

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080923\
 Data File : VL040622.D
 Acq On : 10 Aug 2023 2:02
 Operator : SY/MD
 Sample : 03950-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/10/2023
 Supervised By :Mahesh Dadoda 08/10/2023

Quant Time: Aug 10 04:57:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 10 2023
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	866503	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.655	114	2126898	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	1824396	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1525986	10.569	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.700%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	63389	0.366	ppbv	97
3) Chlorodifluoromethane	2.661	51	42048m	0.306	ppbv	
4) Chloromethane	2.803	50	31918	0.587	ppbv	98
9) Propene	2.690	41	29182	0.621	ppbv	90
11) Trichlorofluoromethane	3.555	101	41647	0.298	ppbv	90
13) Ethanol	3.240	45	84021m	8.213	ppbv	
15) Acetone	3.465	43	386633	3.876	ppbv	100
19) Isopropyl Alcohol	3.587	45	55274	0.965	ppbv #	64
20) Methylene Chloride	3.928	84	538622	12.695	ppbv	97
26) Hexane	5.214	57	189686	2.150	ppbv #	40
34) 2-Butanone	4.803	43	24100m	0.229	ppbv	
35) Carbon Tetrachloride	6.494	117	10671m	0.083	ppbv	
36) Benzene	6.372	78	18674m	0.109	ppbv	
53) Toluene	9.230	91	22457m	0.121	ppbv	

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

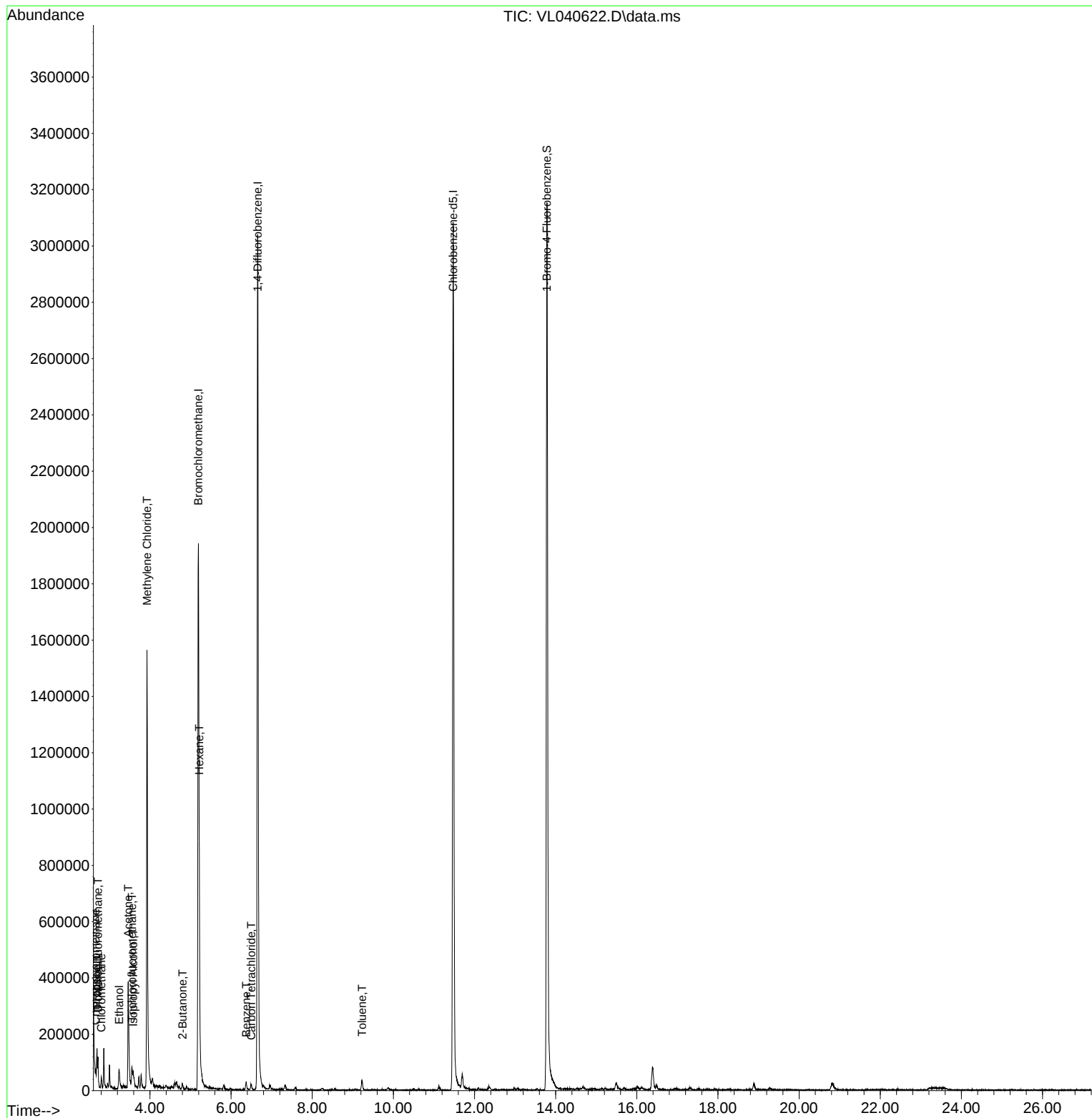
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080923\
Data File : VL040622.D
Acq On : 10 Aug 2023 2:02
Operator : SY/MD
Sample : 03950-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

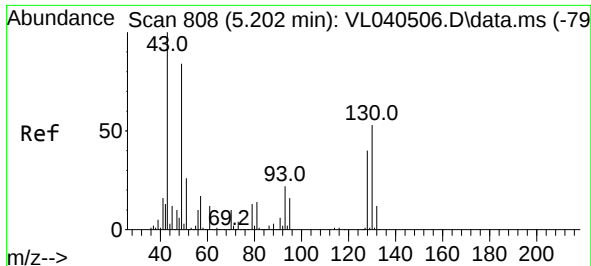
Instrument :
MSVOA_L
ClientSampleId :
IA1

