

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
 Data File : VL042247.D
 Acq On : 07 Apr 2025 23:41
 Operator : SY/MD
 Sample : Q1725-06 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B10-3-03312025

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
 Supervised By :Mahesh Dadoda 04/09/2025

Quant Time: Apr 08 01:38:20 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.803	49	194534	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.985	114	495845	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	437126	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	361726	10.077	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.800%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.505	85	3454	0.120	ppbv	95
4) Chloromethane	1.538	50	1900	0.162	ppbv	96
9) Propene	1.496	41	10786m	0.802	ppbv	
13) Ethanol	1.732	45	1184959	932.018	ppbv	87
15) Acetone	1.845	43	1081614	39.756	ppbv	98
17) tert-Butyl alcohol	2.056	59	10312m	0.304	ppbv	
19) Isopropyl Alcohol	1.897	45	1799475	117.225	ppbv #	32
20) Methylene Chloride	2.075	84	17220	1.699	ppbv	96
26) Hexane	2.845	57	13903	0.510	ppbv #	63
29) Chloroform	2.865	83	14300	0.358	ppbv	94
34) 2-Butanone	2.573	43	176547	4.910	ppbv	98
41) Tetrahydrofuran	3.088	42	5017m	0.242	ppbv	
52) Tetrachloroethene	8.250	164	12097	0.621	ppbv	88
53) Toluene	6.959	91	6983m	0.120	ppbv	

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

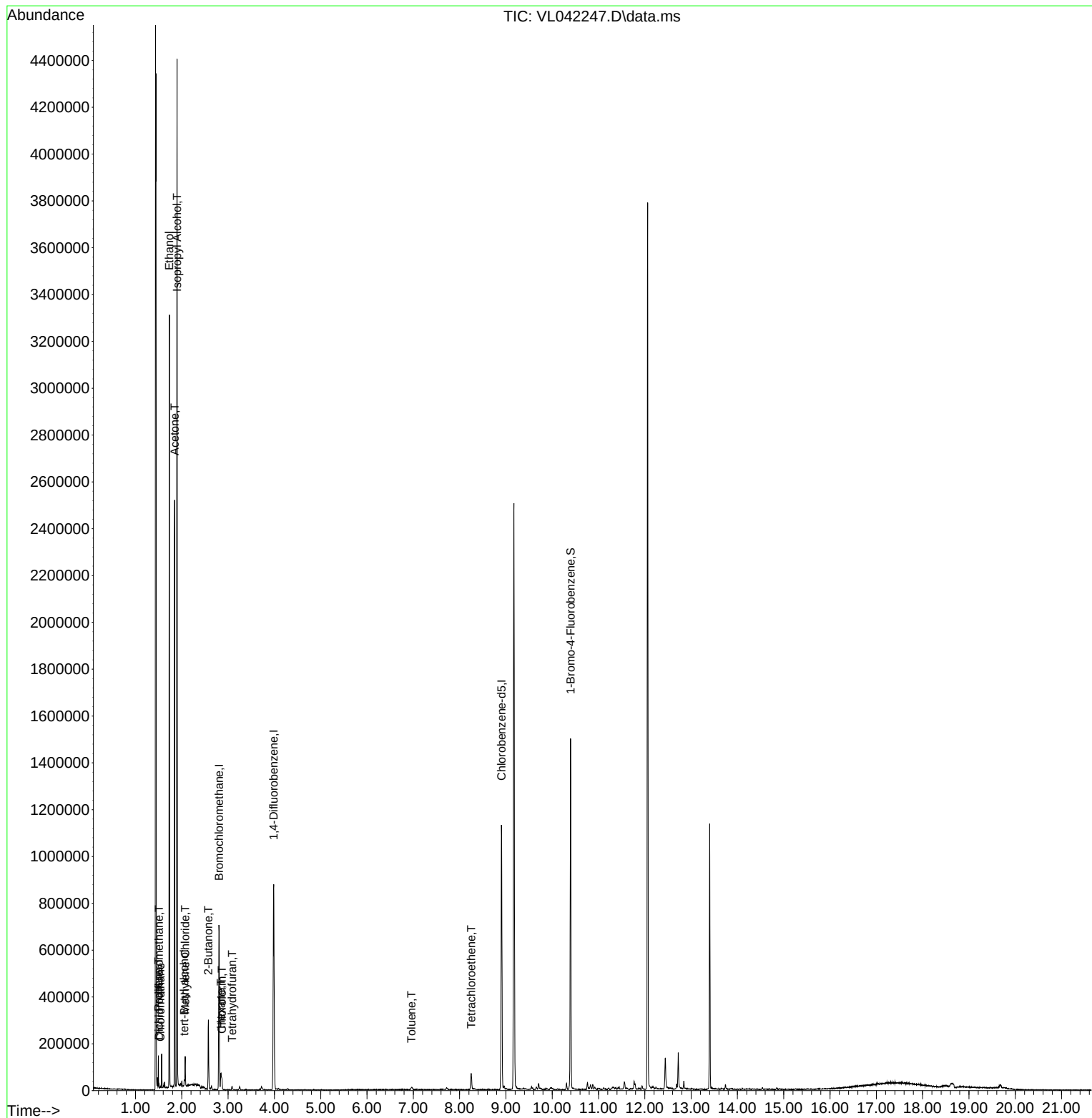
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042247.D
Acq On : 07 Apr 2025 23:41
Operator : SY/MD
Sample : Q1725-06 4X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

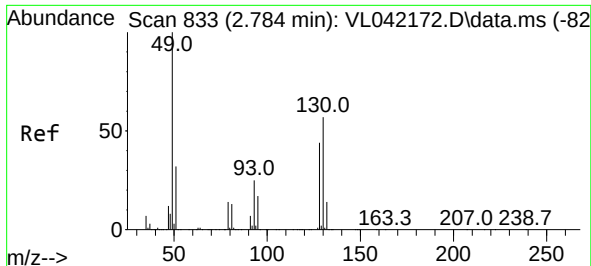
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

