

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090723\
 Data File : VL040672.D
 Acq On : 7 Sep 2023 15:01
 Operator : SY/MD
 Sample : 04323-02DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/11/2023
 Supervised By : Mahesh Dadoda 09/11/2023

Quant Time: Sep 07 15:31:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Aug 16 05:43:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	973079	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2522349	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2236772	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1770273	9.951	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	17315	0.083	ppbv #	80
3) Chlorodifluoromethane	2.661	51	11434m	0.072	ppbv	
4) Chloromethane	2.809	50	8029m	0.129	ppbv	
9) Propene	2.690	41	17625	0.356	ppbv	85
11) Trichlorofluoromethane	3.552	101	11605	0.069	ppbv #	80
13) Ethanol	3.243	45	17835m	1.291	ppbv	
15) Acetone	3.465	43	971612	8.163	ppbv	98
17) tert-Butyl alcohol	3.890	59	17182m	0.136	ppbv	
20) Methylene Chloride	3.928	84	495783	8.524	ppbv	98
25) Ethyl Acetate	5.214	43	195220	0.873	ppbv #	89
26) Hexane	5.214	57	188779	1.745	ppbv #	53
34) 2-Butanone	4.796	43	23115	0.182	ppbv	92
52) Tetrachloroethene	10.626	164	336851	5.360	ppbv	95
53) Toluene	9.233	91	42033m	0.197	ppbv	
59) m/p-Xylene	12.352	91	18876m	0.077	ppbv	

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

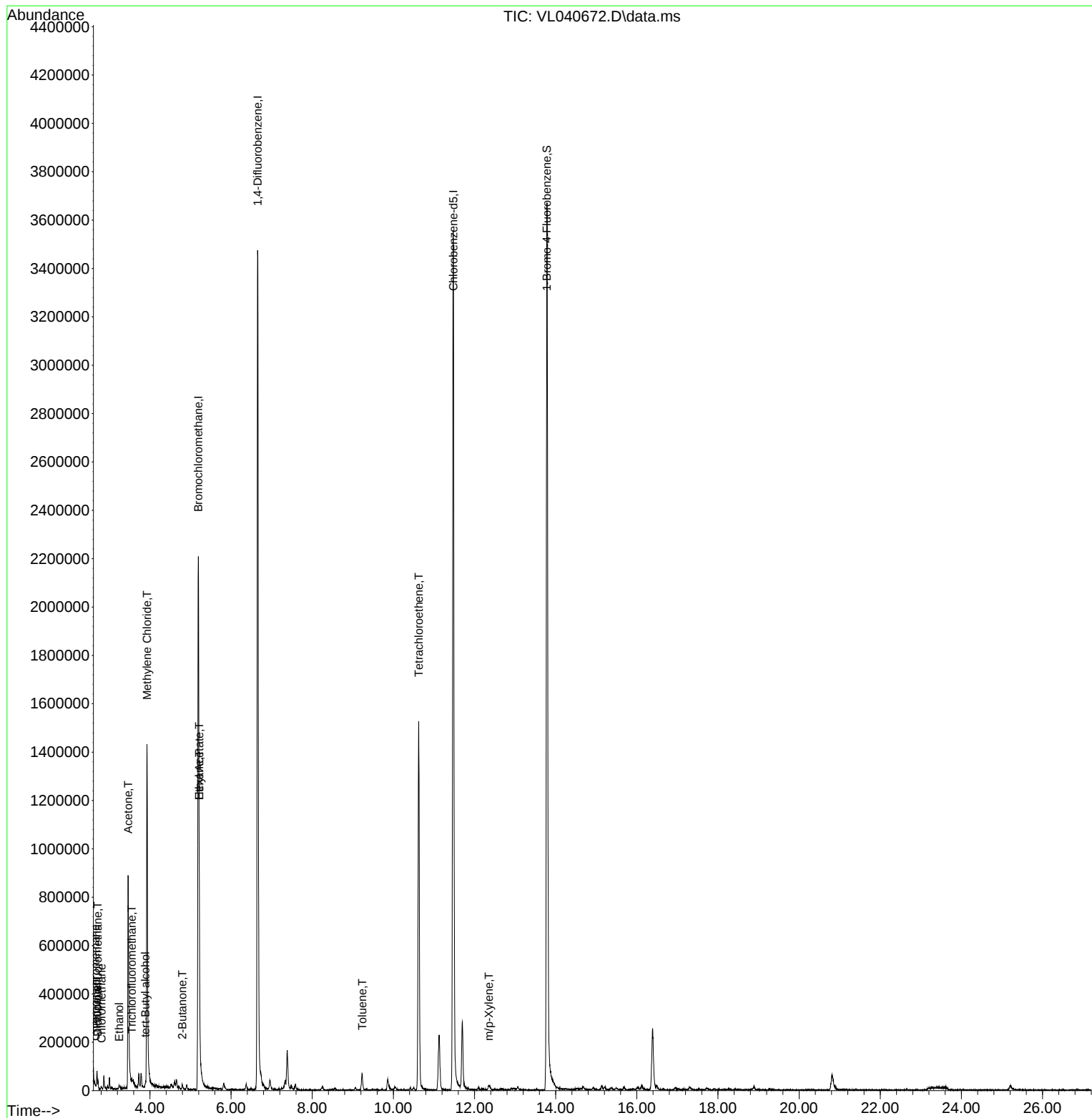
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090723\
Data File : VL040672.D
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Sample : 04323-02DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

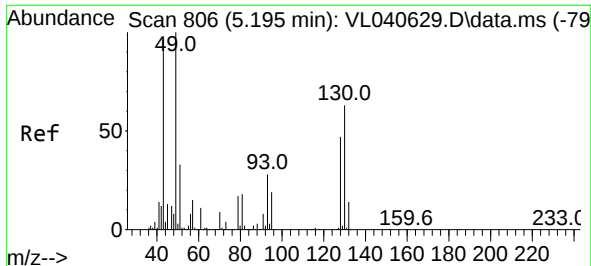
Instrument :
MSVOA_L
ClientSampleId :
IA1DL

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Supervised By :Mahesh Dadoda 09/11/2023

