

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
 Data File : VL042261.D
 Acq On : 08 Apr 2025 13:52
 Operator : SY/MD
 Sample : Q1728-06DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B2-5-04022025DL

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/09/2025
 Supervised By :Semsettin Yesilyurt 04/10/2025

Quant Time: Apr 09 01:55:11 2025

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

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

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	158005	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.981	114	439373	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	391568	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	295748	9.197	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.000%
Target Compounds						
					Qvalue	
9) Propene	1.489	41	4186	0.383	ppbv	91
10) Heptane	5.014	43	4293m	0.148	ppbv	
13) Ethanol	1.729	45	1531	1.483	ppbv	98
15) Acetone	1.845	43	225134	10.188	ppbv	96
20) Methylene Chloride	2.072	84	2648	0.322	ppbv #	88
26) Hexane	2.842	57	2402m	0.108	ppbv	
27) Carbon Disulfide	2.159	76	11933	0.502	ppbv #	40
30) Cyclohexane	3.878	84	3362m	0.175	ppbv	
34) 2-Butanone	2.577	43	19969	0.627	ppbv	98
36) Benzene	3.677	78	13713	0.315	ppbv	98
44) 2,2,4-Trimethylpentane	4.668	57	20025	0.272	ppbv #	79
53) Toluene	6.962	91	63357	1.227	ppbv	98
58) Ethyl Benzene	9.380	91	10341	0.149	ppbv #	88
59) m/p-Xylene	9.552	91	21814m	0.393	ppbv	
60) o-Xylene	9.982	91	9278	0.167	ppbv	92
71) 2-Chlorotoluene	10.918	91	7066	0.109	ppbv	98

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

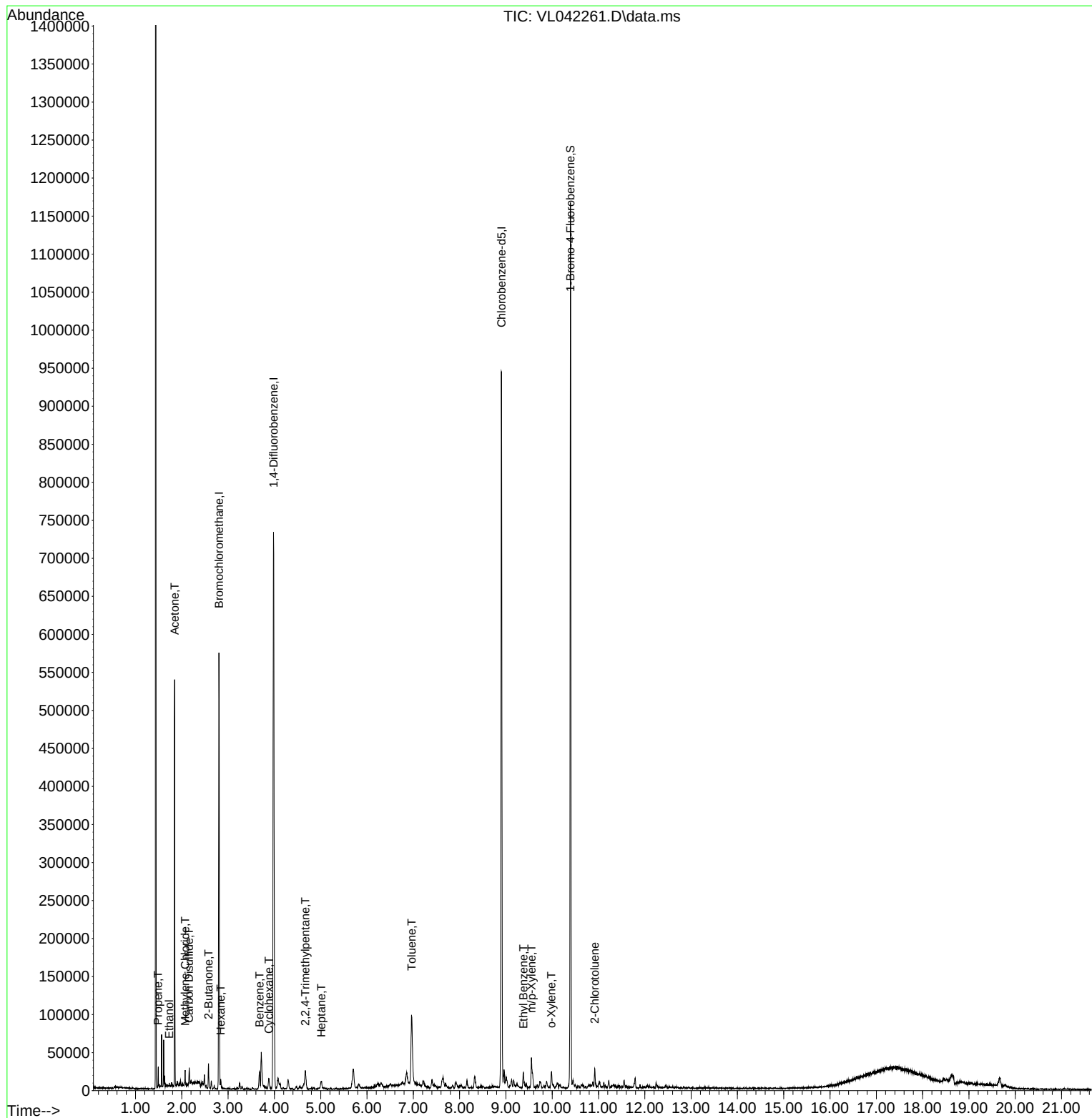
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042261.D
Acq On : 08 Apr 2025 13:52
Operator : SY/MD
Sample : Q1728-06DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

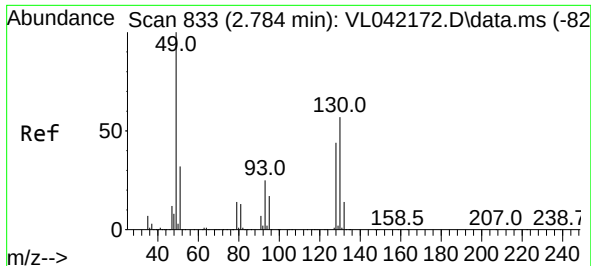
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-5-04022025DL

Quant Time: Apr 09 01:55:11 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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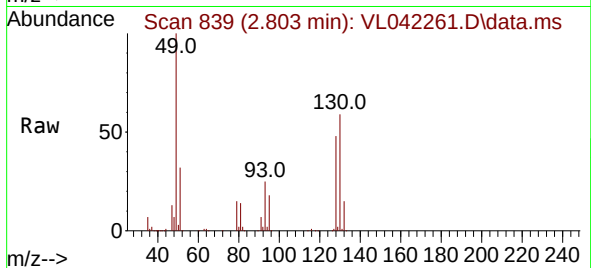
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 81
Delta R.T. 0.019 min
Lab File: VL042261.D
Acq: 08 Apr 2025 13:52