Quant Time: Apr 08 01:38:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Manual Integrations
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Supervised By : Mahesh Dadoda 04/09/2025





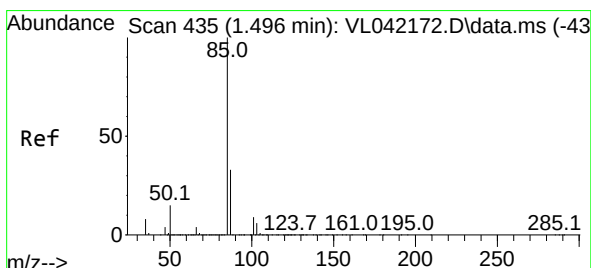
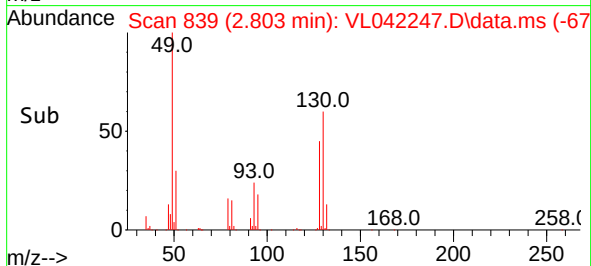
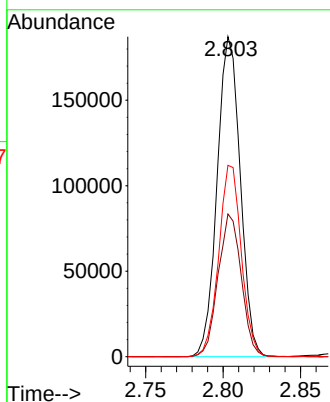
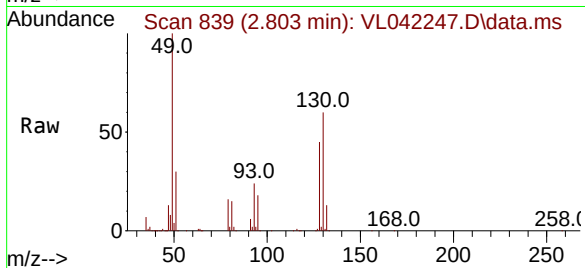
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 81
Delta R.T. 0.019 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

Tgt Ion: 49 Resp: 194534
Ion Ratio Lower Upper
49 100
128 44.5 22.9 68.5
130 58.5 28.8 86.4

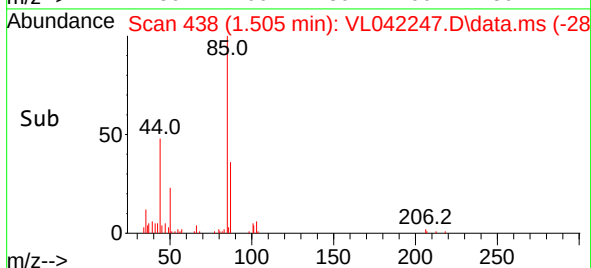
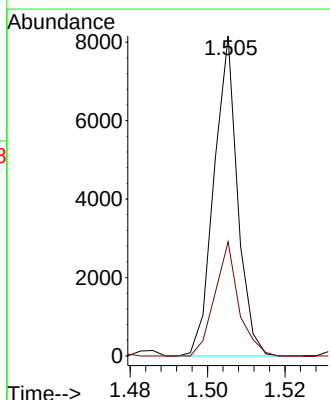
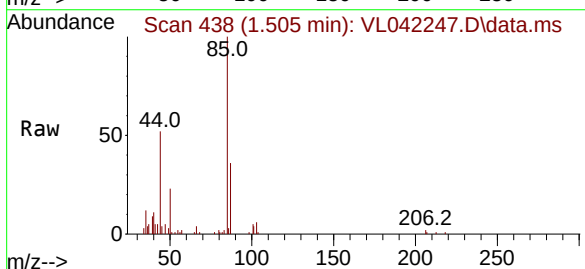
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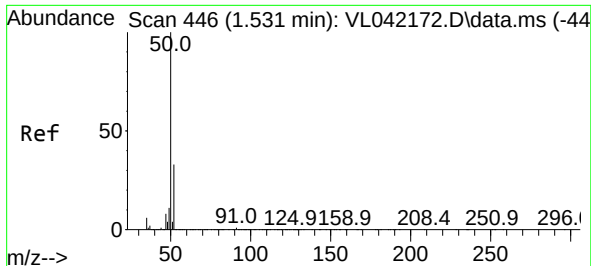
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#2
Dichlorodifluoromethane
Concen: 0.120 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

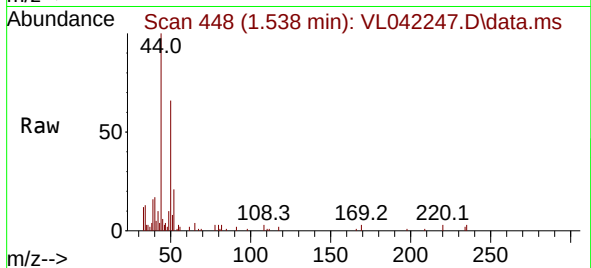
Tgt Ion: 85 Resp: 3454
Ion Ratio Lower Upper
85 100
87 35.7 26.1 39.1





#4
Chloromethane
Concen: 0.162 ppbv
RT: 1.538 min Scan# 446
Delta R.T. 0.006 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