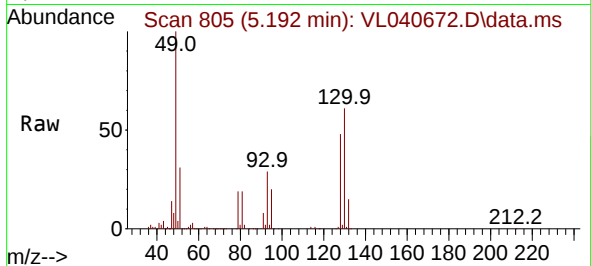
Quant Time: Sep 07 15:31:10 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Aug 16 05:43:50 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 806
Delta R.T. -0.003 min
Lab File: VL040672.D
Acq: 7 Sep 2023 15:01

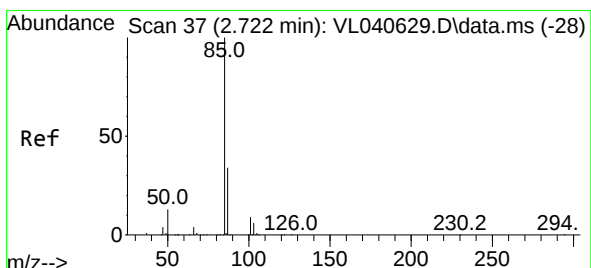
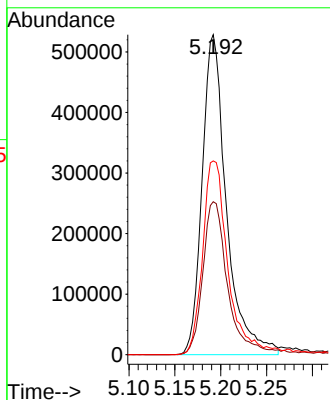
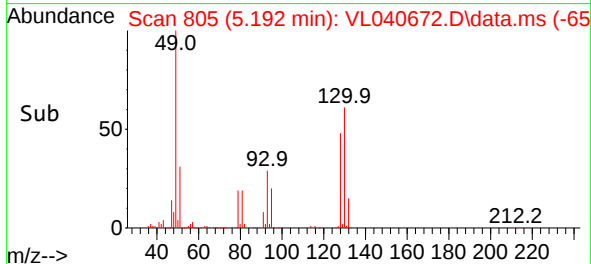
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 49 Resp: 973079
Ion Ratio Lower Upper
49 100
128 50.4 24.9 74.7
130 65.7 32.2 96.6

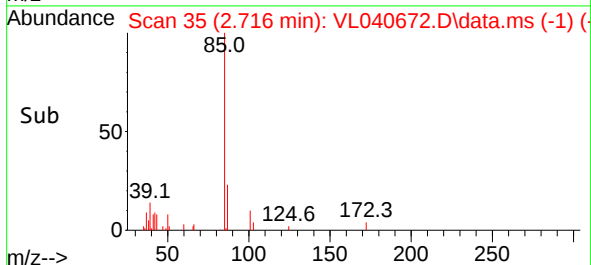
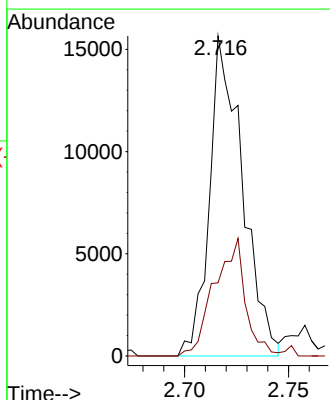
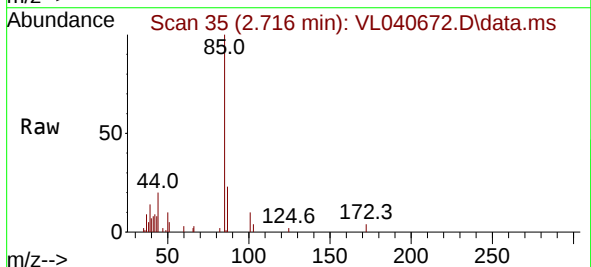
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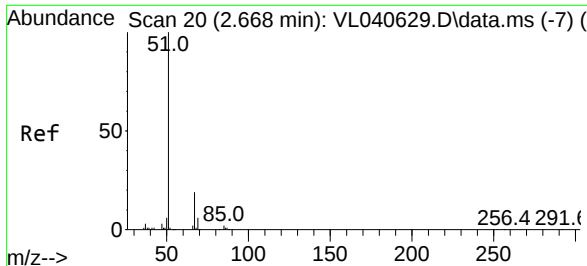
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#2
Dichlorodifluoromethane
Concen: 0.083 ppbv
RT: 2.716 min Scan# 35
Delta R.T. -0.006 min
Lab File: VL040672.D
Acq: 7 Sep 2023 15:01

Tgt Ion: 85 Resp: 17315
Ion Ratio Lower Upper
85 100
87 22.8 27.5 41.3





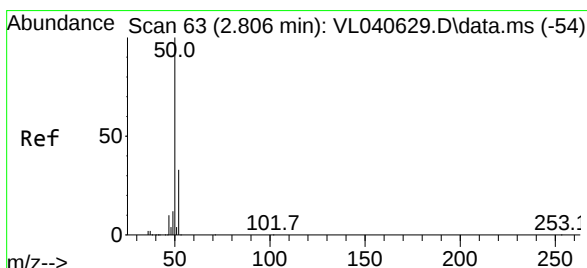
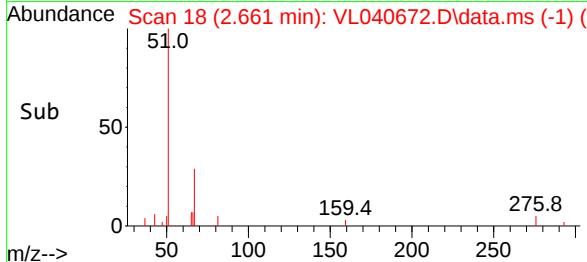
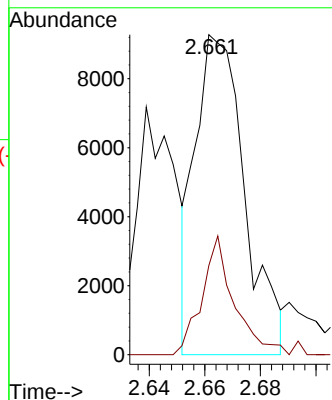
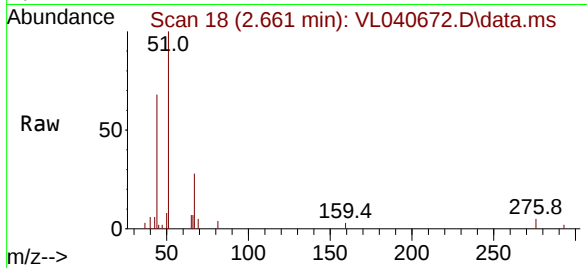
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Chlorodifluoromethane
Concen: 0.072 ppbv m
RT: 2.661 min Scan# 18
Delta R.T. -0.006 min
Lab File: VL040672.D
Acq: 7 Sep 2023 15:01