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Supervised By :Mahesh Dadoda 08/10/2023

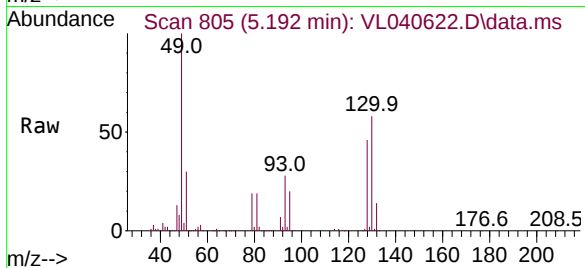
Quant Time: Aug 10 04:57:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.010 min
Lab File: VL040622.D
Acq: 10 Aug 2023 2:02

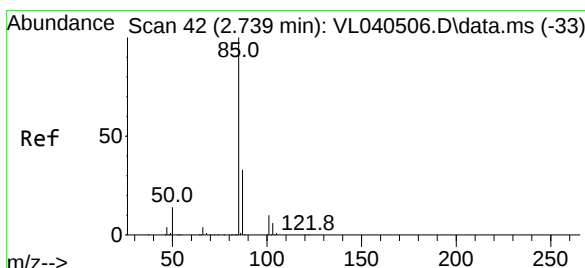
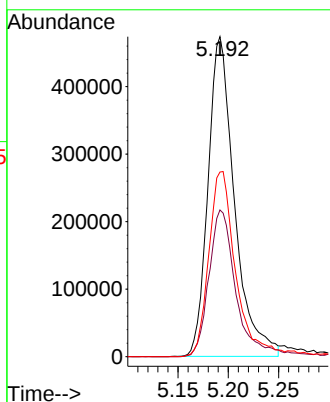
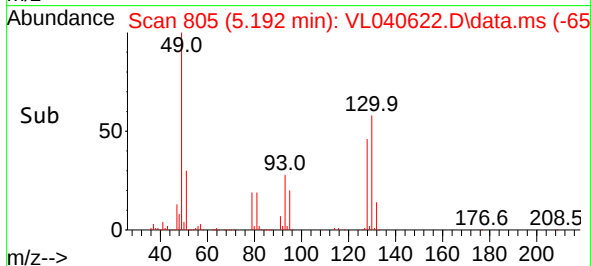
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 86650
Ion Ratio Lower Upper
49 100
128 47.6 25.1 75.4
130 61.3 31.6 94.7

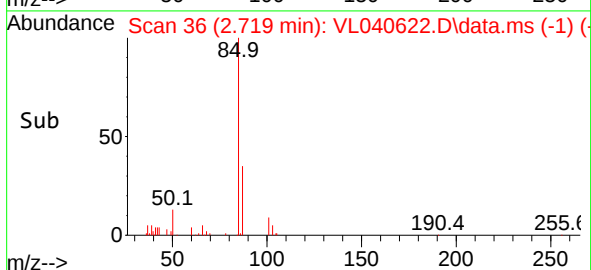
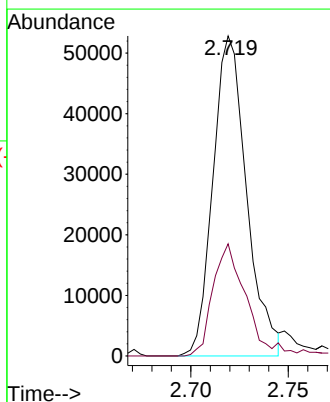
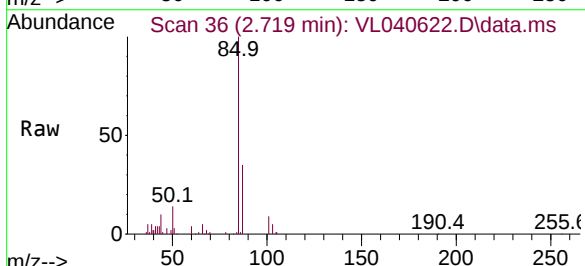
Manual Integrations
APPROVED

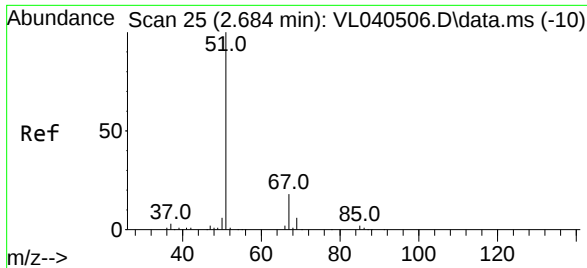
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#2
Dichlorodifluoromethane
Concen: 0.366 ppbv
RT: 2.719 min Scan# 36
Delta R.T. -0.019 min
Lab File: VL040622.D
Acq: 10 Aug 2023 2:02

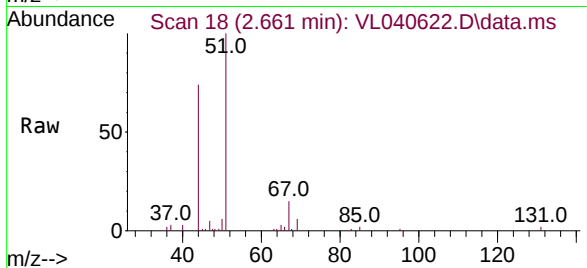
Tgt Ion: 85 Resp: 63389
Ion Ratio Lower Upper
85 100
87 35.0 26.8 40.2





#3
Chlorodifluoromethane
Concen: 0.306 ppbv m
RT: 2.661 min Scan# 18
Delta R.T. -0.023 min
Lab File: VL040622.D
Acq: 10 Aug 2023 2:02