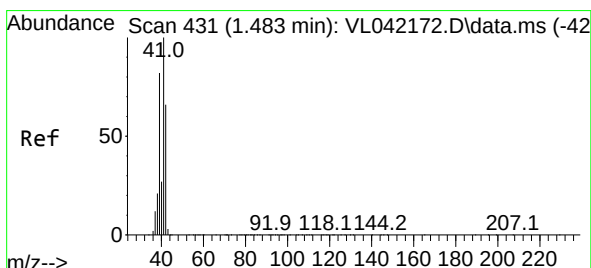
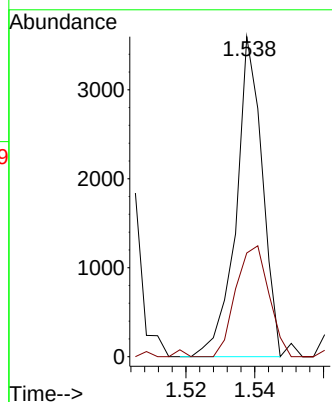
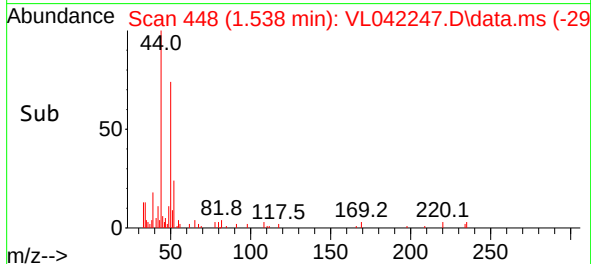
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025



Tgt Ion: 50 Resp: 1900
Ion Ratio Lower Upper
50 100
52 30.3 26.1 39.1

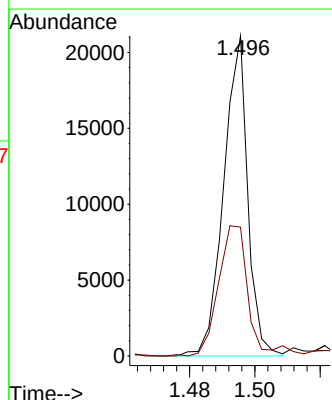
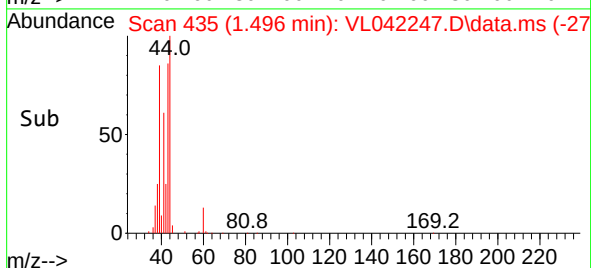
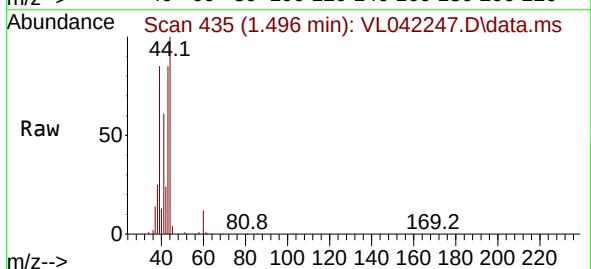
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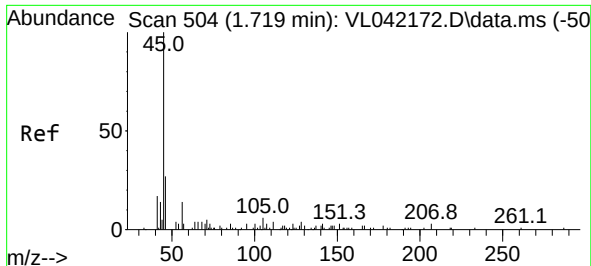
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#9
Propene
Concen: 0.802 ppbv m
RT: 1.496 min Scan# 435
Delta R.T. 0.013 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

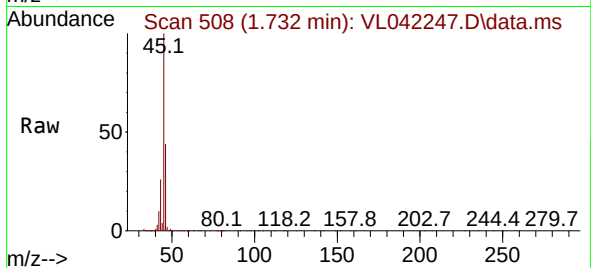
Tgt Ion: 41 Resp: 10786
Ion Ratio Lower Upper
41 100
42 1225.1 55.4 83.2#





#13
Ethanol
Concen: 932.018 ppbv
RT: 1.732 min Scan# 508
Delta R.T. 0.013 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

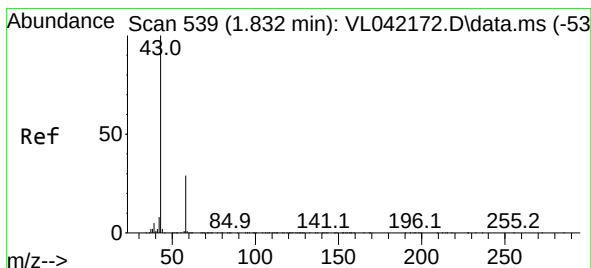
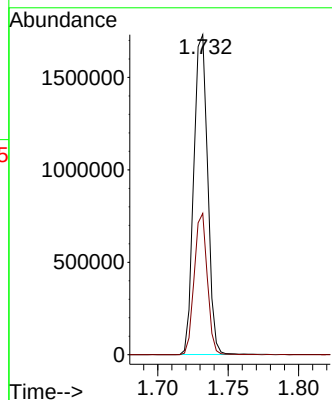
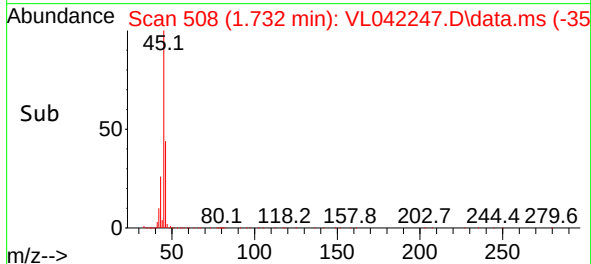
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025



