

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110823\
 Data File : VL040812.D
 Acq On : 8 Nov 2023 15:57
 Operator : SY/MD
 Sample : 05290-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2023
 Supervised By :Mahesh Dadoda 11/13/2023

Quant Time: Nov 09 00:30:34 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Thu Nov 09 00:25:02 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	1121423	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2821419	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2329111	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1678983	9.797	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.771	85	97091	0.492	ppbv	99
3) Chlorodifluoromethane	2.716	51	59641m	0.362	ppbv	
4) Chloromethane	2.854	50	37683	0.579	ppbv	96
9) Propene	2.742	41	90838m	1.484	ppbv	
10) Heptane	7.574	43	33595m	0.218	ppbv	
11) Trichlorofluoromethane	3.594	101	46729	0.307	ppbv	96
13) Ethanol	3.272	45	216326	15.655	ppbv	96
15) Acetone	3.500	43	541407m	4.670	ppbv	
19) Isopropyl Alcohol	3.613	45	343136	4.598	ppbv #	43
20) Methylene Chloride	3.960	84	253071	5.241	ppbv	98
26) Hexane	5.230	57	241537	2.081	ppbv #	45
30) Cyclohexane	6.610	84	12044m	0.122	ppbv	
34) 2-Butanone	4.809	43	80745	0.632	ppbv	93
35) Carbon Tetrachloride	6.500	117	12916m	0.082	ppbv	
36) Benzene	6.378	78	88556m	0.408	ppbv	
44) 2,2,4-Trimethylpentane	7.327	57	84931m	0.231	ppbv	
52) Tetrachloroethene	10.609	164	3583m	0.041	ppbv	
53) Toluene	9.214	91	296833	1.149	ppbv	98
58) Ethyl Benzene	12.082	91	52663m	0.180	ppbv	
59) m/p-Xylene	12.333	91	134188m	0.556	ppbv	
60) o-Xylene	13.053	91	50220m	0.218	ppbv	
61) Styrene	12.889	104	22572m	0.177	ppbv	
74) 1,2,4-Trimethylbenzene	16.104	105	33470m	0.129	ppbv	

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

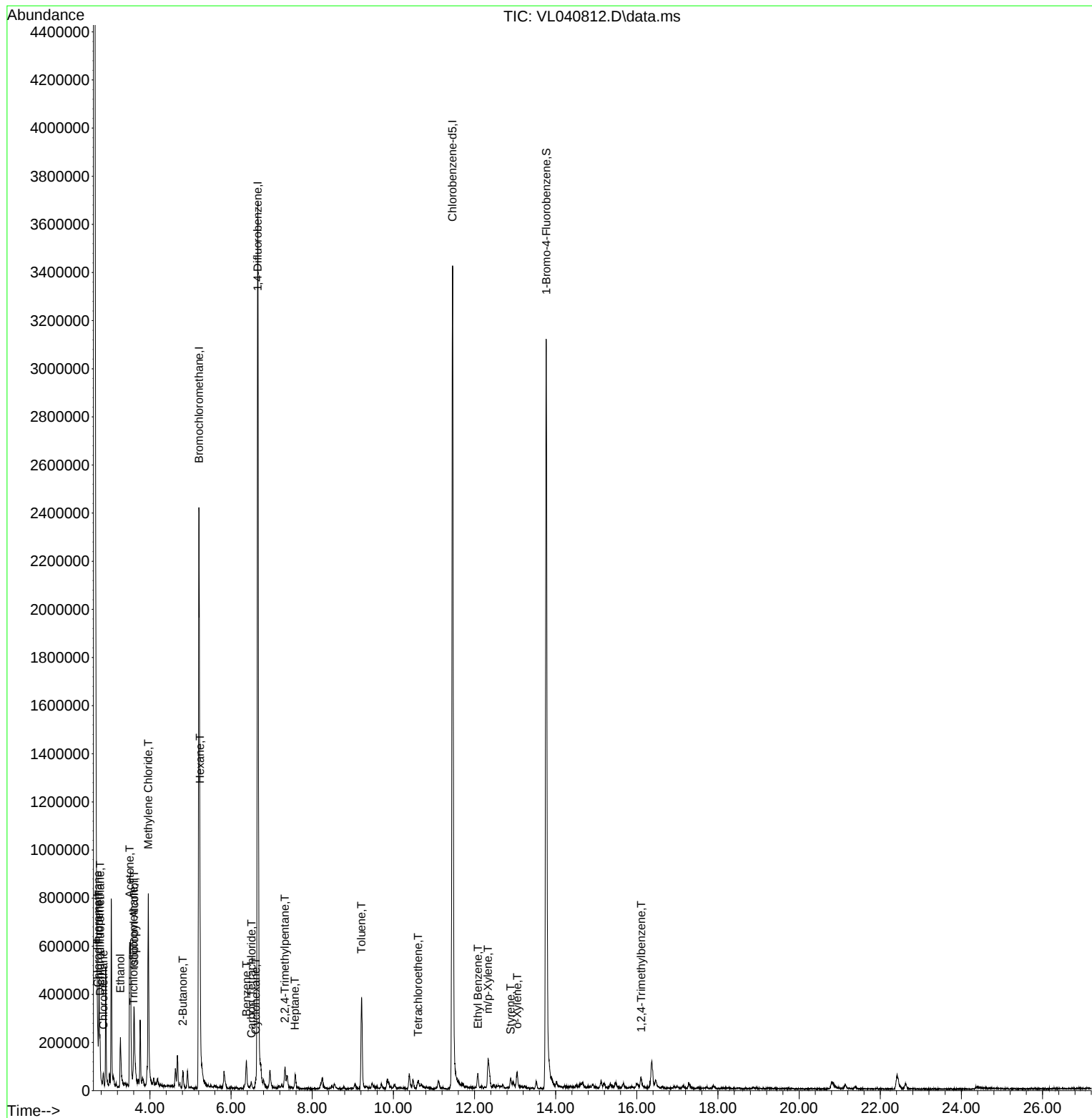
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110823\
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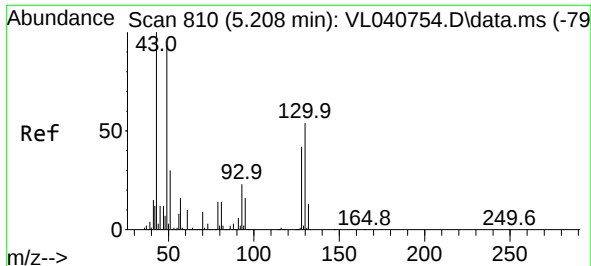
Instrument :
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Quant Time: Nov 09 00:30:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Nov 09 00:25:02 2023
Response via : Initial Calibration

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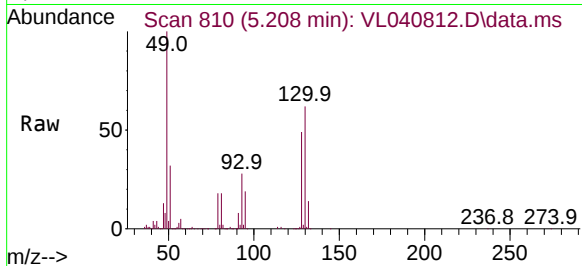
Reviewed By : Semsettin Yesilyurt 11/11/2023
Supervised By : Mahesh Dadoda 11/13/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.000 min
Lab File: VL040812.D
Acq: 8 Nov 2023 15:57