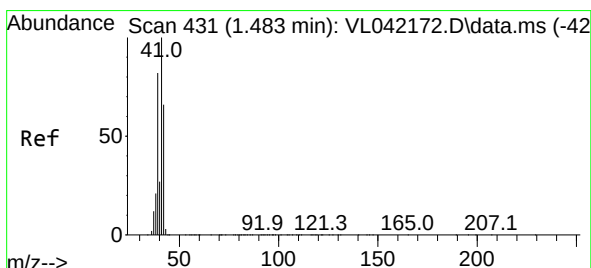
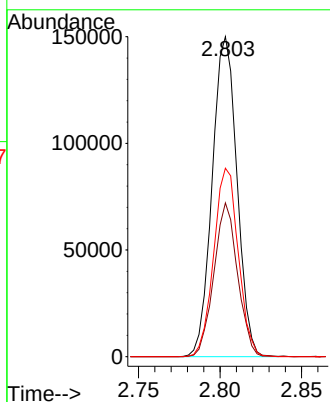
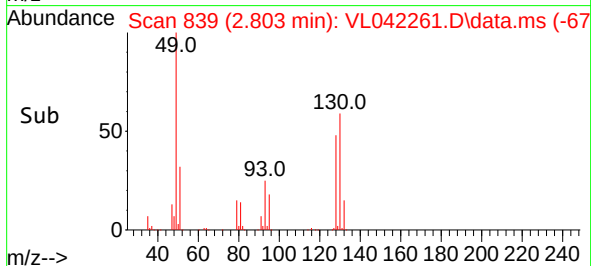
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-5-04022025DL



Tgt Ion: 49 Resp: 15800
Ion Ratio Lower Upper
49 100
128 46.0 22.9 68.5
130 58.5 28.8 86.4

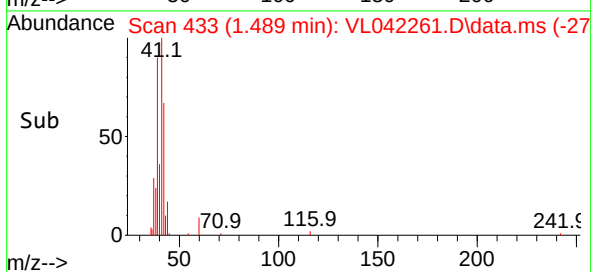
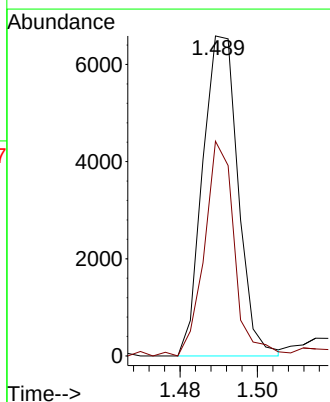
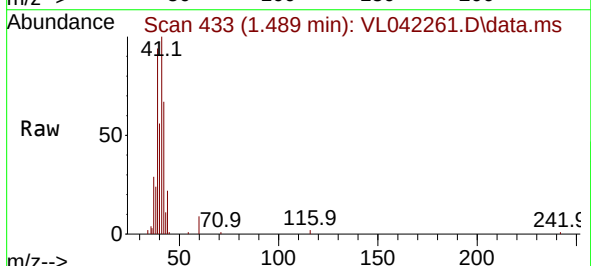
Manual Integrations
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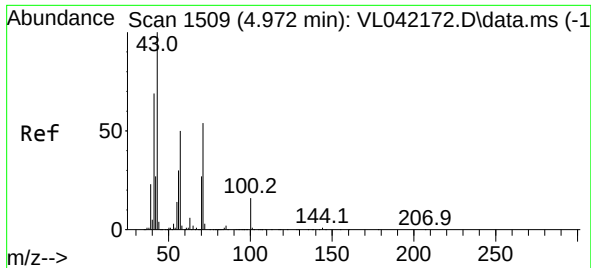
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#9
Propene
Concen: 0.383 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.006 min
Lab File: VL042261.D
Acq: 08 Apr 2025 13:52

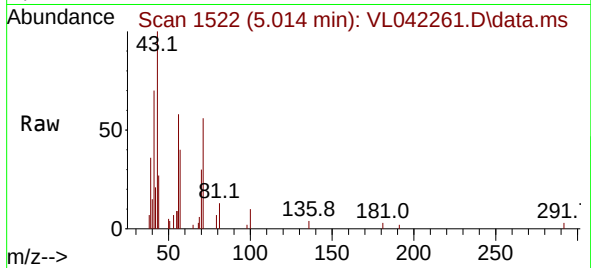
Tgt Ion: 41 Resp: 4186
Ion Ratio Lower Upper
41 100
42 62.2 55.4 83.2





#10
Heptane
Concen: 0.148 ppbv m
RT: 5.014 min Scan# 11
Delta R.T. 0.042 min
Lab File: VL042261.D
Acq: 08 Apr 2025 13:52

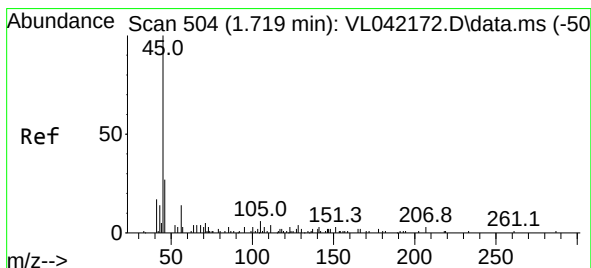
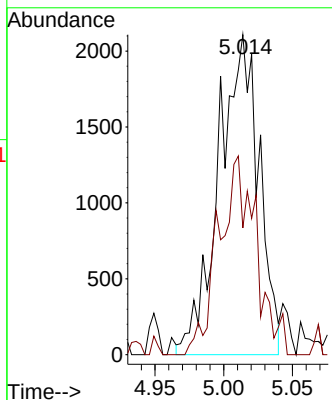
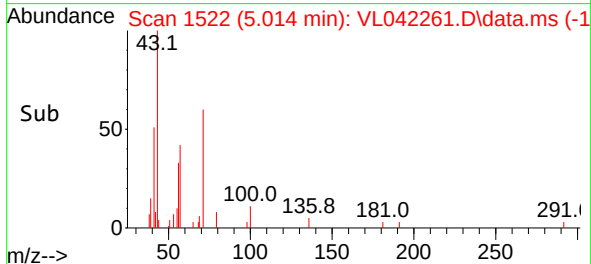
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-5-04022025DL