Tgt Ion: 45 Resp: 1184959
Ion Ratio Lower Upper
45 100
46 41.7 20.2 80.8

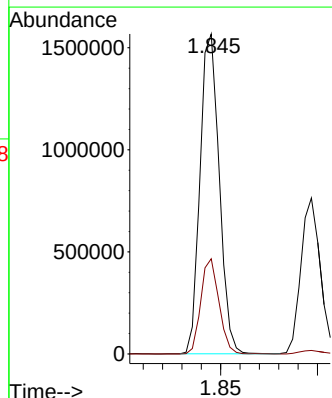
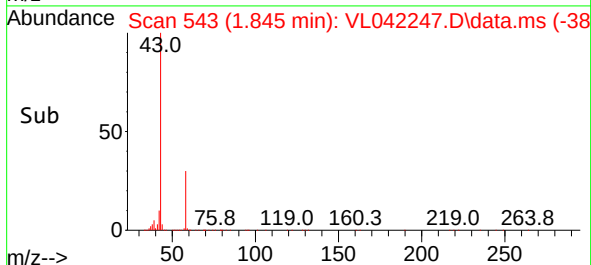
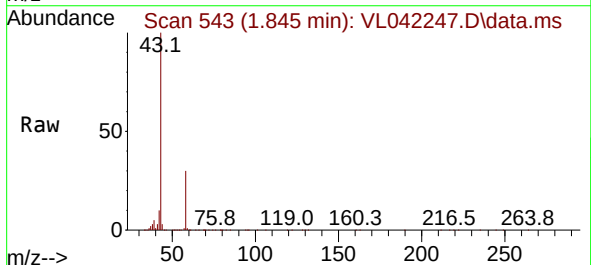
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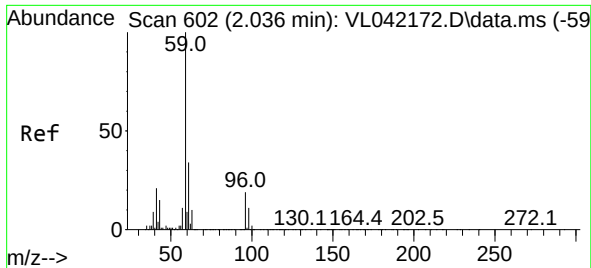
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#15
Acetone
Concen: 39.756 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.013 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

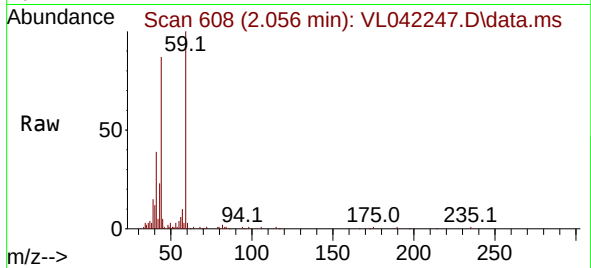
Tgt Ion: 43 Resp: 1081614
Ion Ratio Lower Upper
43 100
58 28.1 23.2 34.8





#17
tert-Butyl alcohol
Concen: 0.304 ppbv m
RT: 2.056 min Scan# 602
Delta R.T. 0.019 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

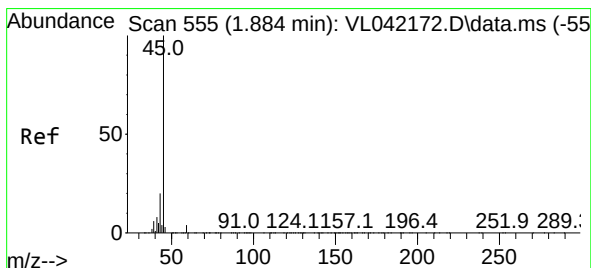
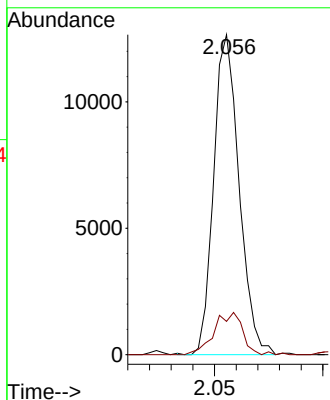
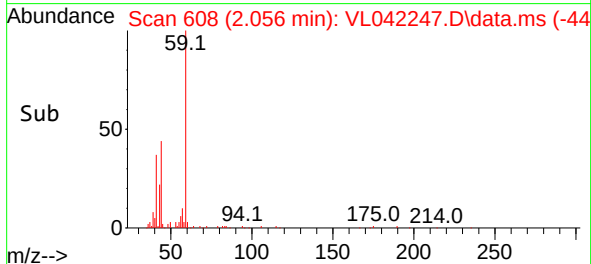
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025



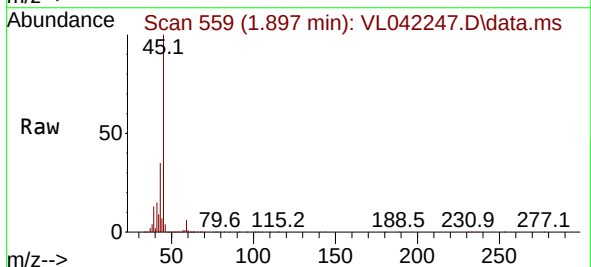
Tgt Ion: 59 Resp: 10312
Ion Ratio Lower Upper
59 100
57 79.1 8.9 13.3

Manual Integrations
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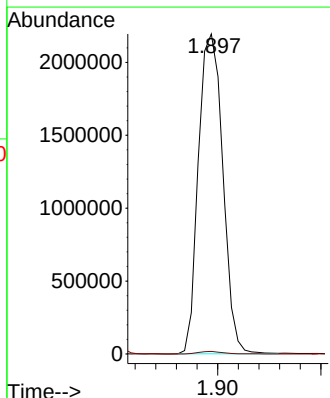
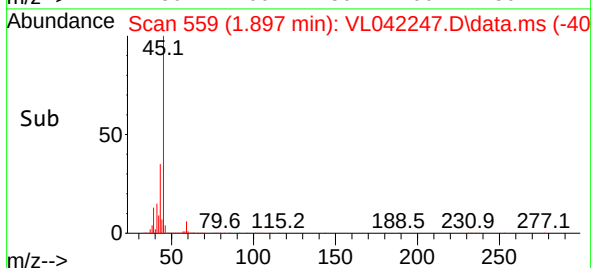
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