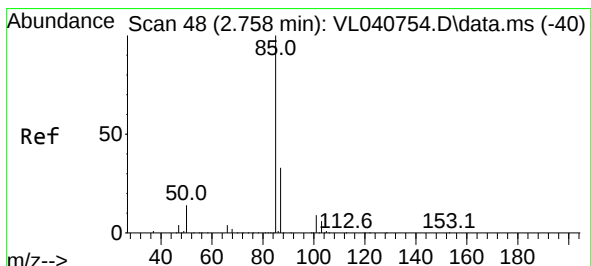
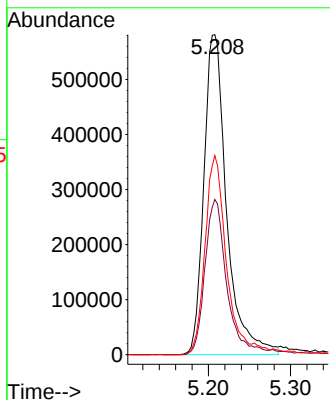
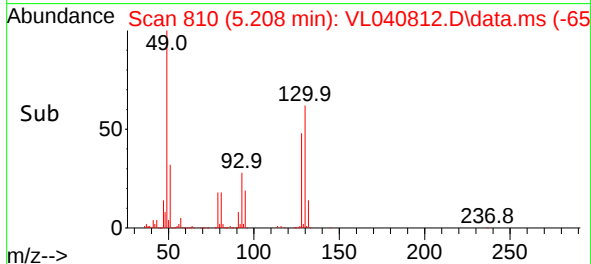
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 49 Resp: 112142
Ion Ratio Lower Upper
49 100
128 48.2 23.9 71.7
130 61.3 30.7 92.1

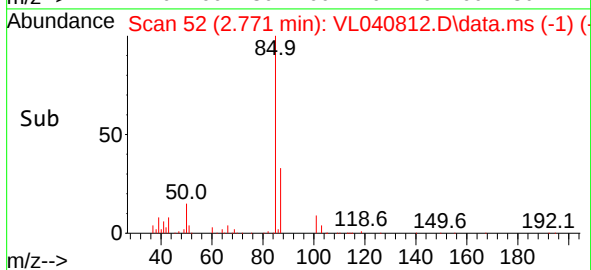
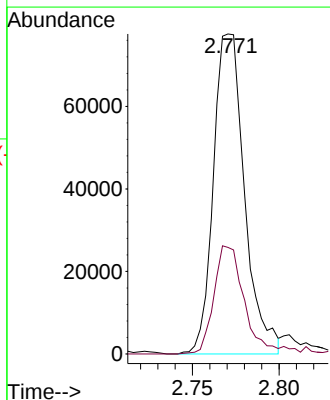
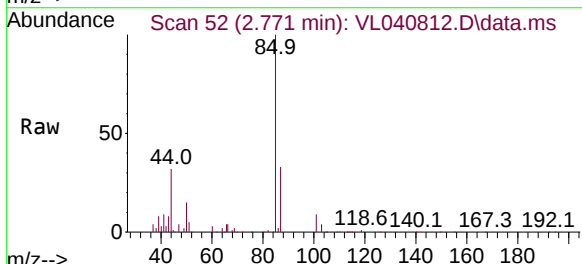
Manual Integrations
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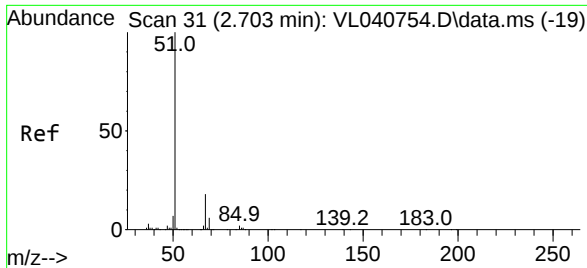
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#2
Dichlorodifluoromethane
Concen: 0.492 ppbv
RT: 2.771 min Scan# 52
Delta R.T. 0.000 min
Lab File: VL040812.D
Acq: 8 Nov 2023 15:57

Tgt Ion: 85 Resp: 97091
Ion Ratio Lower Upper
85 100
87 33.3 26.0 39.0





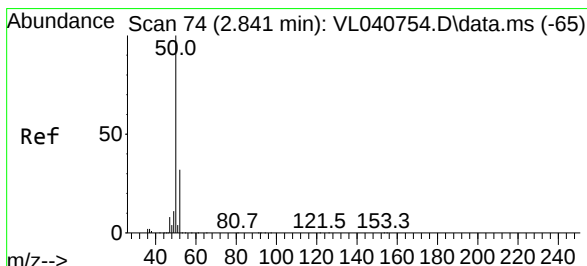
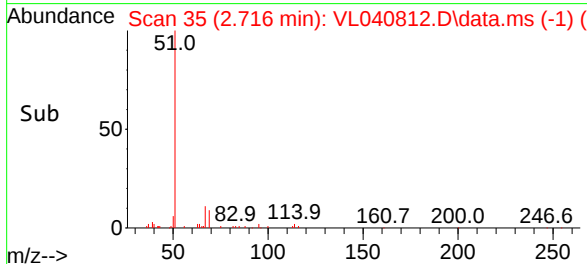
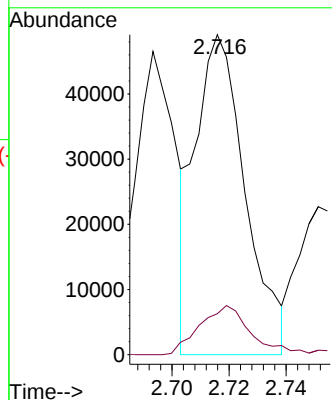
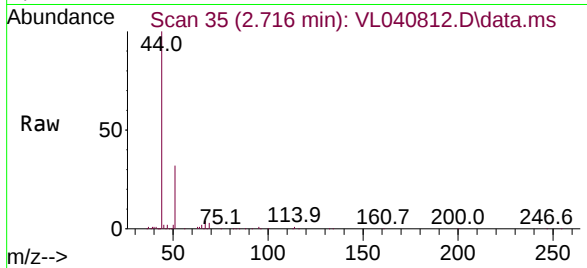
#3
Chlorodifluoromethane
Concen: 0.362 ppbv m
RT: 2.716 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040812.D
Acq: 8 Nov 2023 15:57

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 5964
Ion Ratio Lower Upper
51 100
67 16.6 13.8 20.6

