

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042736.D
 Acq On : 22 Jul 2025 18:17
 Operator : SY/MD
 Sample : Q2617-02 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

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

Quant Time: Jul 23 03:04:09 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri 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	2.807	49	114461	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.978	114	333140	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.888	117	294031	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	242042	10.185	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.900%
Target Compounds						
					Qvalue	
9) Propene	1.480	41	52721m	7.353	ppbv	
10) Heptane	4.998	43	2932m	0.147	ppbv	
13) Ethanol	1.722	45	7289	6.043	ppbv #	35
15) Acetone	1.839	43	113524m	5.924	ppbv	
20) Methylene Chloride	2.082	84	5499m	0.913	ppbv	
22) trans-1,2-Dichloroethene	2.357	96	4476	0.638	ppbv	97
24) 1,1-Dichloroethane	2.431	63	9137m	0.651	ppbv	
26) Hexane	2.845	57	7986	0.515	ppbv #	69
34) 2-Butanone	2.574	43	10150	0.442	ppbv	99
38) Trichloroethene	4.561	130	481m	0.032	ppbv	
44) 2,2,4-Trimethylpentane	4.661	57	5962m	0.117	ppbv	
52) Tetrachloroethene	8.241	164	614m	0.049	ppbv	
53) Toluene	6.943	91	13295m	0.381	ppbv	
59) m/p-Xylene	9.542	91	17253m	0.439	ppbv	
60) o-Xylene	9.973	91	6155	0.155	ppbv	95

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

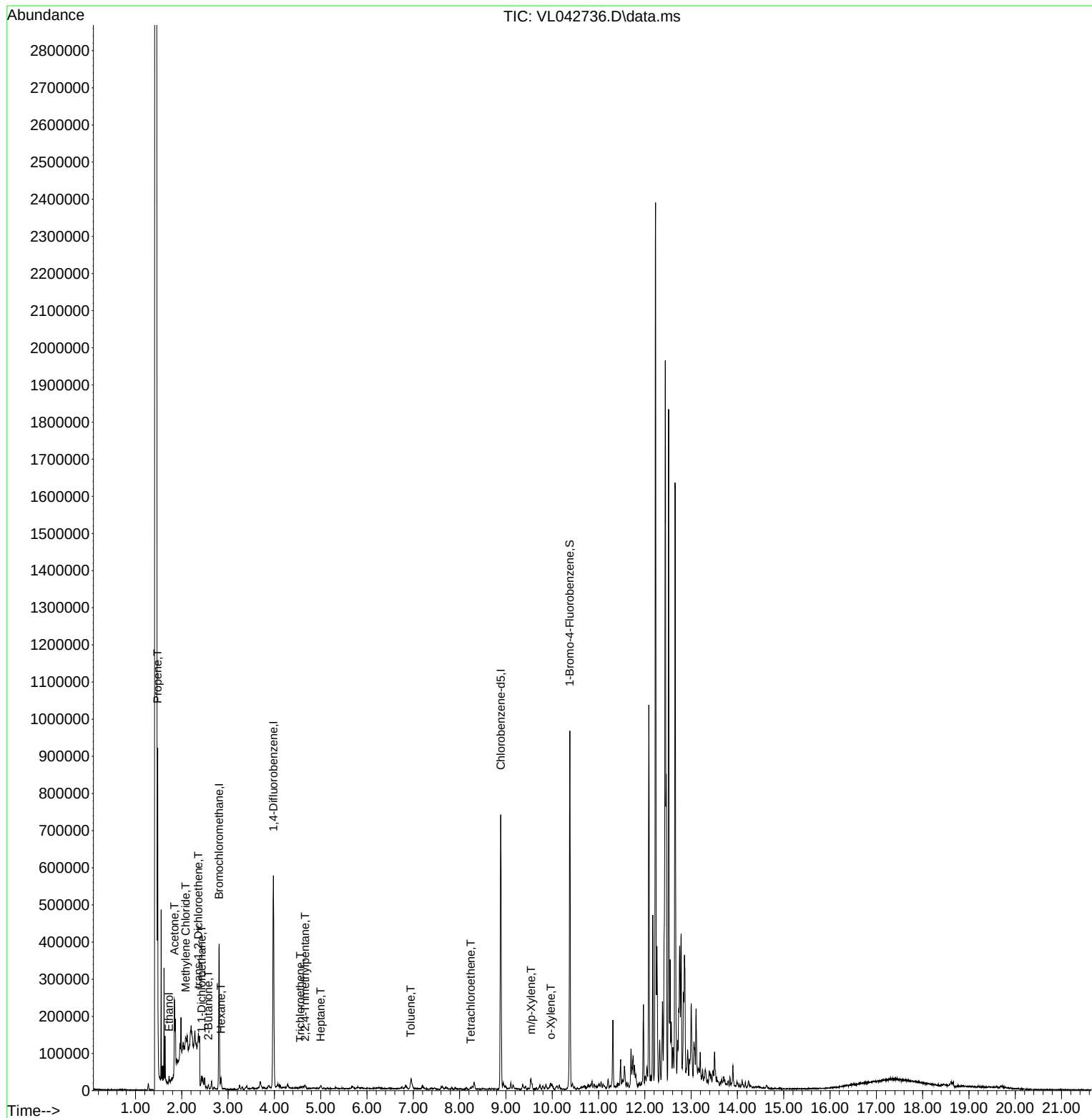
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
Data File : VL042736.D
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

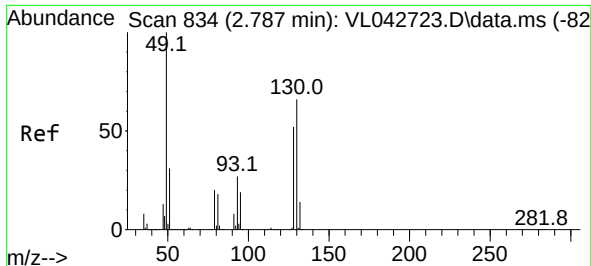
Instrument :
MSVOA_L
ClientSampleId :
SV2

Quant Time: Jul 23 03:04:09 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

