

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042742.D
 Acq On : 22 Jul 2025 22:39
 Operator : SY/MD
 Sample : Q2632-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
 APPROVED

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

Quant Time: Jul 23 03:07:17 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	2.787	49	114495	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	338585	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	297519	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	246109	10.235	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.300%
Target Compounds						
					Qvalue	
9) Propene	1.486	41	1791	0.250	ppbv	87
13) Ethanol	1.722	45	21948	18.191	ppbv	100
15) Acetone	1.835	43	176470	9.205	ppbv	97
19) Isopropyl Alcohol	1.887	45	26496	2.608	ppbv #	1
26) Hexane	2.826	57	2573m	0.166	ppbv	
34) 2-Butanone	2.560	43	14186	0.608	ppbv	99
37) 1,2-Dichloroethane	3.217	62	5050m	0.252	ppbv	
50) 4-Methyl-2-Pentanone	5.761	43	13297m	0.435	ppbv	
52) Tetrachloroethene	8.221	164	688m	0.054	ppbv	
53) Toluene	6.930	91	79029	2.228	ppbv	99
58) Ethyl Benzene	9.361	91	7314m	0.147	ppbv	
59) m/p-Xylene	9.529	91	31548m	0.793	ppbv	
60) o-Xylene	9.963	91	18730	0.467	ppbv	97
61) Styrene	9.872	104	2547m	0.147	ppbv	
64) n-propylbenzene	10.985	120	2302	0.153	ppbv	80
69) p-Isopropyltoluene	11.924	119	10919	0.178	ppbv	95
72) 4-Ethyltoluene	11.125	105	11805	0.247	ppbv #	61
73) 1,3,5-Trimethylbenzene	11.202	105	19316	0.488	ppbv	98
74) 1,2,4-Trimethylbenzene	11.536	105	51091	1.176	ppbv #	57

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

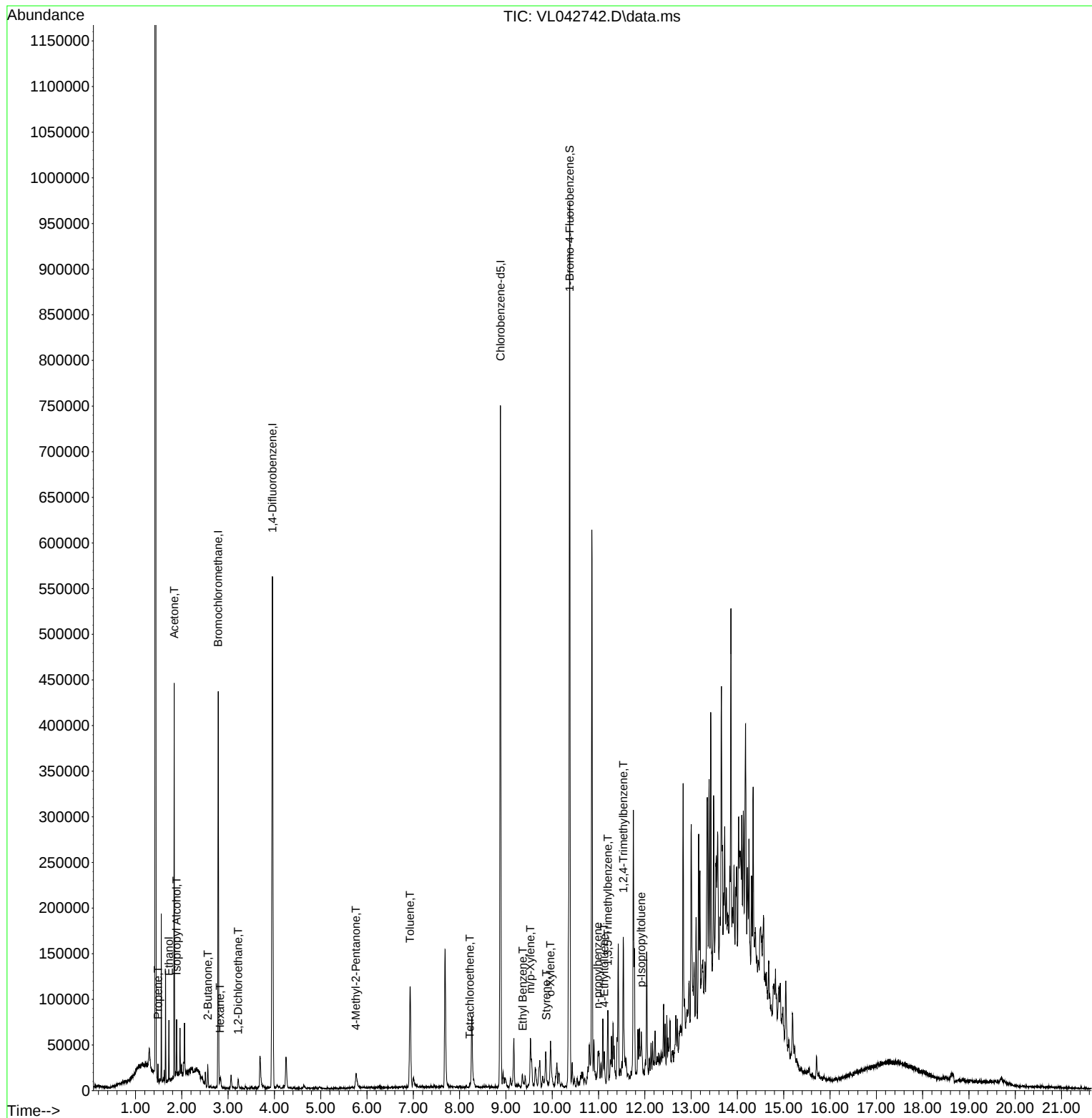
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
Data File : VL042742.D
Acq On : 22 Jul 2025 22:39
Operator : SY/MD
Sample : Q2632-01DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

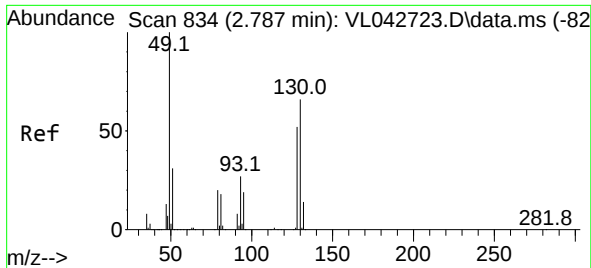
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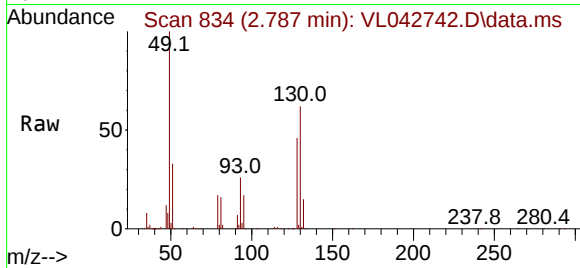
Quant Time: Jul 23 03:07:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Jul 23 02:51:39 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042742.D
Acq: 22 Jul 2025 22:39