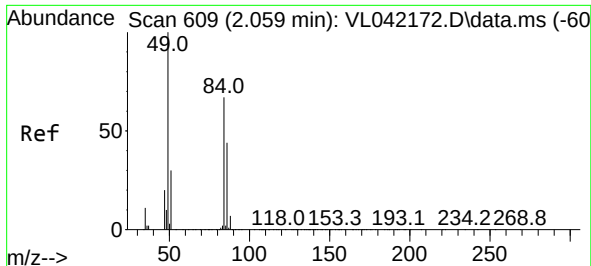


#19
Isopropyl Alcohol
Concen: 117.225 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.013 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41



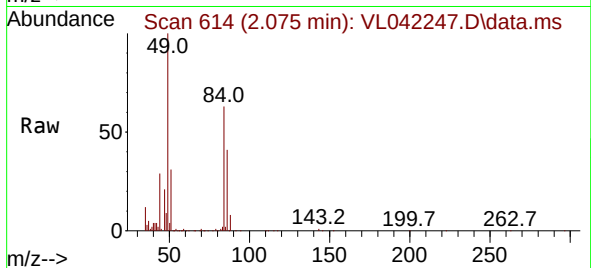
Tgt Ion: 45 Resp: 1799475
Ion Ratio Lower Upper
45 100
58 0.9 36.9 55.3





#20
Methylene Chloride
Concen: 1.699 ppbv
RT: 2.075 min Scan# 614
Delta R.T. 0.016 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

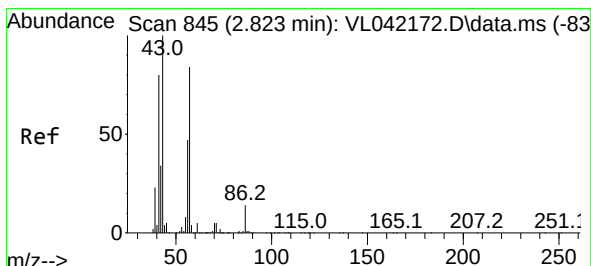
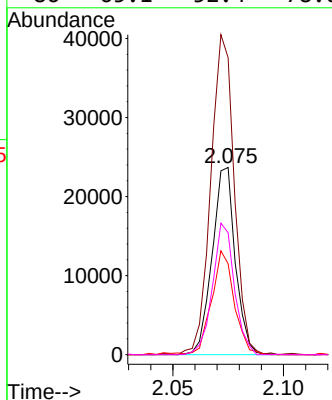
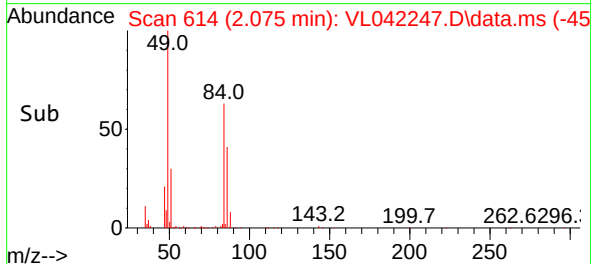
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025



Tgt Ion: 84 Resp: 17220
Ion Ratio Lower Upper
84 100
49 158.6 120.2 180.4
51 48.5 37.4 56.0
86 65.1 52.4 78.6

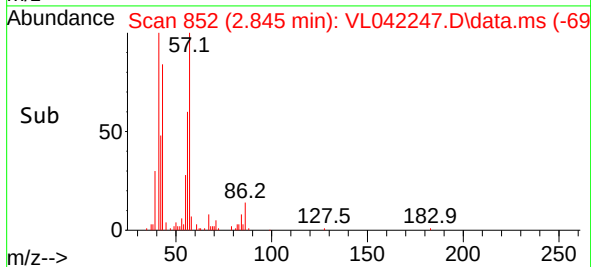
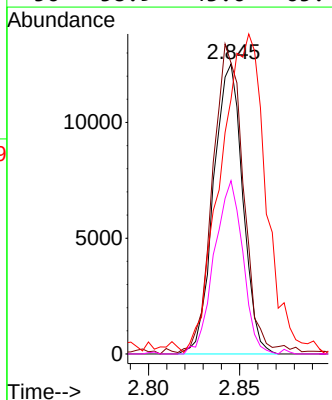
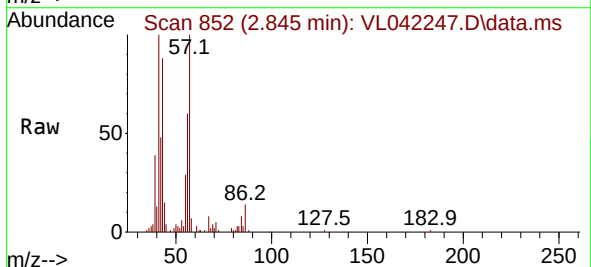
Manual Integrations
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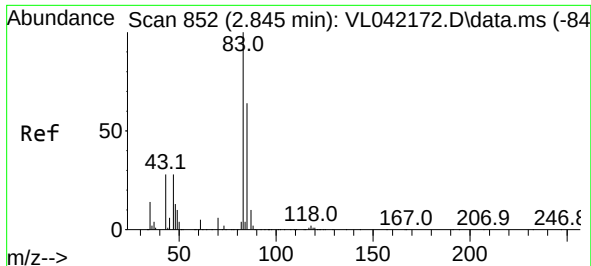
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#26
Hexane
Concen: 0.510 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.022 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 57 Resp: 13903
Ion Ratio Lower Upper
57 100
41 116.7 76.6 114.8#
43 171.7 207.8 311.8#
56 58.9 43.6 65.4





