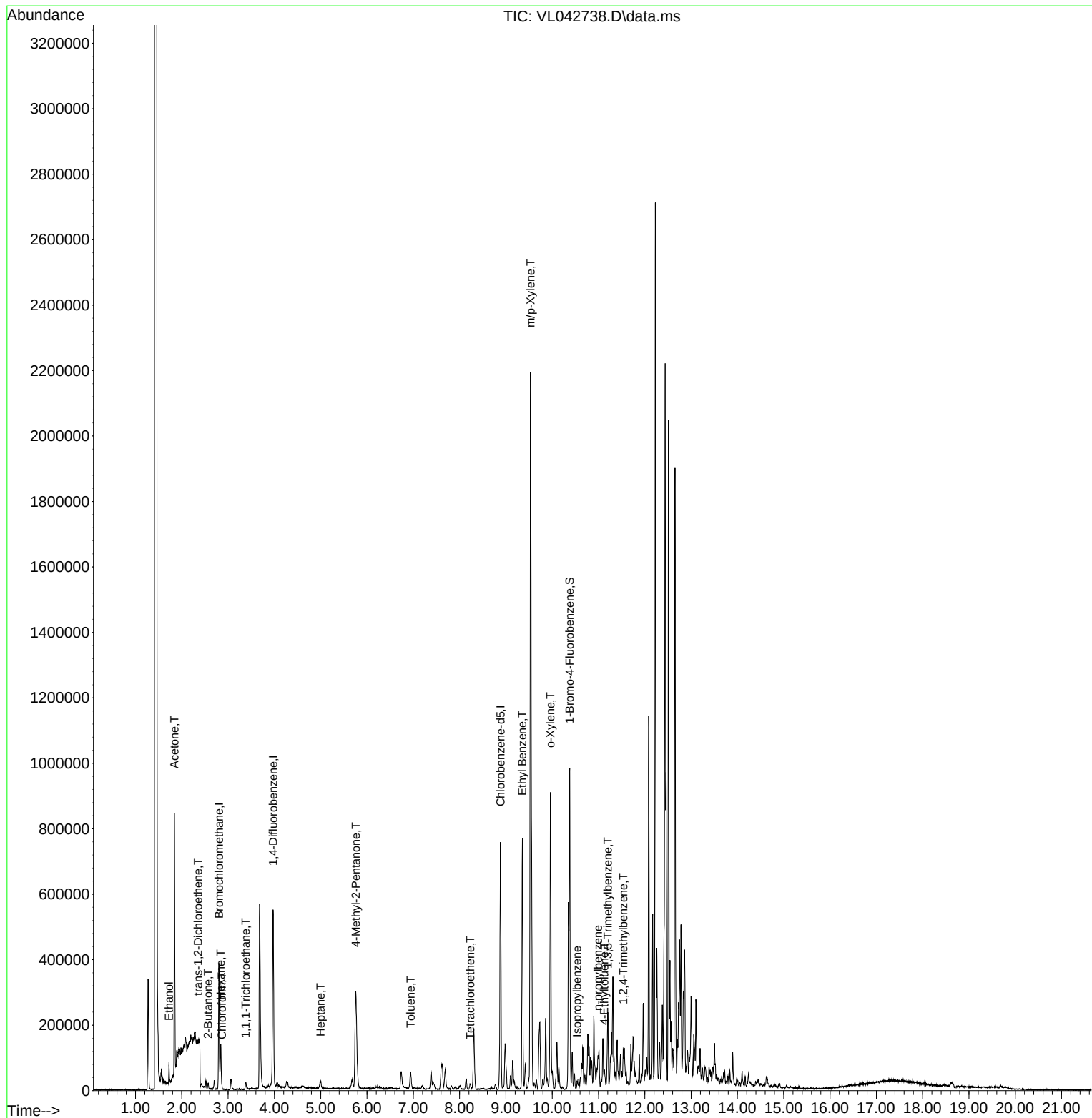
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
Data File : VL042738.D
Acq On : 22 Jul 2025 19:26
Operator : SY/MD
Sample : Q2617-03 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

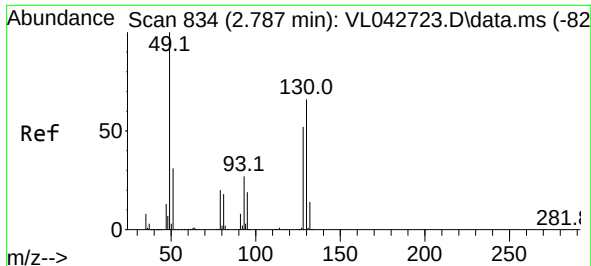
Instrument :
MSVOA_L
ClientSampleId :
SV3

Quant Time: Jul 23 03:04:59 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
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Manual Integrations
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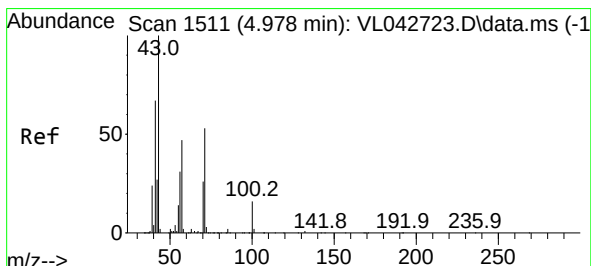
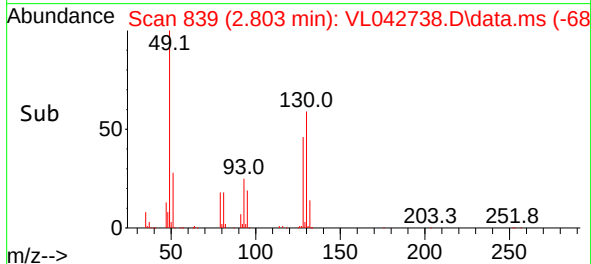
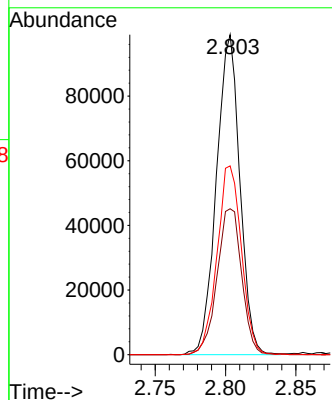
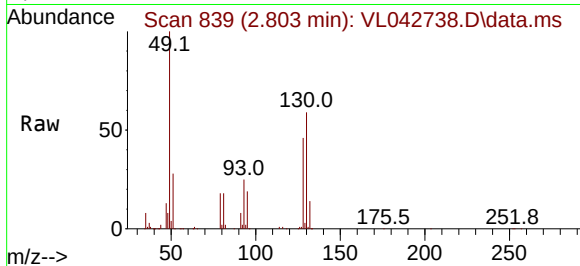
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL042738.D
Acq: 22 Jul 2025 19:26

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tgt Ion: 49 Resp: 115018
Ion Ratio Lower Upper
49 100
128 48.0 24.5 73.5
130 61.3 31.7 95.1