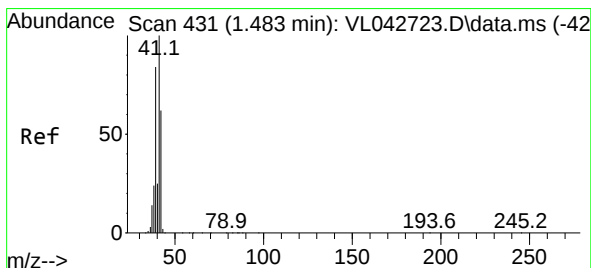
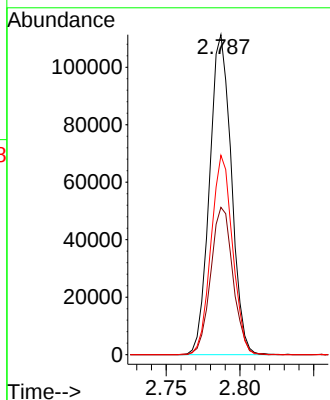
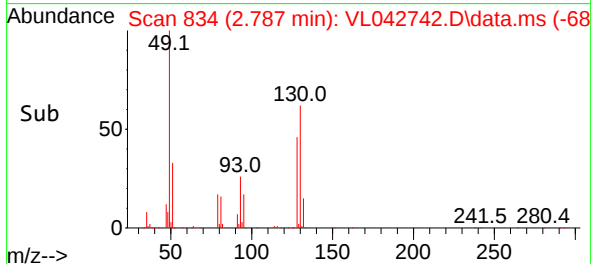
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



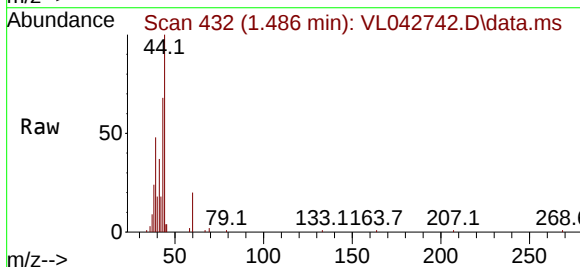
Tgt Ion: 49 Resp: 11449
Ion Ratio Lower Upper
49 100
128 46.9 24.5 73.5
130 61.5 31.7 95.1

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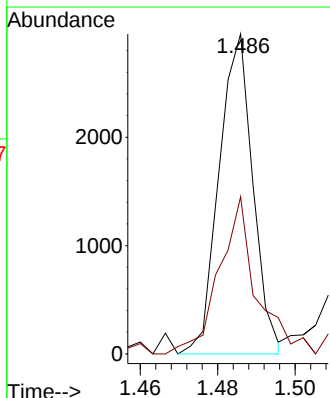
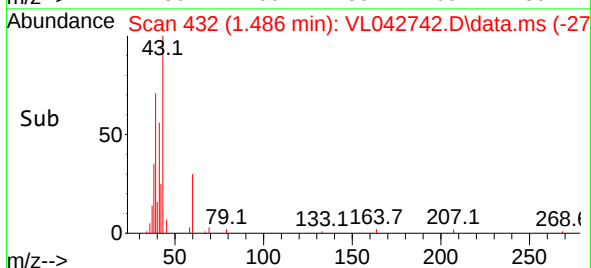
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

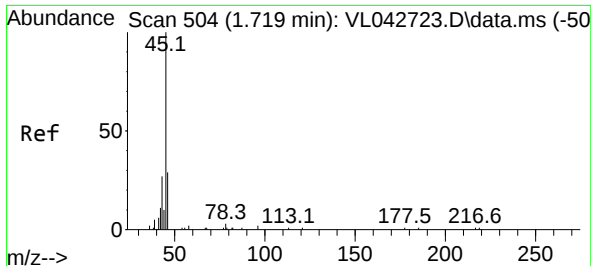


#9
Propene
Concen: 0.250 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042742.D
Acq: 22 Jul 2025 22:39



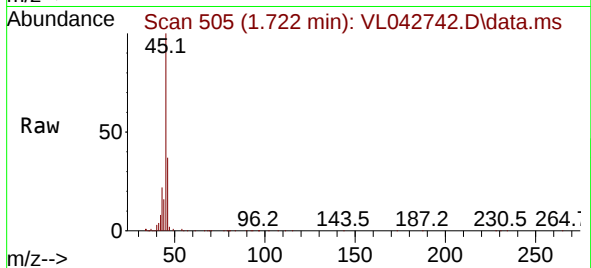
Tgt Ion: 41 Resp: 1791
Ion Ratio Lower Upper
41 100
42 54.4 52.0 78.0





#13
Ethanol
Concen: 18.191 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042742.D
Acq: 22 Jul 2025 22:39

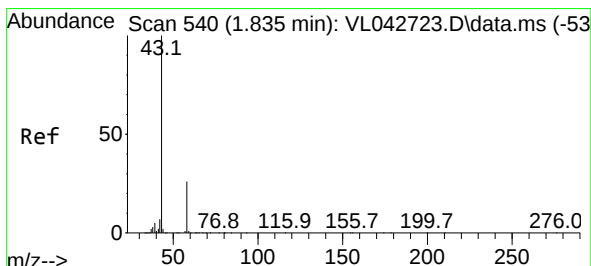
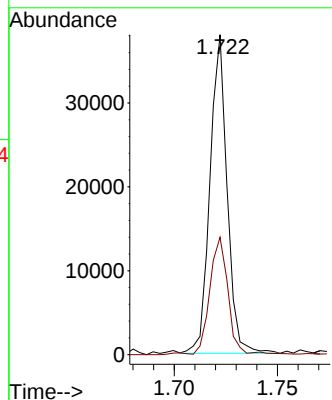
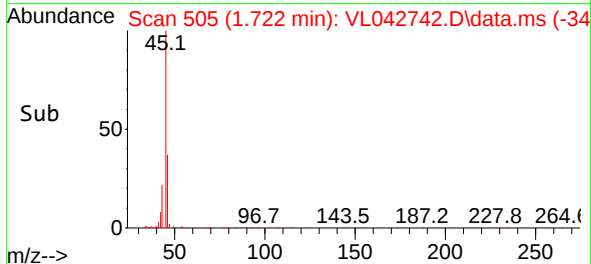
Instrument :
MSVOA_L
Client Sample Id :
IA1DL



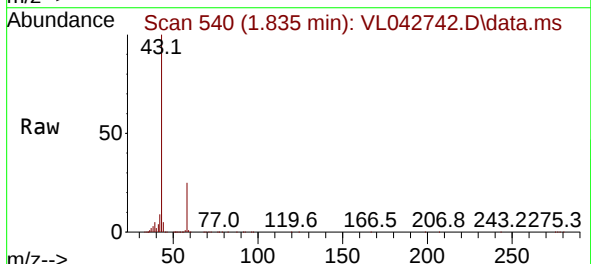
Tgt Ion: 45 Resp: 21948
Ion Ratio Lower Upper
45 100
46 40.8 16.3 65.1

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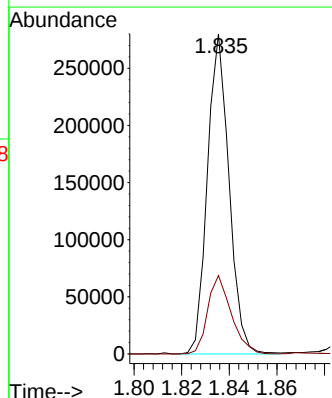
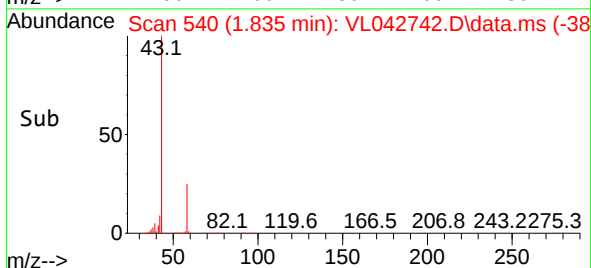
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