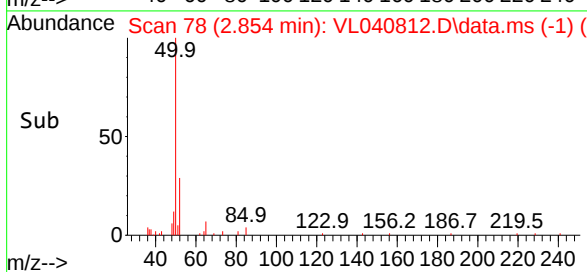
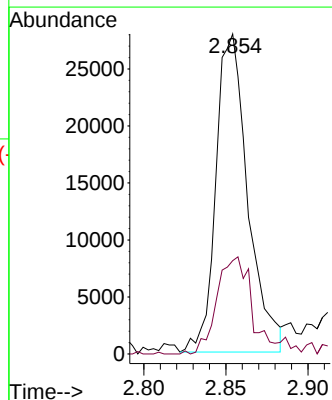
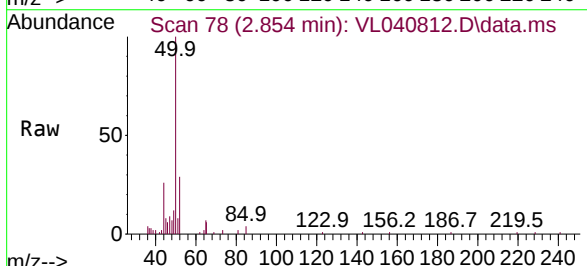
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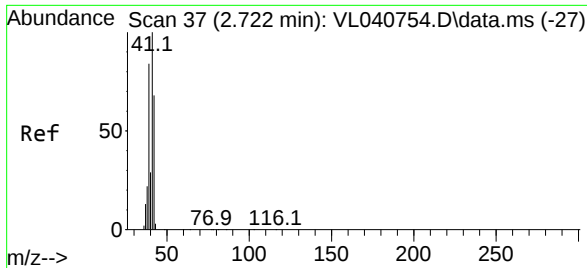
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#4
Chloromethane
Concen: 0.579 ppbv
RT: 2.854 min Scan# 78
Delta R.T. 0.000 min
Lab File: VL040812.D
Acq: 8 Nov 2023 15:57

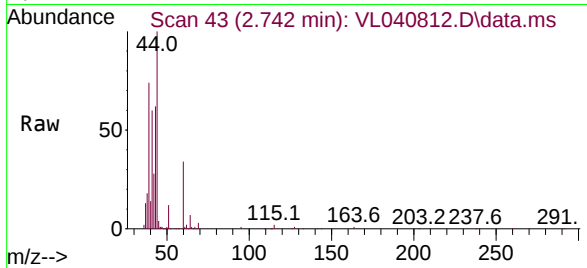
Tgt Ion: 50 Resp: 37683
Ion Ratio Lower Upper
50 100
52 29.3 25.3 37.9





#9
Propene
Concen: 1.484 ppbv m
RT: 2.742 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040812.D
Acq: 8 Nov 2023 15:57

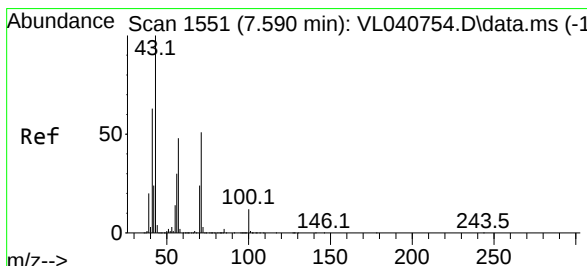
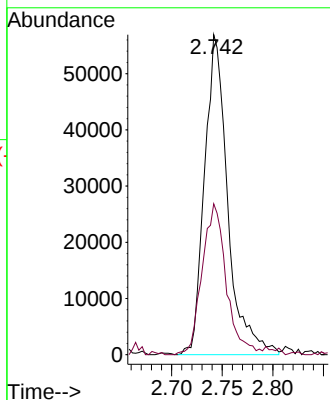
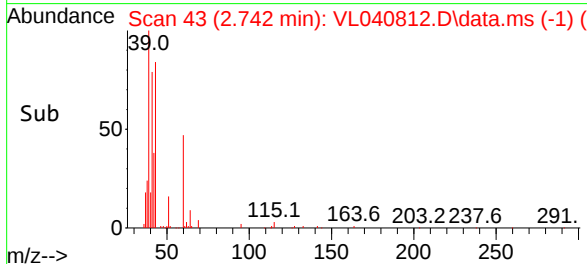
Instrument :
MSVOA_L
ClientSampleId :
OA1



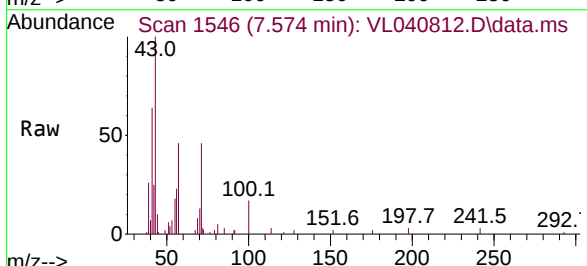
Tgt Ion: 41 Resp: 90838
Ion Ratio Lower Upper
41 100
42 96.1 57.1 85.7

Manual Integrations
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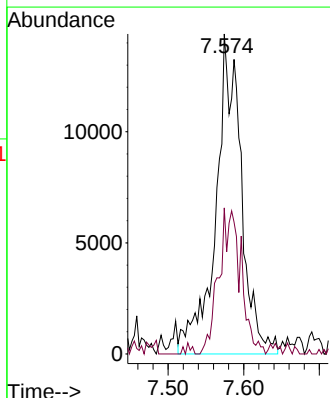
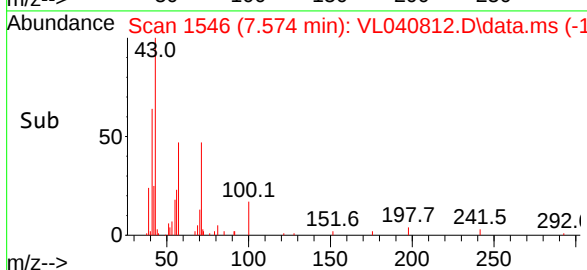
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023

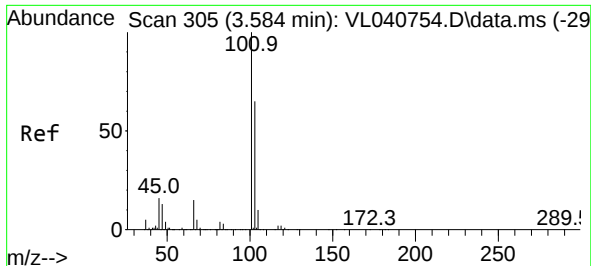


#10
Heptane
Concen: 0.218 ppbv m
RT: 7.574 min Scan# 1546
Delta R.T. -0.013 min
Lab File: VL040812.D
Acq: 8 Nov 2023 15:57



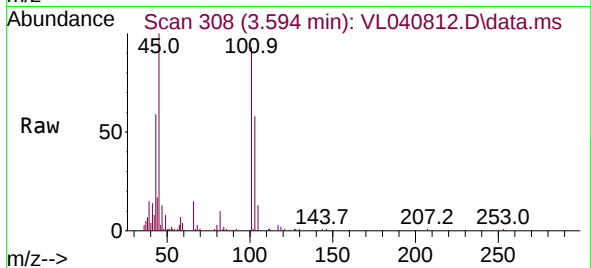
Tgt Ion: 43 Resp: 33595
Ion Ratio Lower Upper
43 100
57 0.0 40.0 60.0





#11
Trichlorofluoromethane
Concen: 0.307 ppbv
RT: 3.594 min Scan# 305
Delta R.T. 0.000 min
Lab File: VL040812.D
Acq: 8 Nov 2023 15:57