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 51 Resp: 11434
Ion Ratio Lower Upper
51 100
67 25.0 15.0 22.6

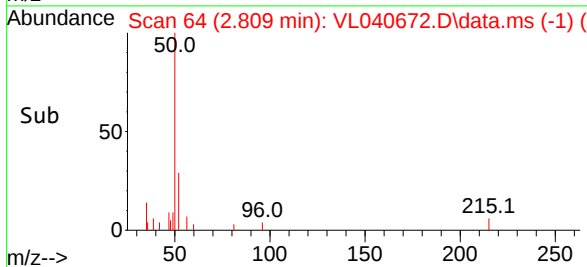
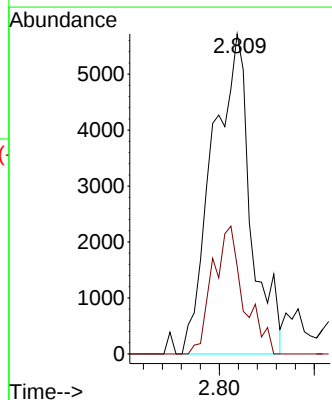
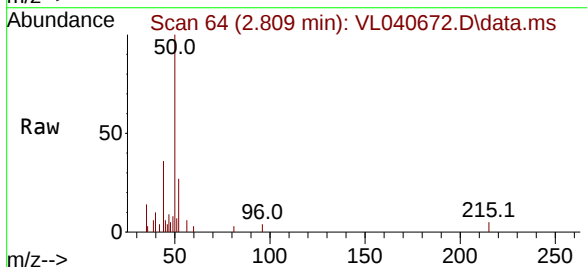
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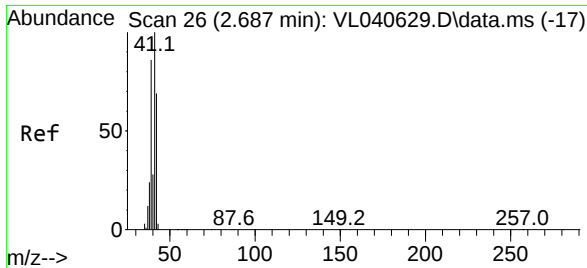
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#4
Chloromethane
Concen: 0.129 ppbv m
RT: 2.809 min Scan# 64
Delta R.T. 0.003 min
Lab File: VL040672.D
Acq: 7 Sep 2023 15:01

Tgt Ion: 50 Resp: 8029
Ion Ratio Lower Upper
50 100
52 27.4 26.2 39.2





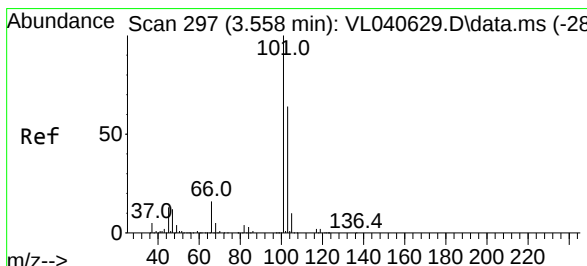
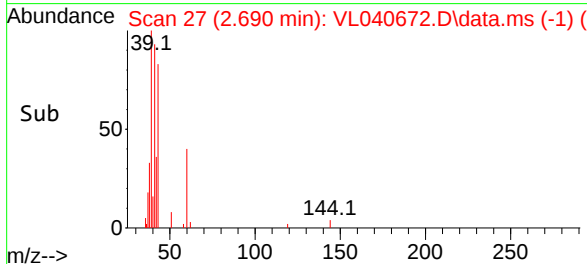
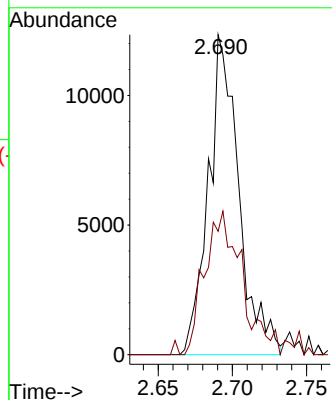
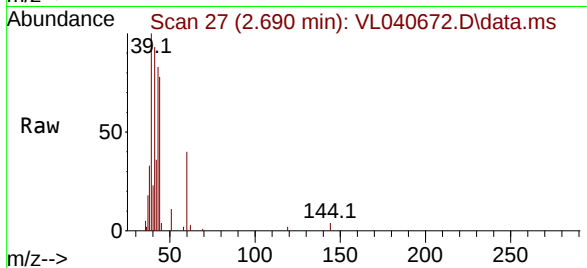
#9
 Propene
 Concen: 0.356 ppbv
 RT: 2.690 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VL040672.D
 Acq: 7 Sep 2023 15:01

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Tgt Ion: 41 Resp: 1762
 Ion Ratio Lower Upper
 41 100
 42 58.1 56.5 84.7