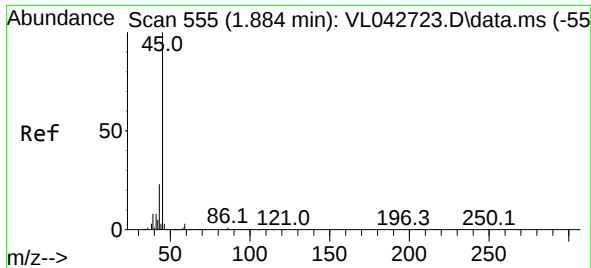


#15
Acetone
Concen: 9.205 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042742.D
Acq: 22 Jul 2025 22:39



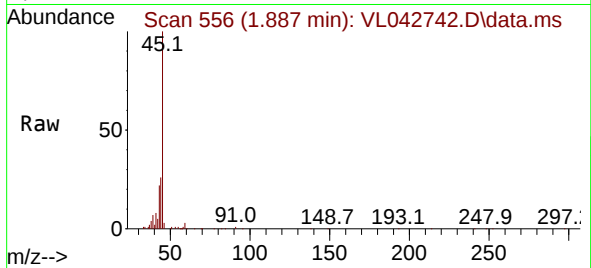
Tgt Ion: 43 Resp: 176470
Ion Ratio Lower Upper
43 100
58 27.4 20.5 30.7





#19
Isopropyl Alcohol
Concen: 2.608 ppbv
RT: 1.887 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL042742.D
Acq: 22 Jul 2025 22:39

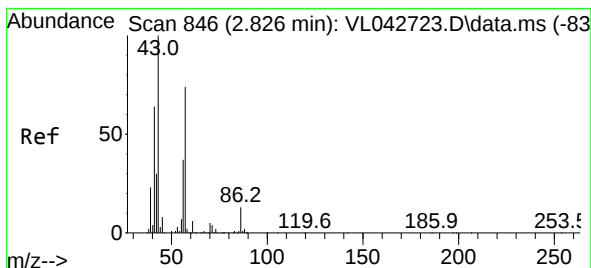
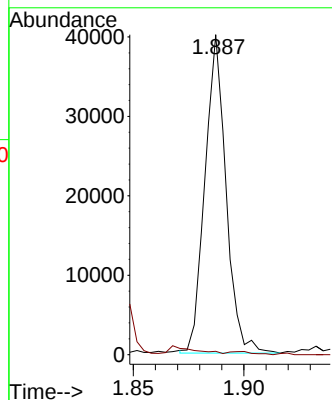
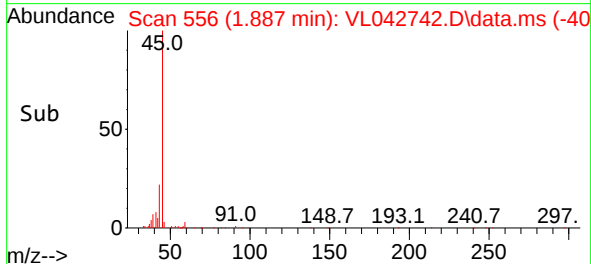
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



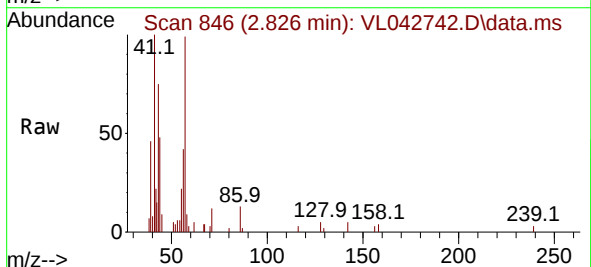
Tgt Ion: 45 Resp: 26490
Ion Ratio Lower Upper
45 100
58 182.3 30.6 46.0

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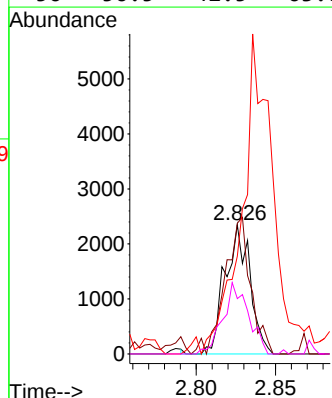
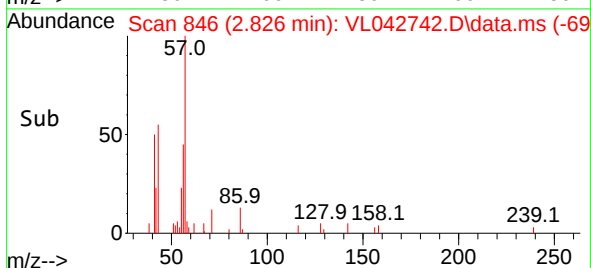
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

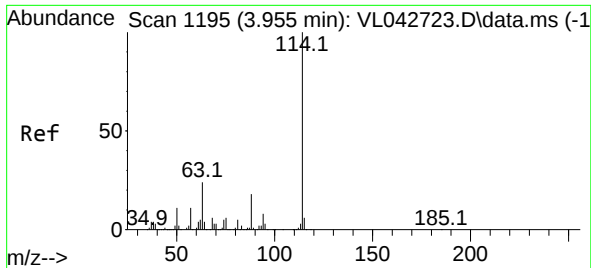


#26
Hexane
Concen: 0.166 ppbv m
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042742.D
Acq: 22 Jul 2025 22:39



Tgt Ion: 57 Resp: 2573
Ion Ratio Lower Upper
57 100
41 114.0 77.3 115.9
43 332.9 182.3 273.5#
56 56.5 42.5 63.7





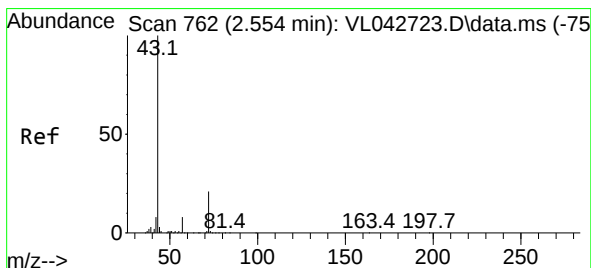
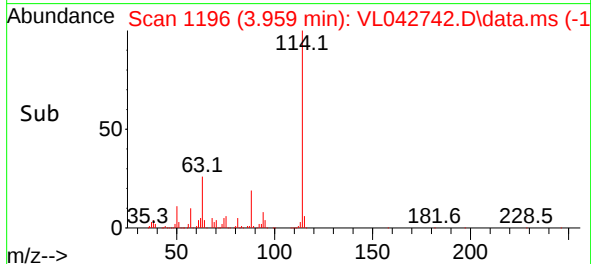
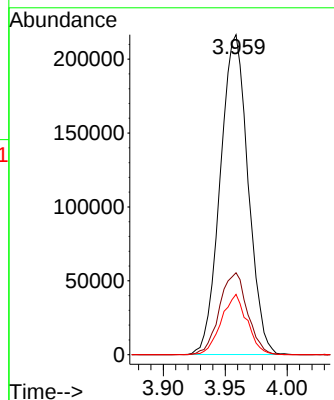
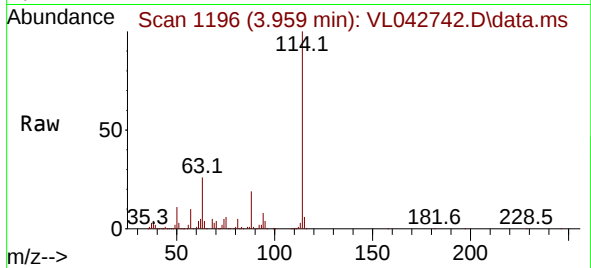
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.003 min
Lab File: VL042742.D
Acq: 22 Jul 2025 22:39

