

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
 Data File : VL042269.D
 Acq On : 08 Apr 2025 18:00
 Operator : SY/MD
 Sample : Q1728-04 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B2-7-04022025

Manual Integrations
 APPROVED

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

Quant Time: Apr 09 01:58:40 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri 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	2.797	49	152398	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.975	114	401198	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.898	117	362485	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	281014	9.440	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.400%
Target Compounds						
					Qvalue	
9) Propene	1.489	41	7460	0.708	ppbv	92
10) Heptane	4.994	43	3696m	0.132	ppbv	
13) Ethanol	1.725	45	14353	14.411	ppbv	80
15) Acetone	1.839	43	661383	31.031	ppbv	97
17) tert-Butyl alcohol	2.049	59	8394	0.316	ppbv #	87
20) Methylene Chloride	2.065	84	3703	0.466	ppbv #	78
26) Hexane	2.835	57	4431	0.207	ppbv #	38
27) Carbon Disulfide	2.156	76	24533	1.071	ppbv #	49
34) 2-Butanone	2.570	43	43752	1.504	ppbv	99
36) Benzene	3.671	78	16307	0.410	ppbv #	87
44) 2,2,4-Trimethylpentane	4.658	57	17341m	0.258	ppbv	
53) Toluene	6.949	91	57797	1.226	ppbv	100
59) m/p-Xylene	9.545	91	11913m	0.232	ppbv	

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

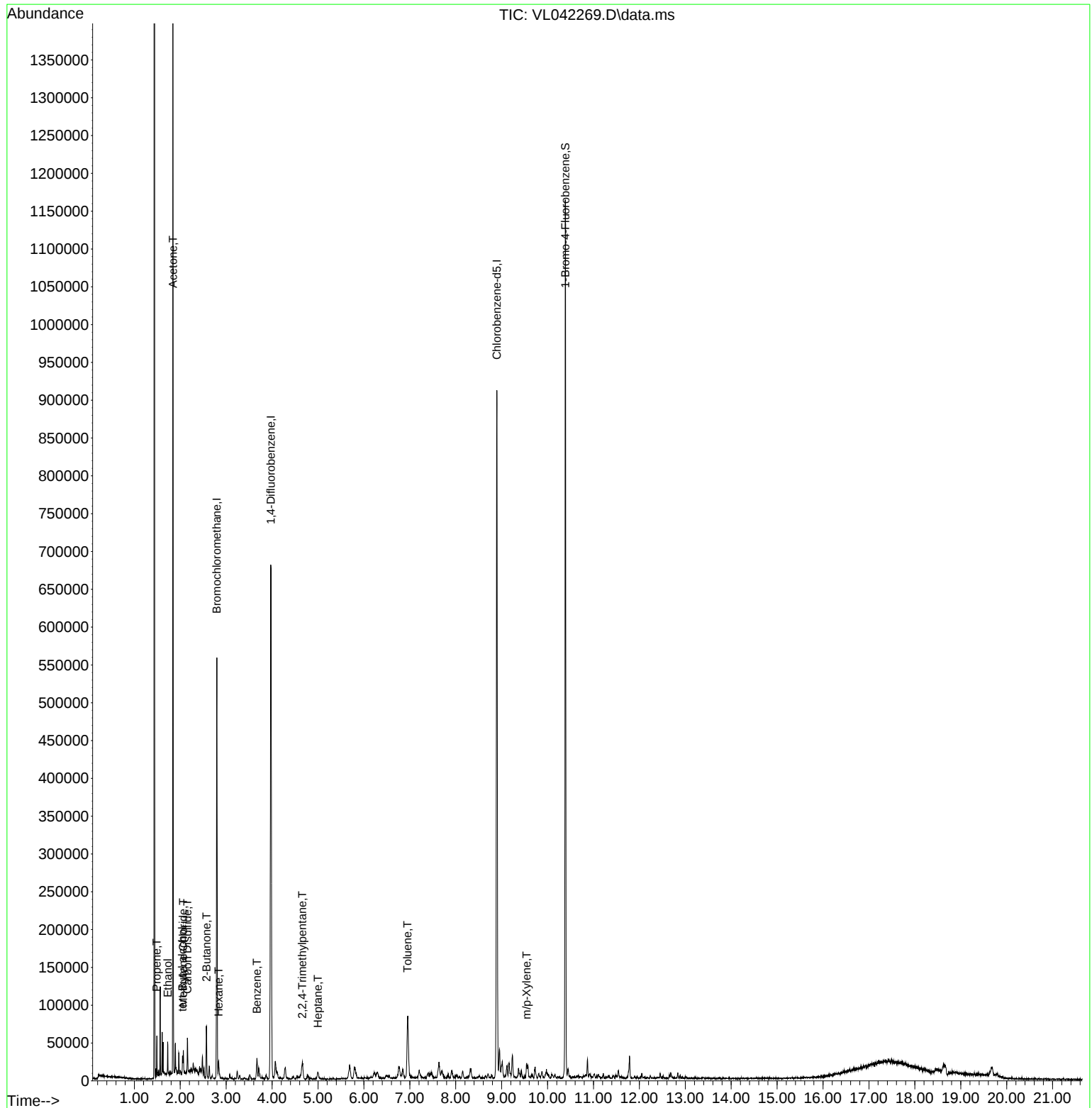
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042269.D
Acq On : 08 Apr 2025 18:00
Operator : SY/MD
Sample : Q1728-04 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

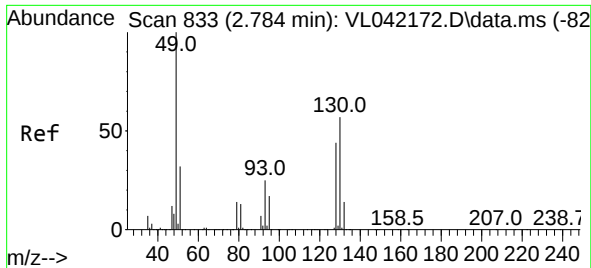
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-7-04022025