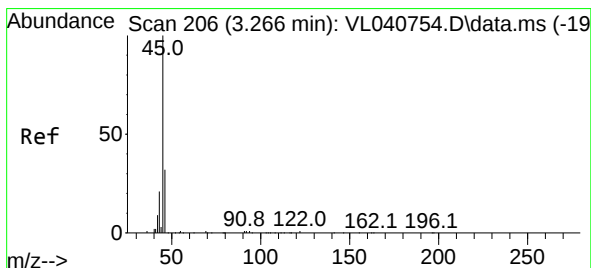
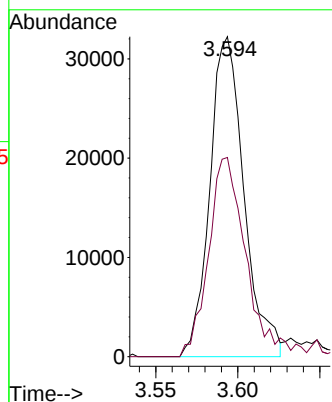
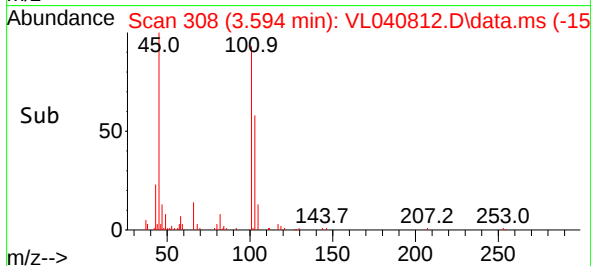
Instrument :
MSVOA_L
ClientSampleId :
OA1



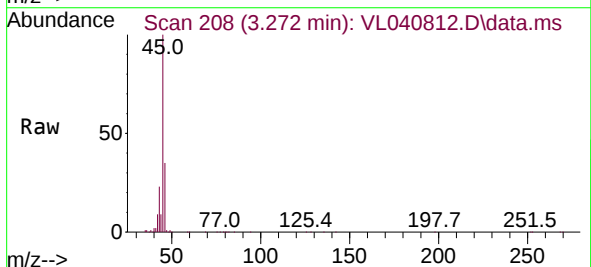
Tgt Ion:101 Resp: 46729
Ion Ratio Lower Upper
101 100
103 62.2 52.2 78.2

Manual Integrations
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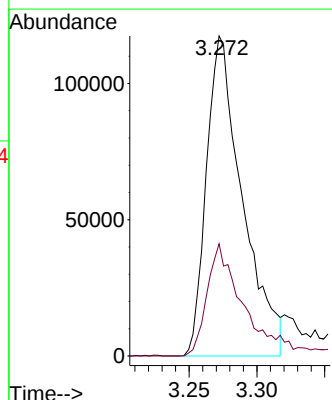
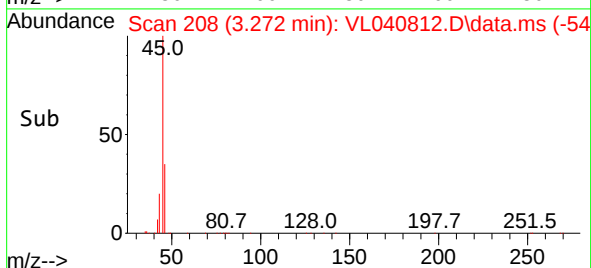
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023

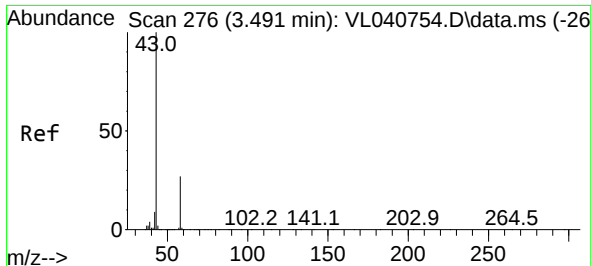


#13
Ethanol
Concen: 15.655 ppbv
RT: 3.272 min Scan# 208
Delta R.T. -0.006 min
Lab File: VL040812.D
Acq: 8 Nov 2023 15:57



Tgt Ion: 45 Resp: 216326
Ion Ratio Lower Upper
45 100
46 38.8 14.6 58.2





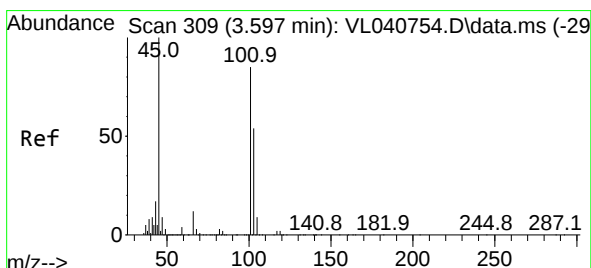
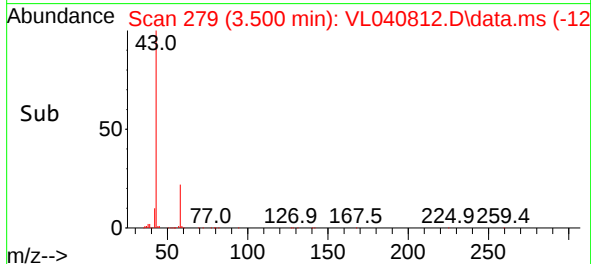
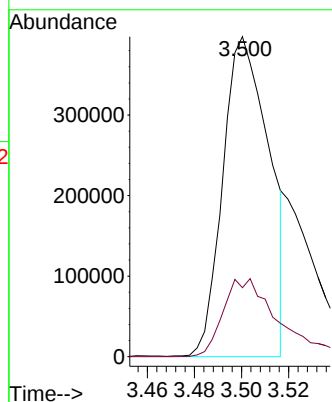
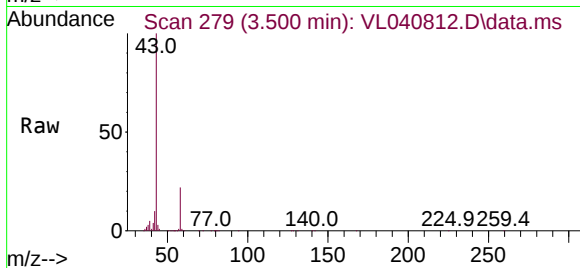
#15
Acetone
Concen: 4.670 ppbv m
RT: 3.500 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040812.D
Acq: 8 Nov 2023 15:57

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 54140
Ion Ratio Lower Upper
43 100
58 31.4 21.6 32.4