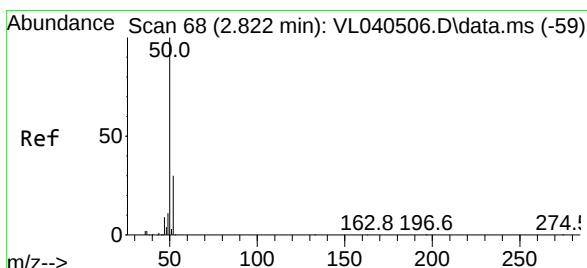
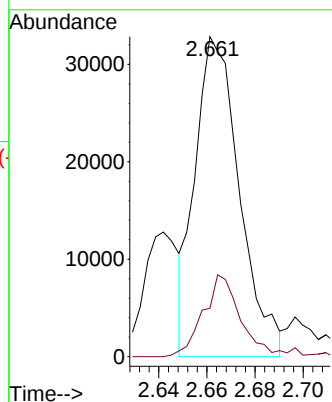
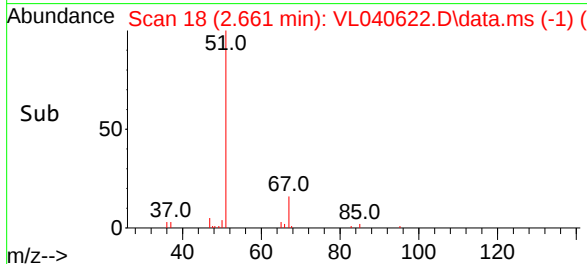
Instrument :
MSVOA_L
ClientSampleId :
IA1



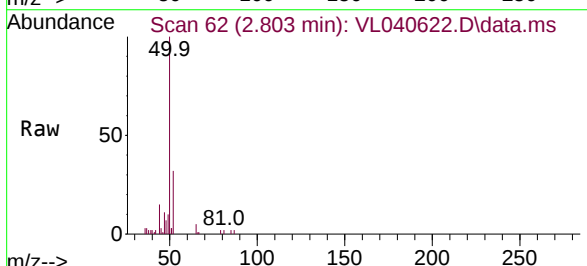
Tgt Ion: 51 Resp: 42048
Ion Ratio Lower Upper
51 100
67 22.8 14.6 21.8

Manual Integrations
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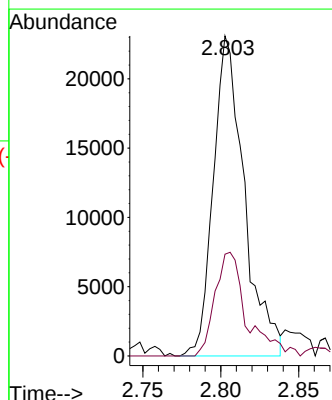
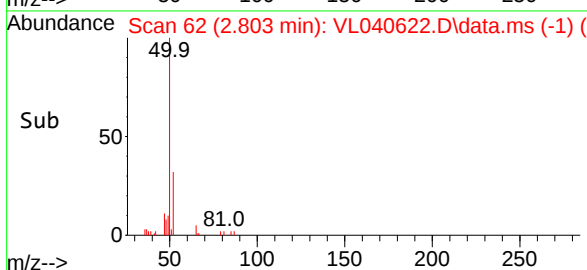
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

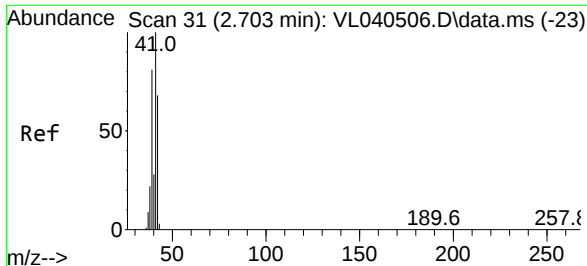


#4
Chloromethane
Concen: 0.587 ppbv
RT: 2.803 min Scan# 62
Delta R.T. -0.019 min
Lab File: VL040622.D
Acq: 10 Aug 2023 2:02



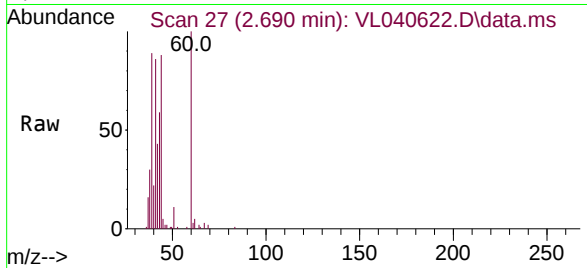
Tgt Ion: 50 Resp: 31918
Ion Ratio Lower Upper
50 100
52 31.8 24.4 36.6





#9
 Propene
 Concen: 0.621 ppbv
 RT: 2.690 min Scan# 21
 Delta R.T. -0.013 min
 Lab File: VL040622.D
 Acq: 10 Aug 2023 2:02

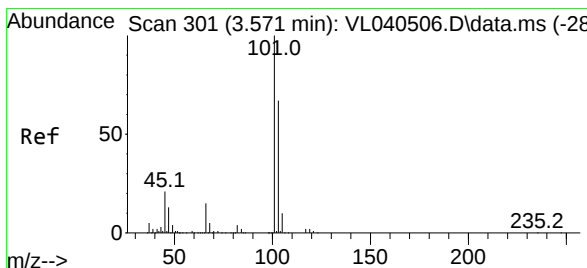
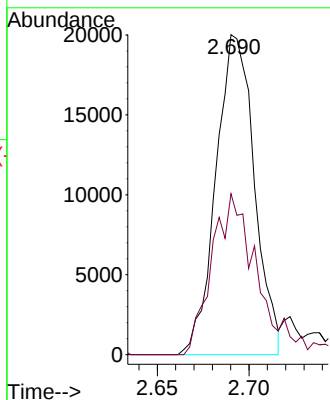
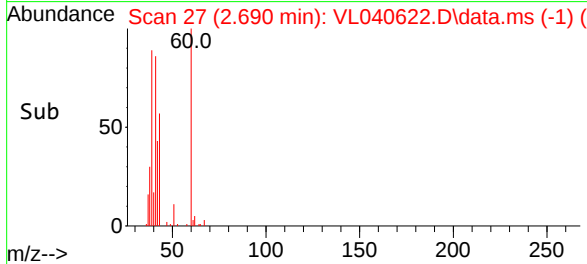
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