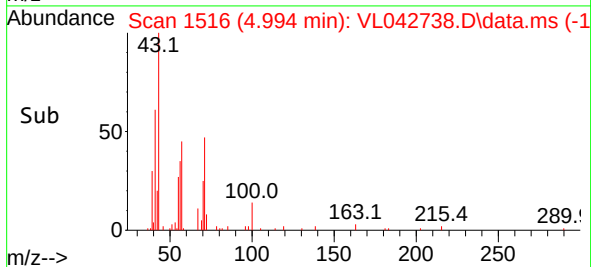
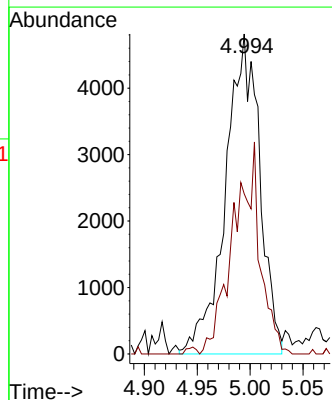
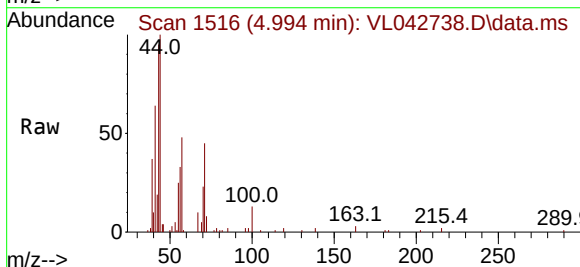
Manual Integrations
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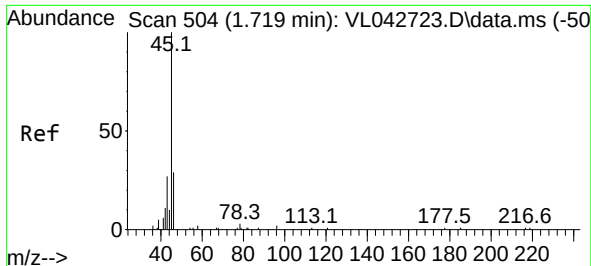
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#10
Heptane
Concen: 0.540 ppbv m
RT: 4.994 min Scan# 1516
Delta R.T. 0.016 min
Lab File: VL042738.D
Acq: 22 Jul 2025 19:26

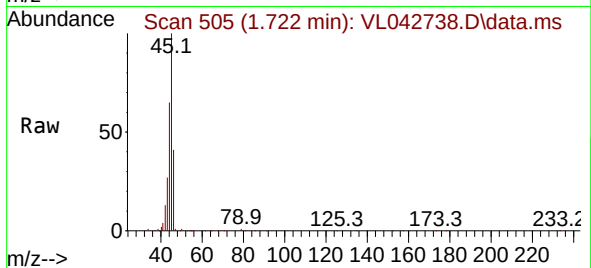
Tgt Ion: 43 Resp: 10820
Ion Ratio Lower Upper
43 100
57 52.0 39.1 58.7





#13
Ethanol
Concen: 19.636 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042738.D
Acq: 22 Jul 2025 19:26

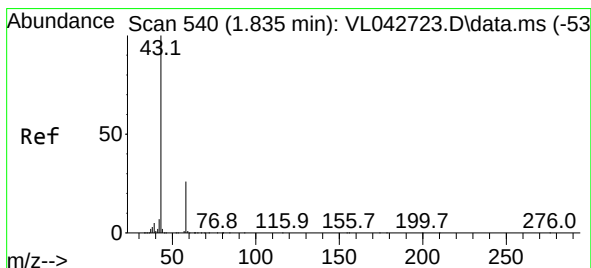
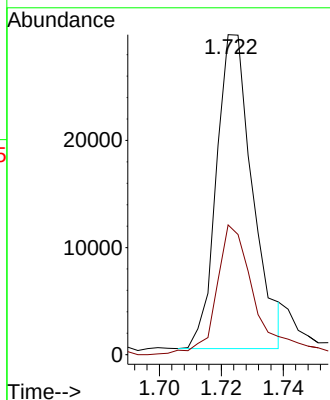
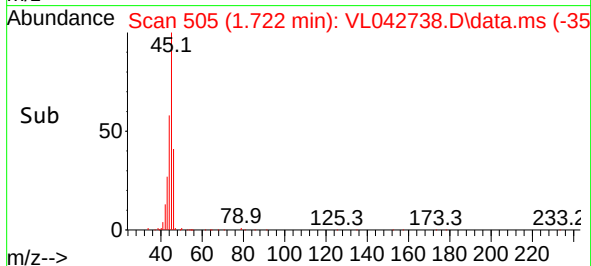
Instrument :
MSVOA_L
ClientSampleId :
SV3



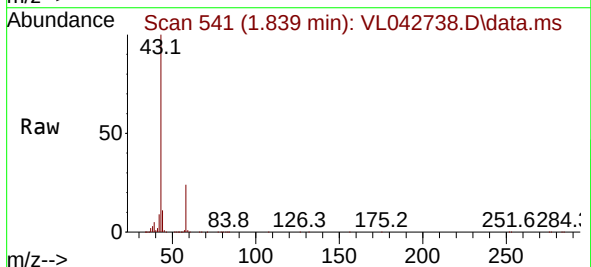
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Ion Ratio Lower Upper
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46 0.0 16.3 65.1

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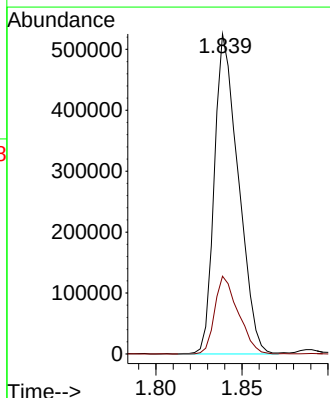
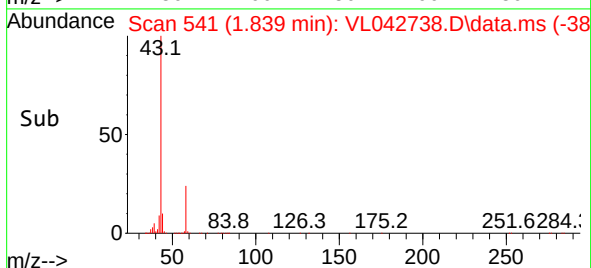
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

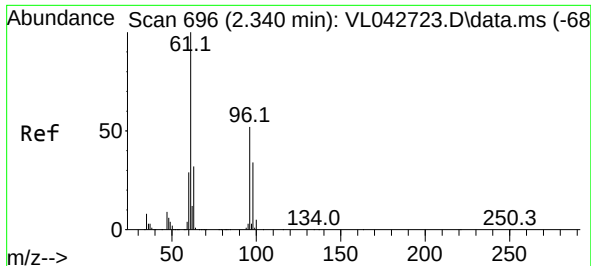


#15
Acetone
Concen: 26.435 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042738.D
Acq: 22 Jul 2025 19:26



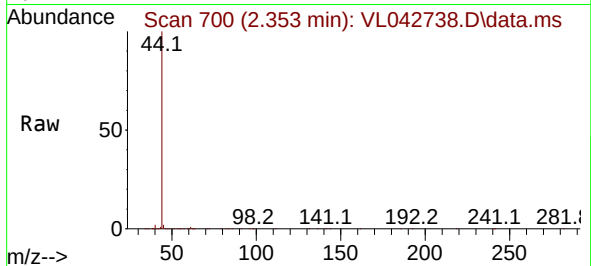
Tgt Ion: 43 Resp: 509091
Ion Ratio Lower Upper
43 100
58 23.9 20.5 30.7