Manual Integrations
APPROVED

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

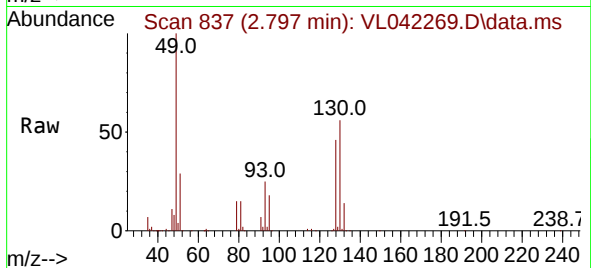
Quant Time: Apr 09 01:58:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL042269.D
Acq: 08 Apr 2025 18:00

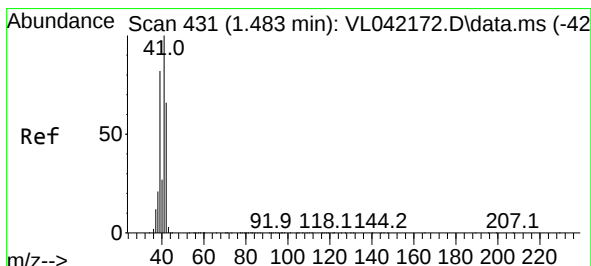
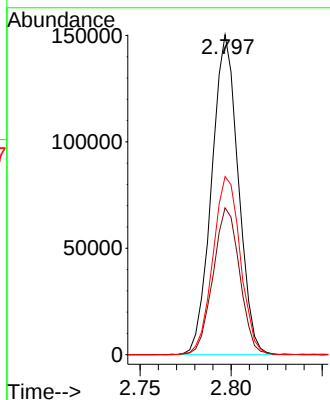
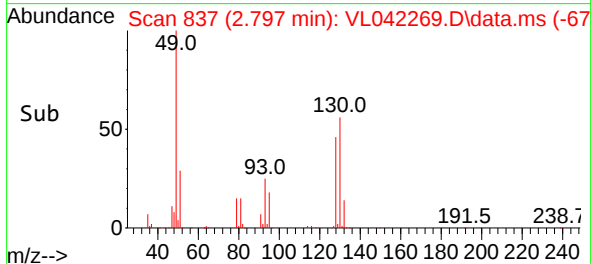
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-7-04022025



Tgt Ion: 49 Resp: 152398
Ion Ratio Lower Upper
49 100
128 45.9 22.9 68.5
130 57.5 28.8 86.4

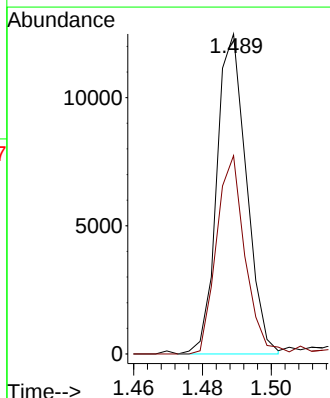
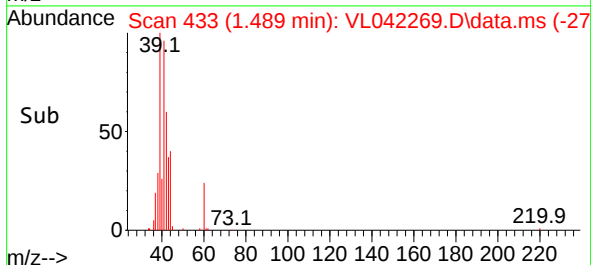
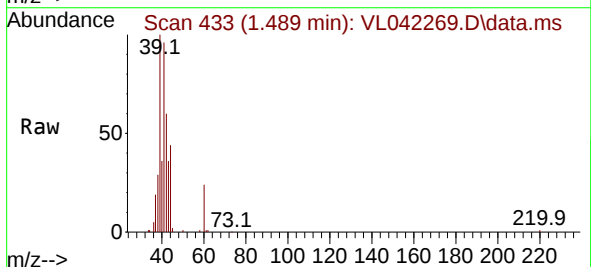
Manual Integrations
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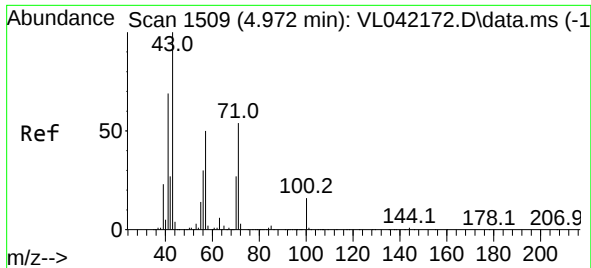
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#9
Propene
Concen: 0.708 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.006 min
Lab File: VL042269.D
Acq: 08 Apr 2025 18:00

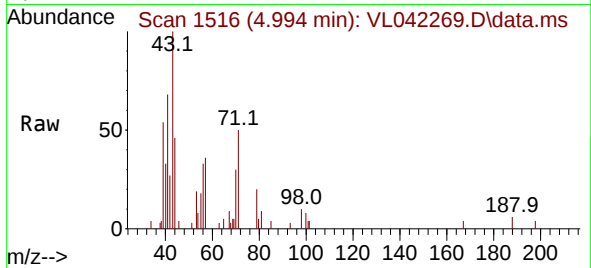
Tgt Ion: 41 Resp: 7460
Ion Ratio Lower Upper
41 100
42 63.0 55.4 83.2





#10
Heptane
Concen: 0.132 ppbv m
RT: 4.994 min Scan# 11
Delta R.T. 0.022 min
Lab File: VL042269.D
Acq: 08 Apr 2025 18:00