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion:114 Resp: 33858
Ion Ratio Lower Upper
114 100
63 25.8 20.4 30.6
88 17.6 14.5 21.7

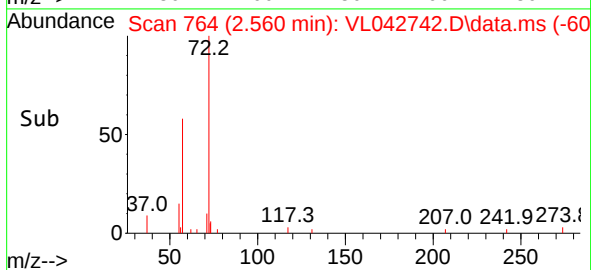
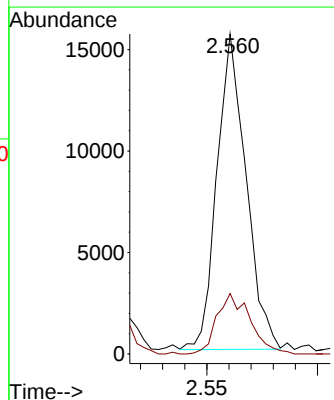
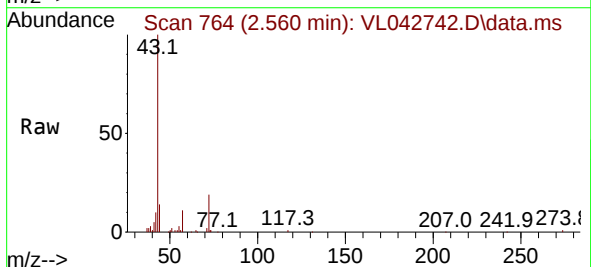
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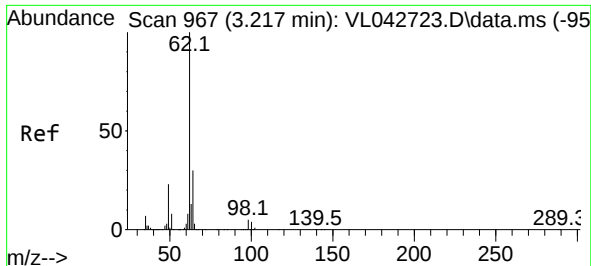
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#34
2-Butanone
Concen: 0.608 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.007 min
Lab File: VL042742.D
Acq: 22 Jul 2025 22:39

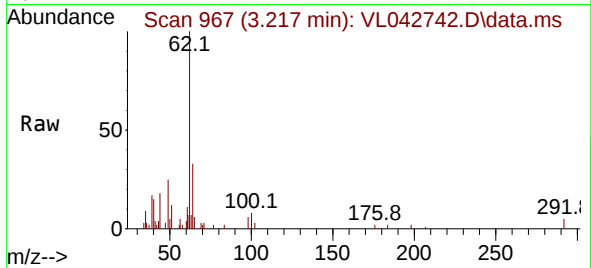
Tgt Ion: 43 Resp: 14186
Ion Ratio Lower Upper
43 100
72 22.0 17.0 25.6





#37
1,2-Dichloroethane
Concen: 0.252 ppbv m
RT: 3.217 min Scan# 967
Delta R.T. 0.000 min
Lab File: VL042742.D
Acq: 22 Jul 2025 22:39

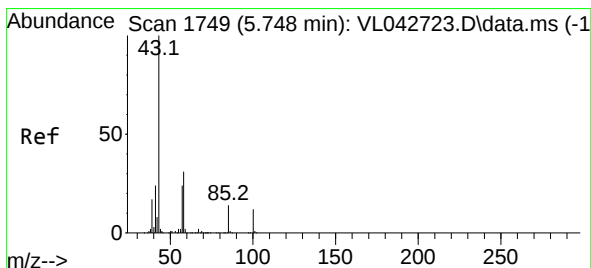
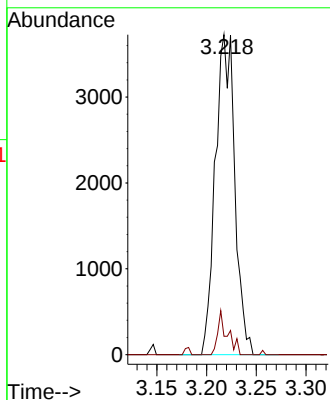
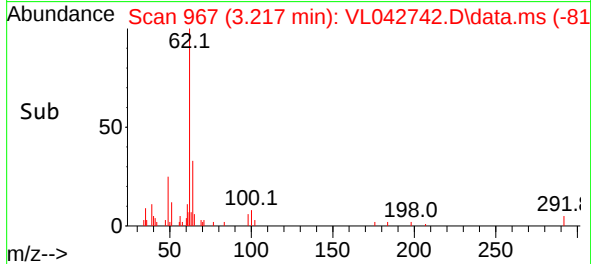
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 62 Resp: 5050
Ion Ratio Lower Upper
62 100
98 0.0 4.8 7.2

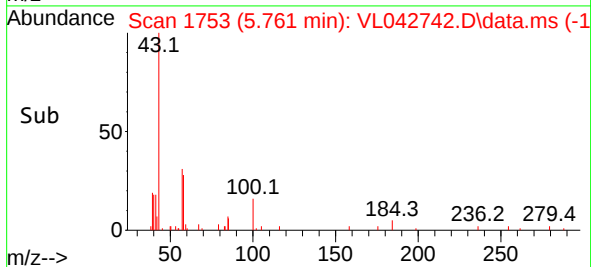
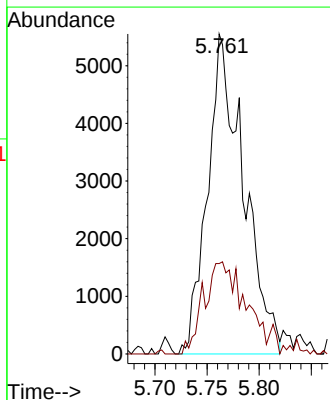
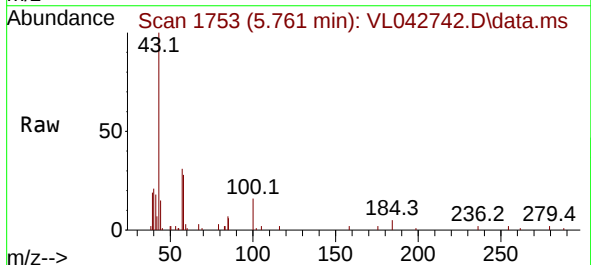
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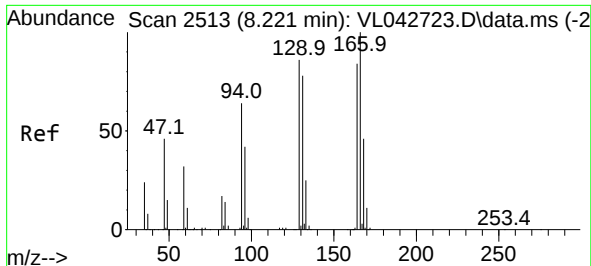
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#50
4-Methyl-2-Pentanone
Concen: 0.435 ppbv m
RT: 5.761 min Scan# 1753
Delta R.T. 0.013 min
Lab File: VL042742.D
Acq: 22 Jul 2025 22:39