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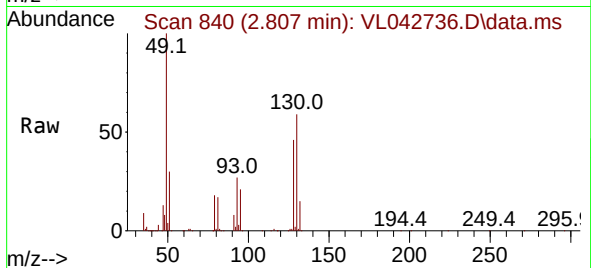
Reviewed By : Semsettin Yesilyurt 07/23/2025
Supervised By : Mahesh Dadoda 07/23/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.807 min Scan# 84
Delta R.T. 0.020 min
Lab File: VL042736.D
Acq: 22 Jul 2025 18:17

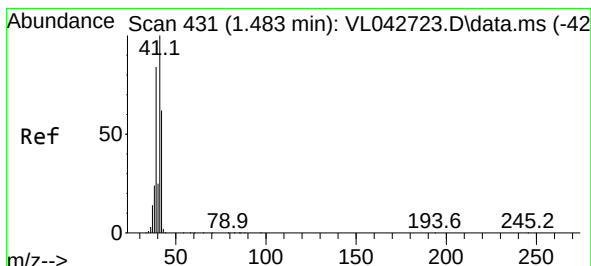
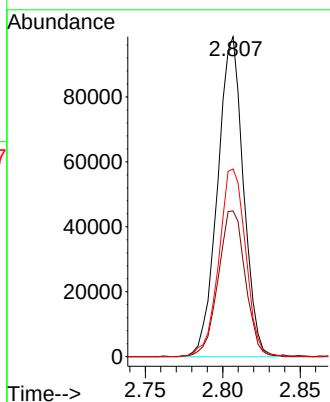
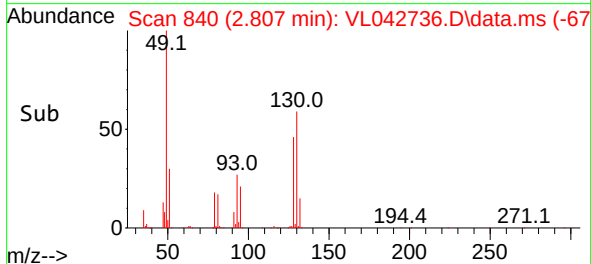
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 49 Resp: 11446
Ion Ratio Lower Upper
49 100
128 47.7 24.5 73.5
130 61.0 31.7 95.1

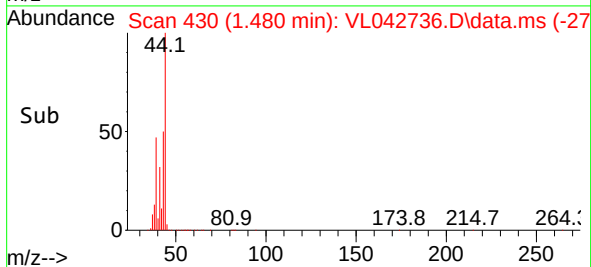
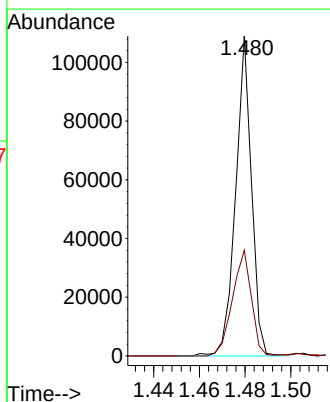
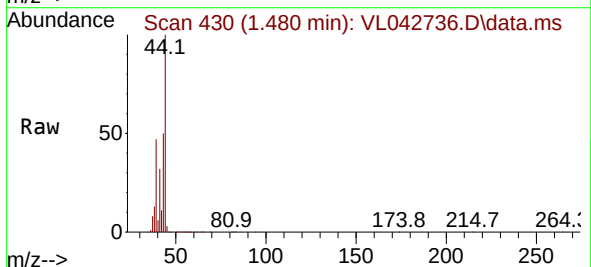
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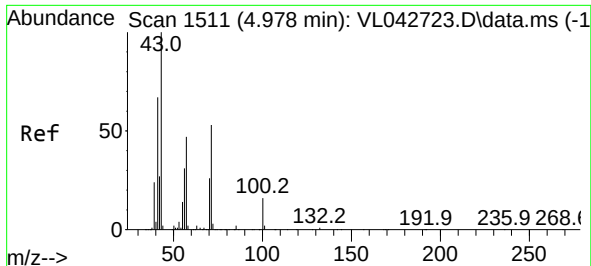
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Supervised By :Mahesh Dadoda 07/23/2025



#9
Propene
Concen: 7.353 ppbv m
RT: 1.480 min Scan# 430
Delta R.T. -0.003 min
Lab File: VL042736.D
Acq: 22 Jul 2025 18:17

Tgt Ion: 41 Resp: 52721
Ion Ratio Lower Upper
41 100
42 70.7 52.0 78.0





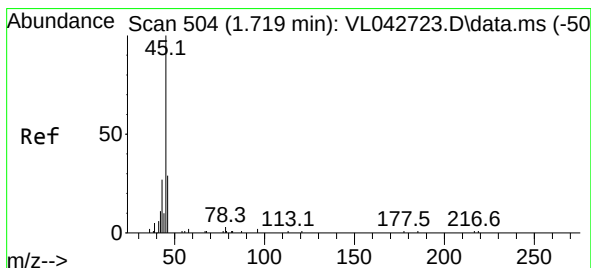
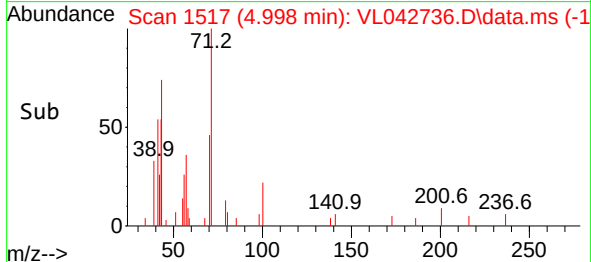
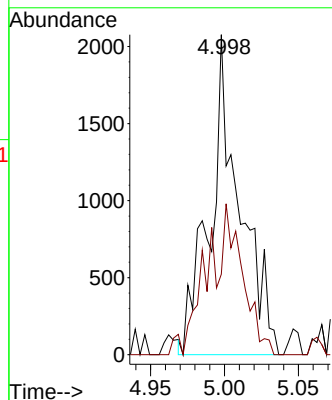
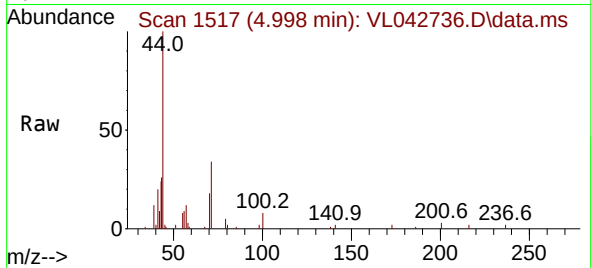
#10
Heptane
Concen: 0.147 ppbv m
RT: 4.998 min Scan# 11
Delta R.T. 0.020 min
Lab File: VL042736.D
Acq: 22 Jul 2025 18:17