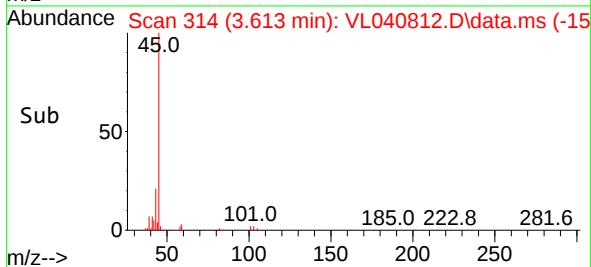
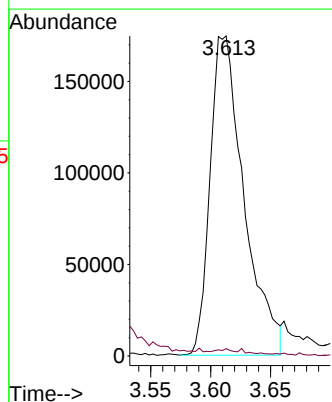
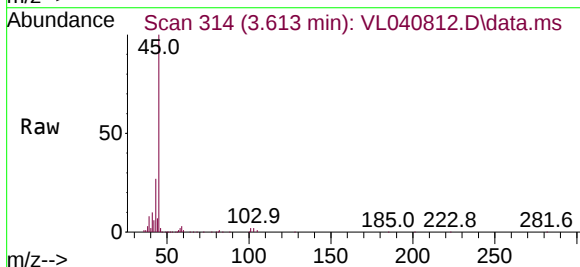
Manual Integrations
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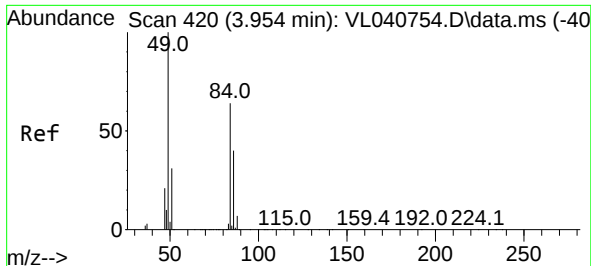
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#19
Isopropyl Alcohol
Concen: 4.598 ppbv
RT: 3.613 min Scan# 314
Delta R.T. 0.006 min
Lab File: VL040812.D
Acq: 8 Nov 2023 15:57

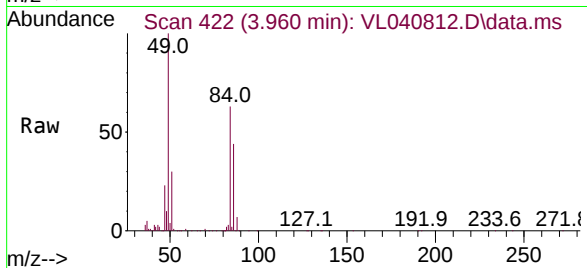
Tgt Ion: 45 Resp: 343136
Ion Ratio Lower Upper
45 100
58 3.5 30.3 45.5#





#20
Methylene Chloride
Concen: 5.241 ppbv
RT: 3.960 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL040812.D
Acq: 8 Nov 2023 15:57

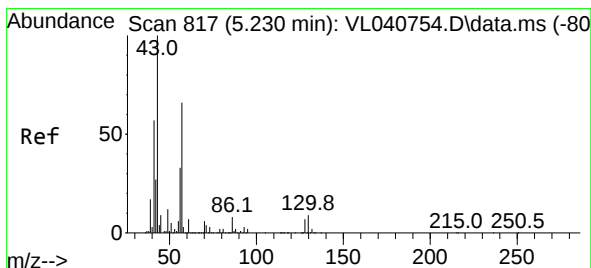
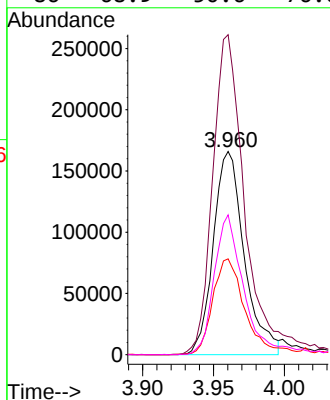
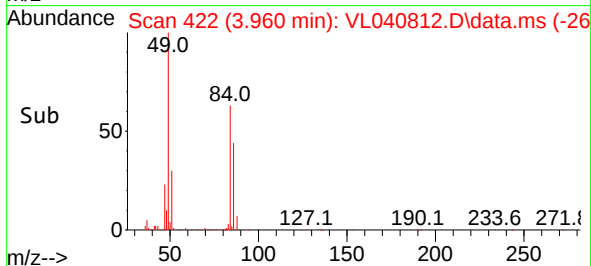
Instrument :
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ClientSampleId :
OA1



Tgt Ion: 84 Resp: 25307
Ion Ratio Lower Upper
84 100
49 157.3 125.6 188.4
51 47.0 38.9 58.3
86 68.9 50.6 76.0

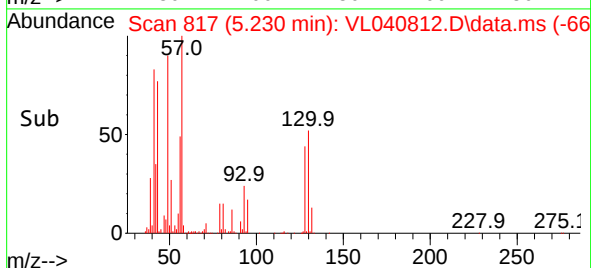
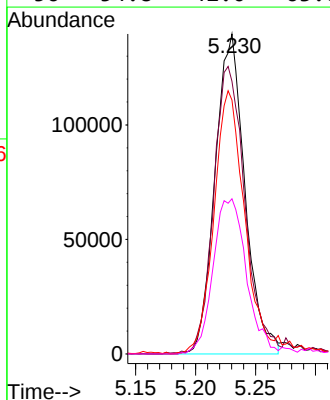
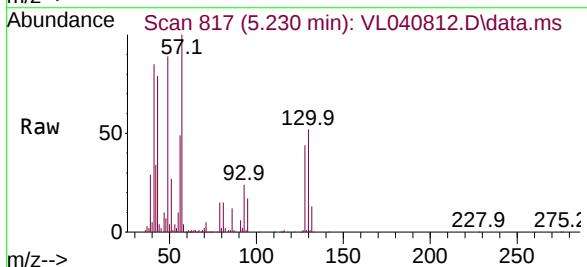
Manual Integrations
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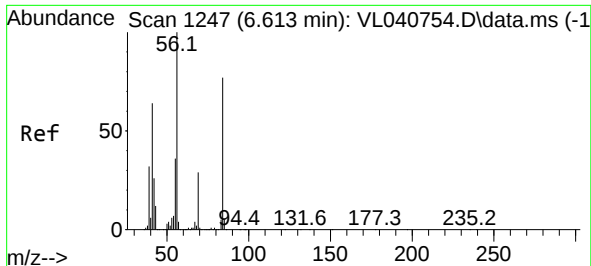
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#26
Hexane
Concen: 2.081 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.003 min
Lab File: VL040812.D
Acq: 8 Nov 2023 15:57

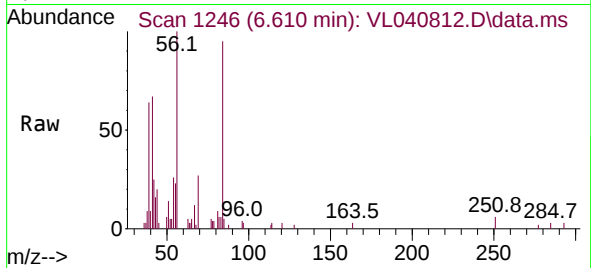
Tgt Ion: 57 Resp: 241537
Ion Ratio Lower Upper
57 100
41 98.2 71.4 107.2
43 87.9 182.3 273.5#
56 54.8 42.0 63.0





#30
Cyclohexane
Concen: 0.122 ppbv m
RT: 6.610 min Scan# 1244
Delta R.T. 0.000 min
Lab File: VL040812.D
Acq: 8 Nov 2023 15:57