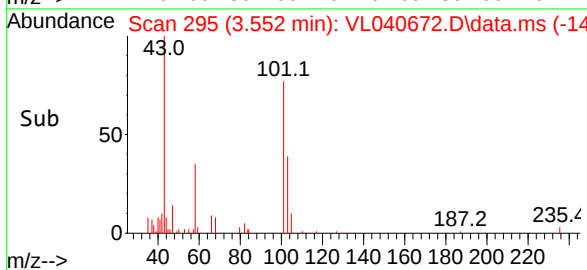
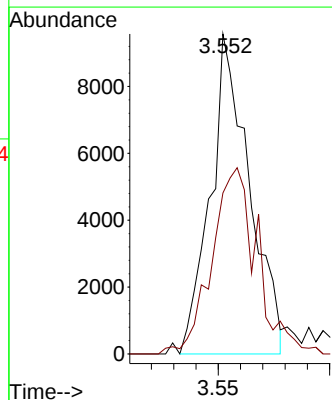
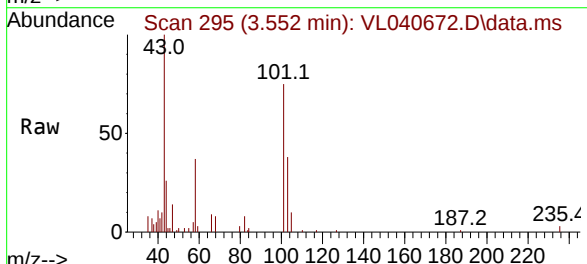
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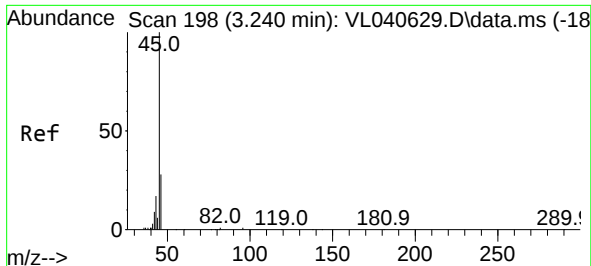
Reviewed By :Semsettin Yesilyurt 09/11/2023
 Supervised By :Mahesh Dadoda 09/11/2023



#11
 Trichlorofluoromethane
 Concen: 0.069 ppbv
 RT: 3.552 min Scan# 295
 Delta R.T. -0.006 min
 Lab File: VL040672.D
 Acq: 7 Sep 2023 15:01

Tgt Ion:101 Resp: 11605
 Ion Ratio Lower Upper
 101 100
 103 48.7 51.1 76.7#





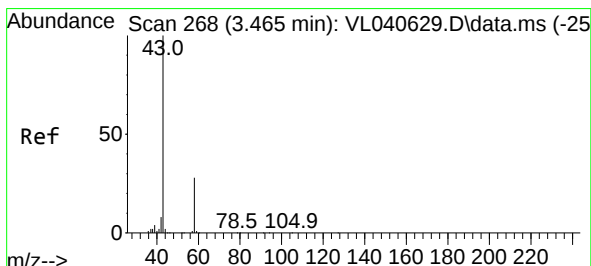
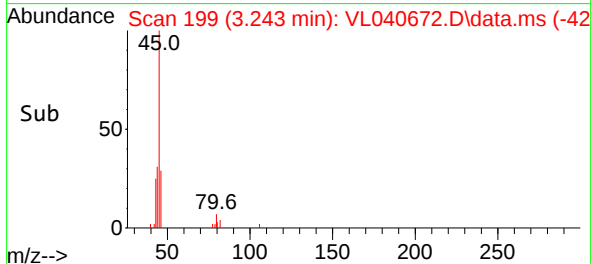
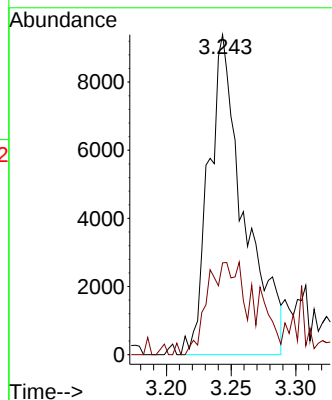
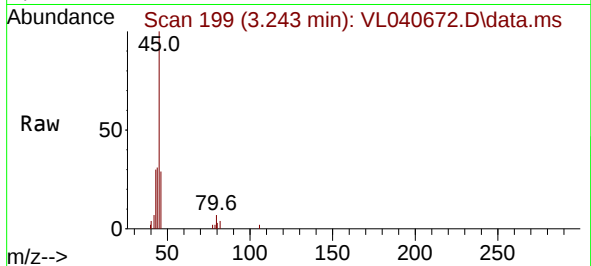
#13
Ethanol
Concen: 1.291 ppbv m
RT: 3.243 min Scan# 198
Delta R.T. 0.003 min
Lab File: VL040672.D
Acq: 7 Sep 2023 15:01

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 45 Resp: 1783
Ion Ratio Lower Upper
45 100
46 0.0 14.2 56.6

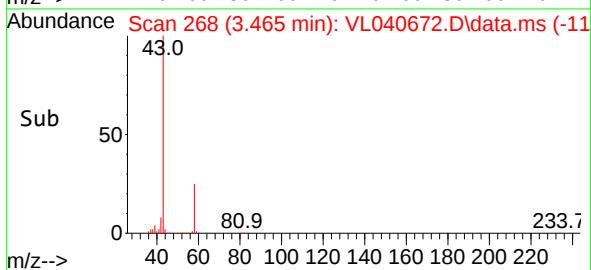
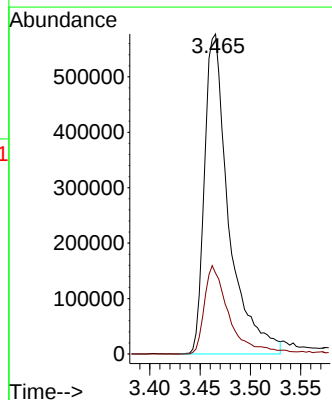
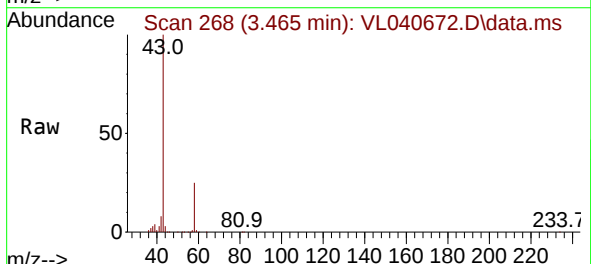
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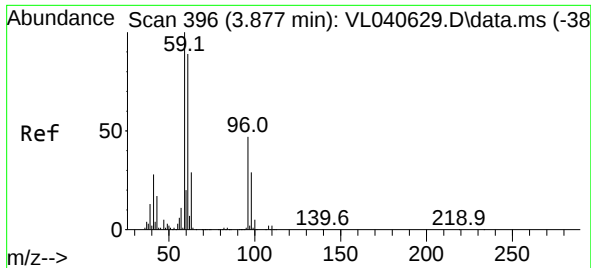
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#15
Acetone
Concen: 8.163 ppbv
RT: 3.465 min Scan# 268
Delta R.T. 0.000 min
Lab File: VL040672.D
Acq: 7 Sep 2023 15:01