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 43 Resp: 2932
Ion Ratio Lower Upper
43 100
57 0.0 39.1 58.7

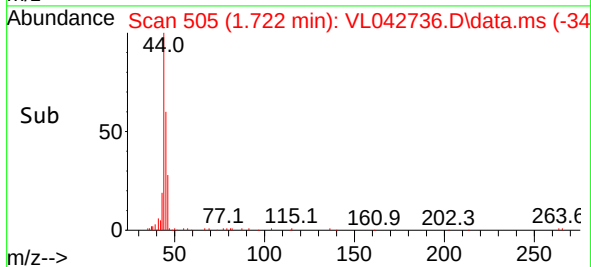
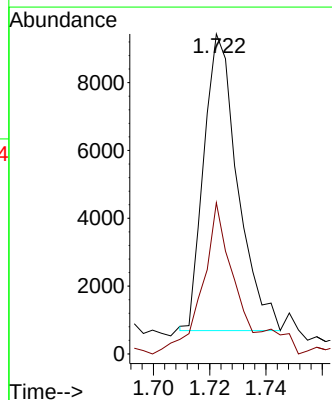
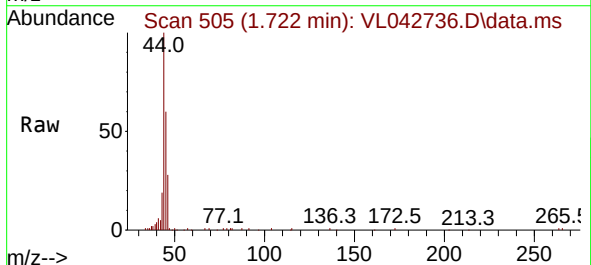
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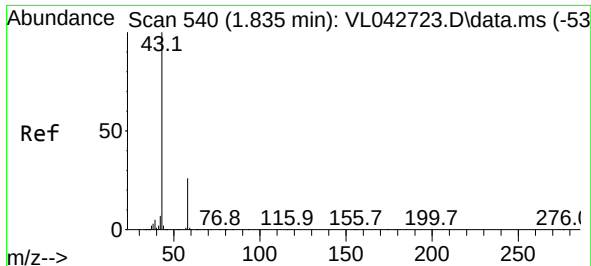
Reviewed By :Semsettin Yesilyurt 07/23/2025
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#13
Ethanol
Concen: 6.043 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.004 min
Lab File: VL042736.D
Acq: 22 Jul 2025 18:17

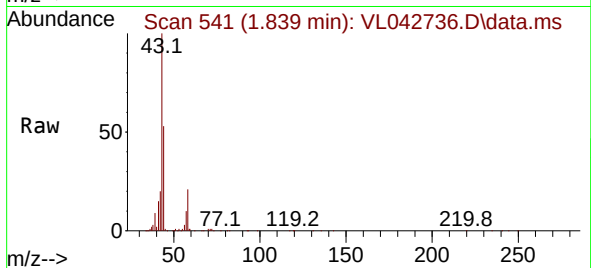
Tgt Ion: 45 Resp: 7289
Ion Ratio Lower Upper
45 100
46 0.0 16.3 65.1#





#15
Acetone
Concen: 5.924 ppbv m
RT: 1.839 min Scan# 540
Delta R.T. 0.004 min
Lab File: VL042736.D
Acq: 22 Jul 2025 18:17

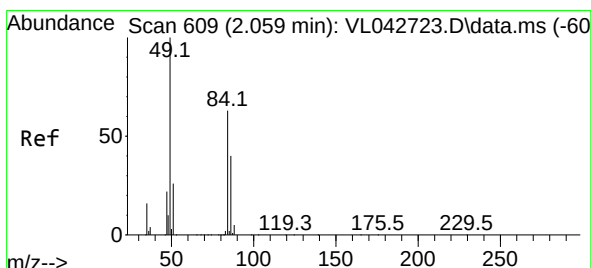
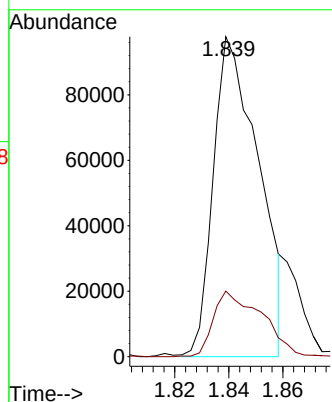
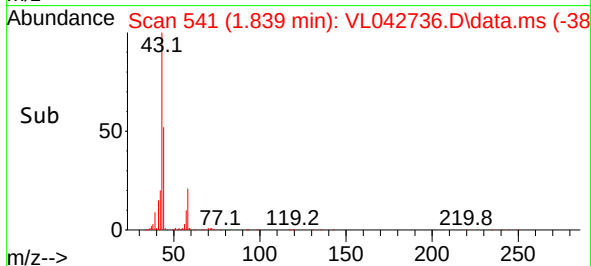
Instrument :
MSVOA_L
ClientSampleId :
SV2



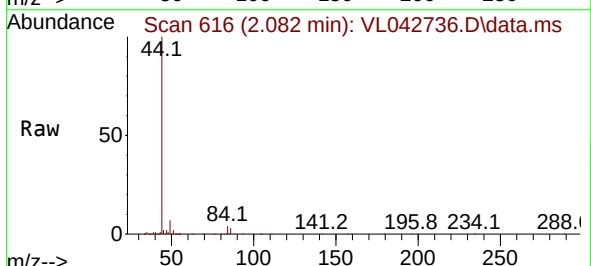
Tgt Ion: 43 Resp: 113524
Ion Ratio Lower Upper
43 100
58 22.4 20.5 30.7