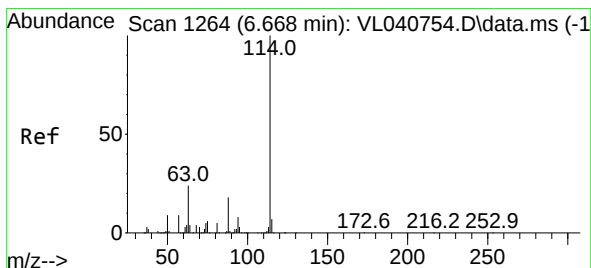
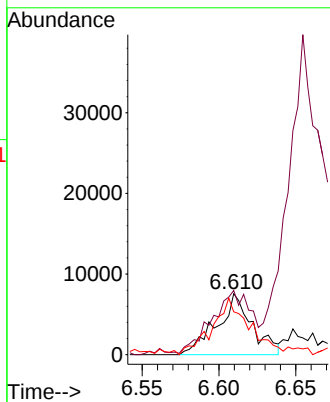
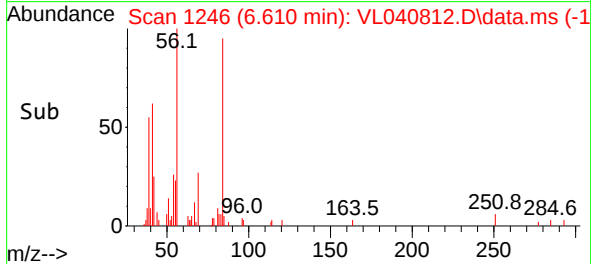
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 84 Resp: 12044
Ion Ratio Lower Upper
84 100
56 129.8 110.3 165.5
41 103.4 67.4 101.2

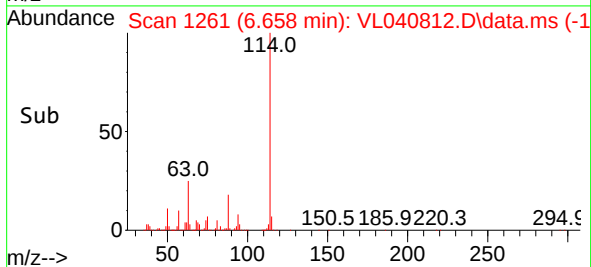
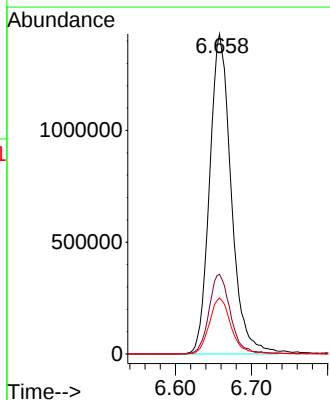
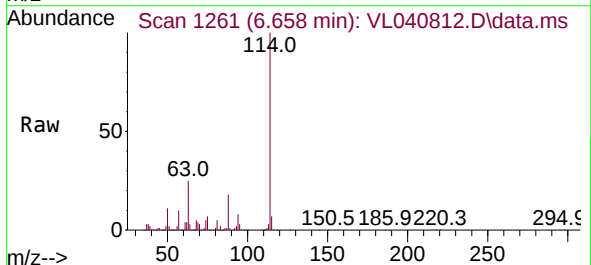
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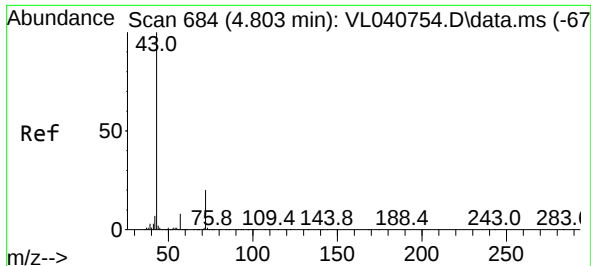
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. -0.006 min
Lab File: VL040812.D
Acq: 8 Nov 2023 15:57

Tgt Ion:114 Resp: 2821419
Ion Ratio Lower Upper
114 100
63 25.1 19.8 29.6
88 17.7 14.2 21.2





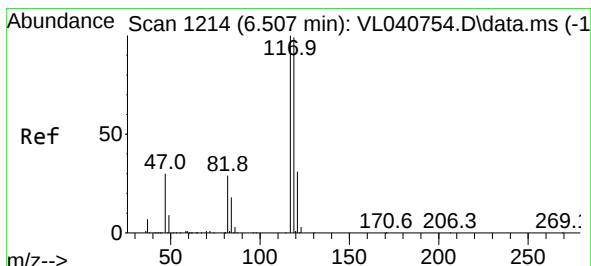
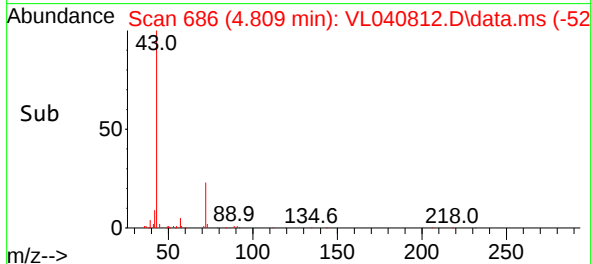
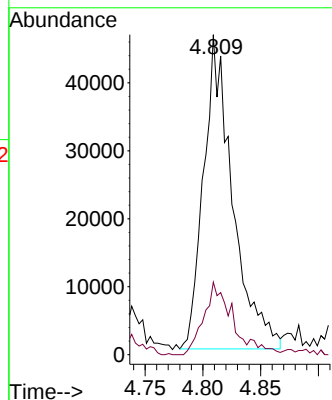
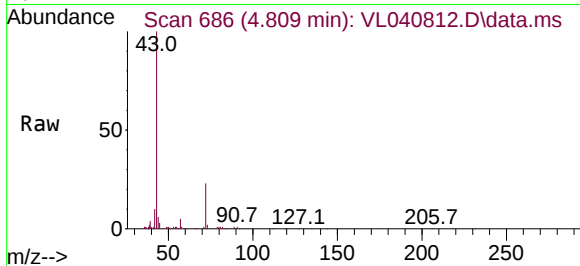
#34
2-Butanone
Concen: 0.632 ppbv
RT: 4.809 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL040812.D
Acq: 8 Nov 2023 15:57

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 8074
Ion Ratio Lower Upper
43 100
72 24.5 16.8 25.2

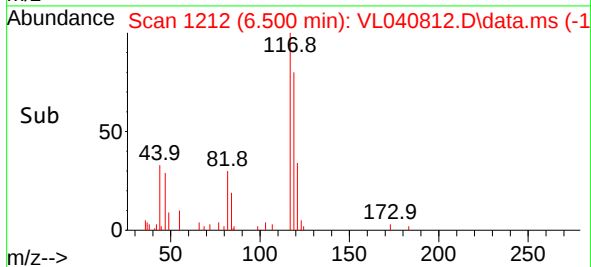
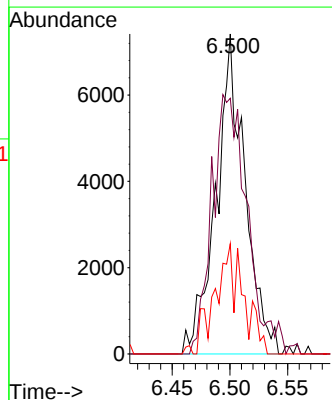
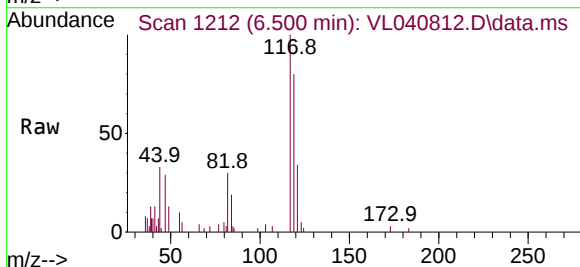
Manual Integrations
APPROVED