Tgt Ion: 43 Resp: 429
Ion Ratio Lower Upper
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57 57.3 39.4 59.2

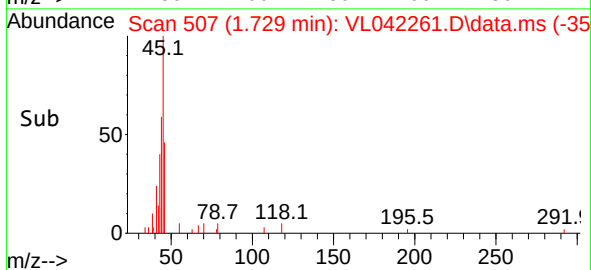
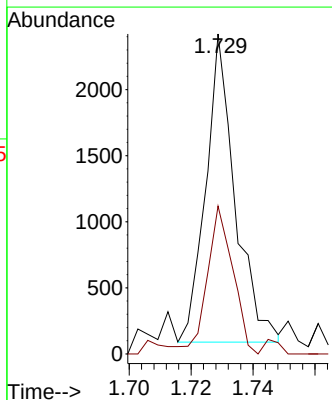
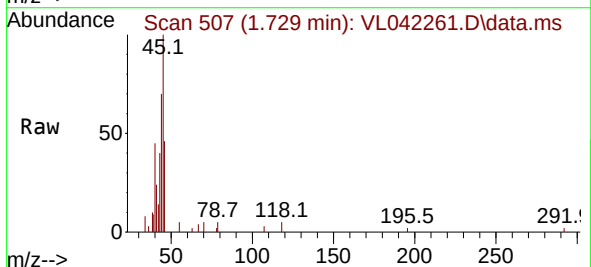
Manual Integrations
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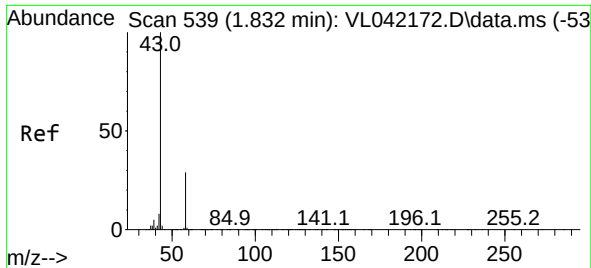
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#13
Ethanol
Concen: 1.483 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.010 min
Lab File: VL042261.D
Acq: 08 Apr 2025 13:52

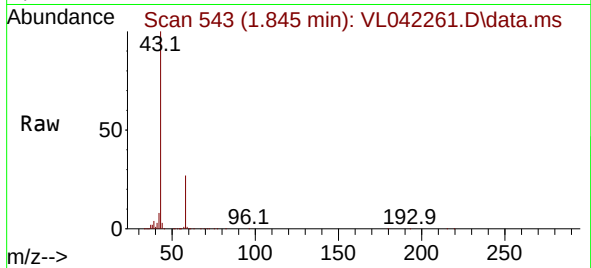
Tgt Ion: 45 Resp: 1531
Ion Ratio Lower Upper
45 100
46 49.1 20.2 80.8





#15
Acetone
Concen: 10.188 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.013 min
Lab File: VL042261.D
Acq: 08 Apr 2025 13:52

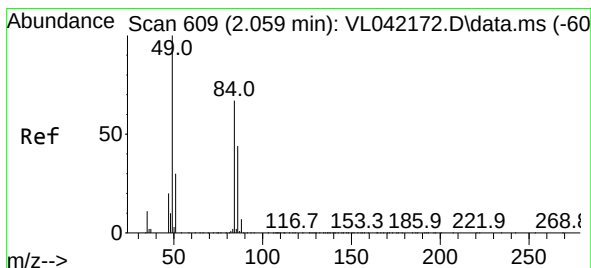
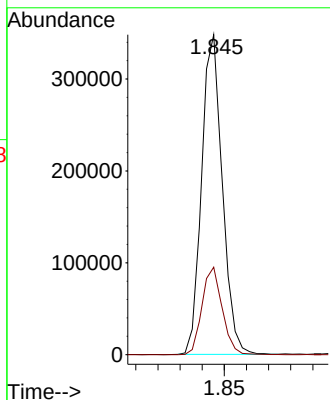
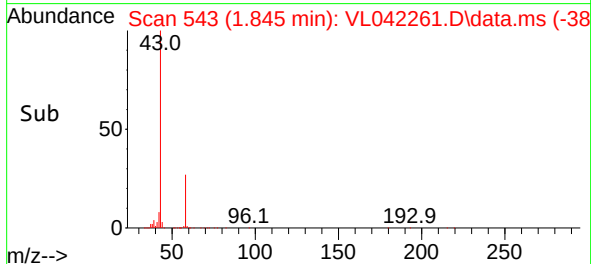
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-5-04022025DL



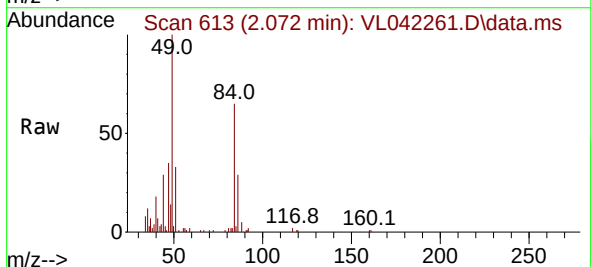
Tgt Ion: 43 Resp: 225134
Ion Ratio Lower Upper
43 100
58 26.7 23.2 34.8

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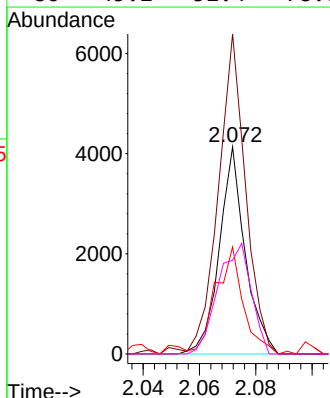
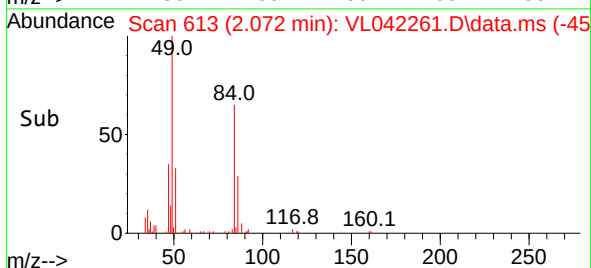
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025