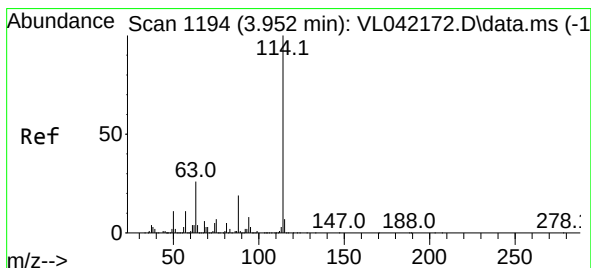
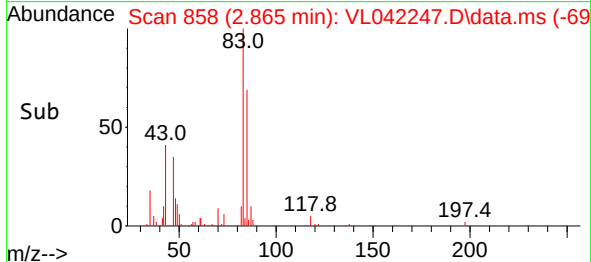
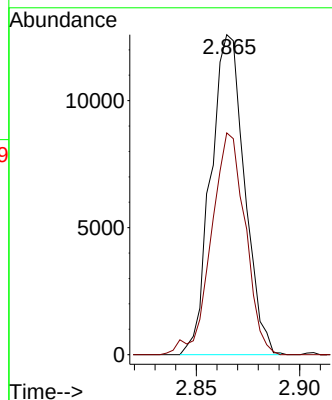
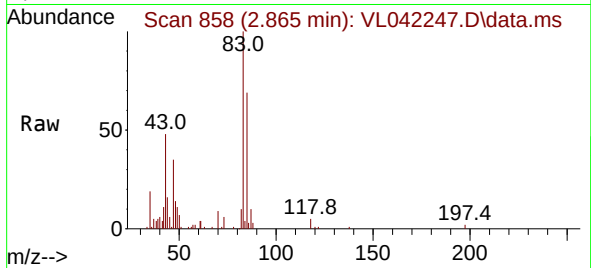
#29
Chloroform
Concen: 0.358 ppbv
RT: 2.865 min Scan# 81
Delta R.T. 0.019 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

Tgt Ion: 83 Resp: 14300
Ion Ratio Lower Upper
83 100
85 69.3 51.4 77.2

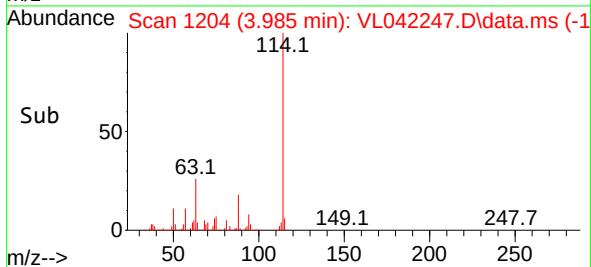
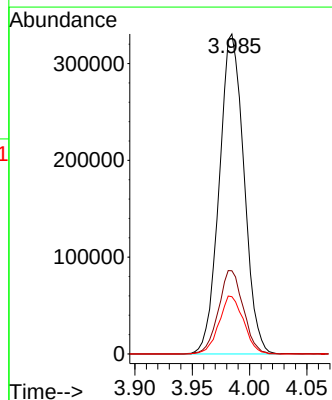
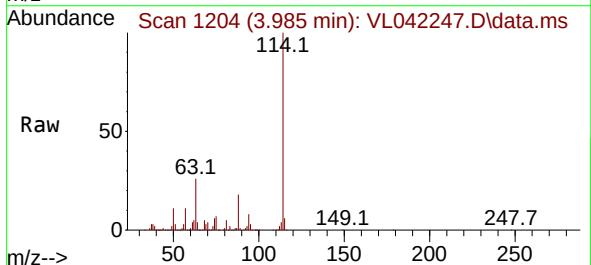
Manual Integrations
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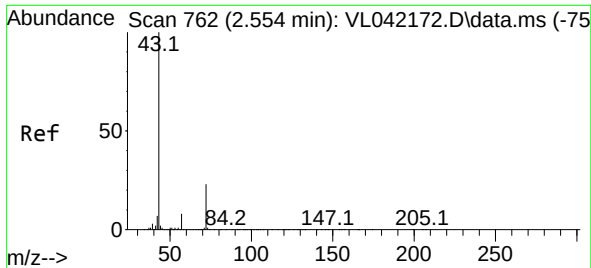
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.985 min Scan# 1204
Delta R.T. 0.032 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

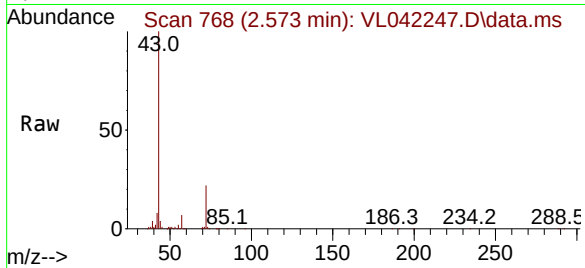
Tgt Ion:114 Resp: 495845
Ion Ratio Lower Upper
114 100
63 26.2 20.7 31.1
88 18.0 15.0 22.4





#34
2-Butanone
Concen: 4.910 ppbv
RT: 2.573 min Scan# 70
Delta R.T. 0.019 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