#22
trans-1,2-Dichloroethene
Concen: 0.114 ppbv m
RT: 2.353 min Scan# 700
Delta R.T. 0.013 min
Lab File: VL042738.D
Acq: 22 Jul 2025 19:26

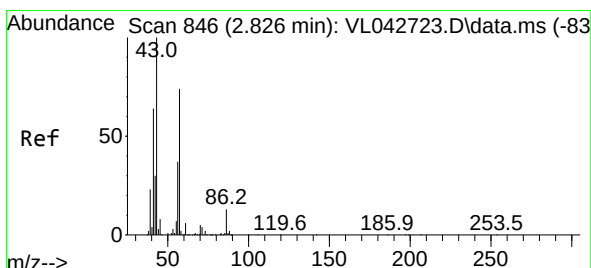
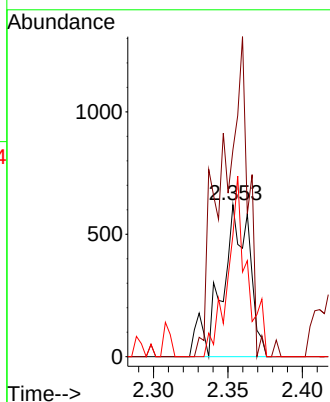
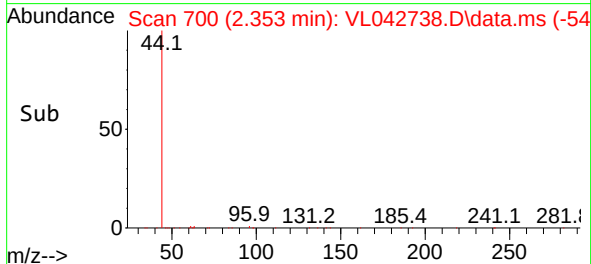
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion: 96 Resp: 800
Ion Ratio Lower Upper
96 100
61 136.1 154.6 232.0
98 53.1 53.1 79.7

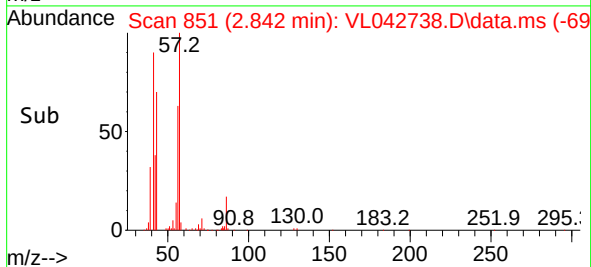
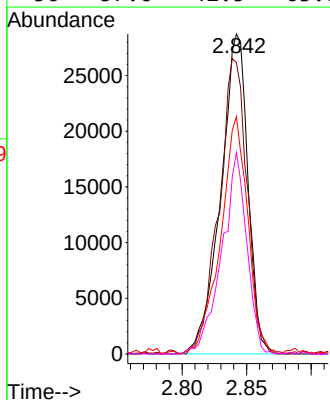
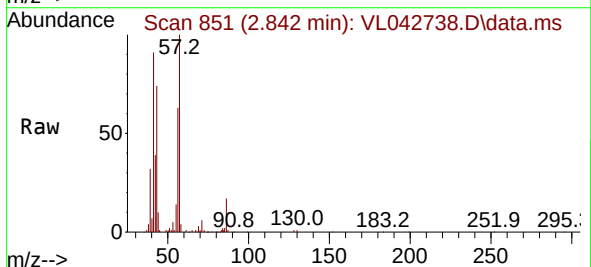
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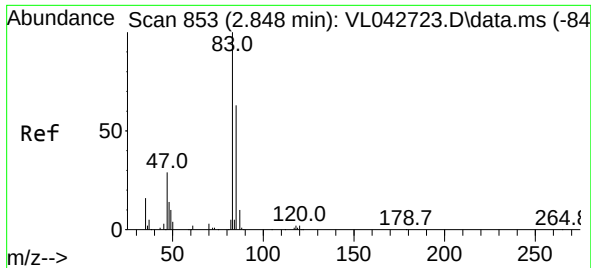
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#26
Hexane
Concen: 2.702 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.016 min
Lab File: VL042738.D
Acq: 22 Jul 2025 19:26

Tgt Ion: 57 Resp: 42129
Ion Ratio Lower Upper
57 100
41 94.8 77.3 115.9
43 75.1 182.3 273.5#
56 57.6 42.5 63.7





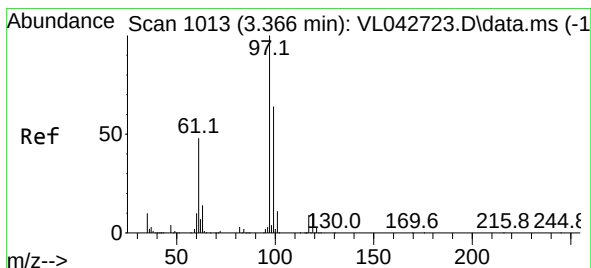
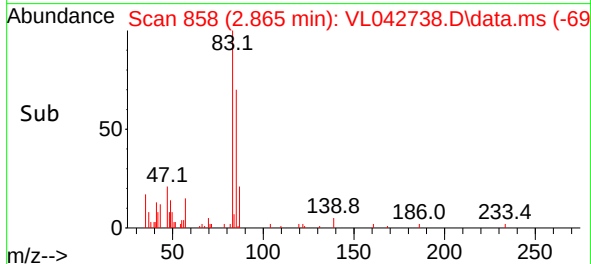
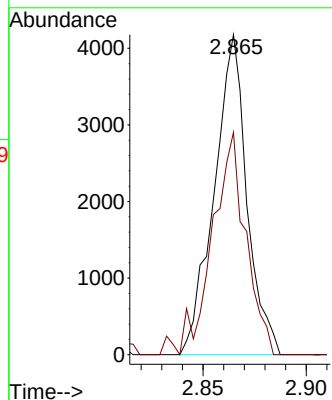
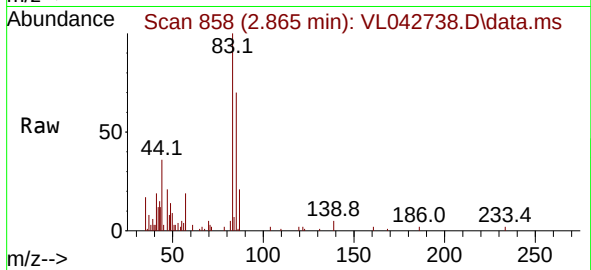
#29
Chloroform
Concen: 0.179 ppbv
RT: 2.865 min Scan# 853
Delta R.T. 0.016 min
Lab File: VL042738.D
Acq: 22 Jul 2025 19:26

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tgt Ion: 83 Resp: 4612
Ion Ratio Lower Upper
83 100
85 69.5 50.9 76.3