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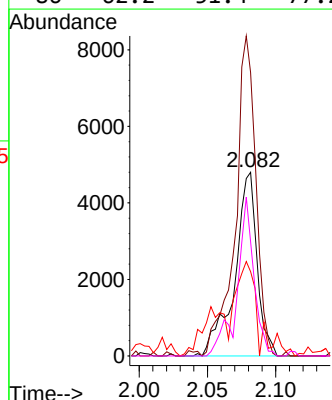
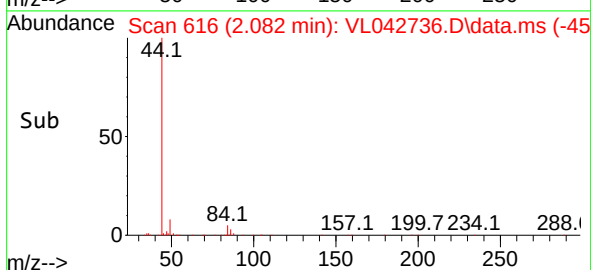
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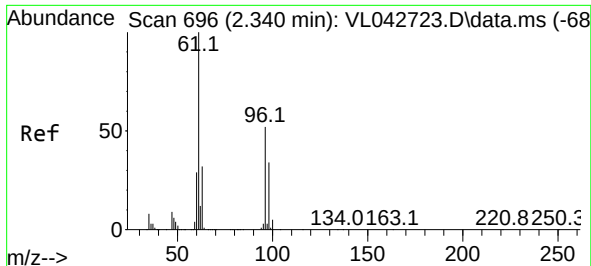


#20
Methylene Chloride
Concen: 0.913 ppbv m
RT: 2.082 min Scan# 616
Delta R.T. 0.023 min
Lab File: VL042736.D
Acq: 22 Jul 2025 18:17



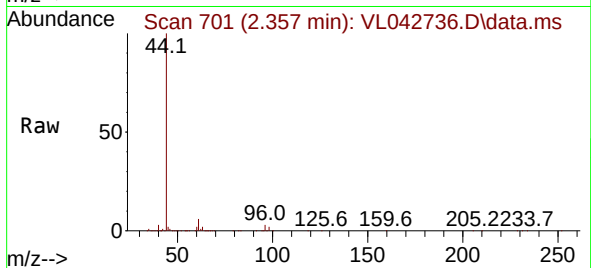
Tgt Ion: 84 Resp: 5499
Ion Ratio Lower Upper
84 100
49 154.3 128.2 192.4
51 45.9 34.5 51.7
86 62.2 51.4 77.2





#22
trans-1,2-Dichloroethene
Concen: 0.638 ppbv
RT: 2.357 min Scan# 701
Delta R.T. 0.016 min
Lab File: VL042736.D
Acq: 22 Jul 2025 18:17

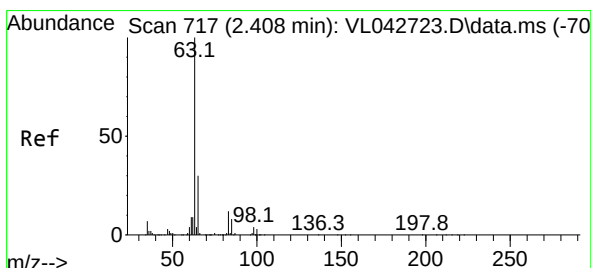
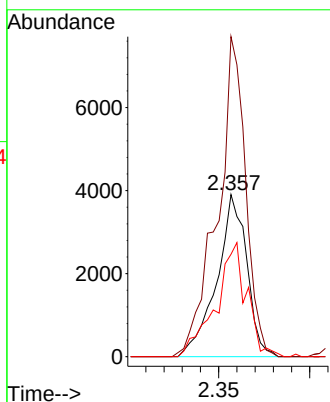
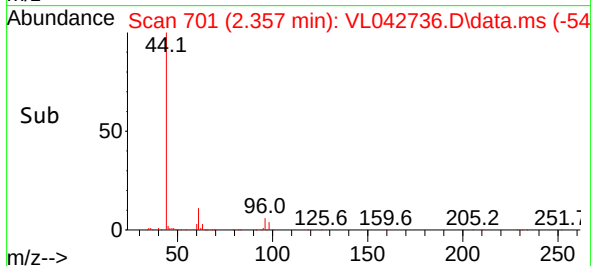
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 96 Resp: 4470
Ion Ratio Lower Upper
96 100
61 197.3 154.6 232.0
98 63.1 53.1 79.7

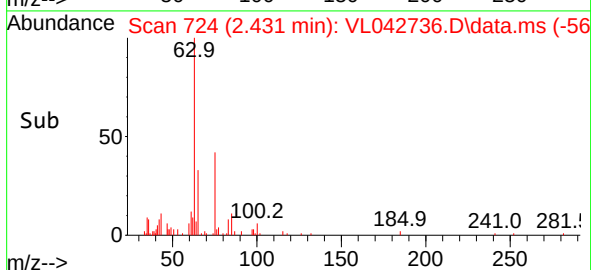
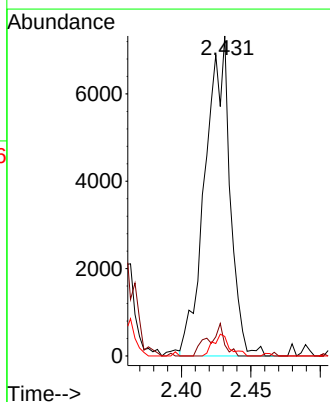
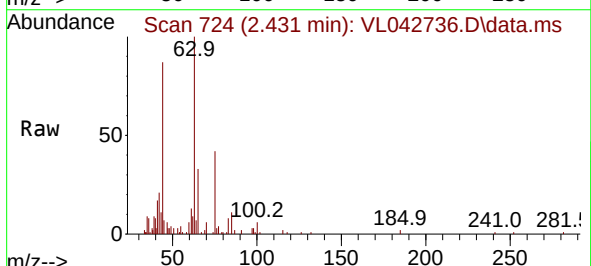
Manual Integrations
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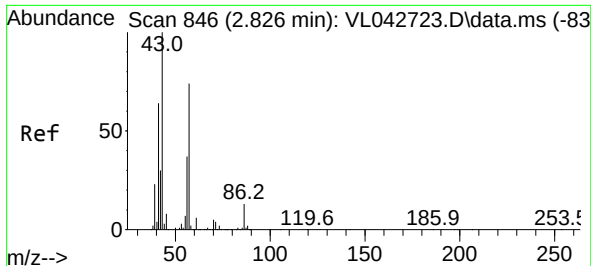
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Supervised By :Mahesh Dadoda 07/23/2025



#24
1,1-Dichloroethane
Concen: 0.651 ppbv m
RT: 2.431 min Scan# 724
Delta R.T. 0.023 min
Lab File: VL042736.D
Acq: 22 Jul 2025 18:17