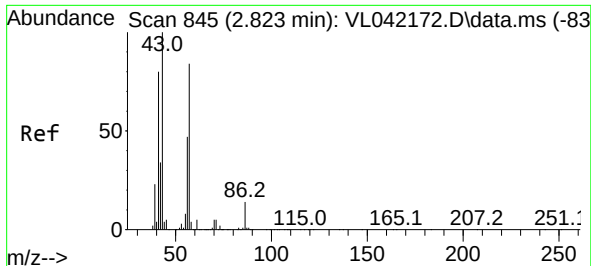


#20
Methylene Chloride
Concen: 0.322 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042261.D
Acq: 08 Apr 2025 13:52



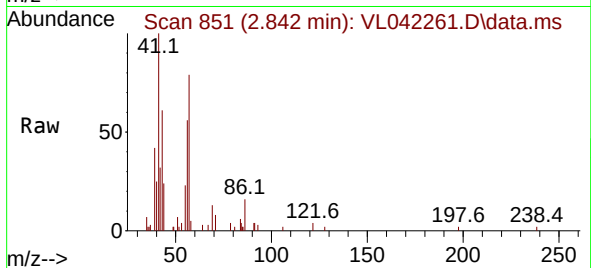
Tgt Ion: 84 Resp: 2648
Ion Ratio Lower Upper
84 100
49 158.8 120.2 180.4
51 51.7 37.4 56.0
86 45.2 52.4 78.6#





#26
Hexane
Concen: 0.108 ppbv m
RT: 2.842 min Scan# 845
Delta R.T. 0.019 min
Lab File: VL042261.D
Acq: 08 Apr 2025 13:52

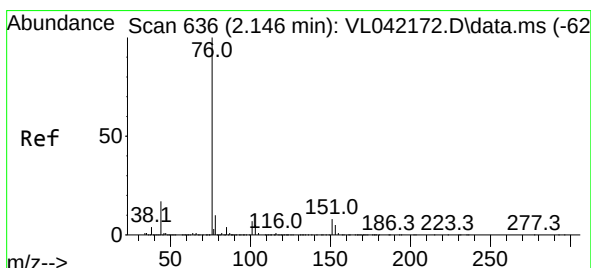
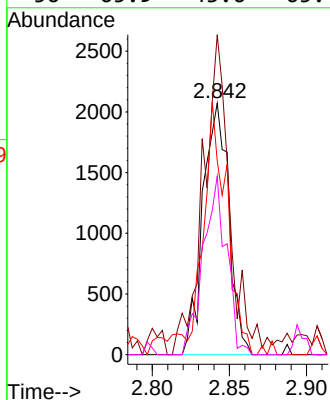
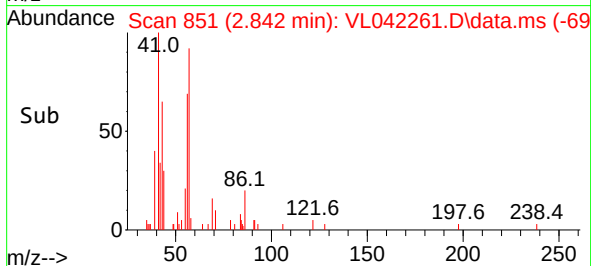
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-5-04022025DL



Tgt Ion: 57 Resp: 240
Ion Ratio Lower Upper
57 100
41 157.3 76.6 114.8
43 99.0 207.8 311.8
56 65.9 43.6 65.4#

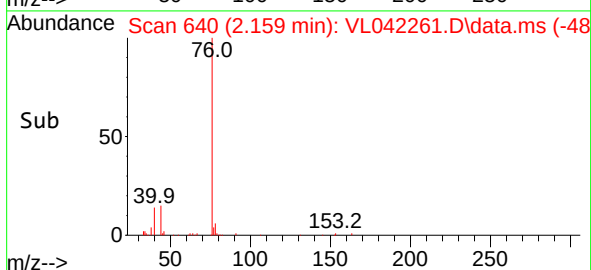
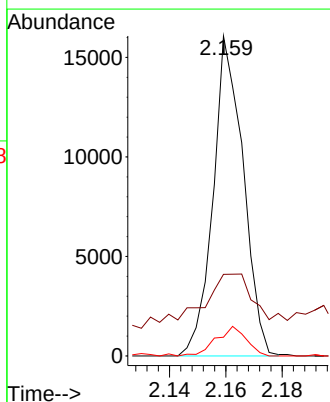
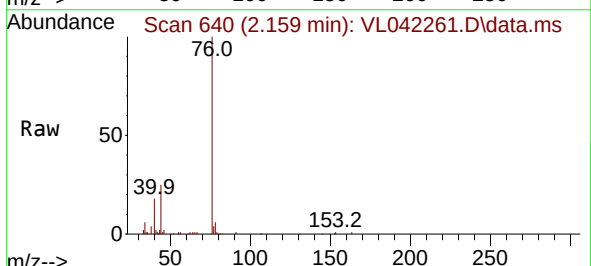
Manual Integrations
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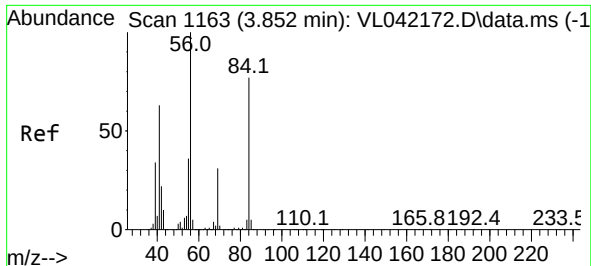
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#27
Carbon Disulfide
Concen: 0.502 ppbv
RT: 2.159 min Scan# 640
Delta R.T. 0.013 min
Lab File: VL042261.D
Acq: 08 Apr 2025 13:52

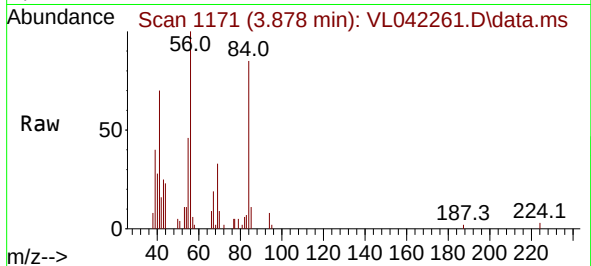
Tgt Ion: 76 Resp: 11933
Ion Ratio Lower Upper
76 100
44 60.6 14.7 22.1#
78 10.1 9.3 13.9





#30
Cyclohexane
Concen: 0.175 ppbv m
RT: 3.878 min Scan# 1163
Delta R.T. 0.026 min
Lab File: VL042261.D
Acq: 08 Apr 2025 13:52