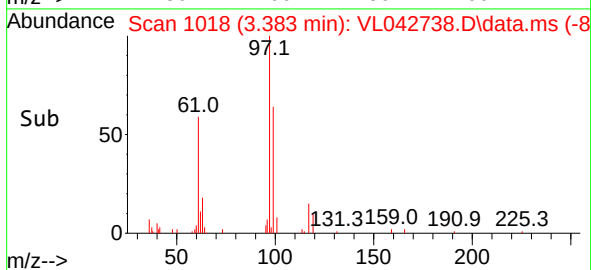
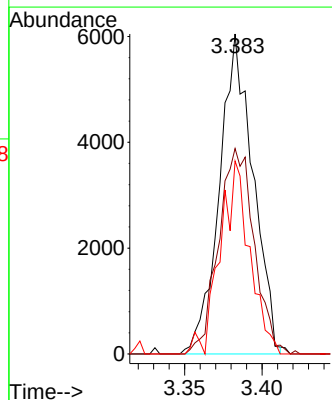
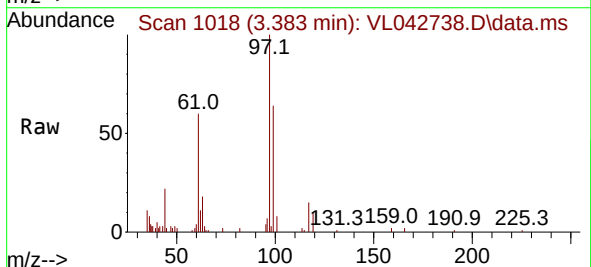
Manual Integrations
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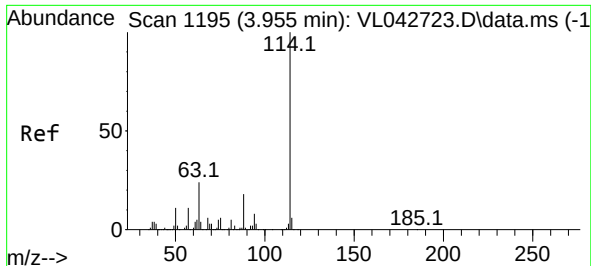
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#32
1,1,1-Trichloroethane
Concen: 0.337 ppbv
RT: 3.383 min Scan# 1018
Delta R.T. 0.016 min
Lab File: VL042738.D
Acq: 22 Jul 2025 19:26

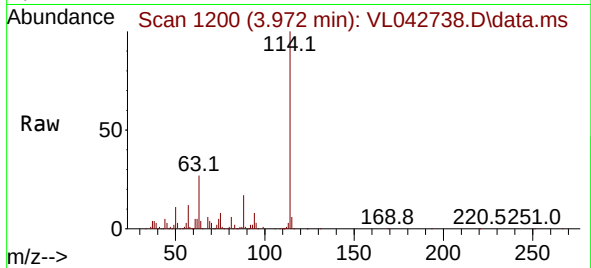
Tgt Ion: 97 Resp: 9140
Ion Ratio Lower Upper
97 100
99 68.0 51.4 77.0
61 53.2 39.6 59.4





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.972 min Scan# 1195
Delta R.T. 0.016 min
Lab File: VL042738.D
Acq: 22 Jul 2025 19:26

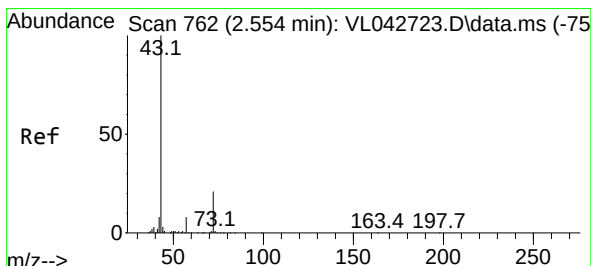
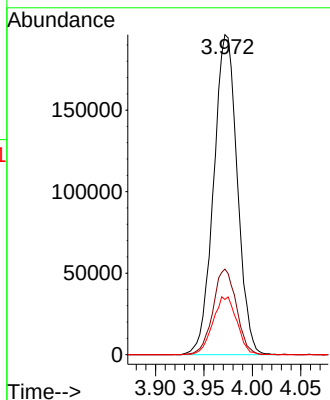
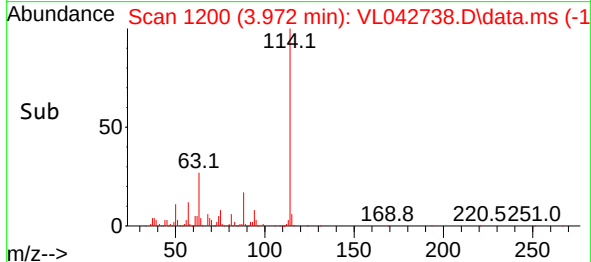
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion:114 Resp: 333600
Ion Ratio Lower Upper
114 100
63 26.5 20.4 30.6
88 18.4 14.5 21.7

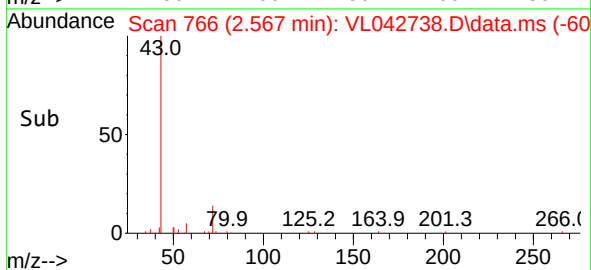
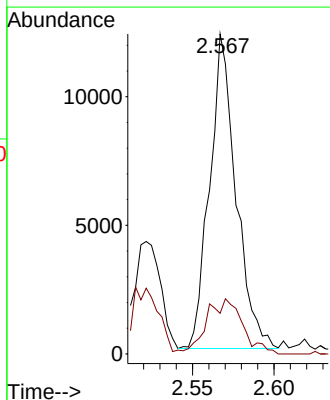
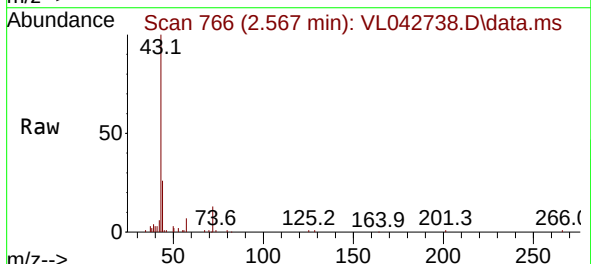
Manual Integrations
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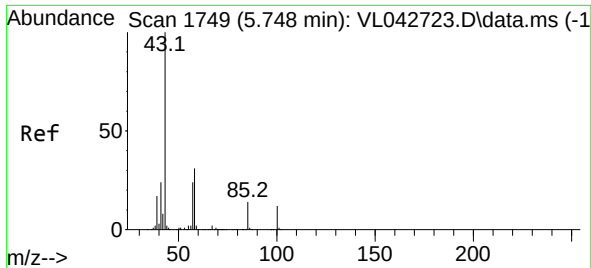
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#34
2-Butanone
Concen: 0.598 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.013 min
Lab File: VL042738.D
Acq: 22 Jul 2025 19:26

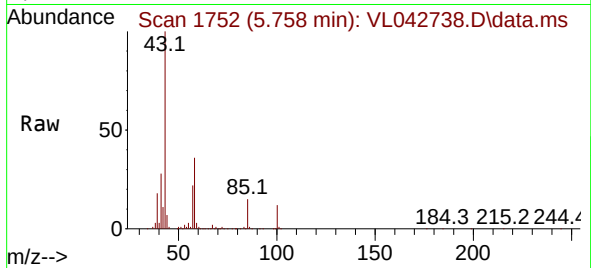
Tgt Ion: 43 Resp: 13737
Ion Ratio Lower Upper
43 100
72 24.2 17.0 25.6





#50
4-Methyl-2-Pentanone
Concen: 9.404 ppbv
RT: 5.758 min Scan# 1752
Delta R.T. 0.010 min
Lab File: VL042738.D
Acq: 22 Jul 2025 19:26