Tgt Ion: 43 Resp: 971612
Ion Ratio Lower Upper
43 100
58 29.2 22.4 33.6





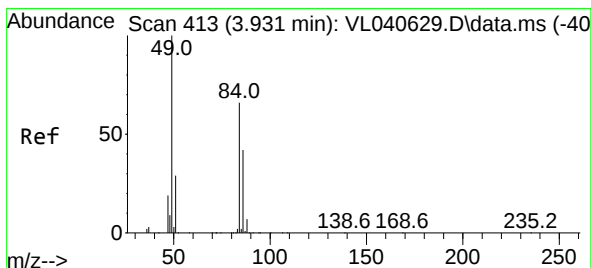
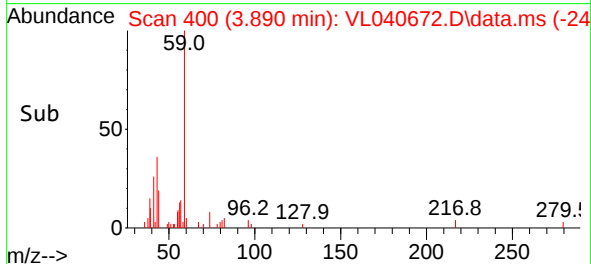
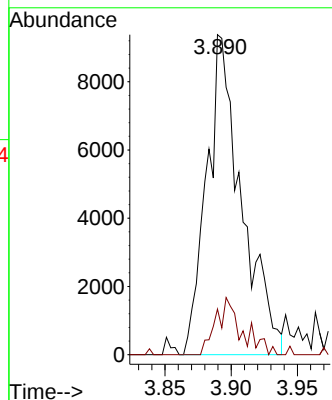
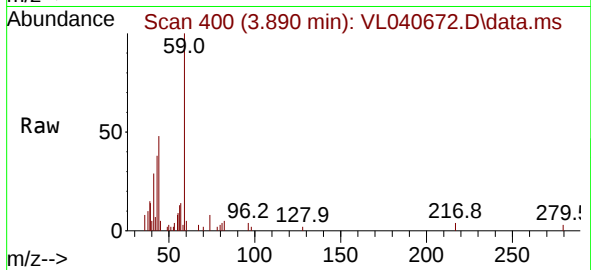
#17
tert-Butyl alcohol
Concen: 0.136 ppbv m
RT: 3.890 min Scan# 400
Delta R.T. 0.013 min
Lab File: VL040672.D
Acq: 7 Sep 2023 15:01

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 59 Resp: 17182
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6

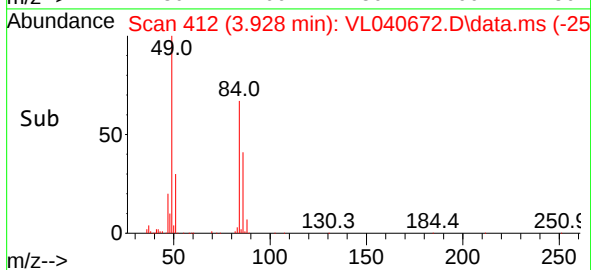
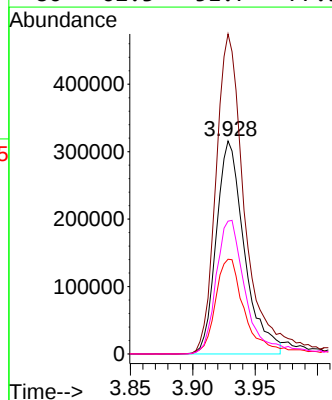
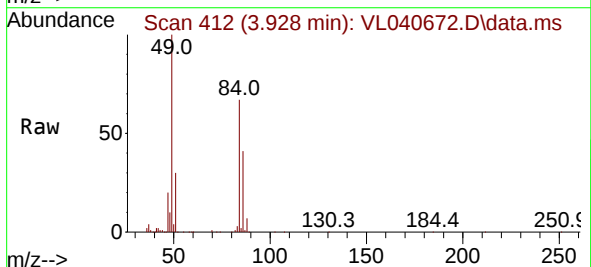
Manual Integrations
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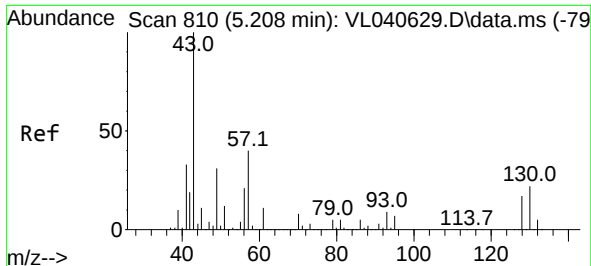
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#20
Methylene Chloride
Concen: 8.524 ppbv
RT: 3.928 min Scan# 412
Delta R.T. -0.003 min
Lab File: VL040672.D
Acq: 7 Sep 2023 15:01

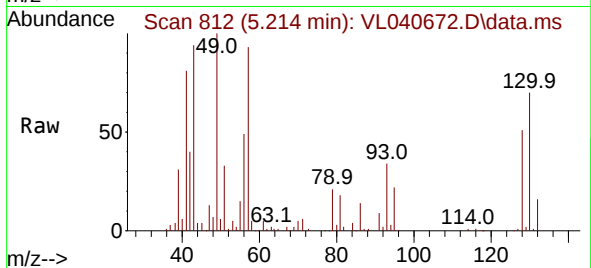
Tgt Ion: 84 Resp: 495783
Ion Ratio Lower Upper
84 100
49 150.2 122.1 183.1
51 44.4 35.4 53.2
86 62.3 51.7 77.5





#25
Ethyl Acetate
Concen: 0.873 ppbv
RT: 5.214 min Scan# 810
Delta R.T. 0.006 min
Lab File: VL040672.D
Acq: 7 Sep 2023 15:01