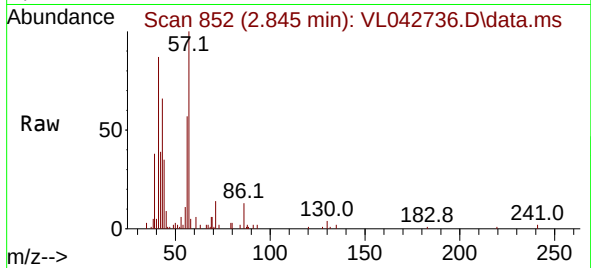
Tgt Ion: 63 Resp: 9137
Ion Ratio Lower Upper
63 100
98 3.5 2.0 5.8
100 6.1 1.6 4.7#





#26
Hexane
Concen: 0.515 ppbv
RT: 2.845 min Scan# 81
Delta R.T. 0.020 min
Lab File: VL042736.D
Acq: 22 Jul 2025 18:17

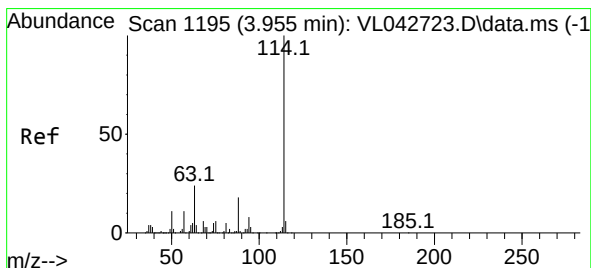
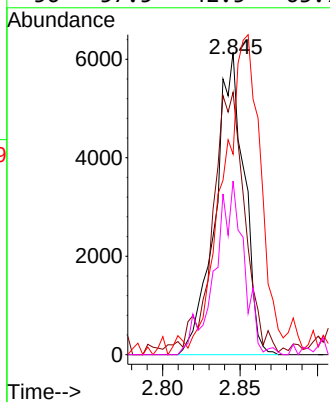
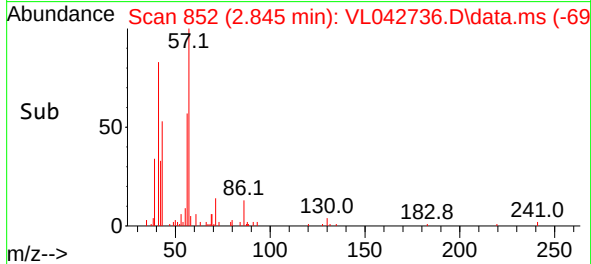
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 57 Resp: 7980
Ion Ratio Lower Upper
57 100
41 100.5 77.3 115.9
43 149.7 182.3 273.5
56 57.5 42.5 63.7

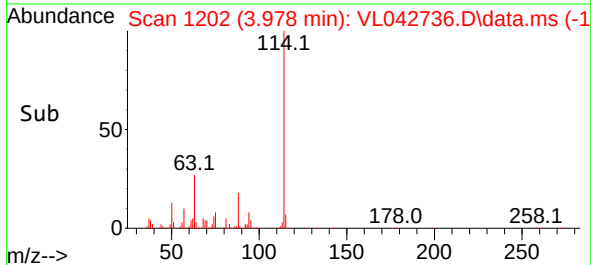
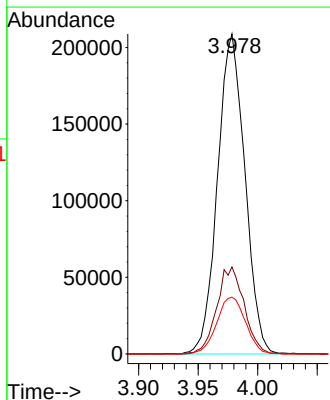
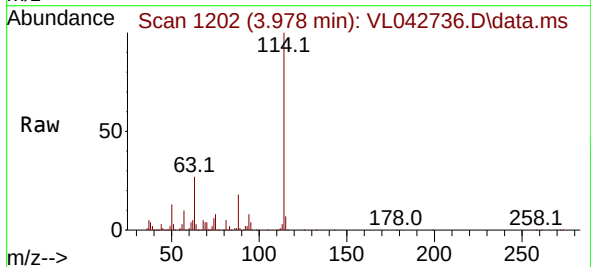
Manual Integrations
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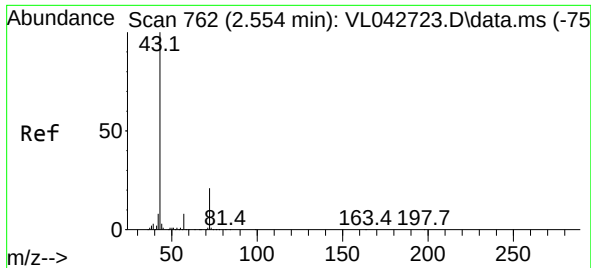
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Supervised By :Mahesh Dadoda 07/23/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1202
Delta R.T. 0.023 min
Lab File: VL042736.D
Acq: 22 Jul 2025 18:17

Tgt Ion:114 Resp: 333140
Ion Ratio Lower Upper
114 100
63 27.3 20.4 30.6
88 18.7 14.5 21.7





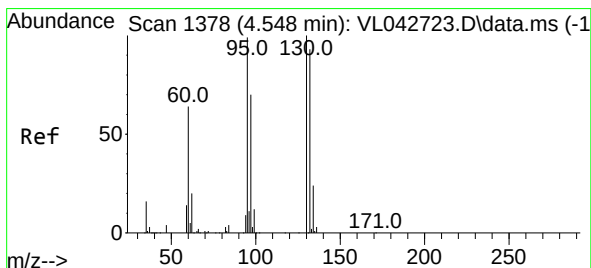
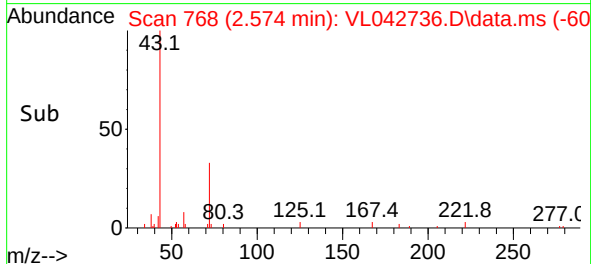
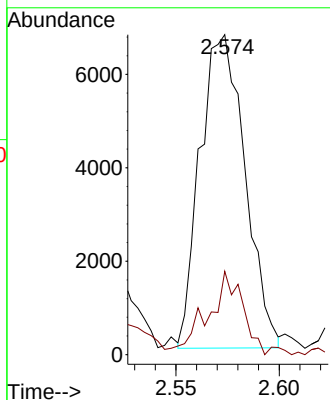
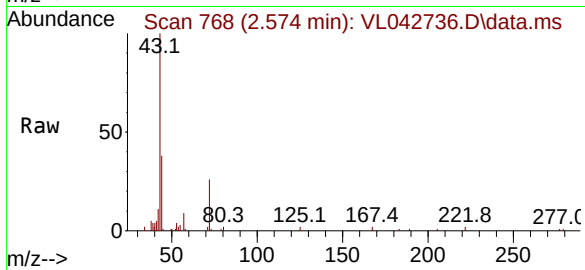
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2-Butanone
Concen: 0.442 ppbv
RT: 2.574 min Scan# 762
Delta R.T. 0.020 min
Lab File: VL042736.D
Acq: 22 Jul 2025 18:17