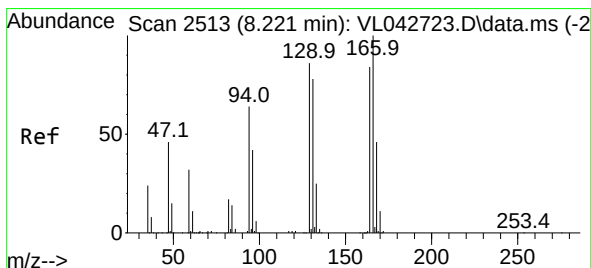
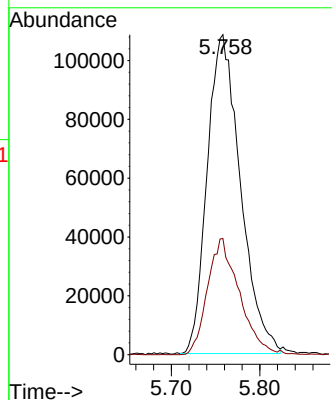
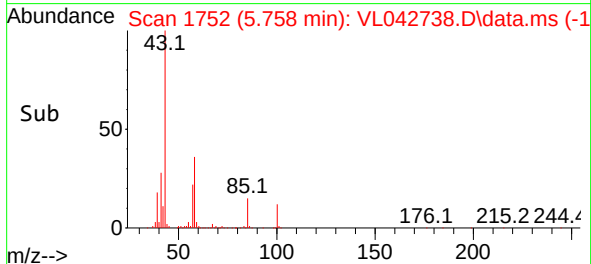
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion: 43 Resp: 283110
Ion Ratio Lower Upper
43 100
58 35.0 27.6 41.4

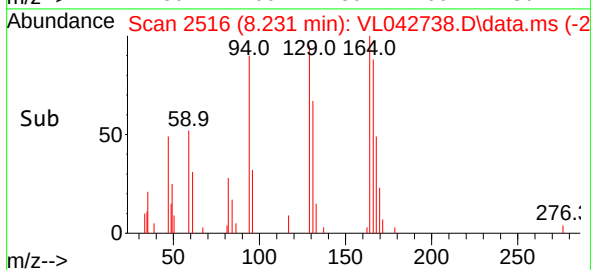
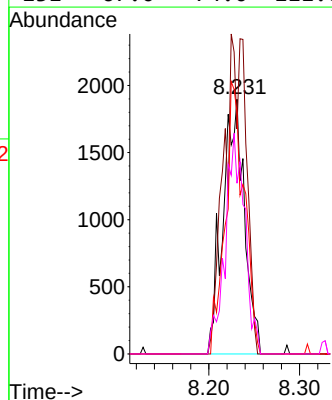
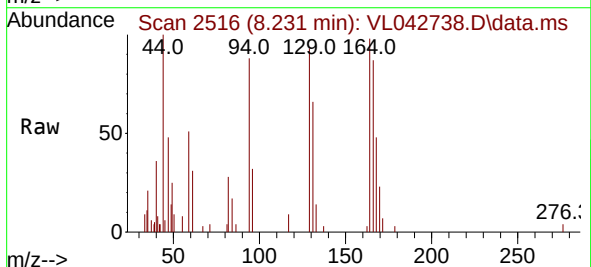
Manual Integrations
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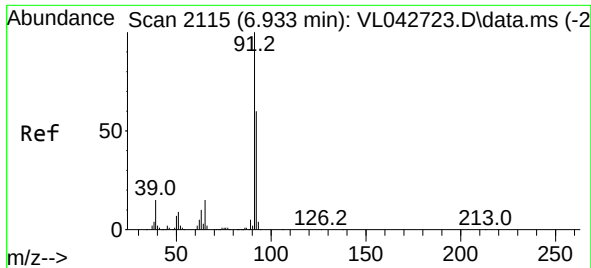
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#52
Tetrachloroethene
Concen: 0.250 ppbv m
RT: 8.231 min Scan# 2516
Delta R.T. 0.010 min
Lab File: VL042738.D
Acq: 22 Jul 2025 19:26

Tgt Ion:164 Resp: 3122
Ion Ratio Lower Upper
164 100
166 88.3 95.1 142.7#
129 94.8 81.9 122.9
131 67.0 74.0 111.0#





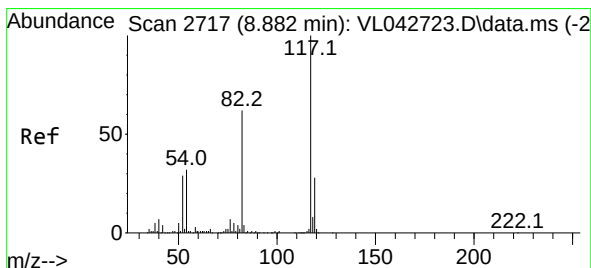
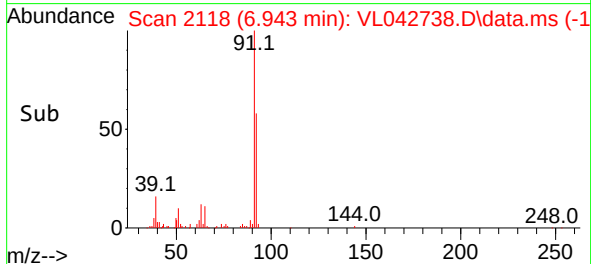
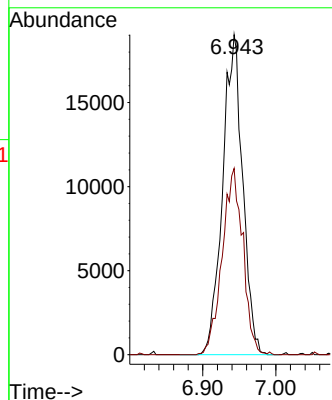
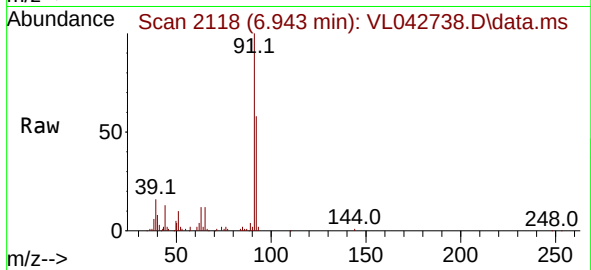
#53
Toluene
Concen: 1.037 ppbv m
RT: 6.943 min Scan# 2115
Delta R.T. 0.010 min
Lab File: VL042738.D
Acq: 22 Jul 2025 19:26

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tgt Ion: 91 Resp: 3625
Ion Ratio Lower Upper
91 100
92 60.2 48.2 72.4