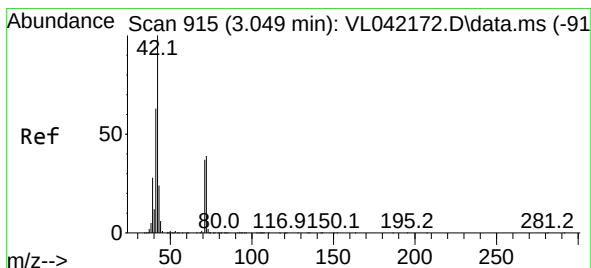
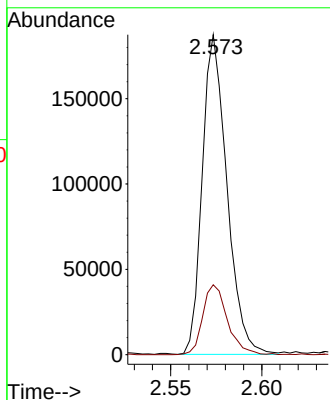
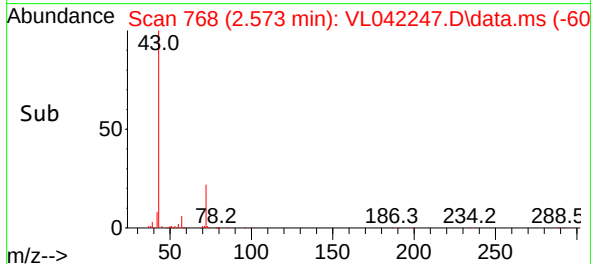
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025



Tgt Ion: 43 Resp: 17654
Ion Ratio Lower Upper
43 100
72 22.0 18.2 27.2

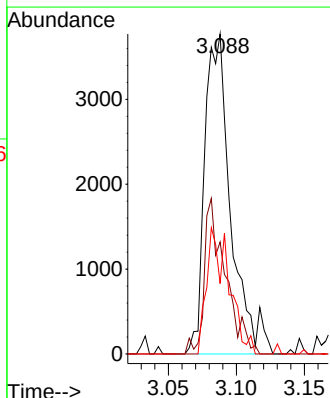
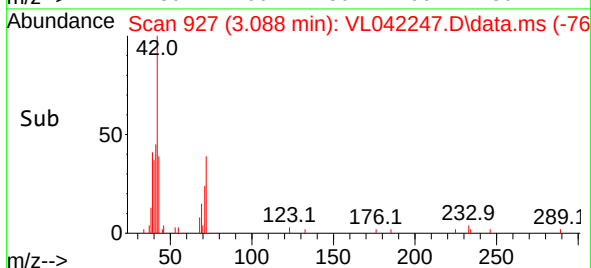
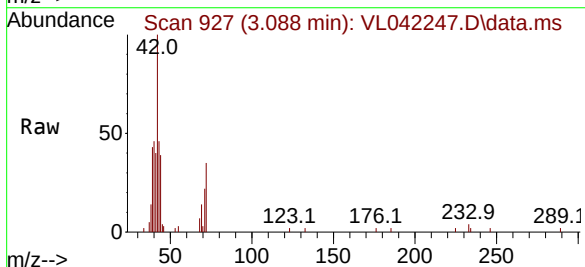
Manual Integrations
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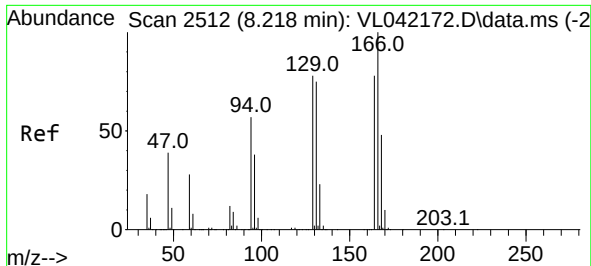
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#41
Tetrahydrofuran
Concen: 0.242 ppbv m
RT: 3.088 min Scan# 927
Delta R.T. 0.039 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

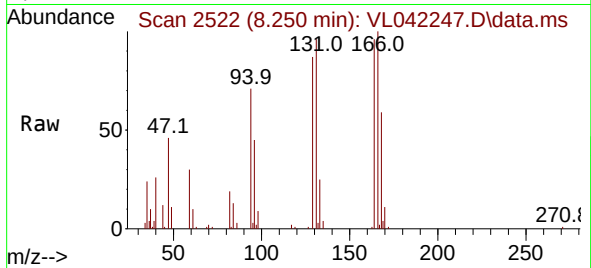
Tgt Ion: 42 Resp: 5017
Ion Ratio Lower Upper
42 100
72 39.3 31.4 47.0
71 34.0 30.2 45.4





#52
Tetrachloroethene
Concen: 0.621 ppbv
RT: 8.250 min Scan# 2123
Delta R.T. 0.032 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

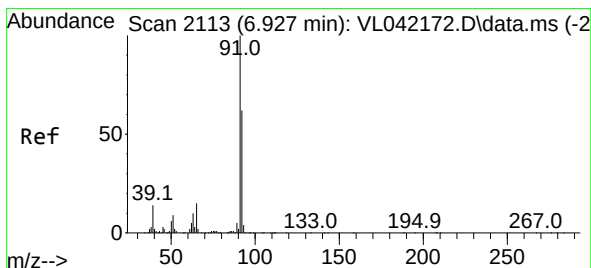
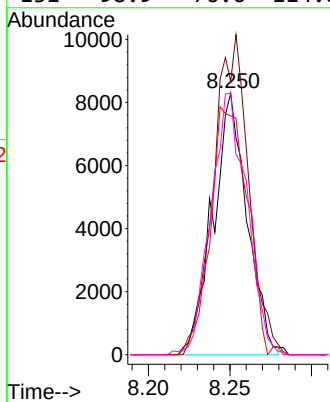
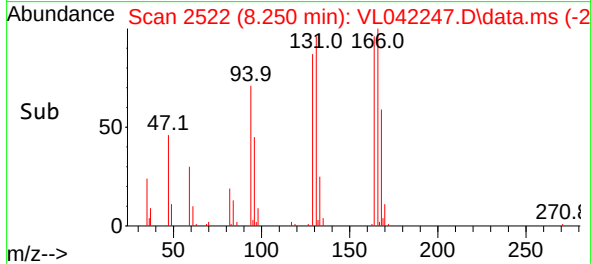
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025