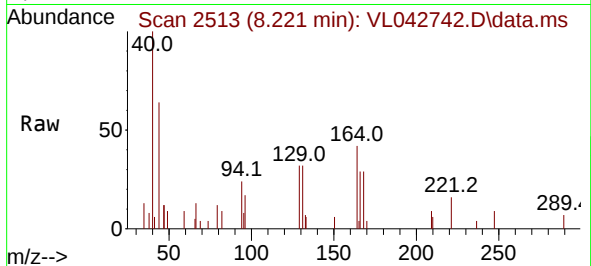
Tgt Ion: 43 Resp: 13297
Ion Ratio Lower Upper
43 100
58 35.7 27.6 41.4





#52
Tetrachloroethene
Concen: 0.054 ppbv m
RT: 8.221 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VL042742.D
Acq: 22 Jul 2025 22:39

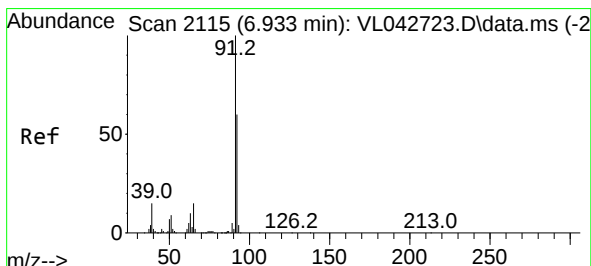
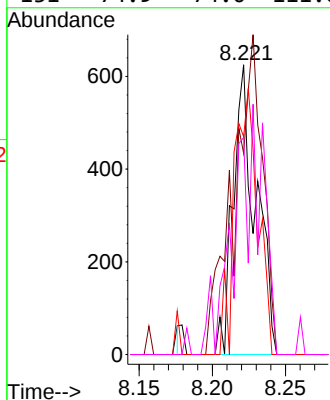
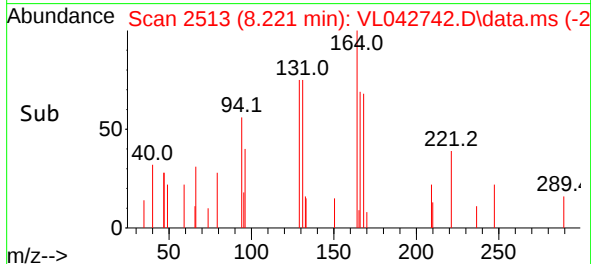
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Tgt Ion:164 Resp: 688
Ion Ratio Lower Upper
164 100
166 69.4 95.1 142.7
129 75.2 81.9 122.9
131 74.9 74.0 111.0

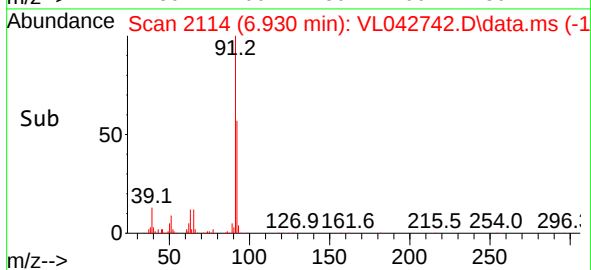
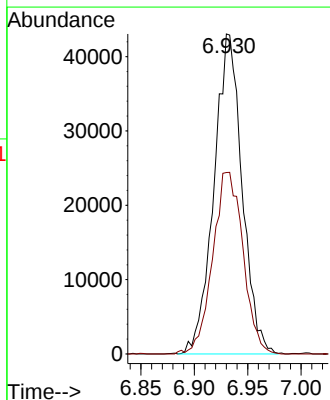
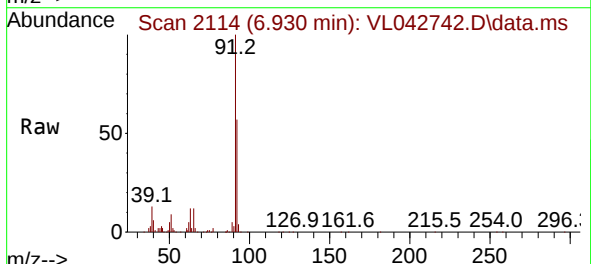
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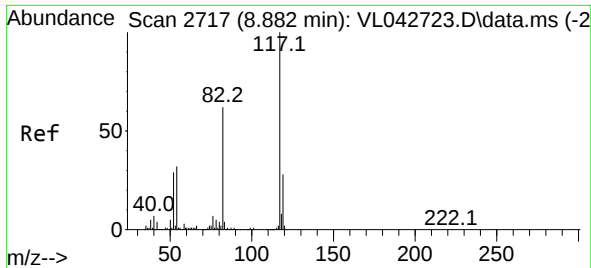
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#53
Toluene
Concen: 2.228 ppbv
RT: 6.930 min Scan# 2114
Delta R.T. -0.003 min
Lab File: VL042742.D
Acq: 22 Jul 2025 22:39

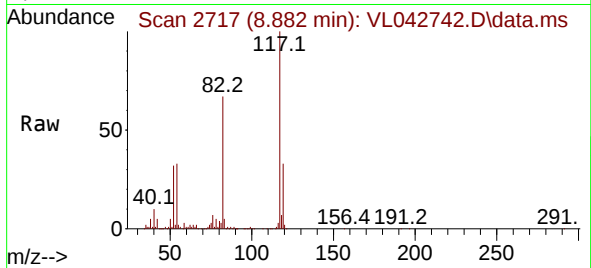
Tgt Ion: 91 Resp: 79029
Ion Ratio Lower Upper
91 100
92 61.0 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.000 min
Lab File: VL042742.D
Acq: 22 Jul 2025 22:39

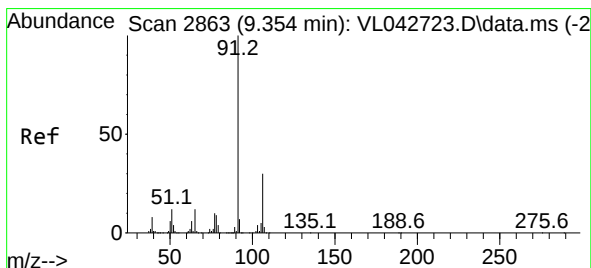
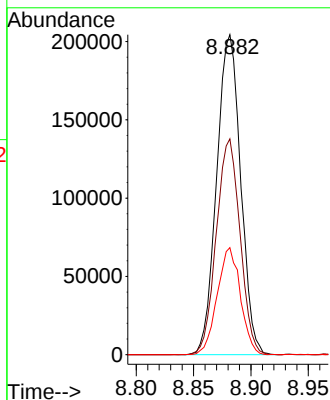
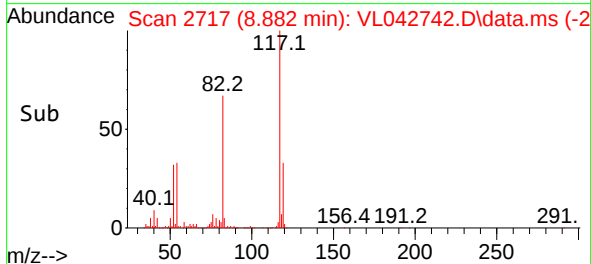
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Tgt Ion:117 Resp: 297519
Ion Ratio Lower Upper
117 100
82 66.8 54.6 81.8
119 32.4 25.3 37.9