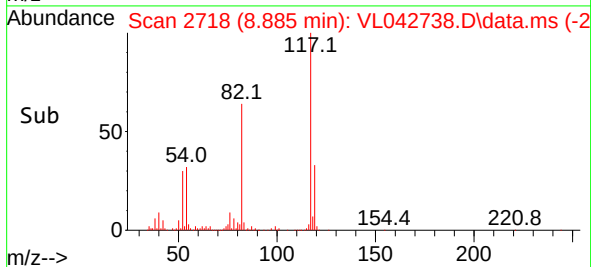
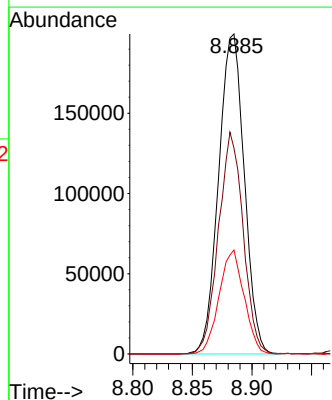
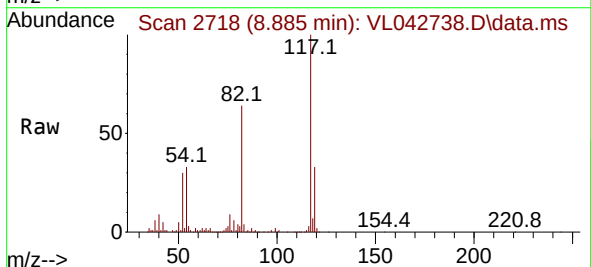
Manual Integrations
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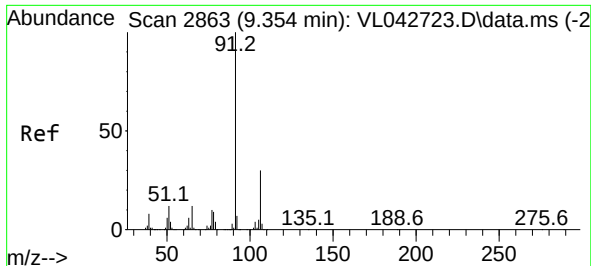
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. 0.003 min
Lab File: VL042738.D
Acq: 22 Jul 2025 19:26

Tgt Ion:117 Resp: 298684
Ion Ratio Lower Upper
117 100
82 66.6 54.6 81.8
119 31.7 25.3 37.9





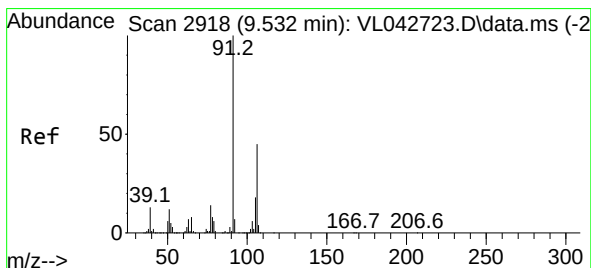
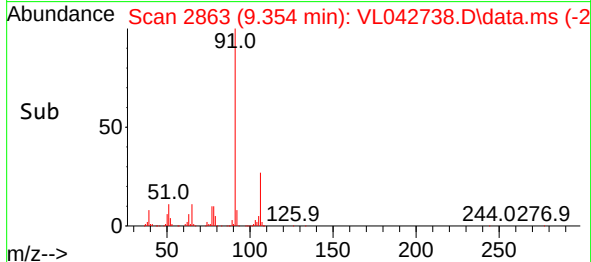
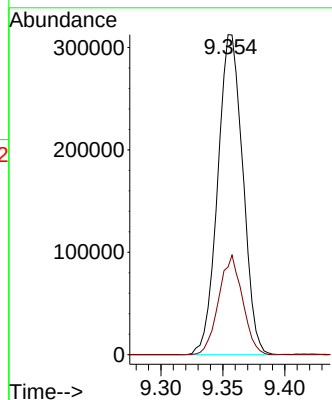
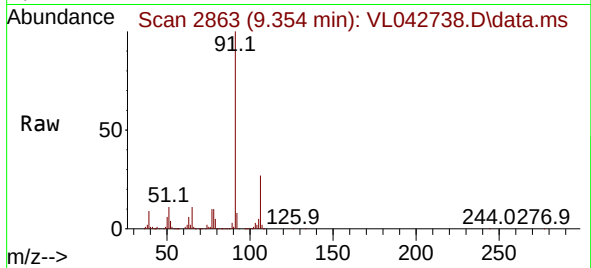
#58
Ethyl Benzene
Concen: 8.844 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042738.D
Acq: 22 Jul 2025 19:26

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tgt Ion: 91 Resp: 441268
Ion Ratio Lower Upper
91 100
106 27.4 23.7 35.5

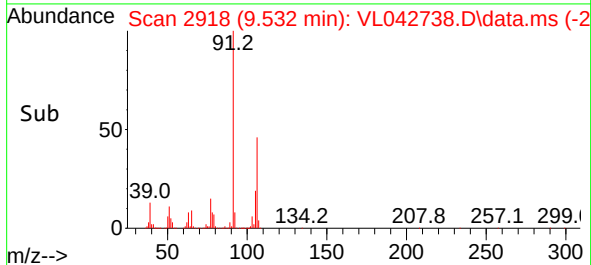
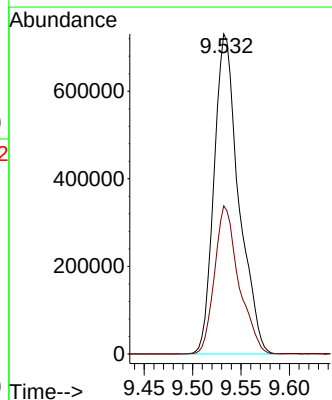
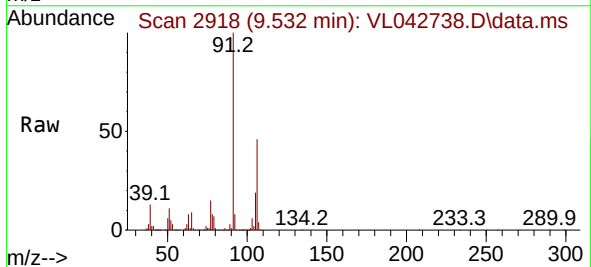
Manual Integrations
APPROVED

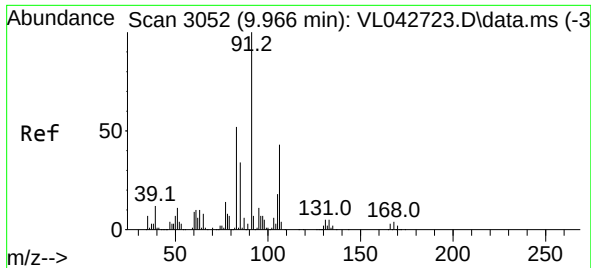
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#59
m/p-Xylene
Concen: 32.469 ppbv
RT: 9.532 min Scan# 2918
Delta R.T. 0.000 min
Lab File: VL042738.D
Acq: 22 Jul 2025 19:26