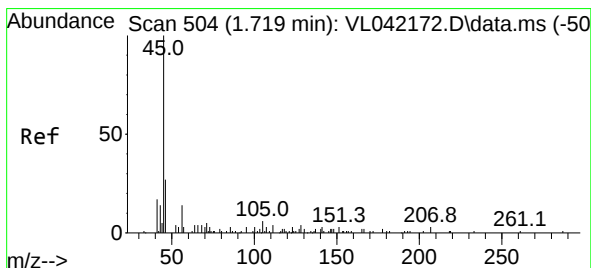
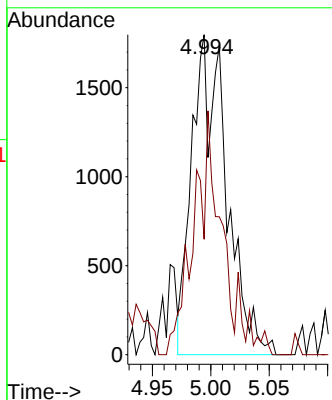
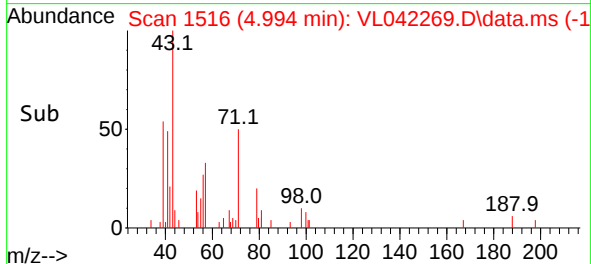
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-7-04022025



Tgt Ion: 43 Resp: 3690
Ion Ratio Lower Upper
43 100
57 63.1 39.4 59.2

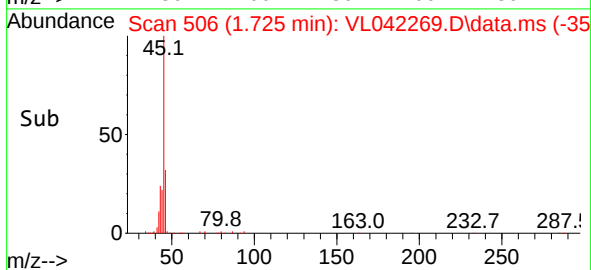
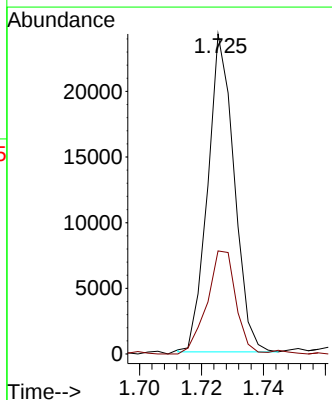
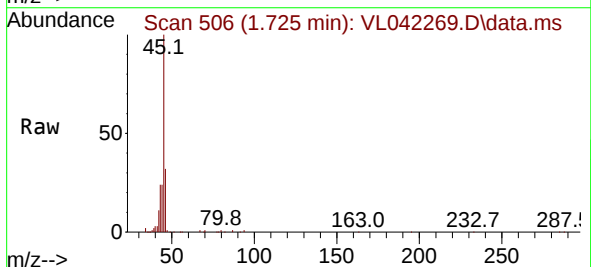
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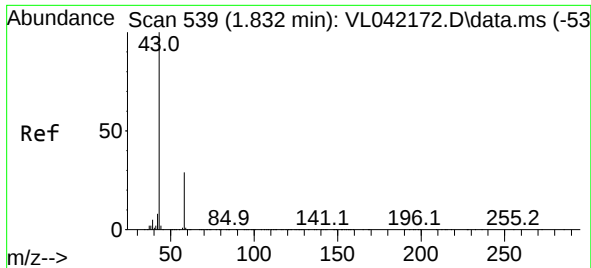
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#13
Ethanol
Concen: 14.411 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.006 min
Lab File: VL042269.D
Acq: 08 Apr 2025 18:00

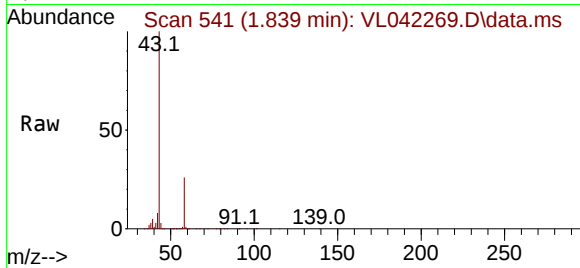
Tgt Ion: 45 Resp: 14353
Ion Ratio Lower Upper
45 100
46 36.7 20.2 80.8





#15
Acetone
Concen: 31.031 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL042269.D
Acq: 08 Apr 2025 18:00

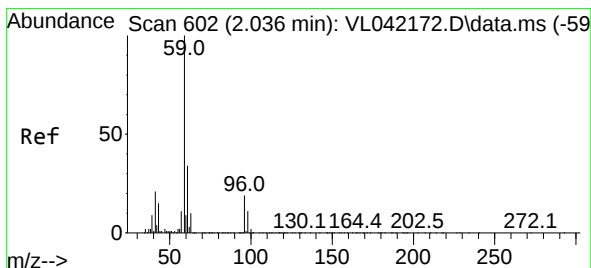
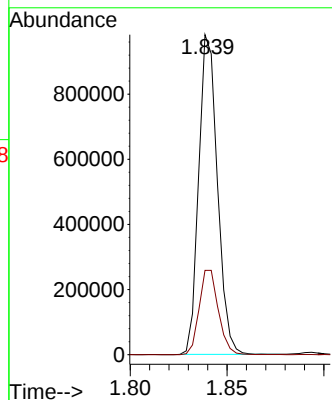
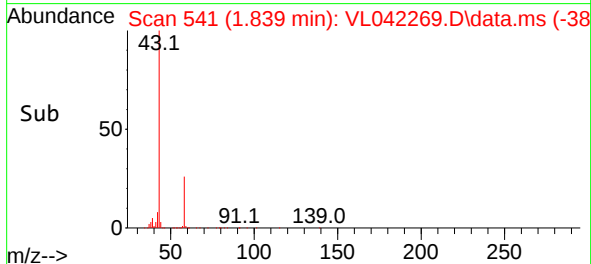
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-7-04022025