Tgt Ion: 41 Resp: 2918
 Ion Ratio Lower Upper
 41 100
 42 60.7 55.0 82.6

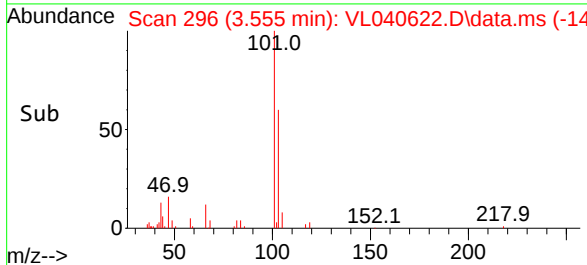
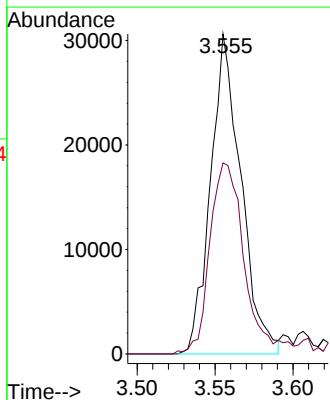
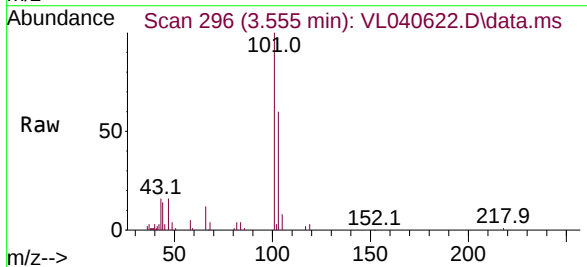
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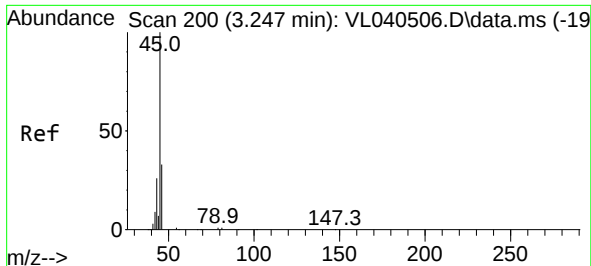
Reviewed By :Semsettin Yesilyurt 08/10/2023
 Supervised By :Mahesh Dadoda 08/10/2023



#11
 Trichlorofluoromethane
 Concen: 0.298 ppbv
 RT: 3.555 min Scan# 296
 Delta R.T. -0.016 min
 Lab File: VL040622.D
 Acq: 10 Aug 2023 2:02

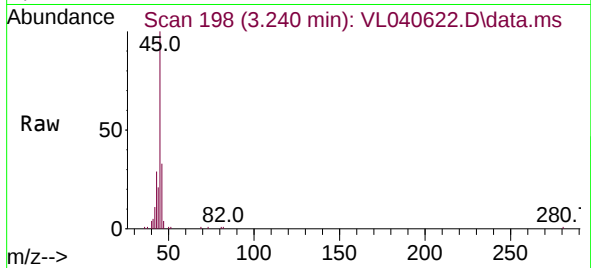
Tgt Ion:101 Resp: 41647
 Ion Ratio Lower Upper
 101 100
 103 58.8 53.4 80.0





#13
Ethanol
Concen: 8.213 ppbv m
RT: 3.240 min Scan# 198
Delta R.T. -0.007 min
Lab File: VL040622.D
Acq: 10 Aug 2023 2:02

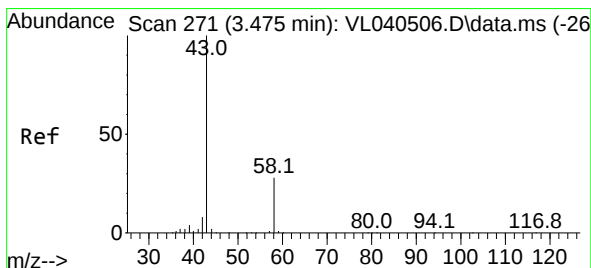
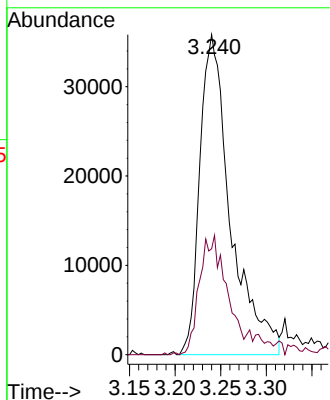
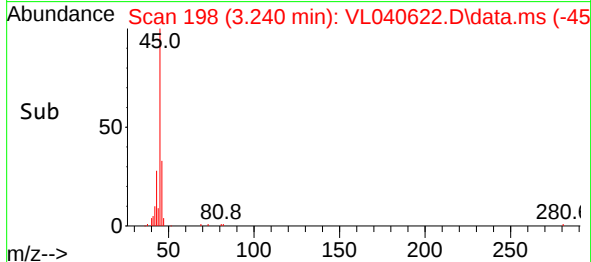
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 45 Resp: 8402
Ion Ratio Lower Upper
45 100
46 37.9 15.3 61.1