Tgt Ion: 91 Resp: 1296005
Ion Ratio Lower Upper
91 100
106 45.5 37.3 55.9





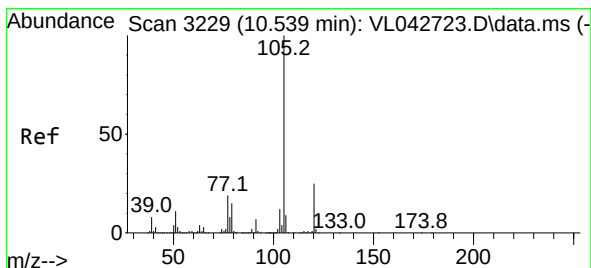
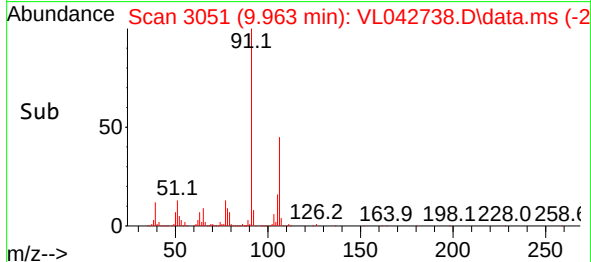
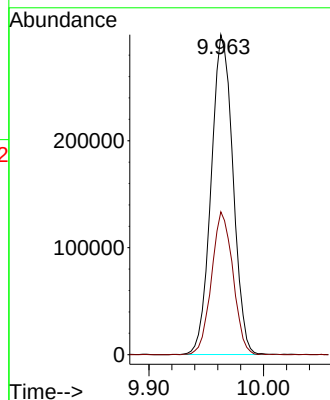
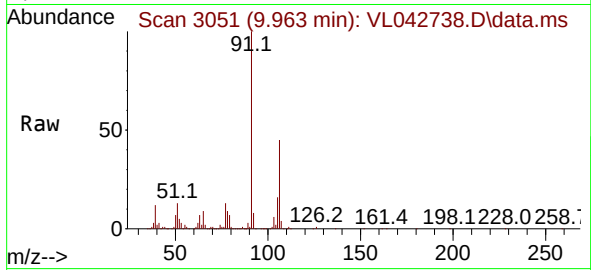
#60
o-Xylene
Concen: 9.815 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.003 min
Lab File: VL042738.D
Acq: 22 Jul 2025 19:26

Instrument : MSVOA_L
ClientSampleId : SV3

Tgt Ion: 91 Resp: 395559
Ion Ratio Lower Upper
91 100
106 43.9 21.4 64.3

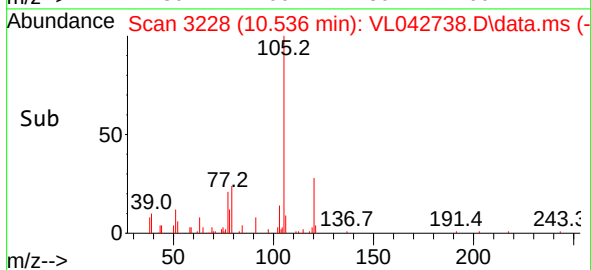
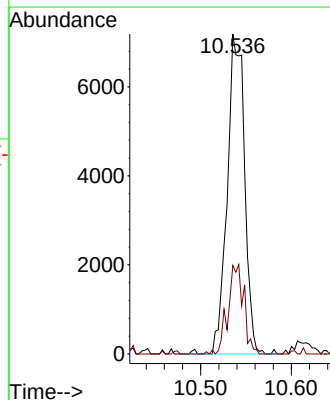
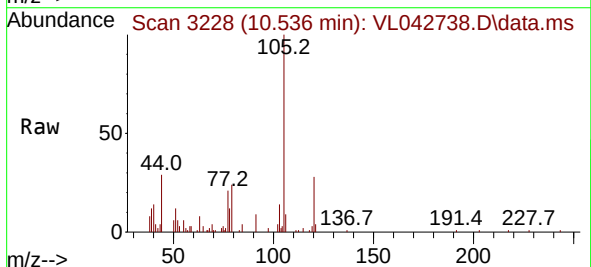
Manual Integrations
APPROVED

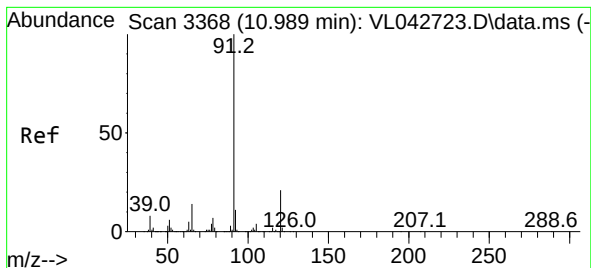
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#62
Isopropylbenzene
Concen: 0.160 ppbv m
RT: 10.536 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042738.D
Acq: 22 Jul 2025 19:26

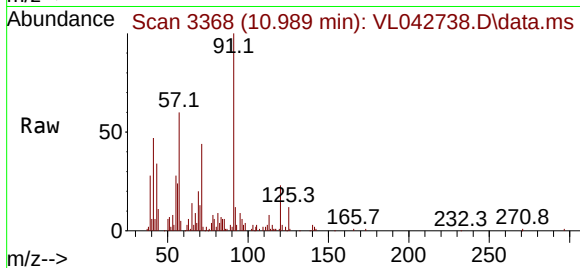
Tgt Ion:105 Resp: 9562
Ion Ratio Lower Upper
105 100
120 25.5 20.2 30.2





#64
n-propylbenzene
Concen: 0.227 ppbv
RT: 10.989 min Scan# 3178
Delta R.T. 0.000 min
Lab File: VL042738.D
Acq: 22 Jul 2025 19:26

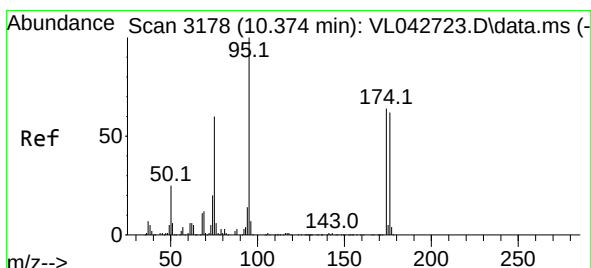
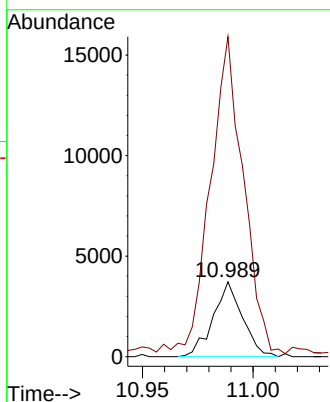
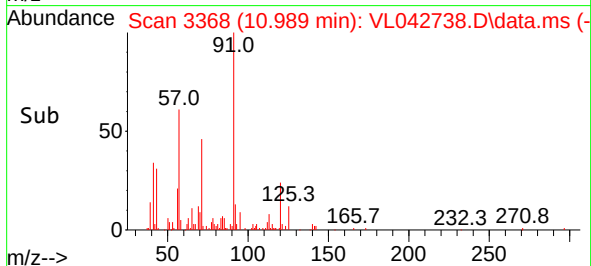
Instrument :
MSVOA_L
ClientSampleId :
SV3



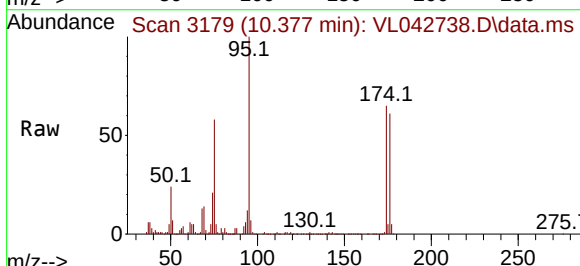
Tgt Ion:120 Resp: 343
Ion Ratio Lower Upper
120 100
91 488.8 377.4 566.0