Tgt Ion: 43 Resp: 66138
Ion Ratio Lower Upper
43 100
58 27.3 23.2 34.8

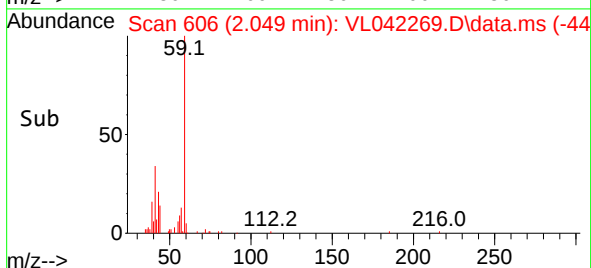
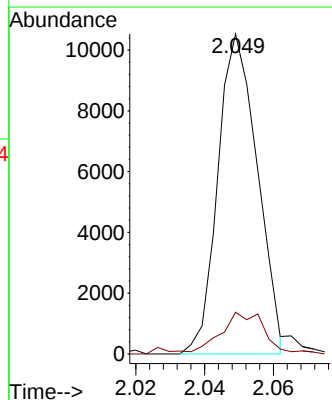
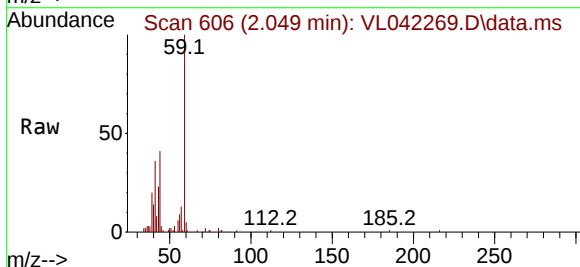
Manual Integrations
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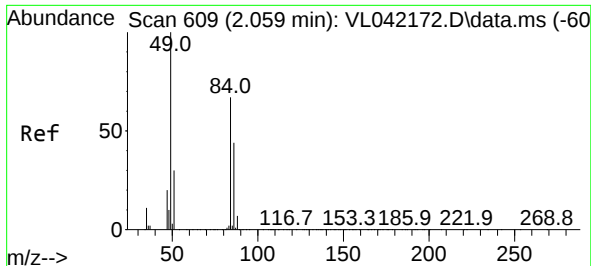
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#17
tert-Butyl alcohol
Concen: 0.316 ppbv
RT: 2.049 min Scan# 606
Delta R.T. 0.013 min
Lab File: VL042269.D
Acq: 08 Apr 2025 18:00

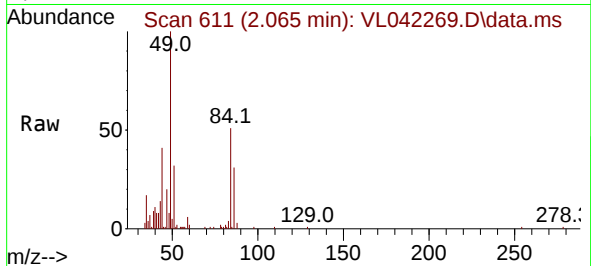
Tgt Ion: 59 Resp: 8394
Ion Ratio Lower Upper
59 100
57 15.9 8.9 13.3#





#20
Methylene Chloride
Concen: 0.466 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042269.D
Acq: 08 Apr 2025 18:00

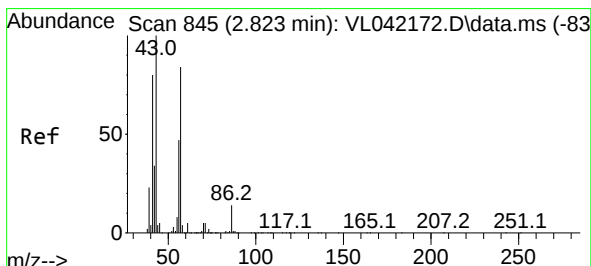
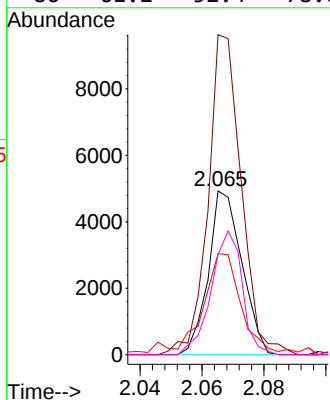
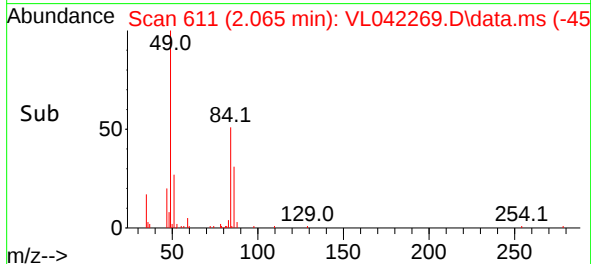
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-7-04022025



Tgt Ion: 84 Resp: 3700
Ion Ratio Lower Upper
84 100
49 188.8 120.2 180.4#
51 58.7 37.4 56.0#
86 61.2 52.4 78.6