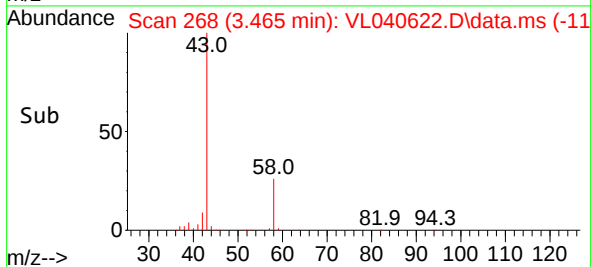
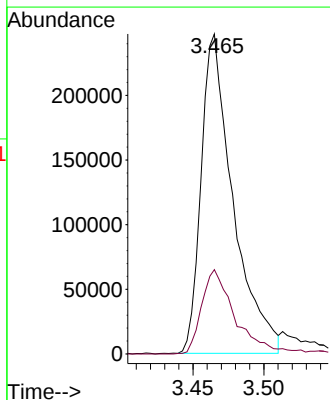
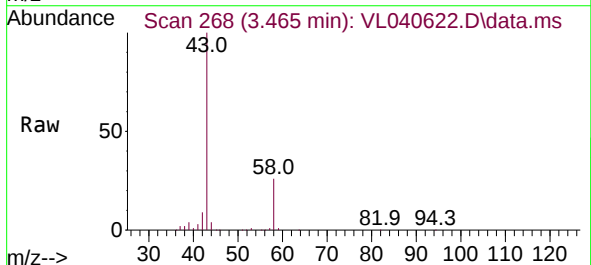
Manual Integrations
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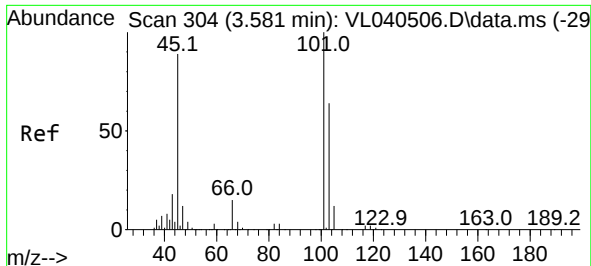
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#15
Acetone
Concen: 3.876 ppbv
RT: 3.465 min Scan# 268
Delta R.T. -0.010 min
Lab File: VL040622.D
Acq: 10 Aug 2023 2:02

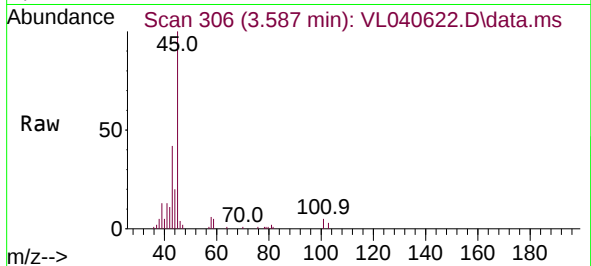
Tgt Ion: 43 Resp: 386633
Ion Ratio Lower Upper
43 100
58 28.5 22.9 34.3





#19
Isopropyl Alcohol
Concen: 0.965 ppbv
RT: 3.587 min Scan# 304
Delta R.T. 0.006 min
Lab File: VL040622.D
Acq: 10 Aug 2023 2:02

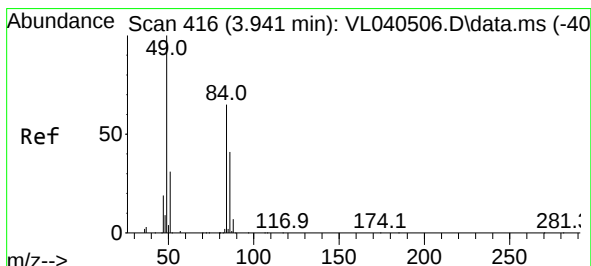
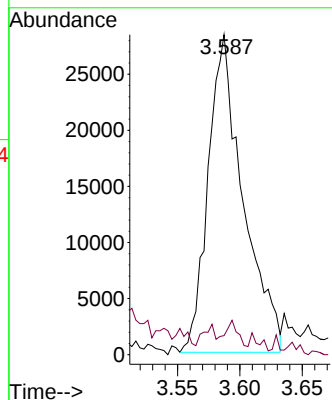
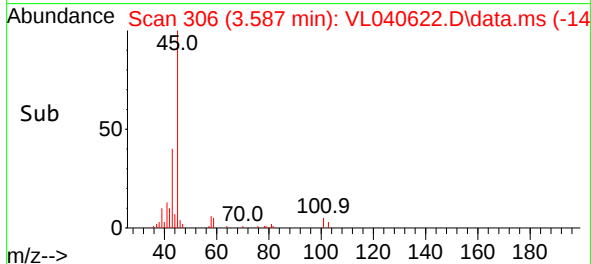
Instrument :
MSVOA_L
ClientSampleId :
IA1



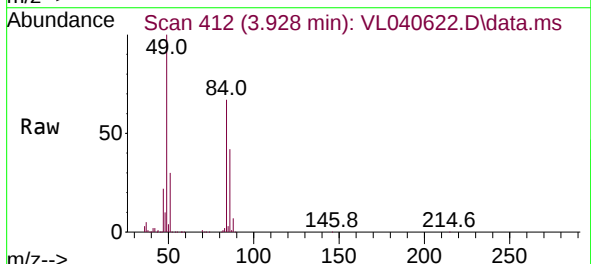
Tgt Ion: 45 Resp: 55274
Ion Ratio Lower Upper
45 100
58 15.3 1.1 1.7

Manual Integrations
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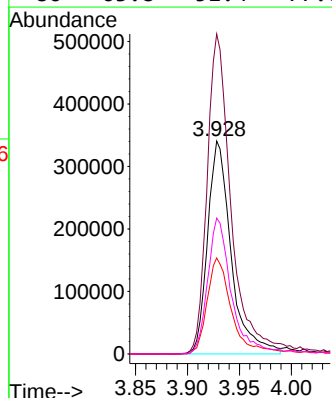
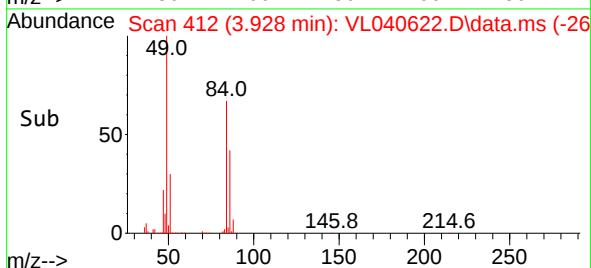
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