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 43 Resp: 10150
Ion Ratio Lower Upper
43 100
72 21.6 17.0 25.6

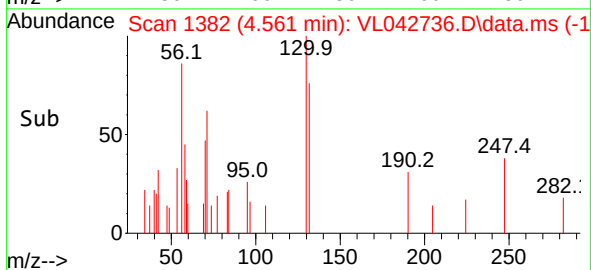
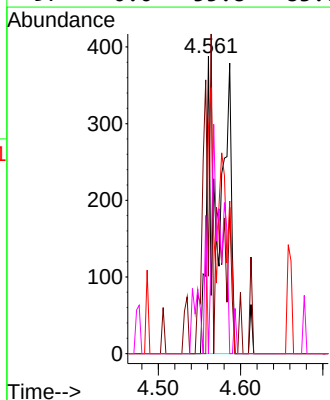
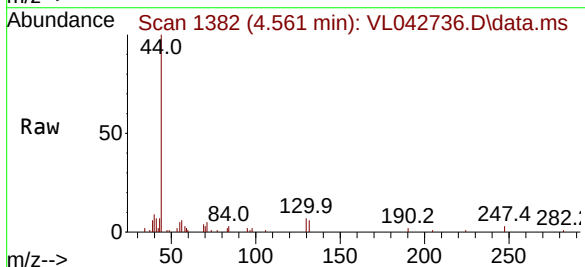
Manual Integrations
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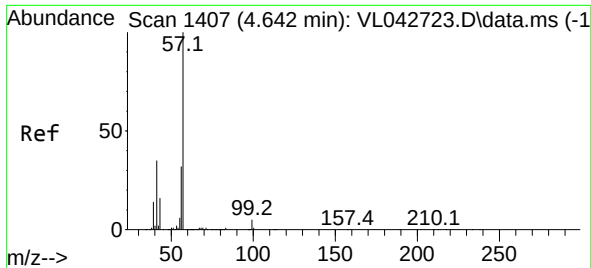
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#38
Trichloroethene
Concen: 0.032 ppbv m
RT: 4.561 min Scan# 1382
Delta R.T. 0.013 min
Lab File: VL042736.D
Acq: 22 Jul 2025 18:17

Tgt Ion:130 Resp: 481
Ion Ratio Lower Upper
130 100
95 26.0 79.2 118.8#
132 75.8 74.1 111.1
97 0.0 55.8 83.6#





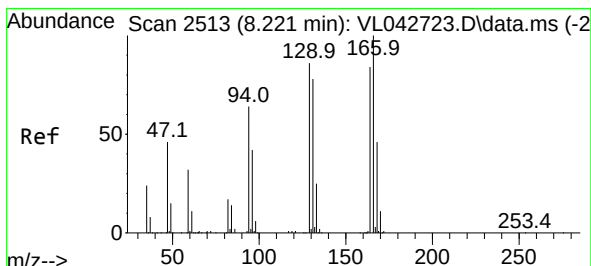
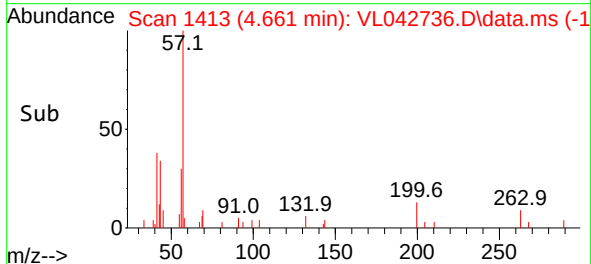
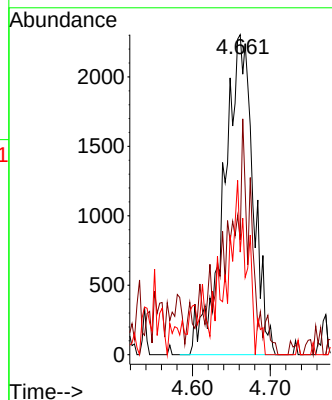
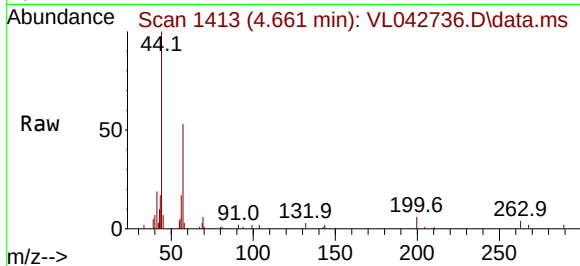
#44
2,2,4-Trimethylpentane
Concen: 0.117 ppbv m
RT: 4.661 min Scan# 1407
Delta R.T. 0.020 min
Lab File: VL042736.D
Acq: 22 Jul 2025 18:17

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 57 Resp: 5962
Ion Ratio Lower Upper
57 100
41 61.0 29.4 44.0#
56 0.0 26.1 39.1#