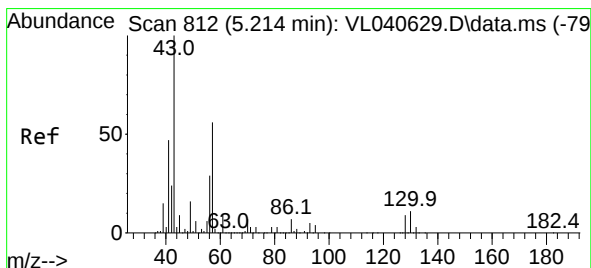
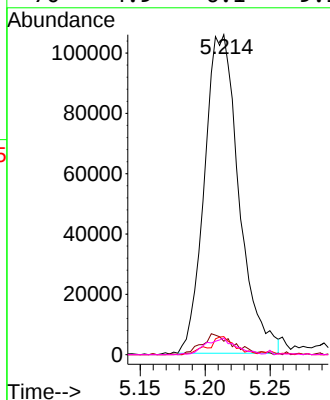
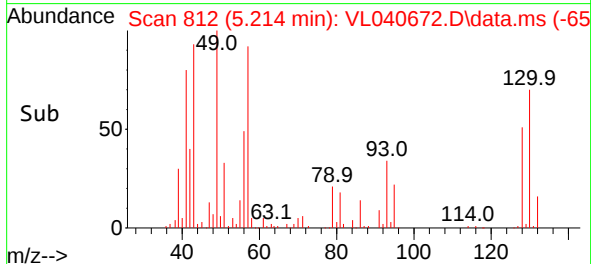
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 43 Resp: 195220
Ion Ratio Lower Upper
43 100
45 6.3 8.2 12.4
61 5.0 8.3 12.5
70 4.9 6.1 9.1

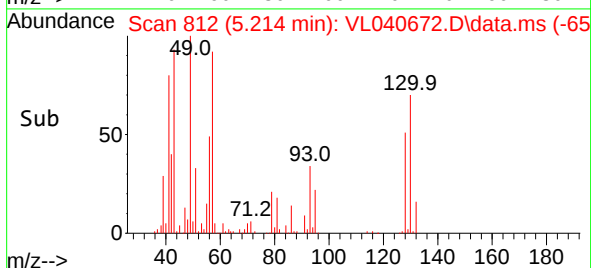
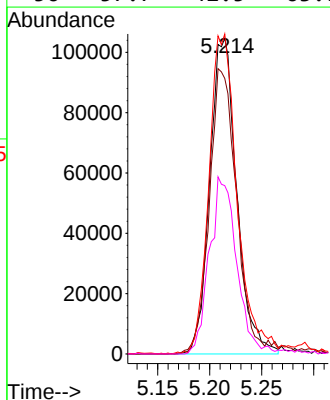
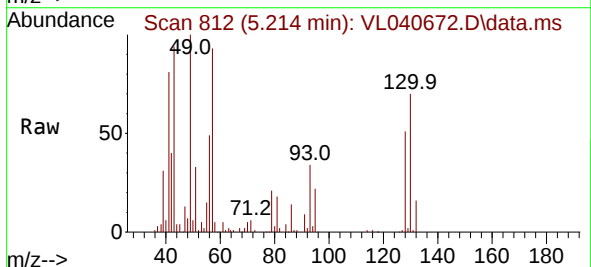
Manual Integrations
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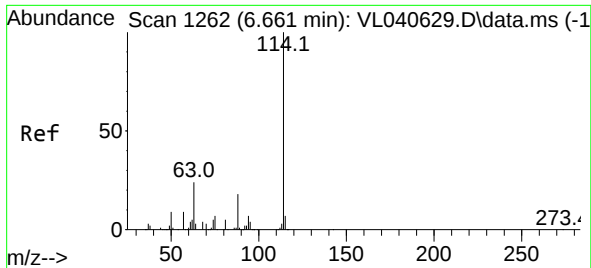
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#26
Hexane
Concen: 1.745 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.000 min
Lab File: VL040672.D
Acq: 7 Sep 2023 15:01

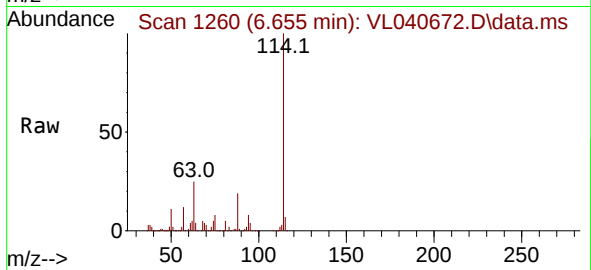
Tgt Ion: 57 Resp: 188779
Ion Ratio Lower Upper
57 100
41 94.4 69.3 103.9
43 107.5 177.9 266.9
56 57.7 42.5 63.7





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 114
Delta R.T. -0.006 min
Lab File: VL040672.D
Acq: 7 Sep 2023 15:01

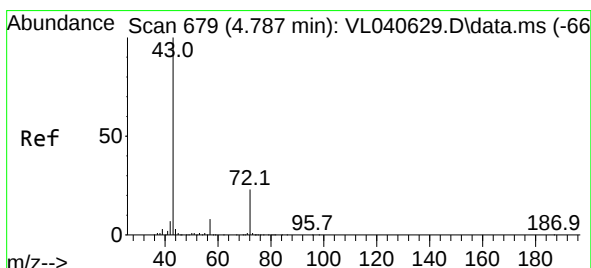
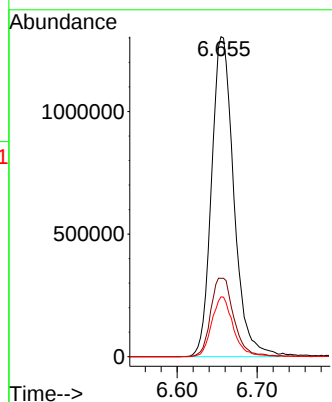
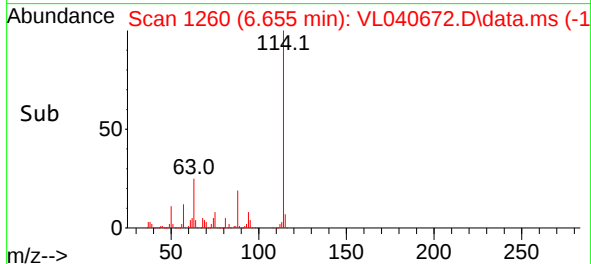
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion:114 Resp: 2522349
Ion Ratio Lower Upper
114 100
63 25.9 20.2 30.2
88 18.2 14.1 21.1