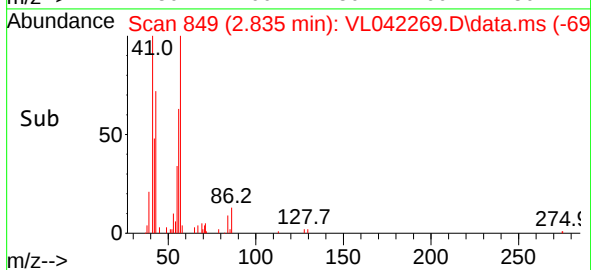
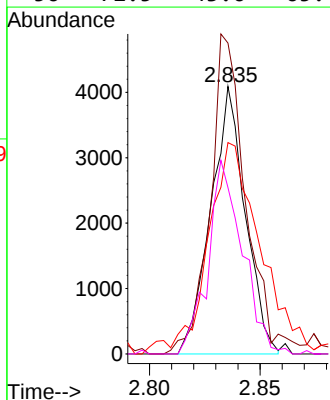
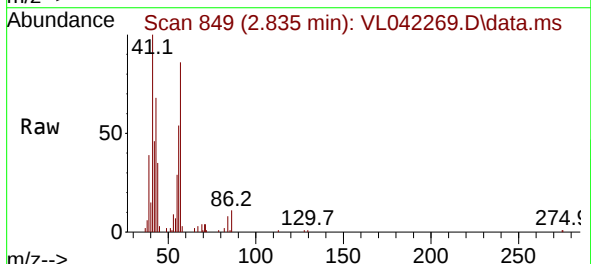
Manual Integrations
APPROVED

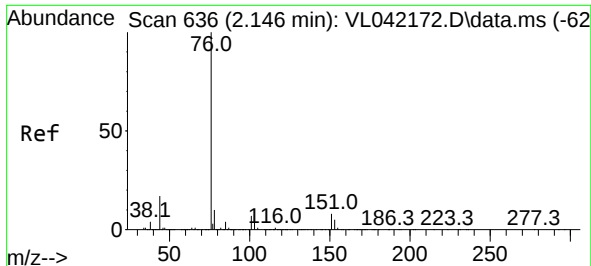
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#26
Hexane
Concen: 0.207 ppbv
RT: 2.835 min Scan# 849
Delta R.T. 0.013 min
Lab File: VL042269.D
Acq: 08 Apr 2025 18:00

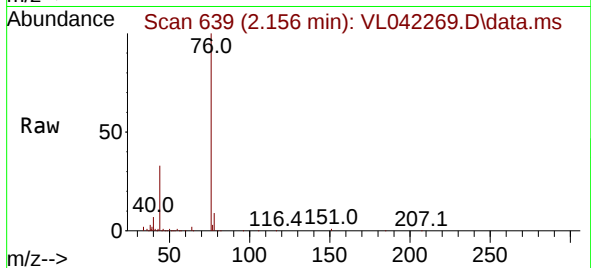
Tgt Ion: 57 Resp: 4431
Ion Ratio Lower Upper
57 100
41 126.2 76.6 114.8#
43 114.5 207.8 311.8#
56 72.5 43.6 65.4#





#27
Carbon Disulfide
Concen: 1.071 ppbv
RT: 2.156 min Scan# 61
Delta R.T. 0.009 min
Lab File: VL042269.D
Acq: 08 Apr 2025 18:00

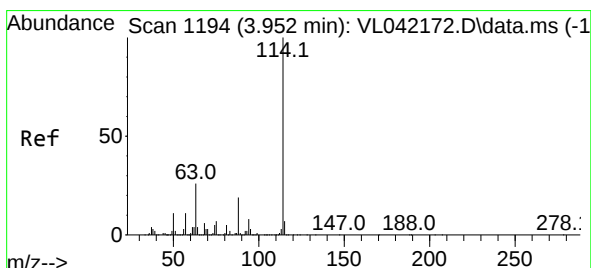
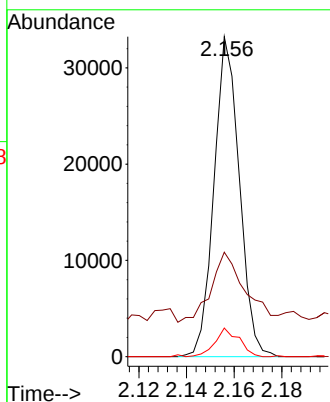
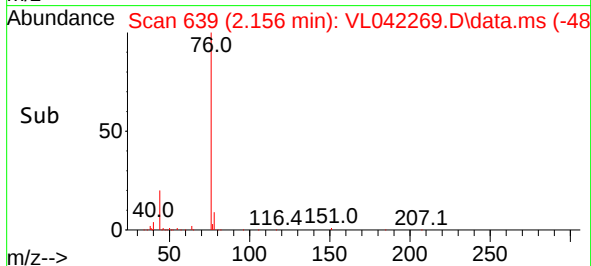
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-7-04022025



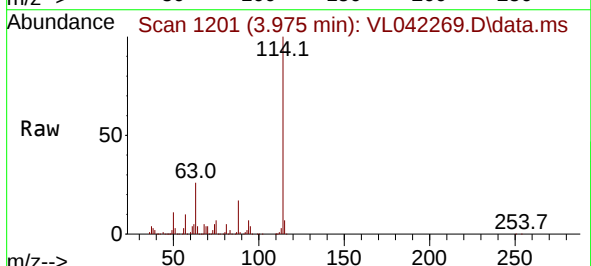
Tgt Ion: 76 Resp: 2453
Ion Ratio Lower Upper
76 100
44 53.6 14.7 22.1
78 8.7 9.3 13.9