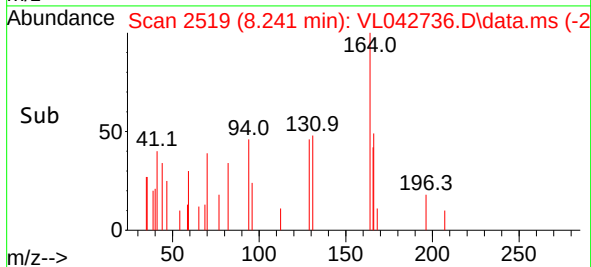
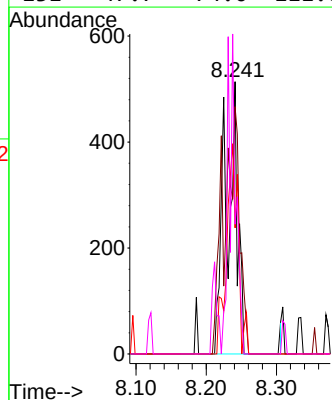
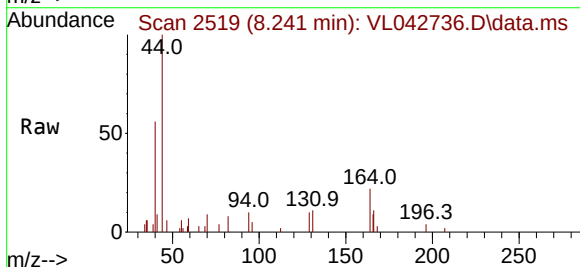
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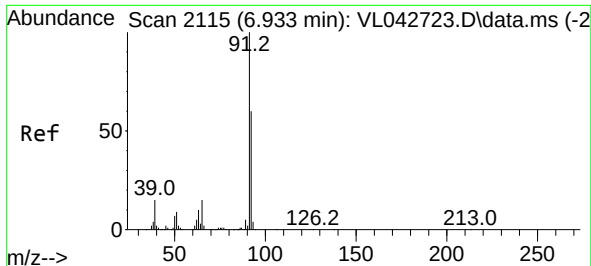
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#52
Tetrachloroethene
Concen: 0.049 ppbv m
RT: 8.241 min Scan# 2519
Delta R.T. 0.020 min
Lab File: VL042736.D
Acq: 22 Jul 2025 18:17

Tgt Ion:164 Resp: 614
Ion Ratio Lower Upper
164 100
166 49.2 95.1 142.7#
129 46.3 81.9 122.9#
131 47.7 74.0 111.0#





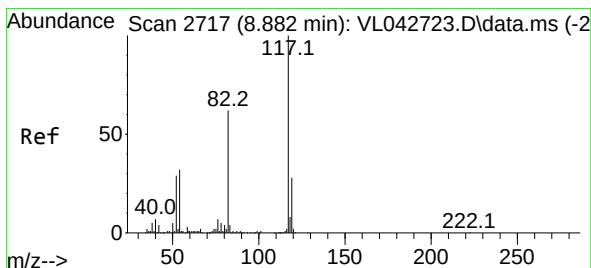
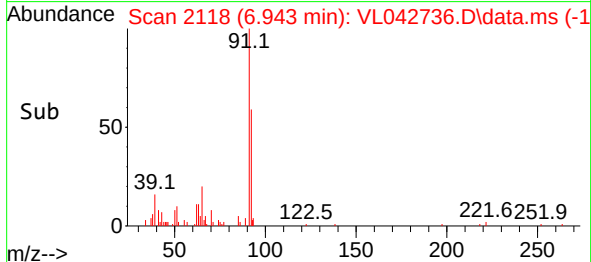
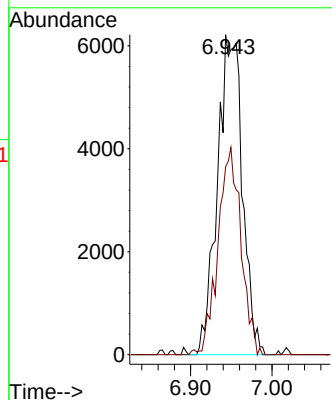
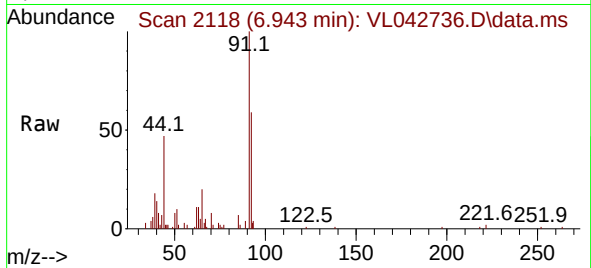
#53
Toluene
Concen: 0.381 ppbv m
RT: 6.943 min Scan# 2115
Delta R.T. 0.010 min
Lab File: VL042736.D
Acq: 22 Jul 2025 18:17

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 91 Resp: 1329
Ion Ratio Lower Upper
91 100
92 59.4 48.2 72.4

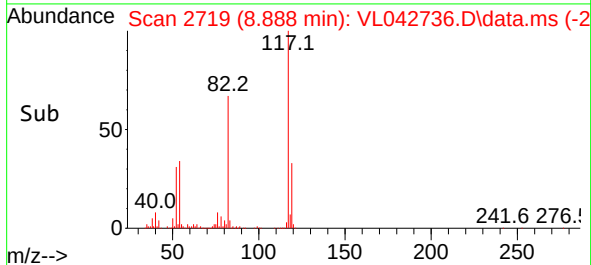
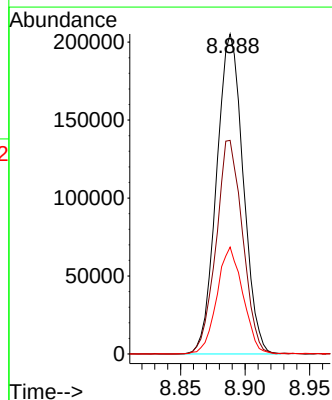
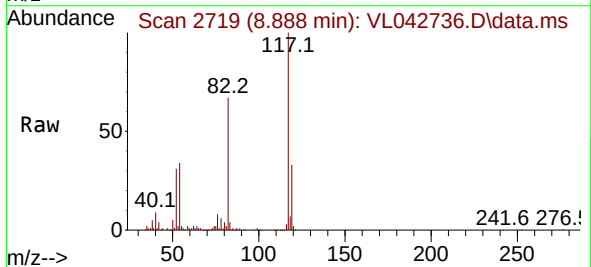
Manual Integrations
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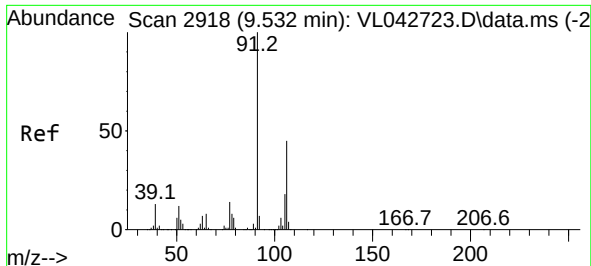
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.007 min
Lab File: VL042736.D
Acq: 22 Jul 2025 18:17