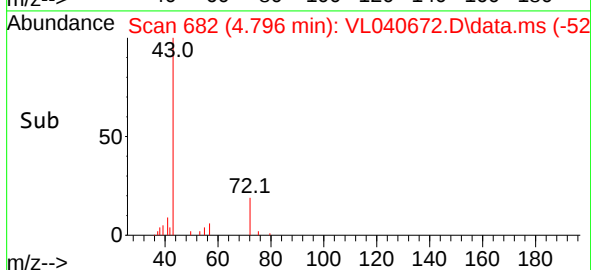
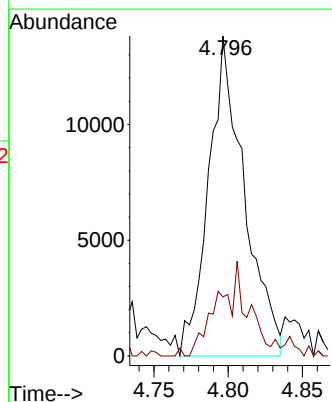
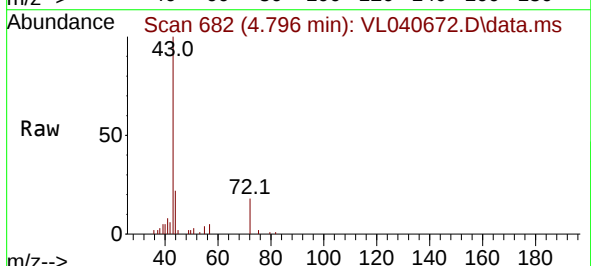
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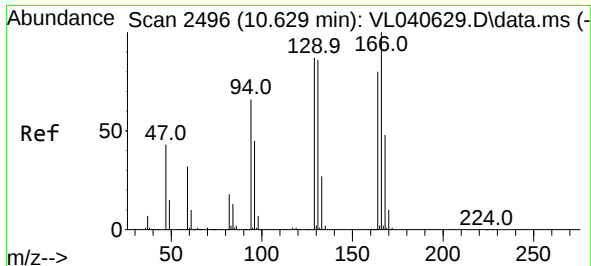
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#34
2-Butanone
Concen: 0.182 ppbv
RT: 4.796 min Scan# 682
Delta R.T. 0.010 min
Lab File: VL040672.D
Acq: 7 Sep 2023 15:01

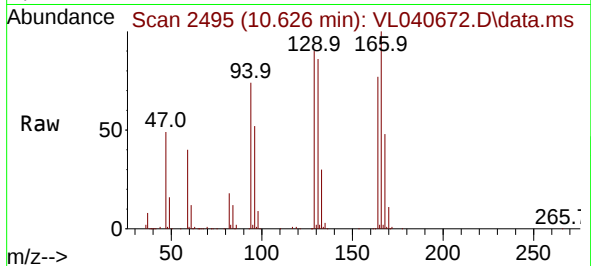
Tgt Ion: 43 Resp: 23115
Ion Ratio Lower Upper
43 100
72 27.8 19.2 28.8





#52
Tetrachloroethene
Concen: 5.360 ppbv
RT: 10.626 min Scan# 2495
Delta R.T. -0.003 min
Lab File: VL040672.D
Acq: 7 Sep 2023 15:01

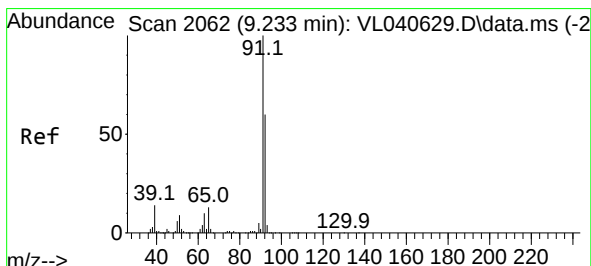
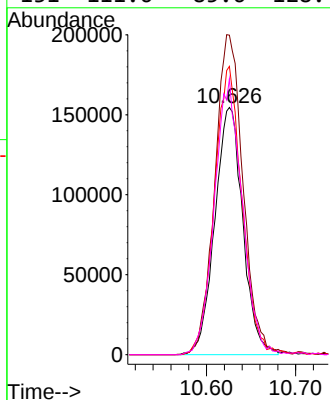
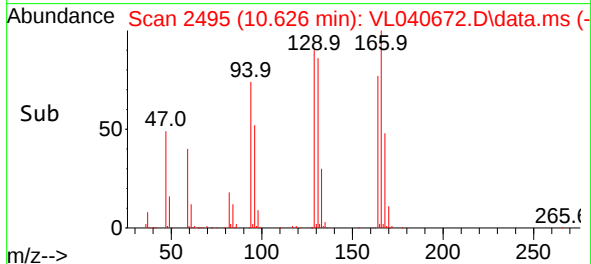
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion:164 Resp: 33685
Ion Ratio Lower Upper
164 100
166 129.0 99.5 149.3
129 116.6 86.9 130.3
131 111.6 85.6 128.4

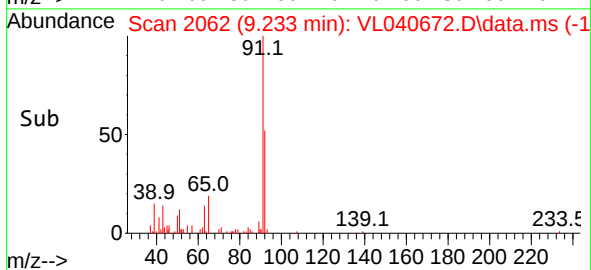
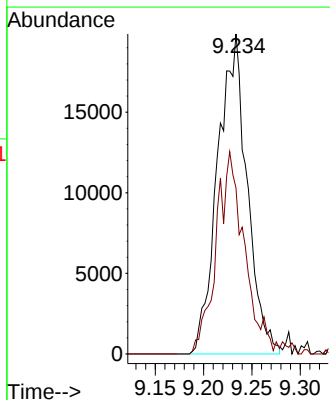
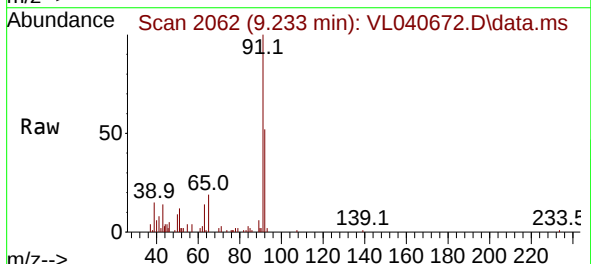
Manual Integrations
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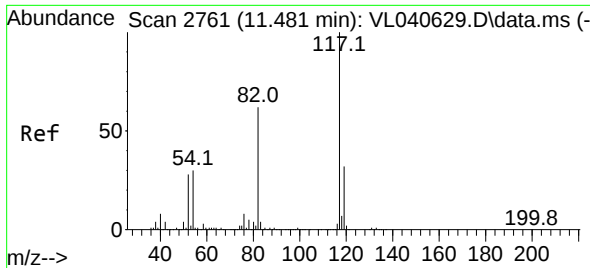
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#53
Toluene
Concen: 0.197 ppbv m
RT: 9.233 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VL040672.D
Acq: 7 Sep 2023 15:01