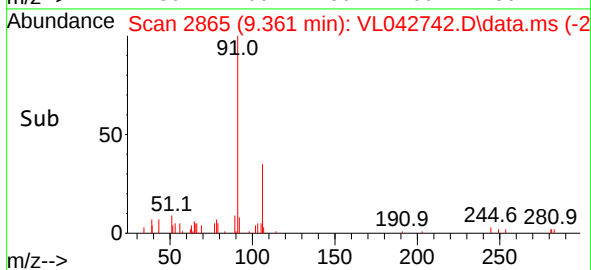
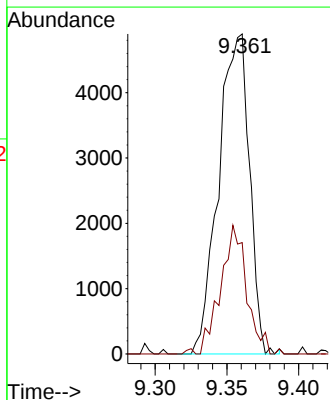
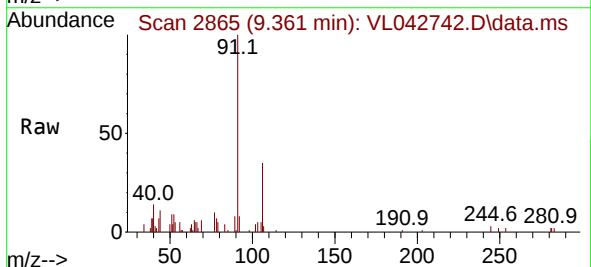
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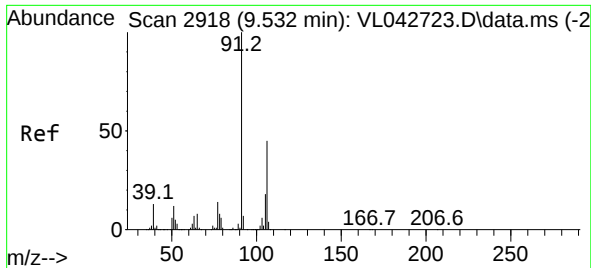
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#58
Ethyl Benzene
Concen: 0.147 ppbv m
RT: 9.361 min Scan# 2865
Delta R.T. 0.007 min
Lab File: VL042742.D
Acq: 22 Jul 2025 22:39

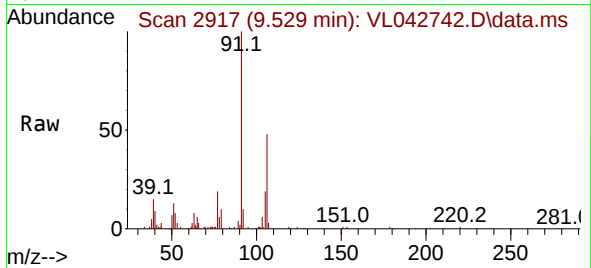
Tgt Ion: 91 Resp: 7314
Ion Ratio Lower Upper
91 100
106 34.8 23.7 35.5





#59
m/p-Xylene
Concen: 0.793 ppbv m
RT: 9.529 min Scan# 2918
Delta R.T. -0.003 min
Lab File: VL042742.D
Acq: 22 Jul 2025 22:39

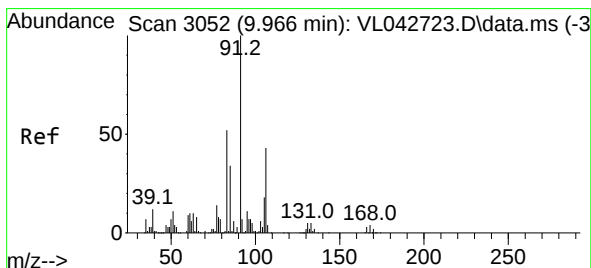
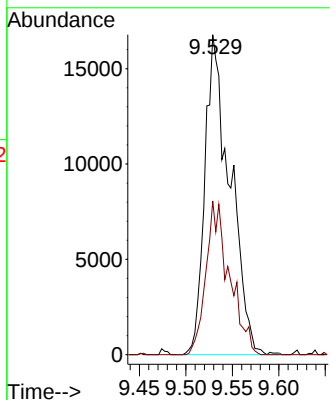
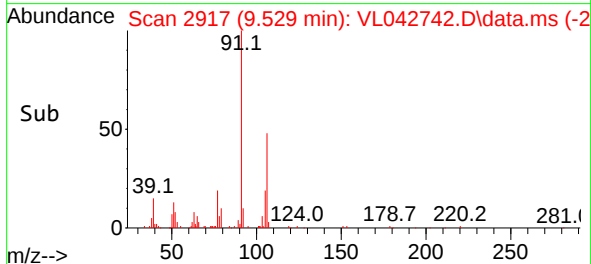
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 91 Resp: 3154
Ion Ratio Lower Upper
91 100
106 44.8 37.3 55.9

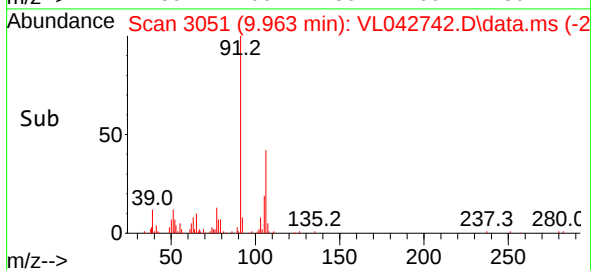
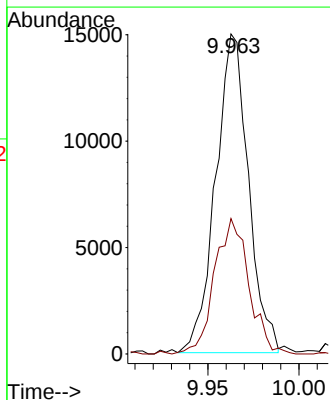
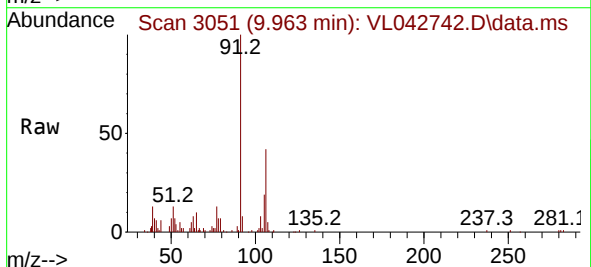
Manual Integrations
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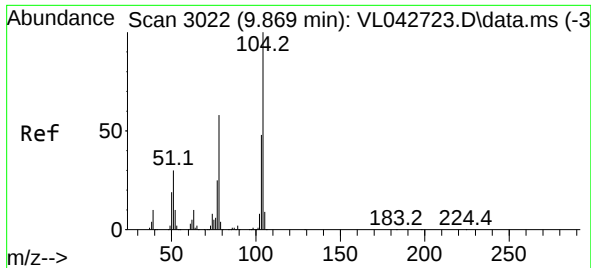
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#60
o-Xylene
Concen: 0.467 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.003 min
Lab File: VL042742.D
Acq: 22 Jul 2025 22:39