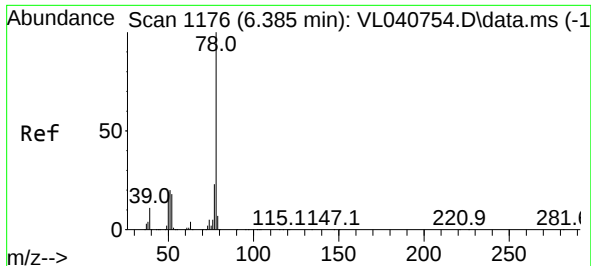
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#35
Carbon Tetrachloride
Concen: 0.082 ppbv m
RT: 6.500 min Scan# 1212
Delta R.T. -0.006 min
Lab File: VL040812.D
Acq: 8 Nov 2023 15:57

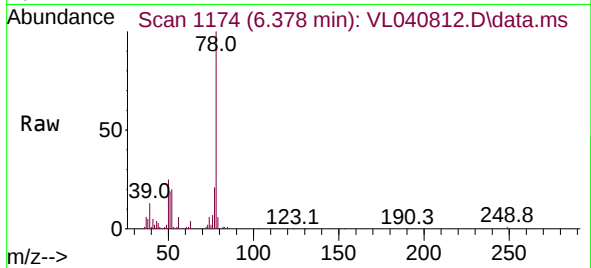
Tgt Ion:117 Resp: 12916
Ion Ratio Lower Upper
117 100
119 79.9 79.4 119.0
121 34.5 25.0 37.4





#36
Benzene
Concen: 0.408 ppbv m
RT: 6.378 min Scan# 1176
Delta R.T. -0.003 min
Lab File: VL040812.D
Acq: 8 Nov 2023 15:57

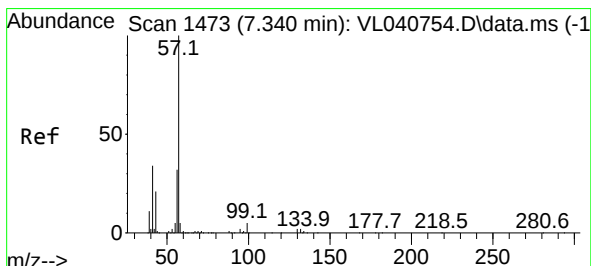
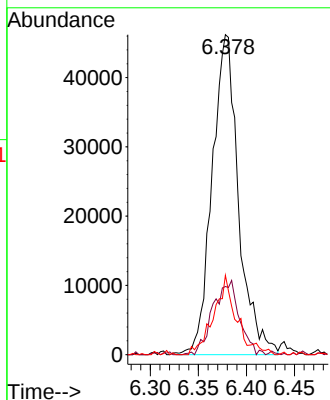
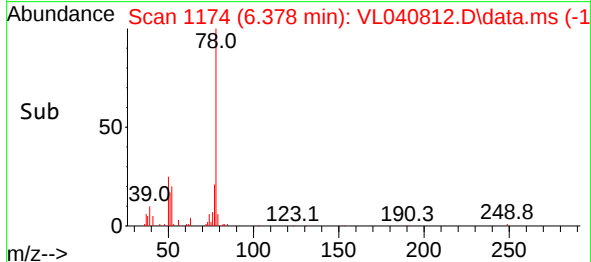
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 78 Resp: 88550
Ion Ratio Lower Upper
78 100
77 21.3 18.4 27.6
50 24.8 15.0 22.4

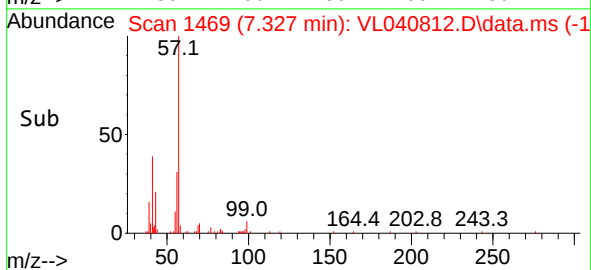
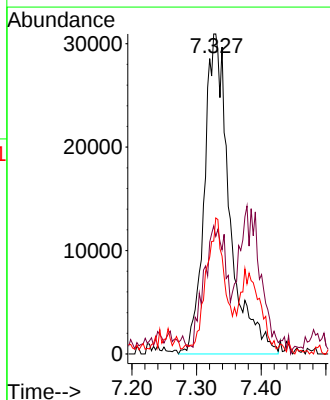
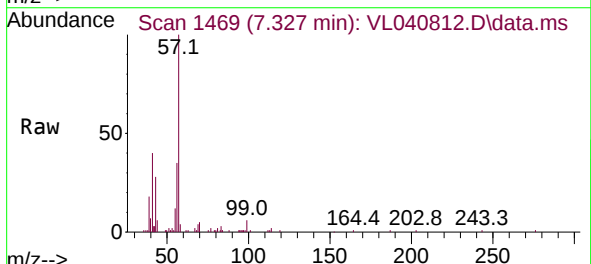
Manual Integrations
APPROVED

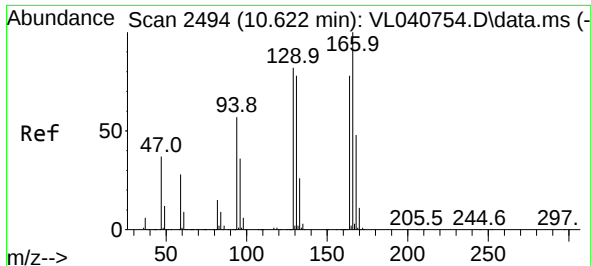
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#44
2,2,4-Trimethylpentane
Concen: 0.231 ppbv m
RT: 7.327 min Scan# 1469
Delta R.T. -0.006 min
Lab File: VL040812.D
Acq: 8 Nov 2023 15:57

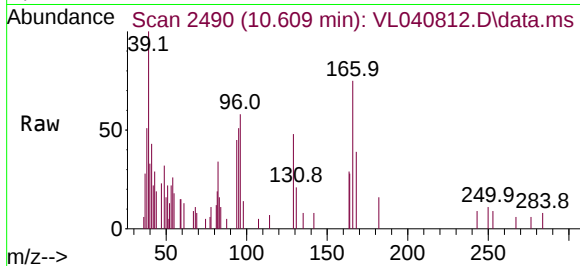
Tgt Ion: 57 Resp: 84931
Ion Ratio Lower Upper
57 100
41 37.8 27.4 41.0
56 31.8 25.0 37.6





#52
Tetrachloroethene
Concen: 0.041 ppbv m
RT: 10.609 min Scan# 2490
Delta R.T. -0.003 min
Lab File: VL040812.D
Acq: 8 Nov 2023 15:57