Manual Integrations
APPROVED

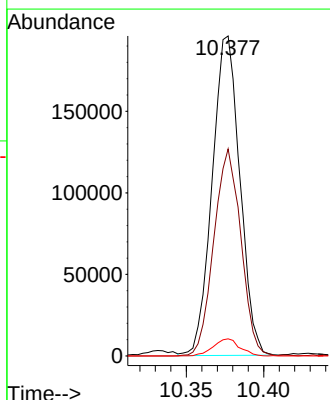
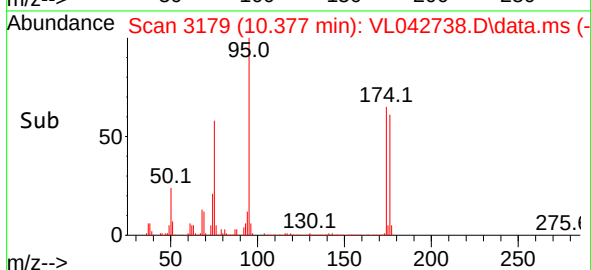
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

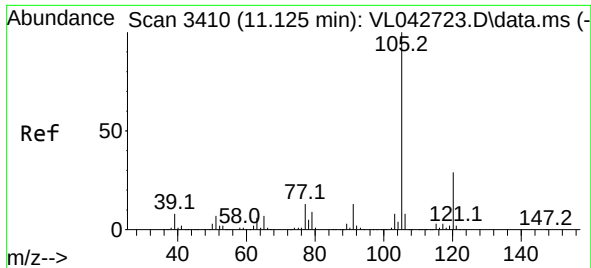


#68
1-Bromo-4-Fluorobenzene
Concen: 10.075 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.003 min
Lab File: VL042738.D
Acq: 22 Jul 2025 19:26



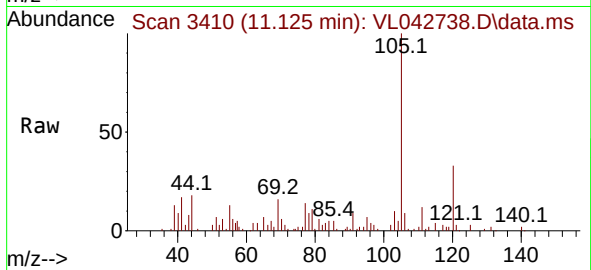
Tgt Ion: 95 Resp: 243226
Ion Ratio Lower Upper
95 100
174 63.2 51.4 77.2
175 5.1 4.2 6.4





#72
4-Ethyltoluene
Concen: 0.280 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042738.D
Acq: 22 Jul 2025 19:26

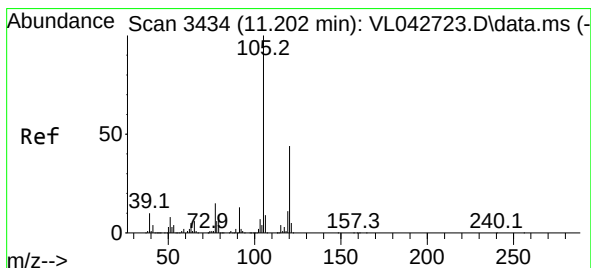
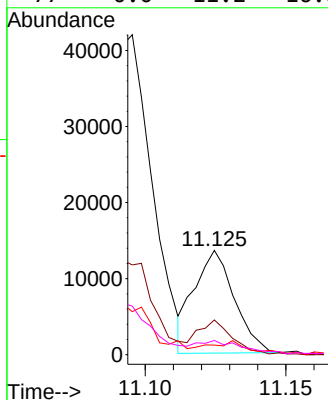
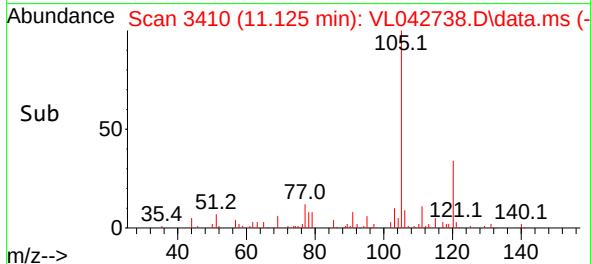
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion:105 Resp: 1344
Ion Ratio Lower Upper
105 100
120 0.0 23.4 35.0
91 0.0 10.6 15.8
77 0.0 11.2 16.8

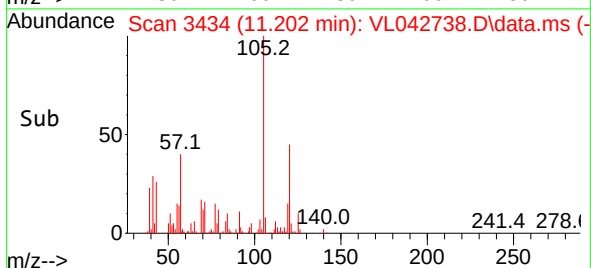
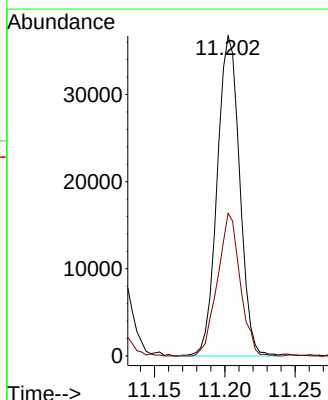
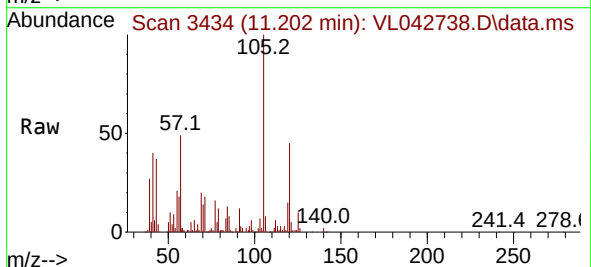
Manual Integrations
APPROVED

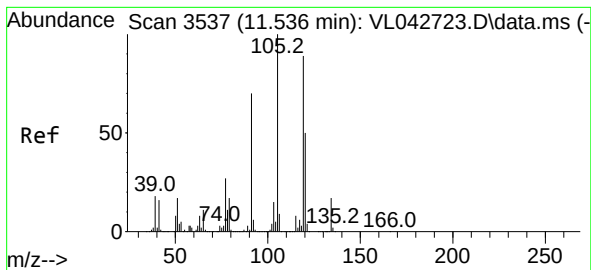
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#73
1,3,5-Trimethylbenzene
Concen: 1.028 ppbv
RT: 11.202 min Scan# 3434
Delta R.T. 0.000 min
Lab File: VL042738.D
Acq: 22 Jul 2025 19:26

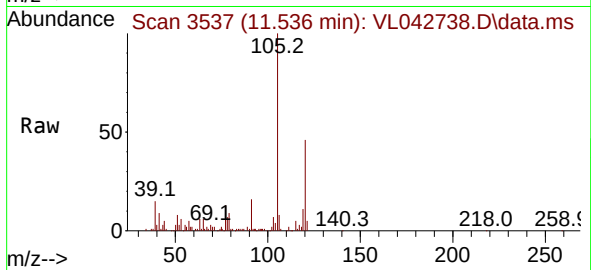
Tgt Ion:105 Resp: 40868
Ion Ratio Lower Upper
105 100
120 44.6 35.2 52.8





#74
1,2,4-Trimethylbenzene
Concen: 0.871 ppbv
RT: 11.536 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL042738.D
Acq: 22 Jul 2025 19:26

Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion:	105	Resp:	3796
Ion Ratio	Lower	Upper	
105	100		
120	46.1	39.9	59.9
91	15.3	56.5	84.7
77	11.9	21.8	32.6

Manual Integrations
APPROVED

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