Tgt Ion: 91 Resp: 18730
Ion Ratio Lower Upper
91 100
106 44.8 21.4 64.3





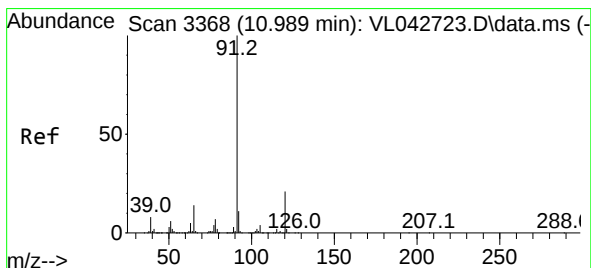
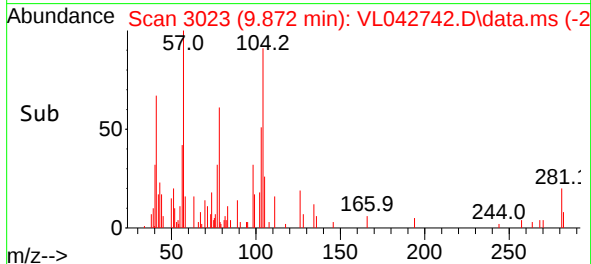
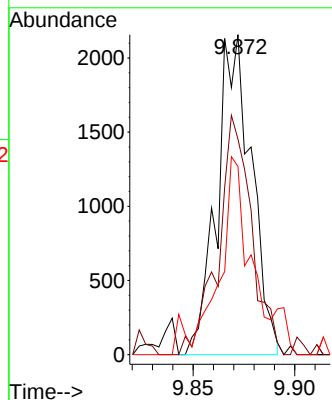
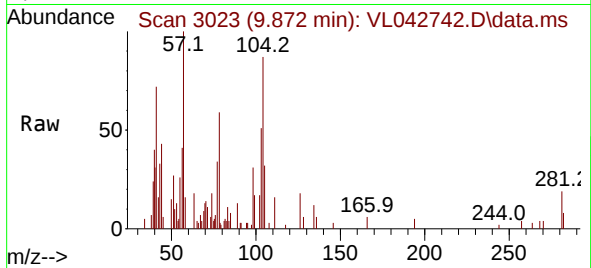
#61
Styrene
Concen: 0.147 ppbv m
RT: 9.872 min Scan# 3022
Delta R.T. 0.003 min
Lab File: VL042742.D
Acq: 22 Jul 2025 22:39

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion:104 Resp: 254
Ion Ratio Lower Upper
104 100
78 76.4 43.4 65.2
103 61.6 37.8 56.6

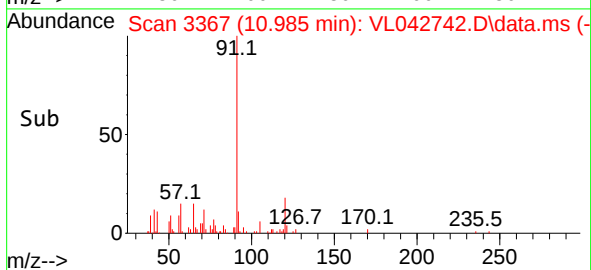
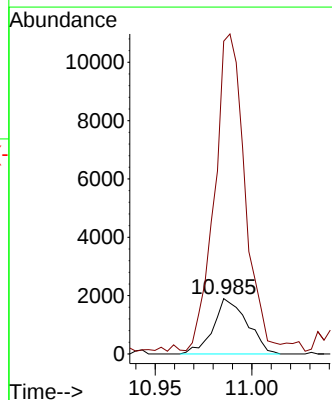
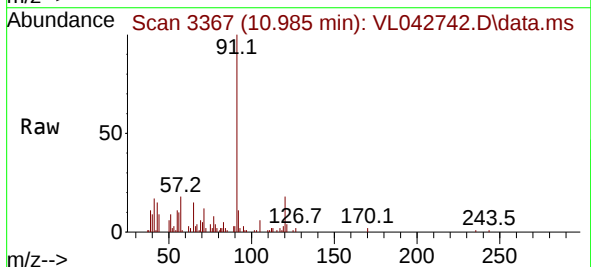
Manual Integrations
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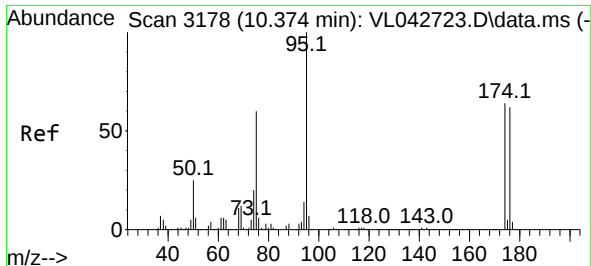
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#64
n-propylbenzene
Concen: 0.153 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042742.D
Acq: 22 Jul 2025 22:39

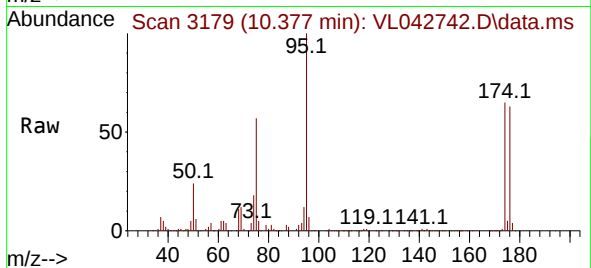
Tgt Ion:120 Resp: 2302
Ion Ratio Lower Upper
120 100
91 525.5 377.4 566.0





#68
1-Bromo-4-Fluorobenzene
Concen: 10.235 ppbv
RT: 10.377 min Scan# 3178
Delta R.T. 0.003 min
Lab File: VL042742.D
Acq: 22 Jul 2025 22:39

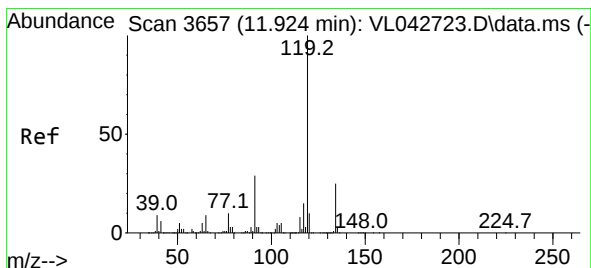
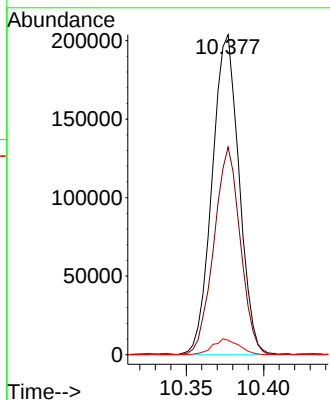
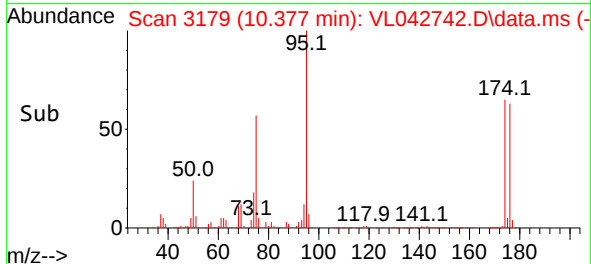
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 95 Resp: 246109
Ion Ratio Lower Upper
95 100
174 63.7 51.4 77.2
175 4.8 4.2 6.4