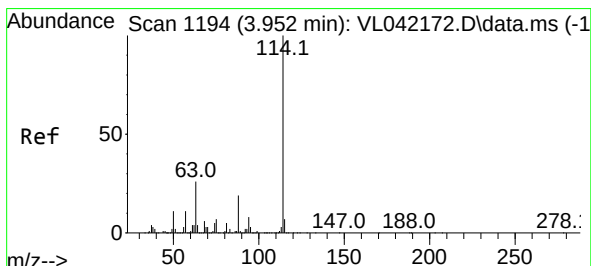
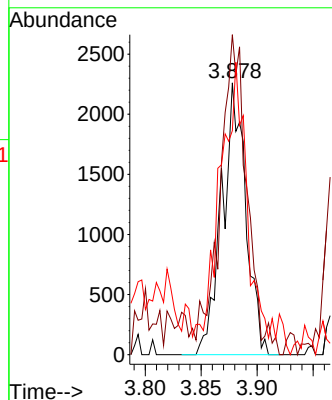
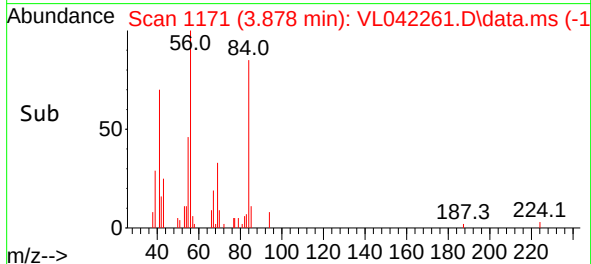
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-5-04022025DL



Tgt Ion: 84 Resp: 3362
Ion Ratio Lower Upper
84 100
56 132.9 102.8 154.2
41 124.5 66.5 99.7

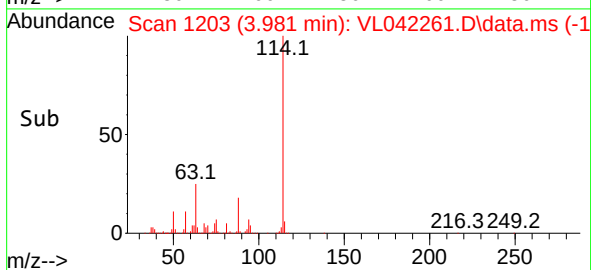
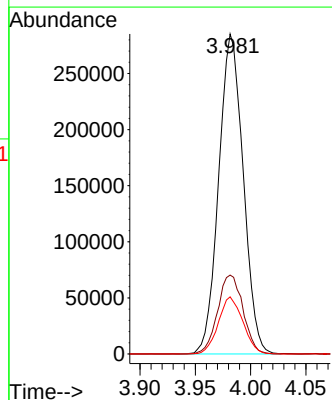
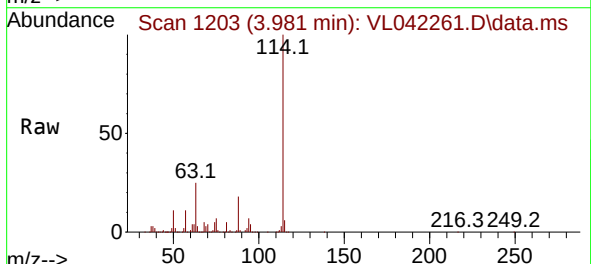
Manual Integrations
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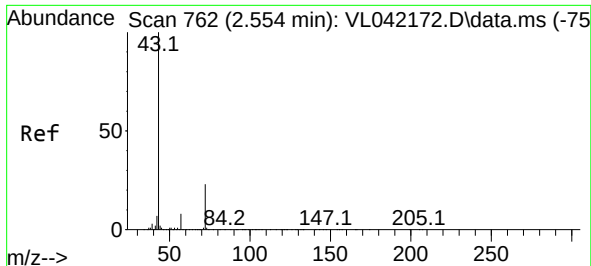
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1203
Delta R.T. 0.029 min
Lab File: VL042261.D
Acq: 08 Apr 2025 13:52

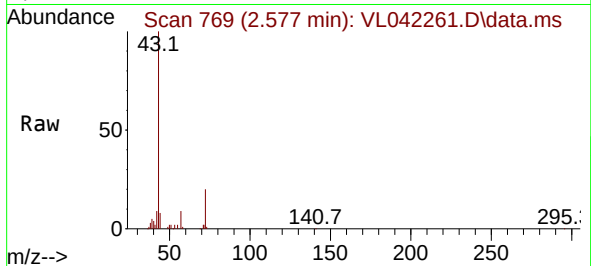
Tgt Ion:114 Resp: 439373
Ion Ratio Lower Upper
114 100
63 25.5 20.7 31.1
88 17.8 15.0 22.4





#34
2-Butanone
Concen: 0.627 ppbv
RT: 2.577 min Scan# 710
Delta R.T. 0.023 min
Lab File: VL042261.D
Acq: 08 Apr 2025 13:52

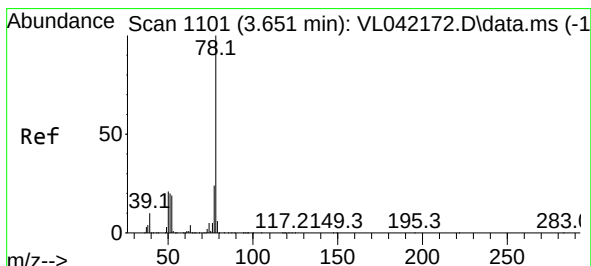
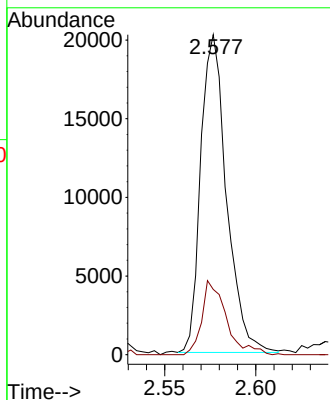
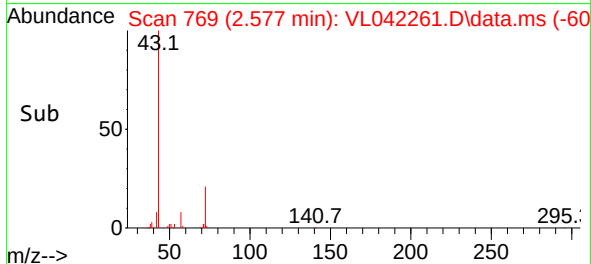
Instrument :
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ClientSampleId :
SSSG-B2-5-04022025DL