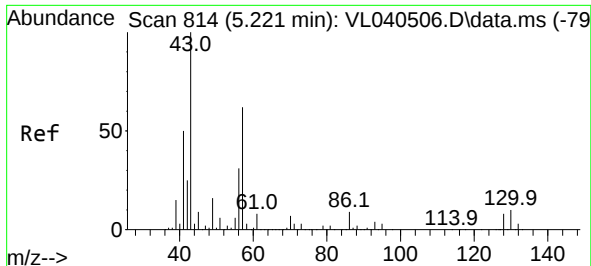


#20
Methylene Chloride
Concen: 12.695 ppbv
RT: 3.928 min Scan# 412
Delta R.T. -0.013 min
Lab File: VL040622.D
Acq: 10 Aug 2023 2:02



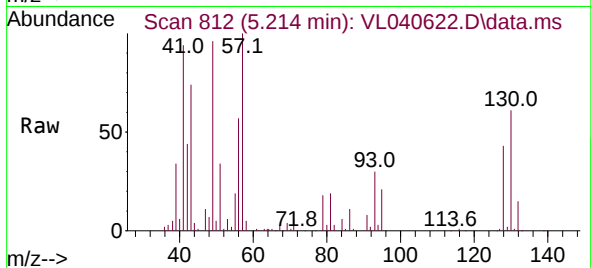
Tgt Ion: 84 Resp: 538622
Ion Ratio Lower Upper
84 100
49 150.3 123.4 185.2
51 45.1 38.3 57.5
86 63.8 51.4 77.0





#26
Hexane
Concen: 2.150 ppbv
RT: 5.214 min Scan# 814
Delta R.T. -0.007 min
Lab File: VL040622.D
Acq: 10 Aug 2023 2:02

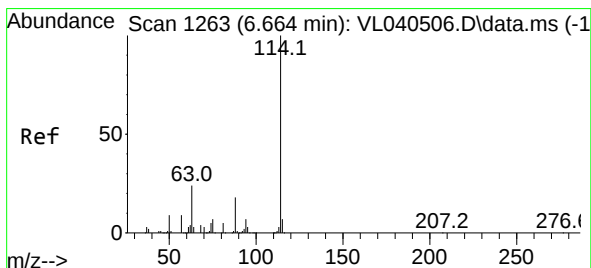
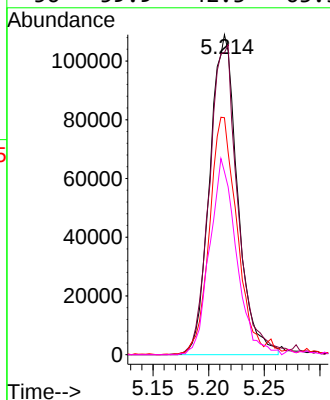
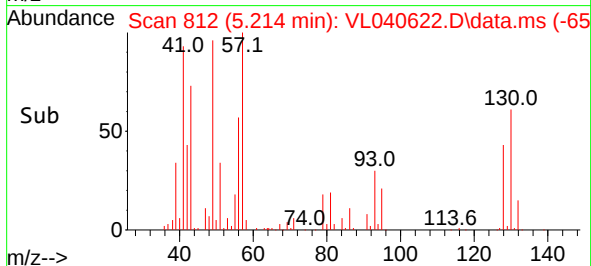
Instrument :
MSVOA_L
ClientSampleId :
IA1



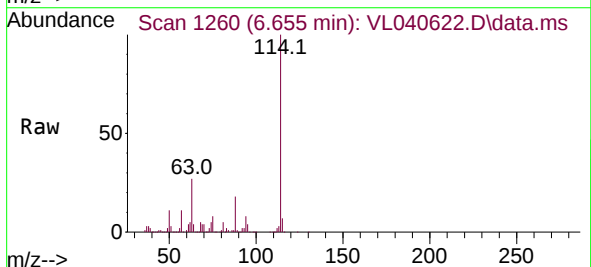
Tgt Ion: 57 Resp: 189680
Ion Ratio Lower Upper
57 100
41 100.5 69.5 104.3
43 76.3 177.1 265.7
56 59.9 42.3 63.5

Manual Integrations
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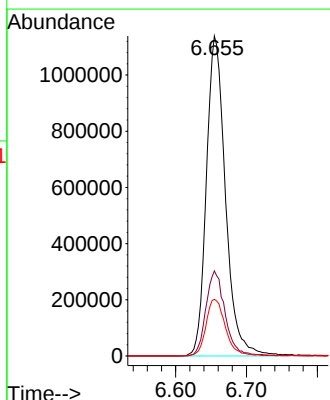
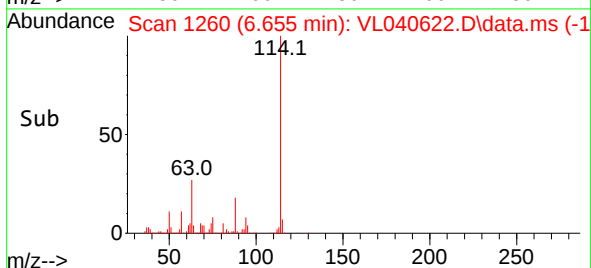
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

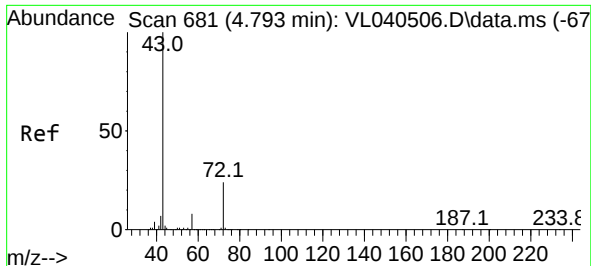


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. -0.010 min
Lab File: VL040622.D
Acq: 10 Aug 2023 2:02



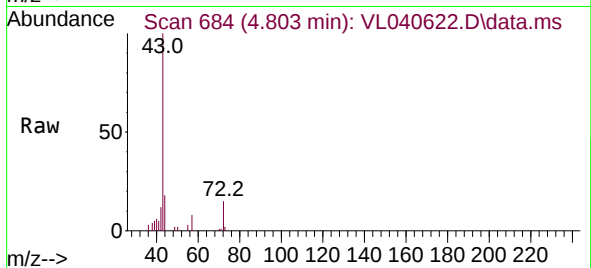
Tgt Ion:114 Resp: 2126898
Ion Ratio Lower Upper
114 100
63 26.7 19.6 29.4
88 18.2 14.2 21.2