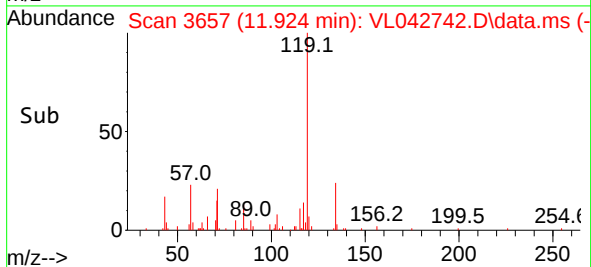
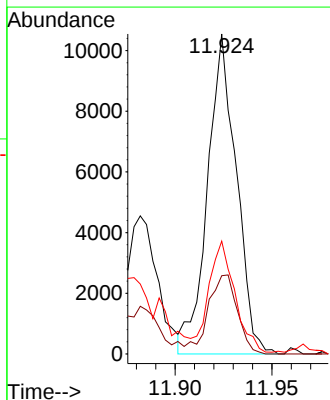
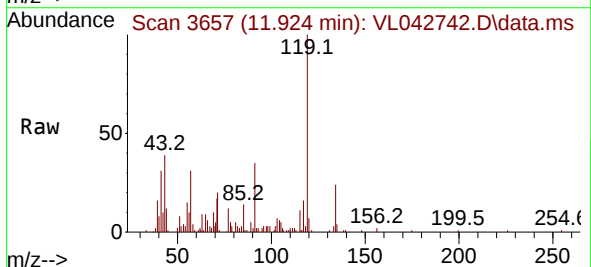
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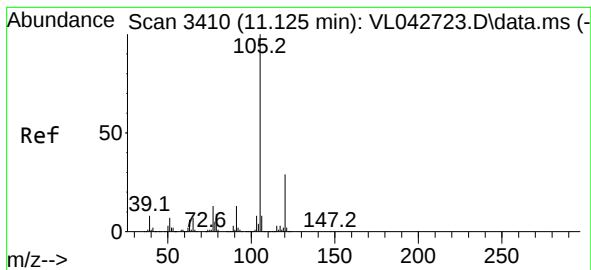
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#69
p-Isopropyltoluene
Concen: 0.178 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. 0.000 min
Lab File: VL042742.D
Acq: 22 Jul 2025 22:39

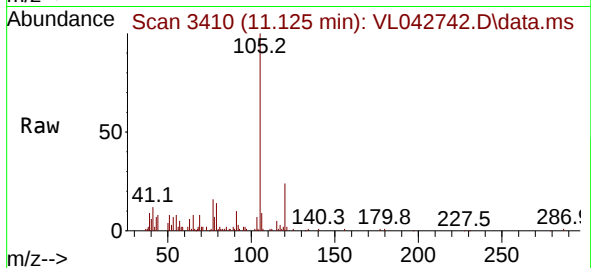
Tgt Ion:119 Resp: 10919
Ion Ratio Lower Upper
119 100
134 23.6 19.8 29.6
91 33.7 23.9 35.9





#72
4-Ethyltoluene
Concen: 0.247 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042742.D
Acq: 22 Jul 2025 22:39

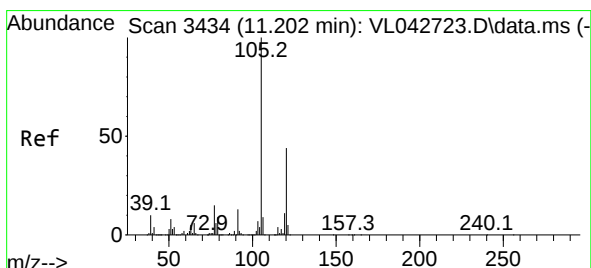
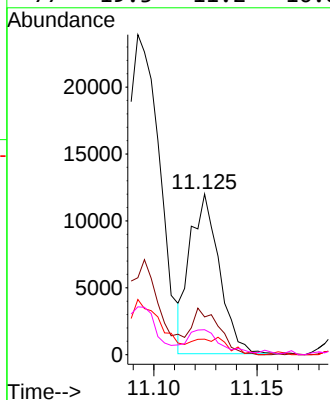
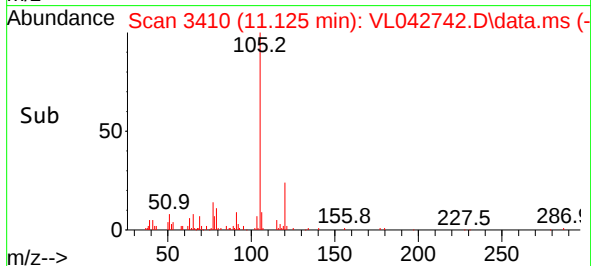
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



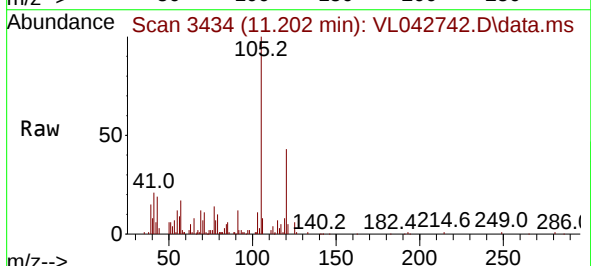
Tgt Ion:105 Resp: 1180
Ion Ratio Lower Upper
105 100
120 0.0 23.4 35.0
91 0.0 10.6 15.8
77 19.3 11.2 16.8

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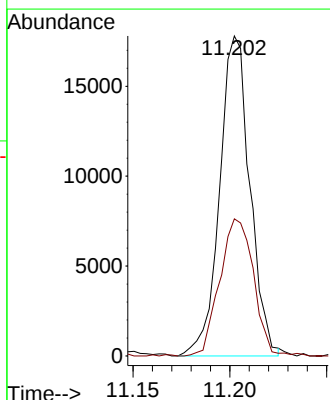
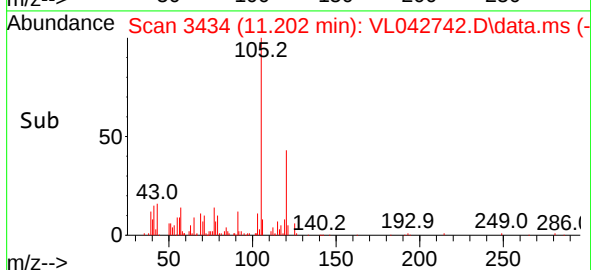
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

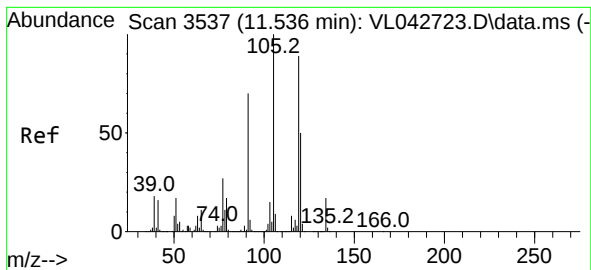


#73
1,3,5-Trimethylbenzene
Concen: 0.488 ppbv
RT: 11.202 min Scan# 3434
Delta R.T. 0.000 min
Lab File: VL042742.D
Acq: 22 Jul 2025 22:39



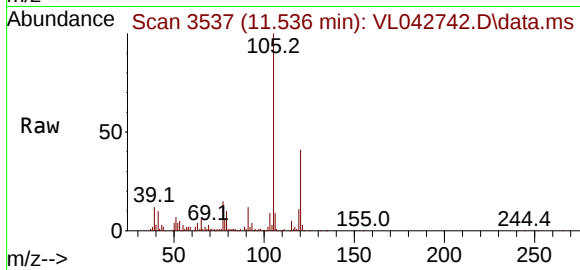
Tgt Ion:105 Resp: 19316
Ion Ratio Lower Upper
105 100
120 42.9 35.2 52.8





#74
1,2,4-Trimethylbenzene
Concen: 1.176 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL042742.D
Acq: 22 Jul 2025 22:39

Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion:	105	Resp:	5109
Ion	Ratio	Lower	Upper
105	100		
120	41.5	39.9	59.9
91	11.5	56.5	84.7
77	14.7	21.8	32.6

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