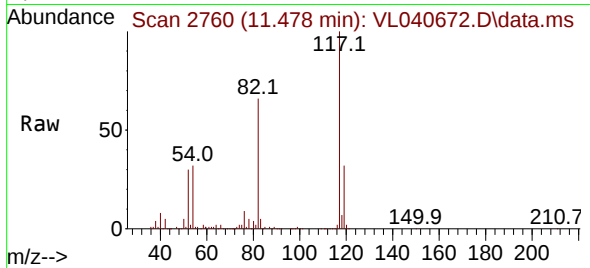
Tgt Ion: 91 Resp: 42033
Ion Ratio Lower Upper
91 100
92 62.3 48.0 72.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040672.D
Acq: 7 Sep 2023 15:01

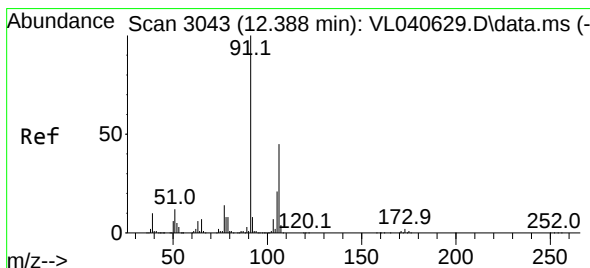
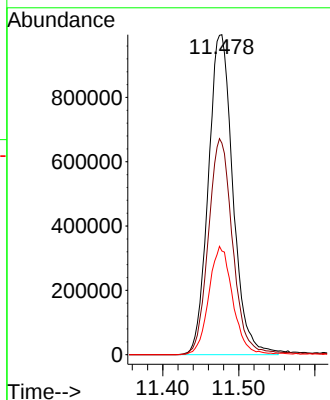
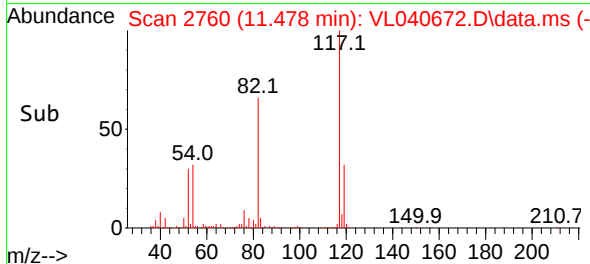
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 117 Resp: 223677
Ion Ratio Lower Upper
117 100
82 67.5 49.5 74.3
119 33.4 24.5 36.7

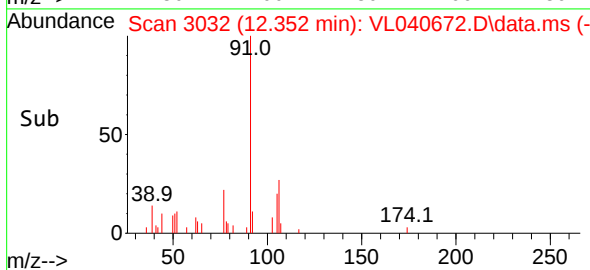
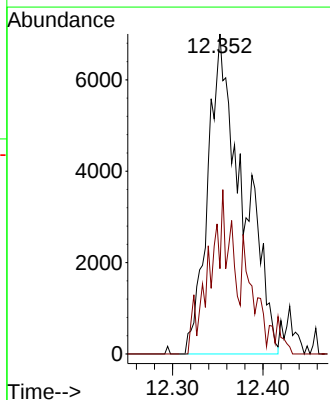
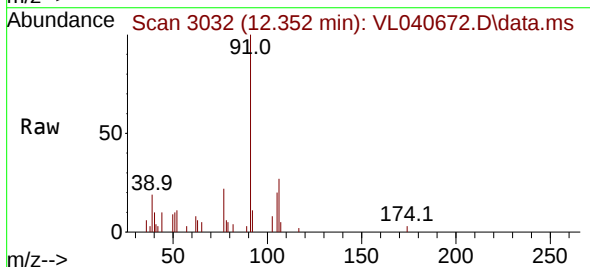
Manual Integrations
APPROVED

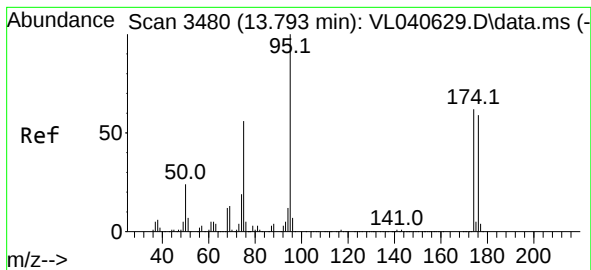
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#59
m/p-Xylene
Concen: 0.077 ppbv m
RT: 12.352 min Scan# 3032
Delta R.T. -0.035 min
Lab File: VL040672.D
Acq: 7 Sep 2023 15:01

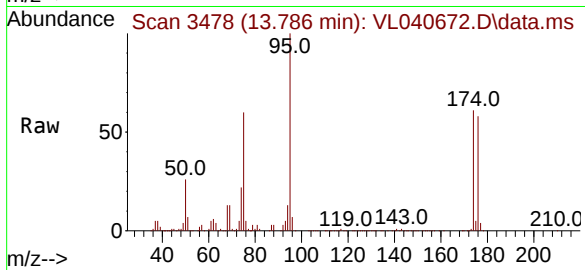
Tgt Ion: 91 Resp: 18876
Ion Ratio Lower Upper
91 100
106 0.0 35.3 52.9#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.951 ppbv
 RT: 13.786 min Scan# 34
 Delta R.T. -0.006 min
 Lab File: VL040672.D
 Acq: 7 Sep 2023 15:01

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL



Tgt Ion: 95 Resp: 177027
 Ion Ratio Lower Upper
 95 100
 174 63.8 49.1 73.7
 175 4.5 3.7 5.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2023
 Supervised By :Mahesh Dadoda 09/11/2023