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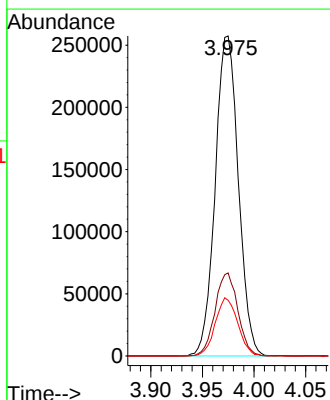
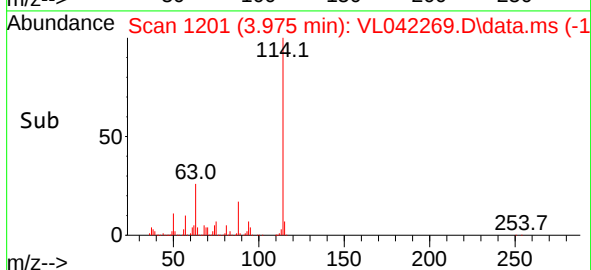
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025

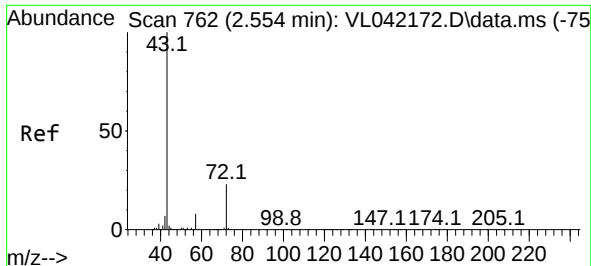


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. 0.022 min
Lab File: VL042269.D
Acq: 08 Apr 2025 18:00



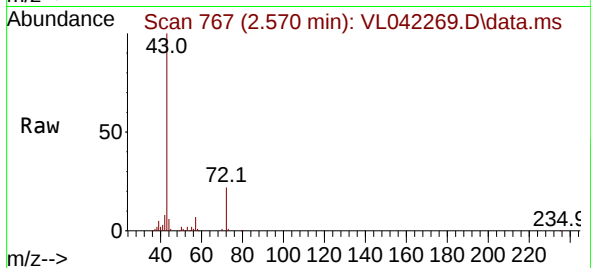
Tgt Ion:114 Resp: 401198
Ion Ratio Lower Upper
114 100
63 25.6 20.7 31.1
88 17.7 15.0 22.4





#34
2-Butanone
Concen: 1.504 ppbv
RT: 2.570 min Scan# 71
Delta R.T. 0.016 min
Lab File: VL042269.D
Acq: 08 Apr 2025 18:00

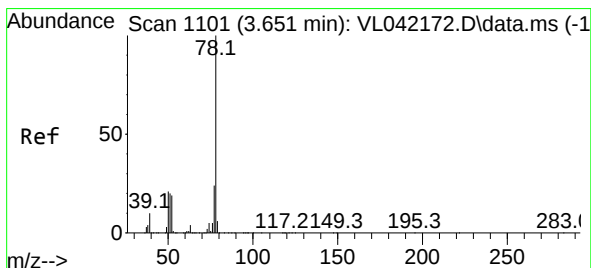
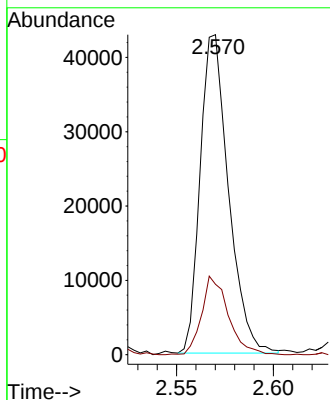
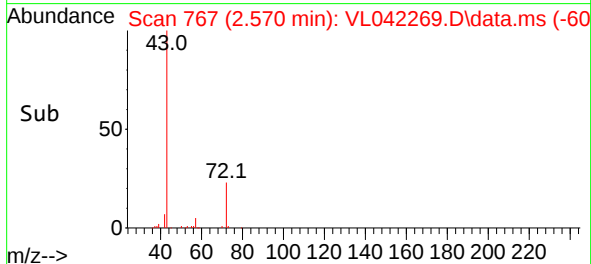
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-7-04022025



Tgt Ion: 43 Resp: 43752
Ion Ratio Lower Upper
43 100
72 23.2 18.2 27.2

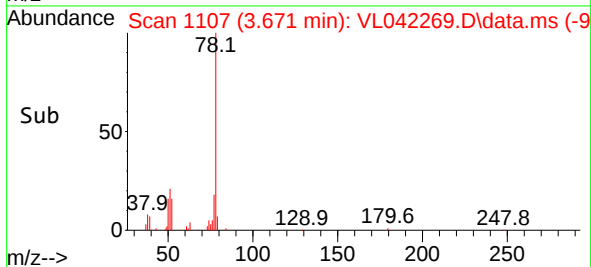
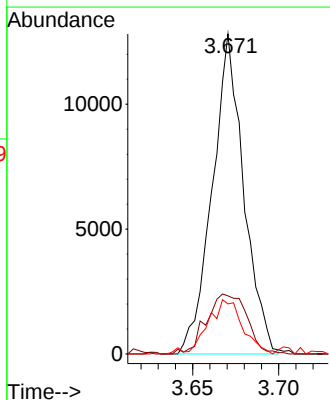
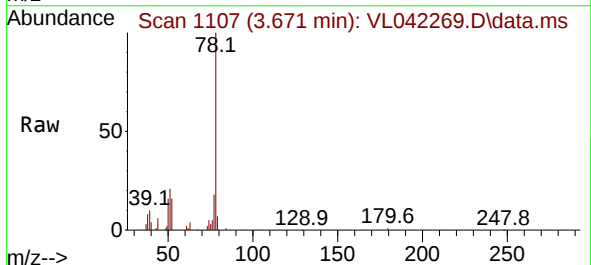
Manual Integrations
APPROVED