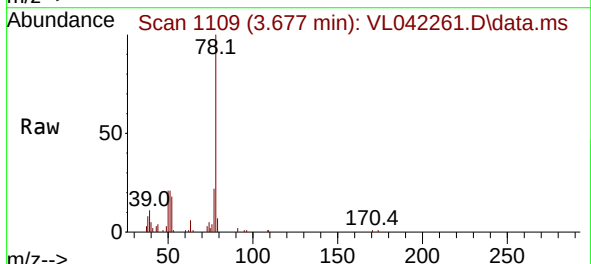
Tgt Ion: 43 Resp: 1996
Ion Ratio Lower Upper
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72 21.9 18.2 27.2

Manual Integrations
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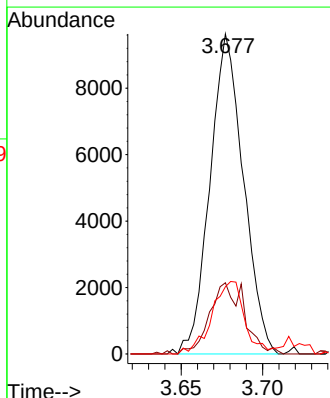
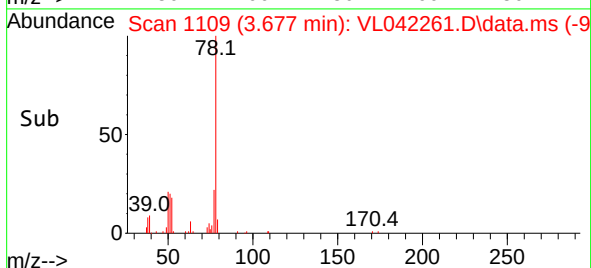
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025

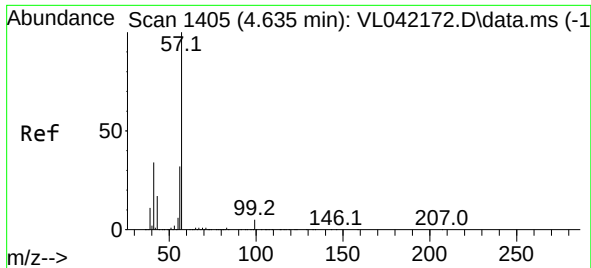


#36
Benzene
Concen: 0.315 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. 0.026 min
Lab File: VL042261.D
Acq: 08 Apr 2025 13:52



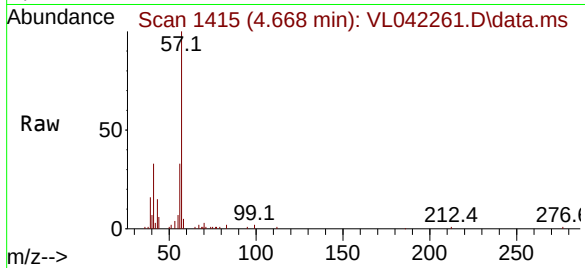
Tgt Ion: 78 Resp: 13713
Ion Ratio Lower Upper
78 100
77 22.3 19.1 28.7
50 21.0 16.6 24.8





#44
 2,2,4-Trimethylpentane
 Concen: 0.272 ppbv
 RT: 4.668 min Scan# 1405
 Delta R.T. 0.032 min
 Lab File: VL042261.D
 Acq: 08 Apr 2025 13:52

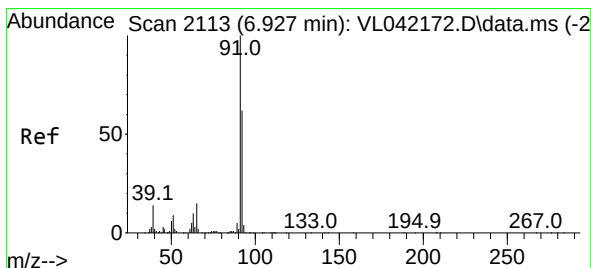
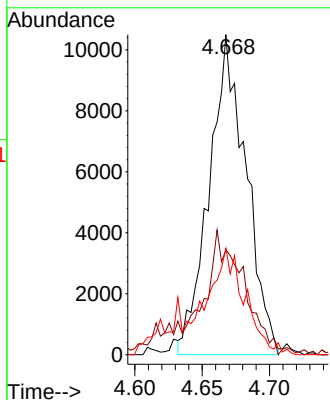
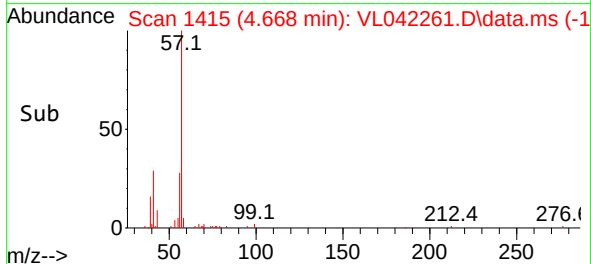
Instrument : MSVOA_L
 ClientSampleId : SSSG-B2-5-04022025DL



Tgt Ion: 57 Resp: 20025
 Ion Ratio Lower Upper
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 41 46.0 26.8 40.2
 56 43.0 25.6 38.4

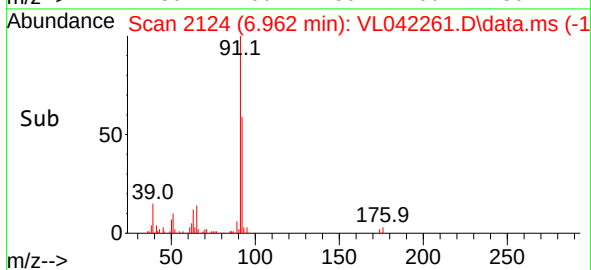
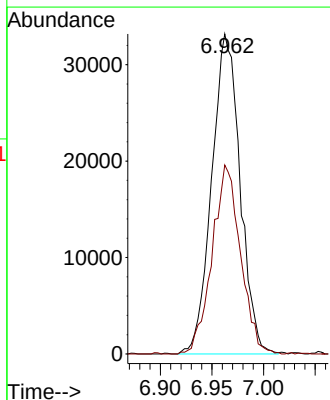
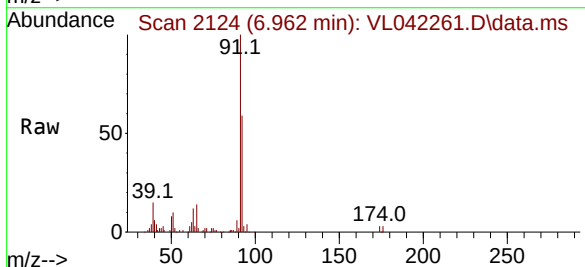
Manual Integrations
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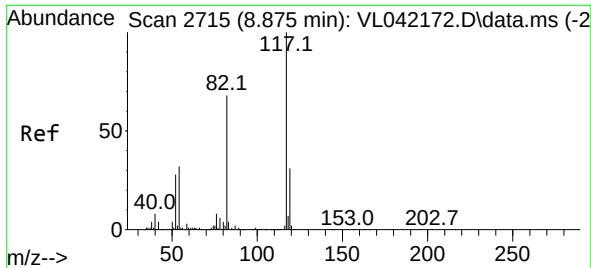
Reviewed By :Mahesh Dadoda 04/09/2025
 Supervised By :Semsettin Yesilyurt 04/10/2025