#34
2-Butanone
Concen: 0.229 ppbv m
RT: 4.803 min Scan# 61
Delta R.T. 0.009 min
Lab File: VL040622.D
Acq: 10 Aug 2023 2:02

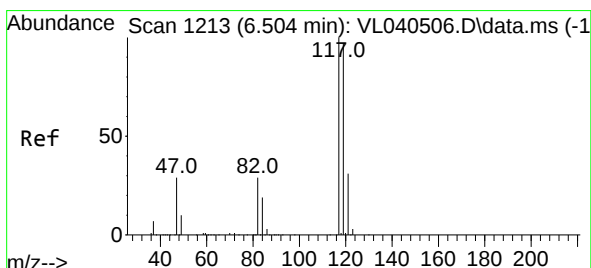
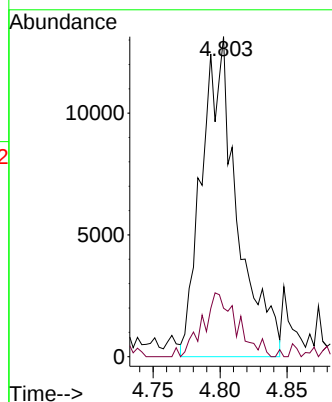
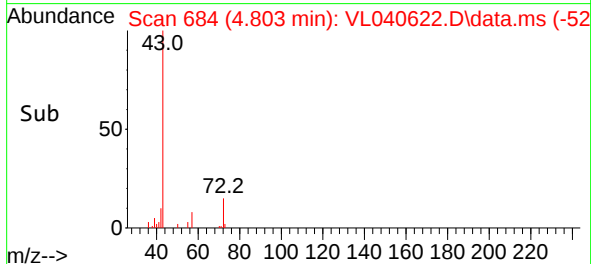
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 24100
Ion Ratio Lower Upper
43 100
72 19.4 19.1 28.7

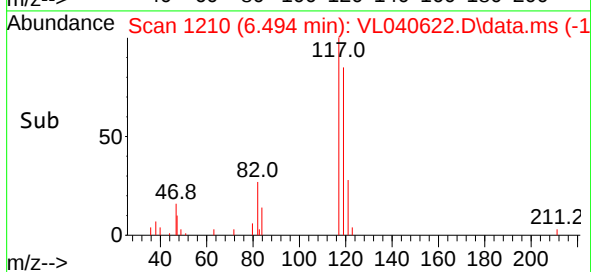
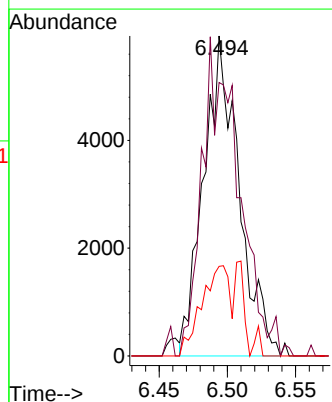
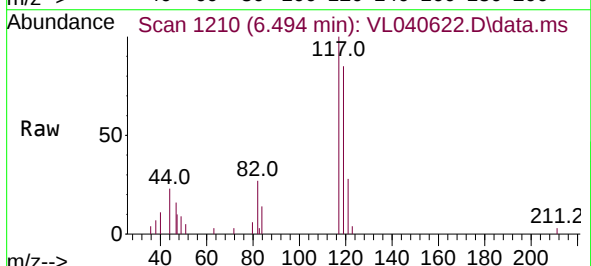
Manual Integrations
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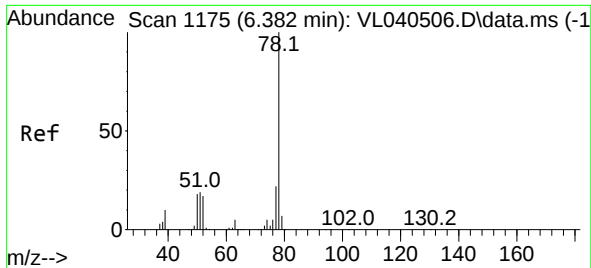
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#35
Carbon Tetrachloride
Concen: 0.083 ppbv m
RT: 6.494 min Scan# 1210
Delta R.T. -0.010 min
Lab File: VL040622.D
Acq: 10 Aug 2023 2:02

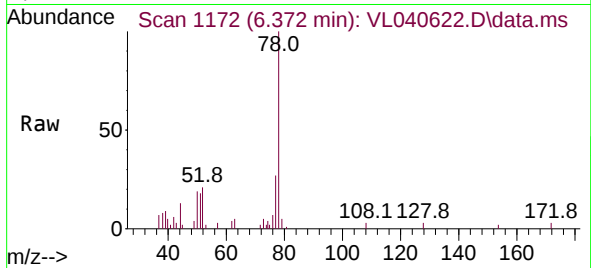
Tgt Ion:117 Resp: 10671
Ion Ratio Lower Upper
117 100
119 85.5 77.8 116.6
121 28.0 24.8 37.2





#36
Benzene
Concen: 0.109 ppbv m
RT: 6.372 min Scan# 1175
Delta R.T. -0.010 min
Lab File: VL040622.D
Acq: 10 Aug 2023 2:02