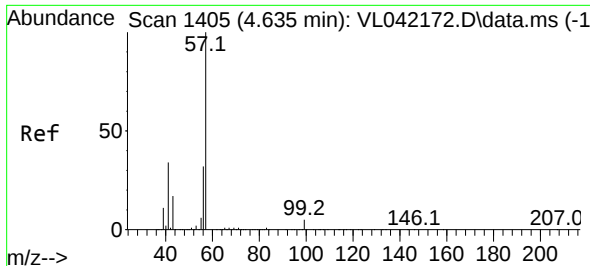
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#36
Benzene
Concen: 0.410 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. 0.019 min
Lab File: VL042269.D
Acq: 08 Apr 2025 18:00

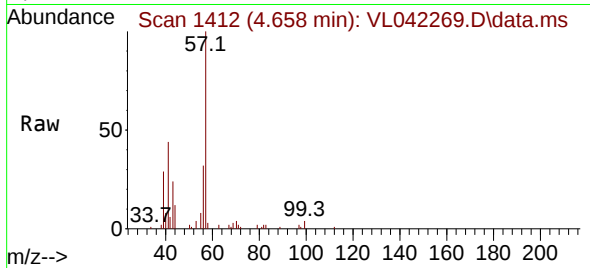
Tgt Ion: 78 Resp: 16307
Ion Ratio Lower Upper
78 100
77 17.8 19.1 28.7#
50 14.3 16.6 24.8#





#44
2,2,4-Trimethylpentane
Concen: 0.258 ppbv m
RT: 4.658 min Scan# 1405
Delta R.T. 0.022 min
Lab File: VL042269.D
Acq: 08 Apr 2025 18:00

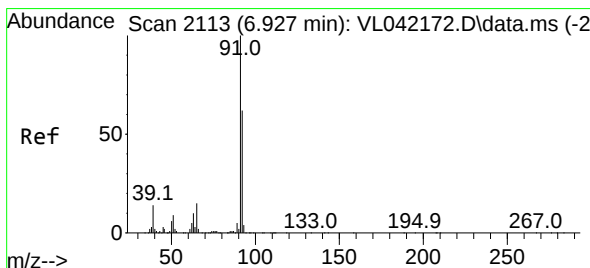
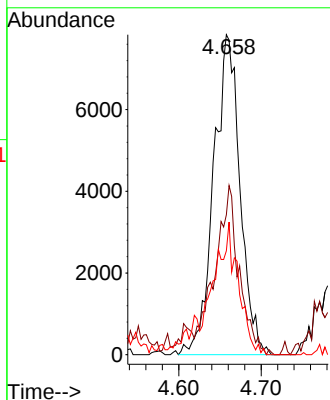
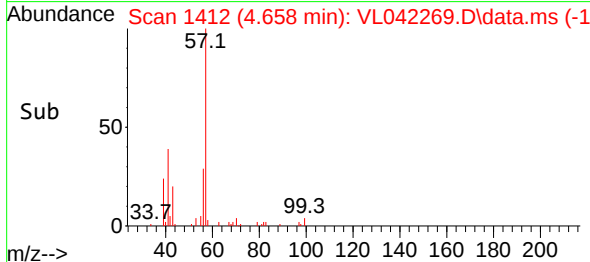
Instrument : MSVOA_L
ClientSampleId : SSSG-B2-7-04022025



Tgt Ion: 57 Resp: 1734
Ion Ratio Lower Upper
57 100
41 54.9 26.8 40.2
56 44.5 25.6 38.4

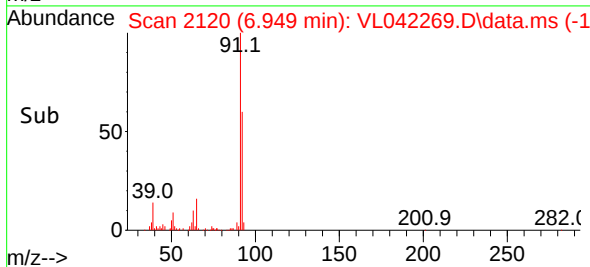
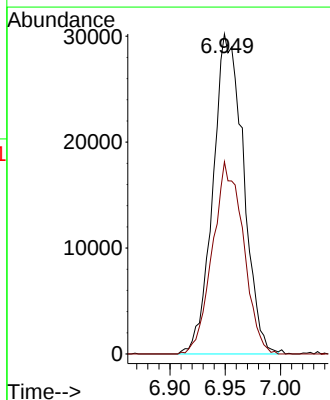
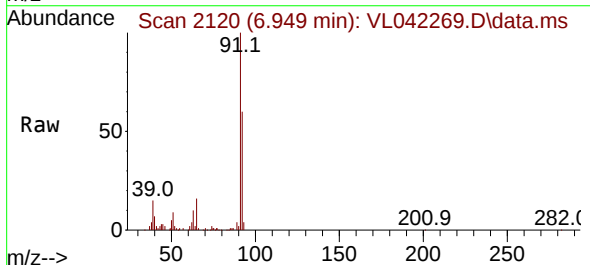
Manual Integrations
APPROVED

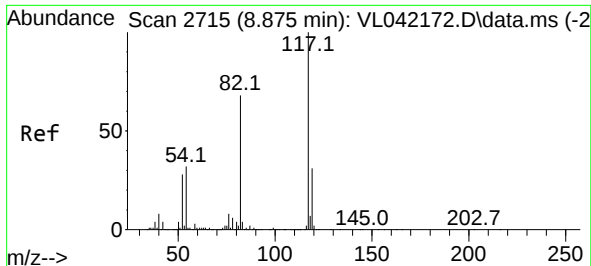
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#53
Toluene
Concen: 1.226 ppbv
RT: 6.949 min Scan# 2120
Delta R.T. 0.022 min
Lab File: VL042269.D
Acq: 08 Apr 2025 18:00