Tgt Ion:117 Resp: 294031
Ion Ratio Lower Upper
117 100
82 66.5 54.6 81.8
119 32.9 25.3 37.9





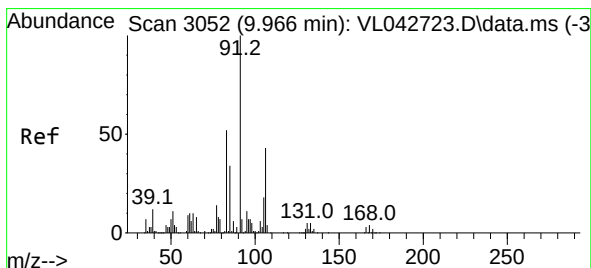
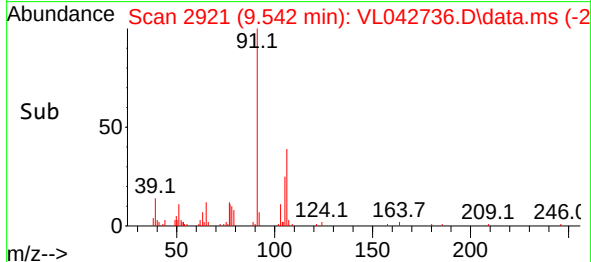
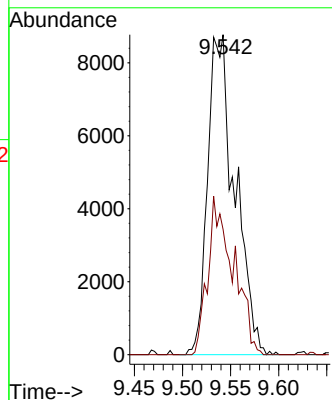
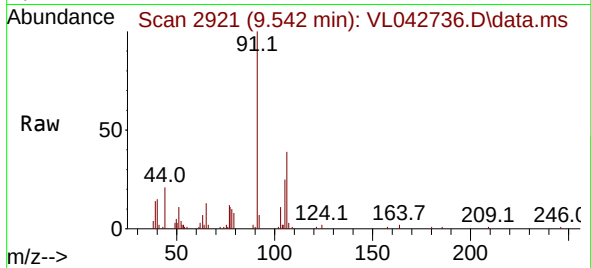
#59
m/p-Xylene
Concen: 0.439 ppbv m
RT: 9.542 min Scan# 2918
Delta R.T. 0.010 min
Lab File: VL042736.D
Acq: 22 Jul 2025 18:17

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 91 Resp: 1725
Ion Ratio Lower Upper
91 100
106 0.0 37.3 55.9

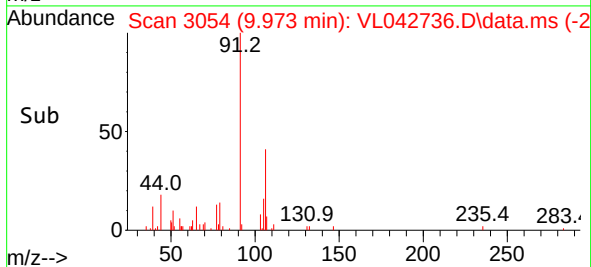
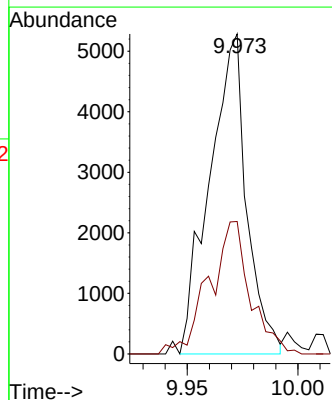
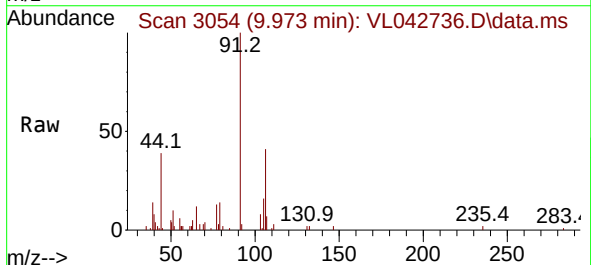
Manual Integrations
APPROVED

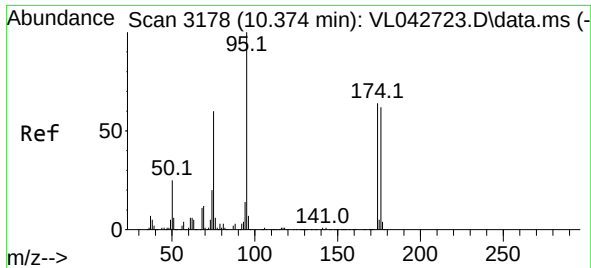
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#60
o-Xylene
Concen: 0.155 ppbv
RT: 9.973 min Scan# 3054
Delta R.T. 0.007 min
Lab File: VL042736.D
Acq: 22 Jul 2025 18:17

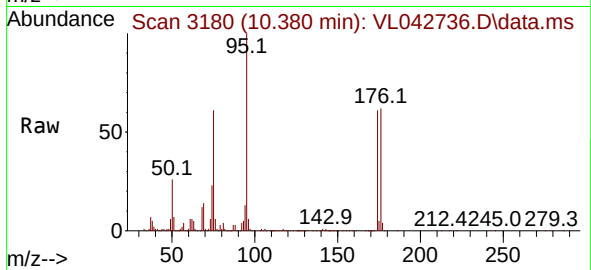
Tgt Ion: 91 Resp: 6155
Ion Ratio Lower Upper
91 100
106 46.0 21.4 64.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.185 ppbv
 RT: 10.380 min Scan# 31
 Delta R.T. 0.007 min
 Lab File: VL042736.D
 Acq: 22 Jul 2025 18:17

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2



Tgt Ion: 95 Resp: 24204
 Ion Ratio Lower Upper
 95 100
 174 63.6 51.4 77.2
 175 4.8 4.2 6.4

Manual Integrations
 APPROVED

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