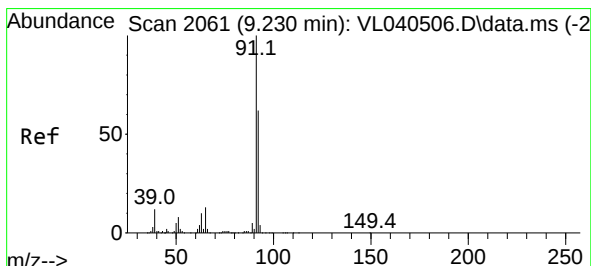
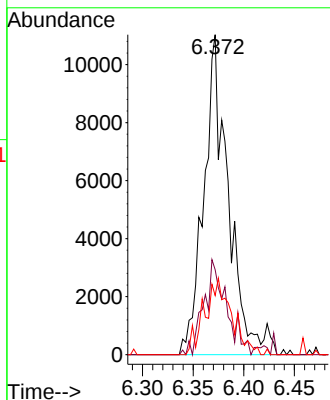
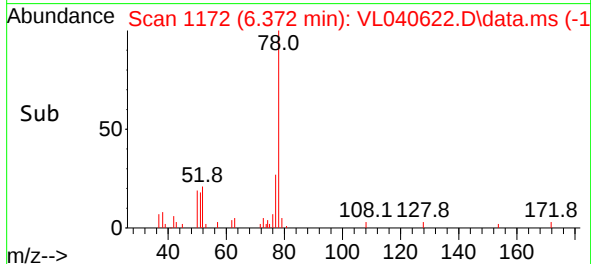
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 78 Resp: 18674
Ion Ratio Lower Upper
78 100
77 26.6 17.4 26.0
50 18.5 14.4 21.6

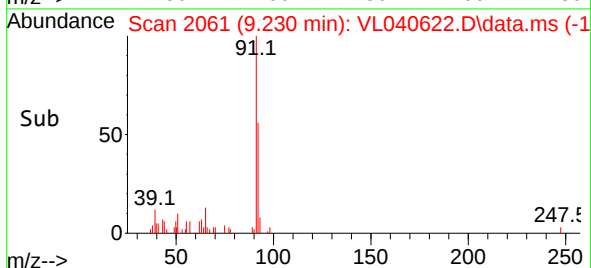
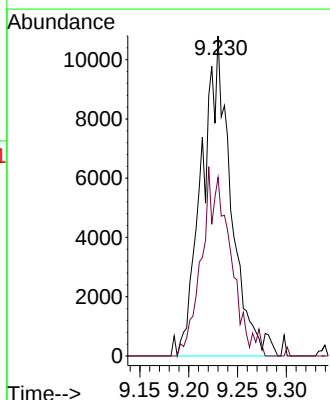
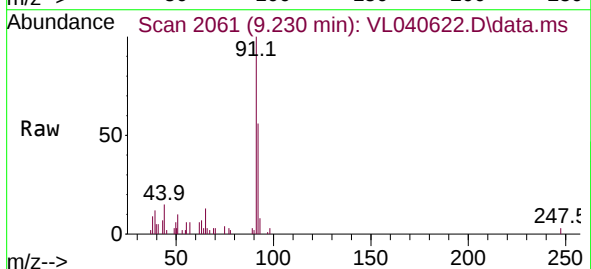
Manual Integrations
APPROVED

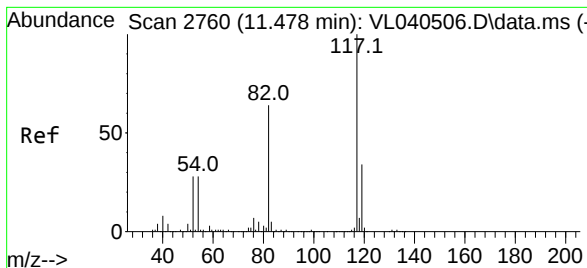
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#53
Toluene
Concen: 0.121 ppbv m
RT: 9.230 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VL040622.D
Acq: 10 Aug 2023 2:02

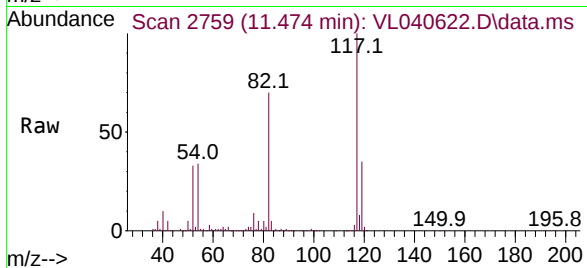
Tgt Ion: 91 Resp: 22457
Ion Ratio Lower Upper
91 100
92 0.0 49.1 73.7#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.474 min Scan# 2760
Delta R.T. -0.003 min
Lab File: VL040622.D
Acq: 10 Aug 2023 2:02

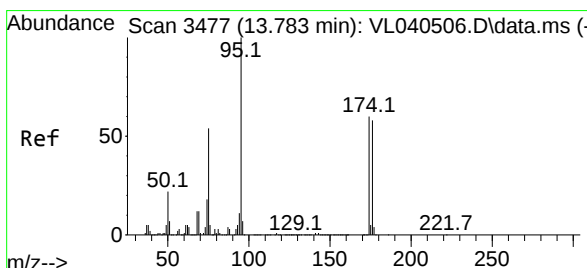
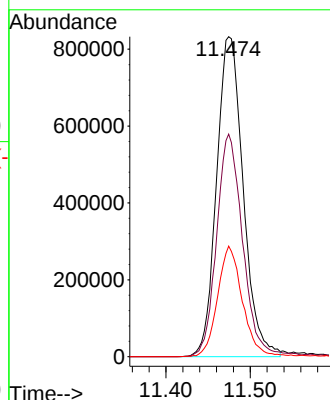
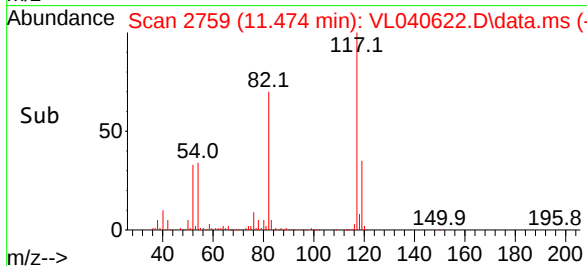
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 117 Resp: 1824390
Ion Ratio Lower Upper
117 100
82 69.2 50.2 75.4
119 32.6 26.9 40.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 10.569 ppbv
RT: 13.783 min Scan# 3477
Delta R.T. -0.000 min
Lab File: VL040622.D
Acq: 10 Aug 2023 2:02

Tgt Ion: 95 Resp: 1525986
Ion Ratio Lower Upper
95 100
174 59.6 50.6 75.8
175 4.1 3.7 5.5