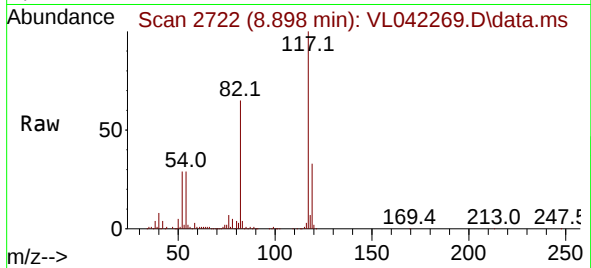
Tgt Ion: 91 Resp: 57797
Ion Ratio Lower Upper
91 100
92 60.7 48.4 72.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2117
Delta R.T. 0.022 min
Lab File: VL042269.D
Acq: 08 Apr 2025 18:00

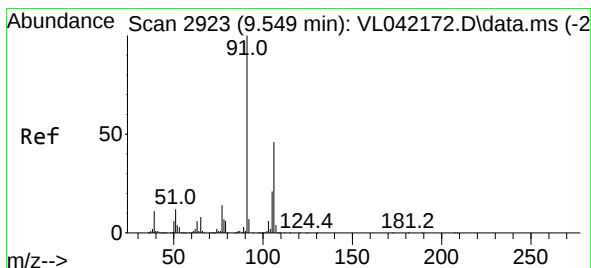
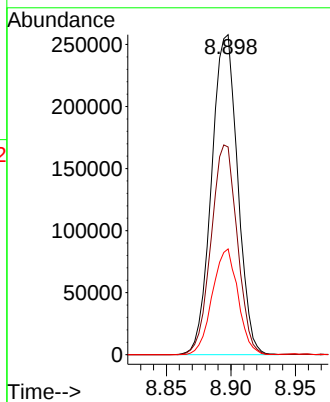
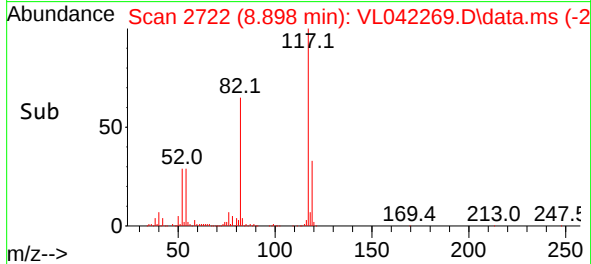
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-7-04022025



Tgt Ion: 117 Resp: 36248
Ion Ratio Lower Upper
117 100
82 65.7 55.8 83.6
119 32.5 25.5 38.3

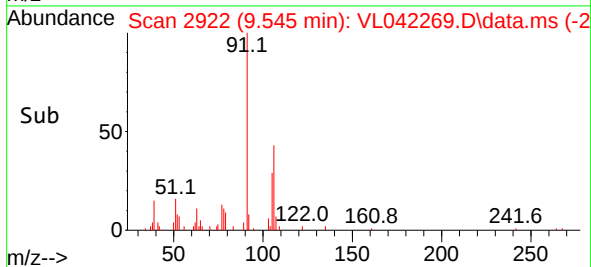
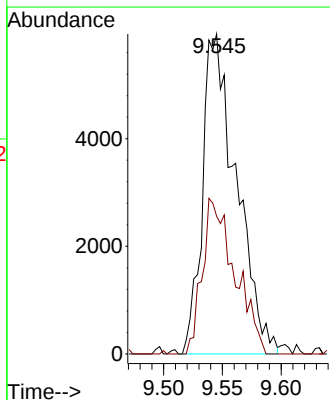
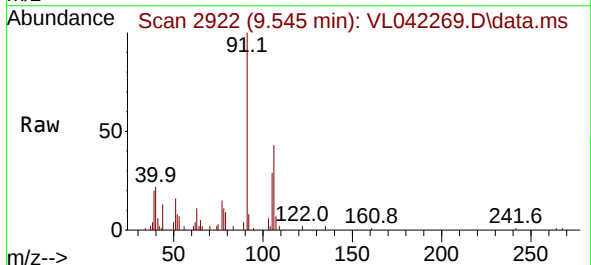
Manual Integrations
APPROVED

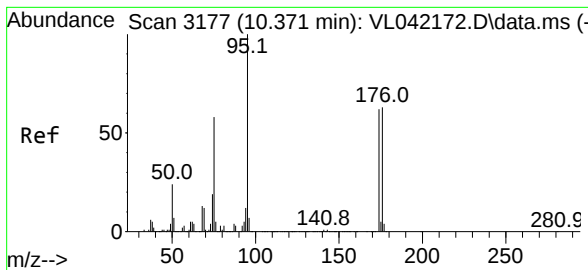
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#59
m/p-Xylene
Concen: 0.232 ppbv m
RT: 9.545 min Scan# 2922
Delta R.T. -0.003 min
Lab File: VL042269.D
Acq: 08 Apr 2025 18:00

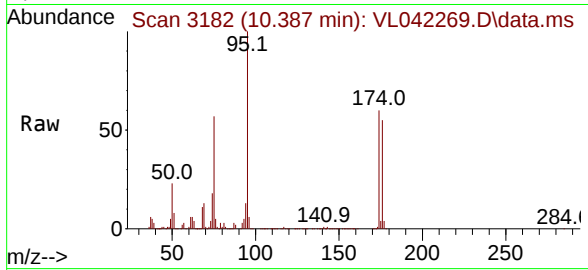
Tgt Ion: 91 Resp: 11913
Ion Ratio Lower Upper
91 100
106 0.0 36.4 54.6#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.440 ppbv
 RT: 10.387 min Scan# 31
 Delta R.T. 0.016 min
 Lab File: VL042269.D
 Acq: 08 Apr 2025 18:00

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B2-7-04022025



Tgt Ion: 95 Resp: 281014
 Ion Ratio Lower Upper
 95 100
 174 60.3 50.6 76.0
 175 4.6 3.8 5.6

Manual Integrations
 APPROVED

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