#53
 Toluene
 Concen: 1.227 ppbv
 RT: 6.962 min Scan# 2124
 Delta R.T. 0.035 min
 Lab File: VL042261.D
 Acq: 08 Apr 2025 13:52

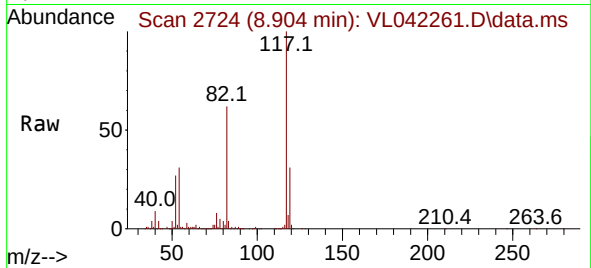
Tgt Ion: 91 Resp: 63357
 Ion Ratio Lower Upper
 91 100
 92 59.1 48.4 72.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 21
Delta R.T. 0.029 min
Lab File: VL042261.D
Acq: 08 Apr 2025 13:52

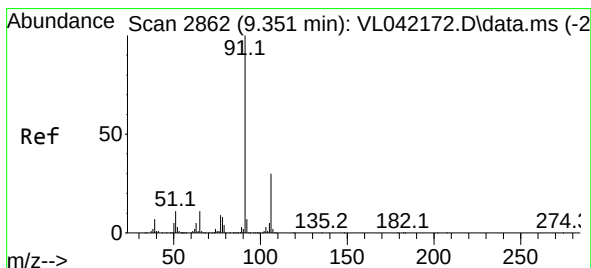
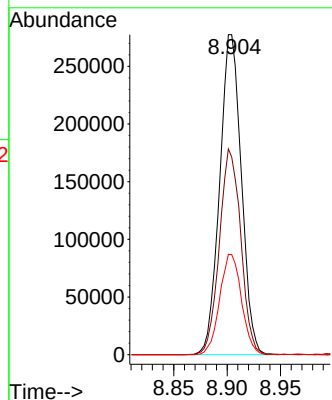
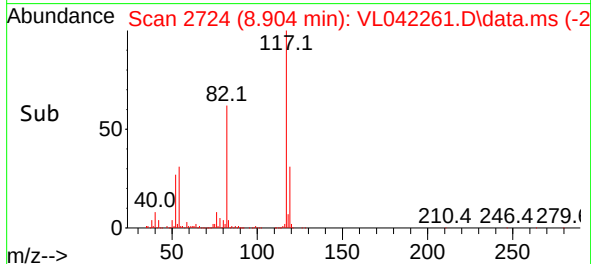
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-5-04022025DL



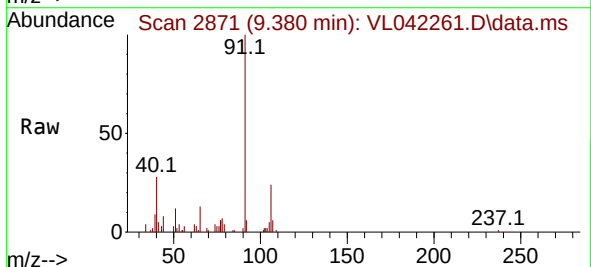
Tgt Ion:117 Resp: 391568
Ion Ratio Lower Upper
117 100
82 63.5 55.8 83.6
119 31.6 25.5 38.3

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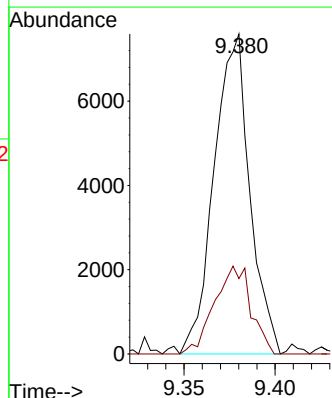
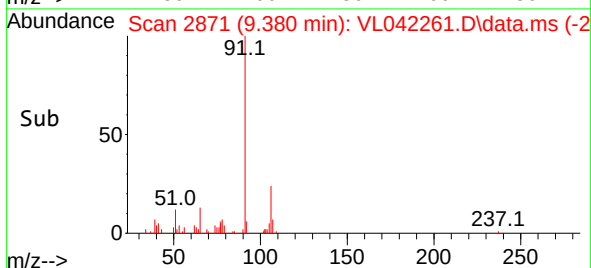
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025

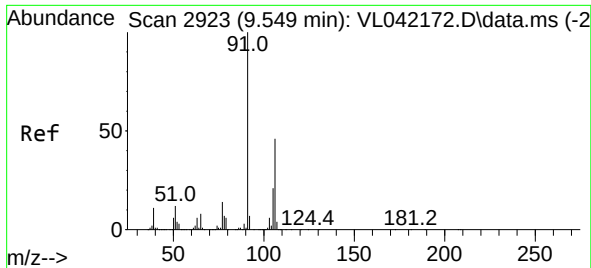


#58
Ethyl Benzene
Concen: 0.149 ppbv
RT: 9.380 min Scan# 2871
Delta R.T. 0.029 min
Lab File: VL042261.D
Acq: 08 Apr 2025 13:52