Tgt Ion:164 Resp: 1209
Ion Ratio Lower Upper
164 100
166 104.5 102.5 153.7
129 91.4 79.8 119.8
131 98.9 76.6 114.8

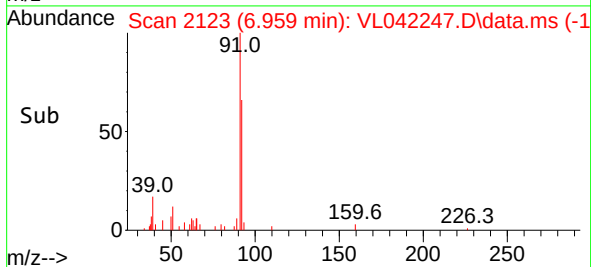
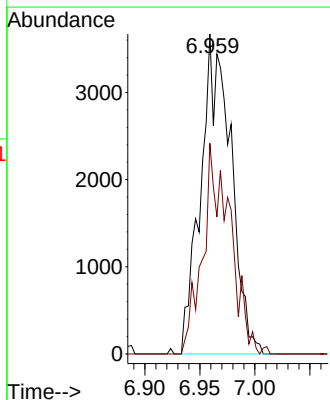
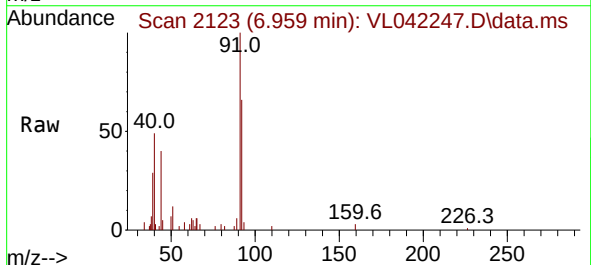
Manual Integrations
APPROVED

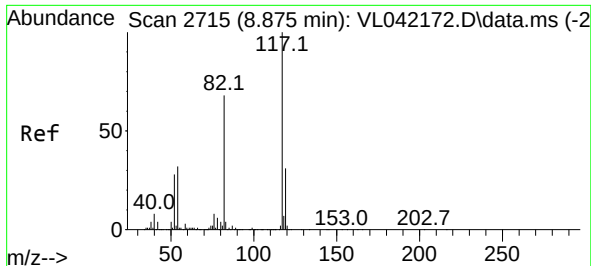
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#53
Toluene
Concen: 0.120 ppbv m
RT: 6.959 min Scan# 2123
Delta R.T. 0.032 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

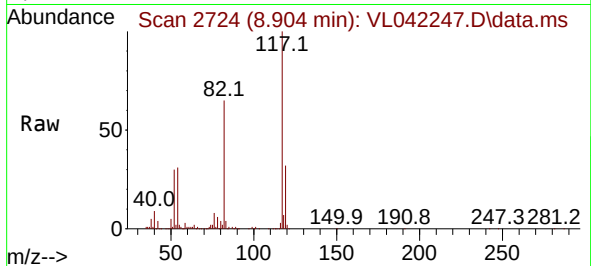
Tgt Ion: 91 Resp: 6983
Ion Ratio Lower Upper
91 100
92 0.0 48.4 72.6#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 21
Delta R.T. 0.029 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

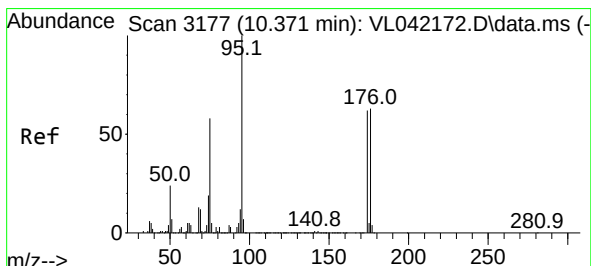
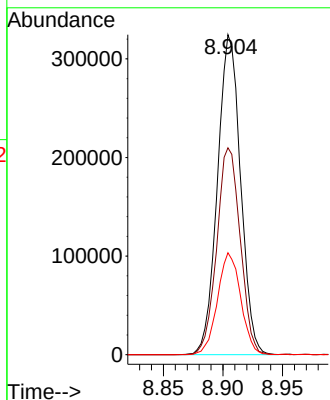
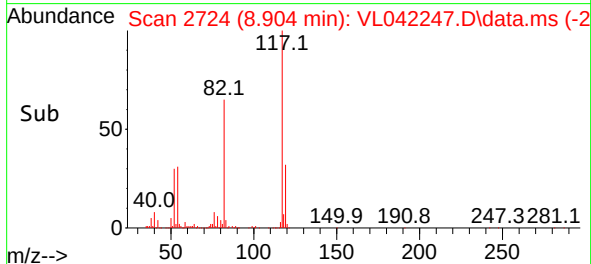
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025



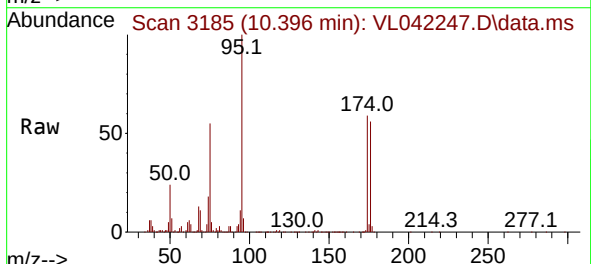
Tgt Ion: 117 Resp: 437120
Ion Ratio Lower Upper
117 100
82 65.8 55.8 83.6
119 32.2 25.5 38.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.077 ppbv
RT: 10.396 min Scan# 3185
Delta R.T. 0.026 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41



Tgt Ion: 95 Resp: 361726
Ion Ratio Lower Upper
95 100
174 59.9 50.6 76.0
175 4.5 3.8 5.6