Tgt Ion: 91 Resp: 10341
Ion Ratio Lower Upper
91 100
106 23.6 24.2 36.2#





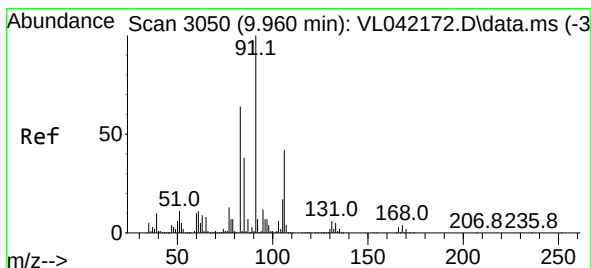
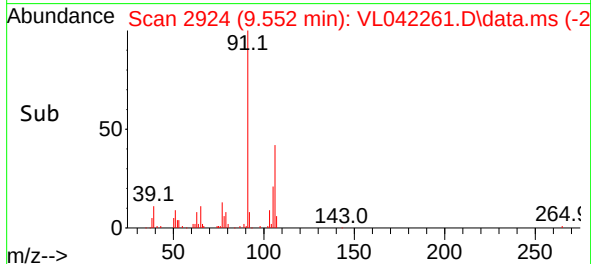
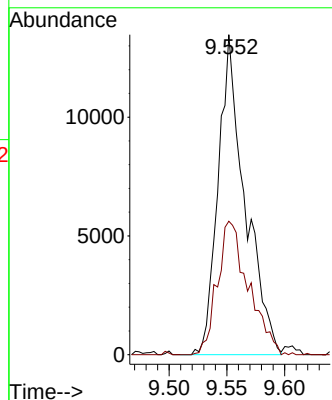
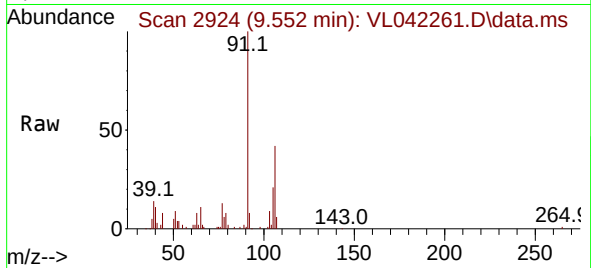
#59
m/p-Xylene
Concen: 0.393 ppbv m
RT: 9.552 min Scan# 2924
Delta R.T. 0.003 min
Lab File: VL042261.D
Acq: 08 Apr 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-5-04022025DL

Tgt Ion: 91 Resp: 21814
Ion Ratio Lower Upper
91 100
106 0.0 36.4 54.6

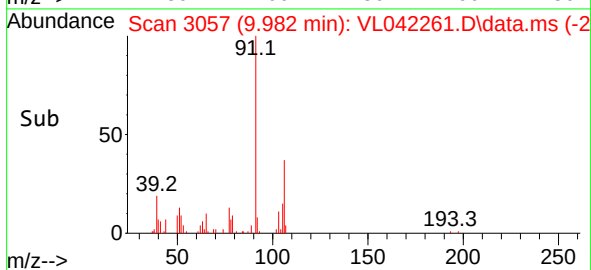
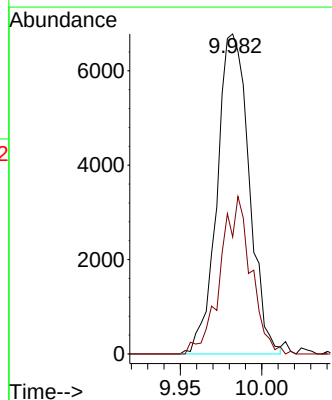
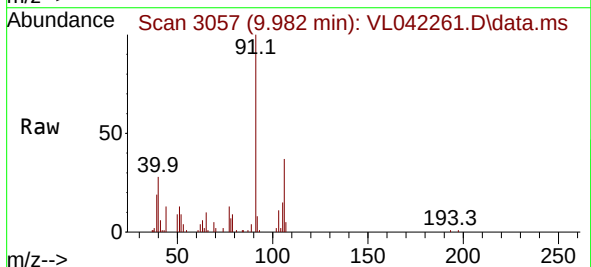
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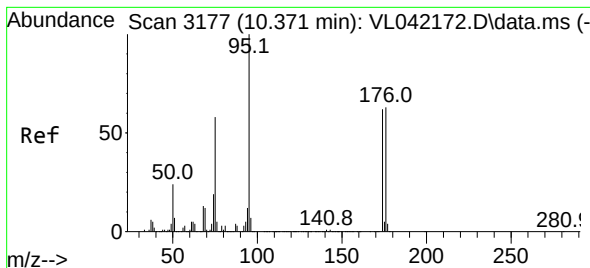
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#60
o-Xylene
Concen: 0.167 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. 0.023 min
Lab File: VL042261.D
Acq: 08 Apr 2025 13:52

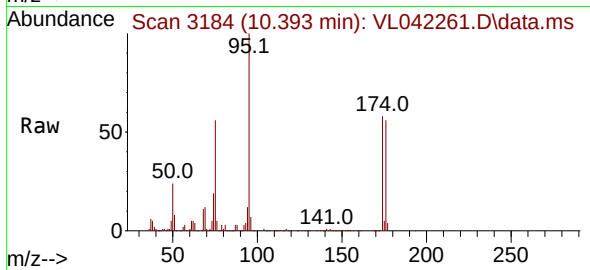
Tgt Ion: 91 Resp: 9278
Ion Ratio Lower Upper
91 100
106 47.0 20.8 62.5





#68
1-Bromo-4-Fluorobenzene
Concen: 9.197 ppbv
RT: 10.393 min Scan# 3177
Delta R.T. 0.023 min
Lab File: VL042261.D
Acq: 08 Apr 2025 13:52

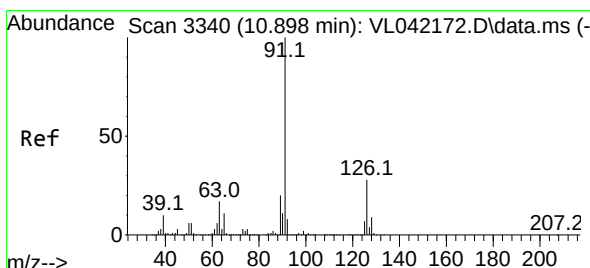
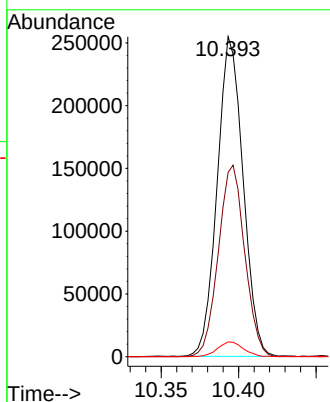
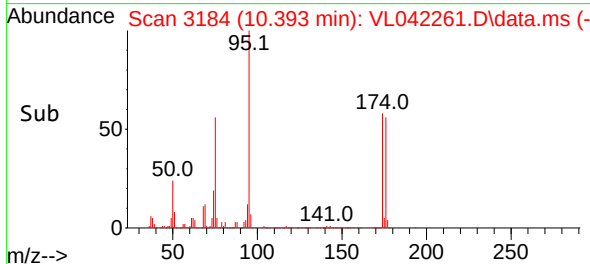
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-5-04022025DL



Tgt Ion: 95 Resp: 295748
Ion Ratio Lower Upper
95 100
174 61.4 50.6 76.0
175 4.7 3.8 5.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#71
2-Chlorotoluene
Concen: 0.109 ppbv
RT: 10.918 min Scan# 3346
Delta R.T. 0.019 min
Lab File: VL042261.D
Acq: 08 Apr 2025 13:52

Tgt Ion: 91 Resp: 7066
Ion Ratio Lower Upper
91 100
126 27.9 11.6 46.4