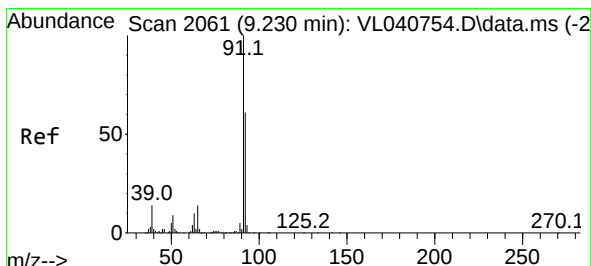
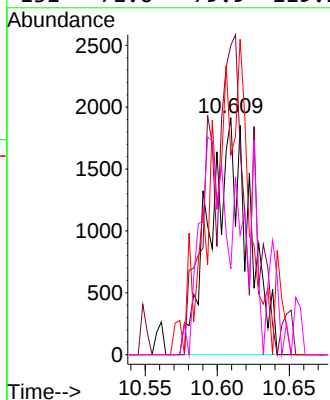
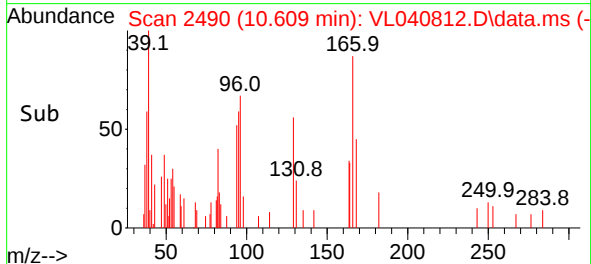
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion:164 Resp: 358
Ion Ratio Lower Upper
164 100
166 258.4 102.4 153.6
129 166.7 84.2 126.4
131 71.6 79.9 119.9

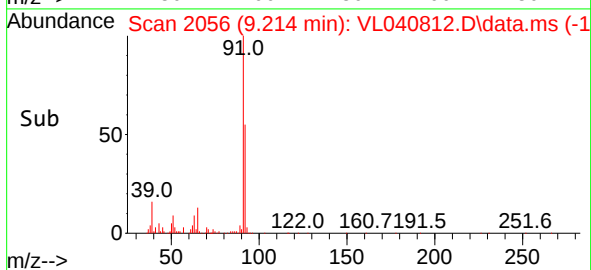
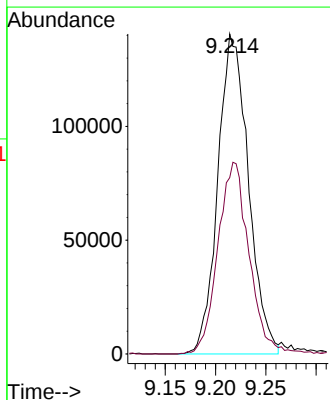
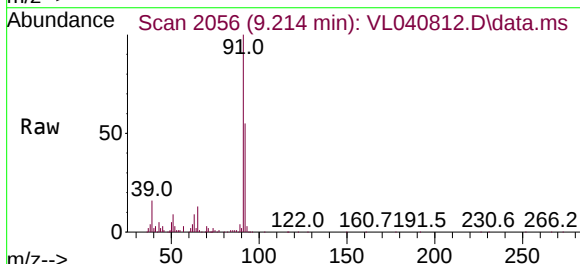
Manual Integrations
APPROVED

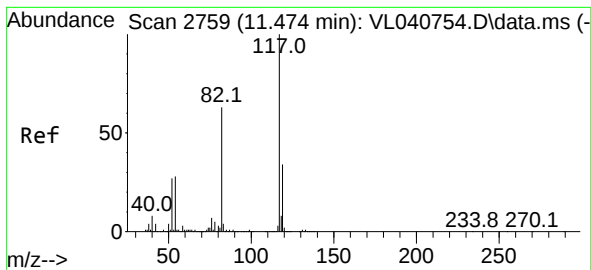
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#53
Toluene
Concen: 1.149 ppbv
RT: 9.214 min Scan# 2056
Delta R.T. -0.006 min
Lab File: VL040812.D
Acq: 8 Nov 2023 15:57

Tgt Ion: 91 Resp: 296833
Ion Ratio Lower Upper
91 100
92 61.5 50.2 75.2





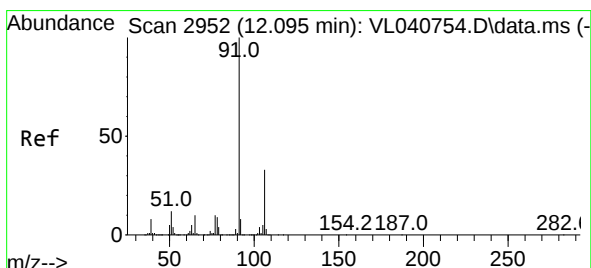
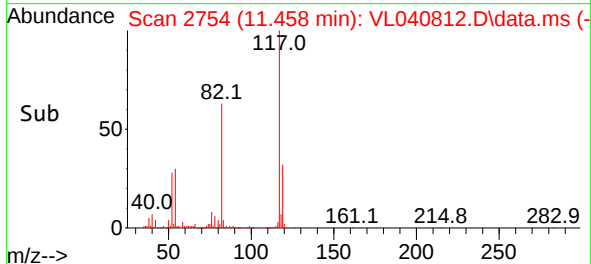
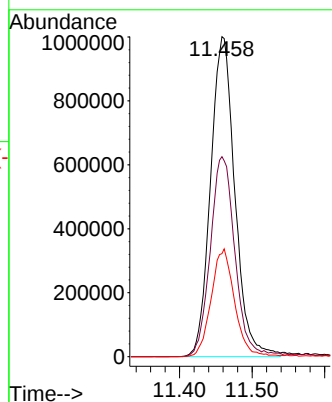
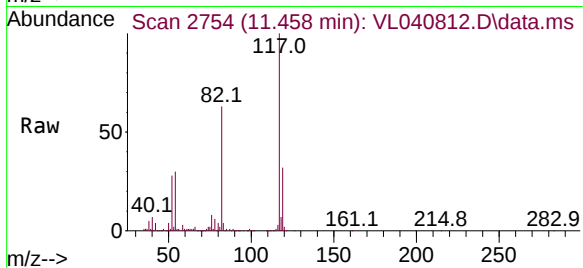
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 211
Delta R.T. -0.003 min
Lab File: VL040812.D
Acq: 8 Nov 2023 15:57

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:117 Resp: 232911
Ion Ratio Lower Upper
117 100
82 64.6 46.6 70.0
119 33.0 26.0 39.0

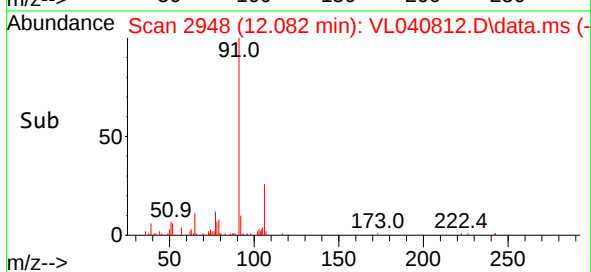
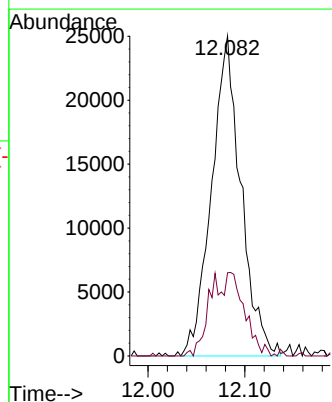
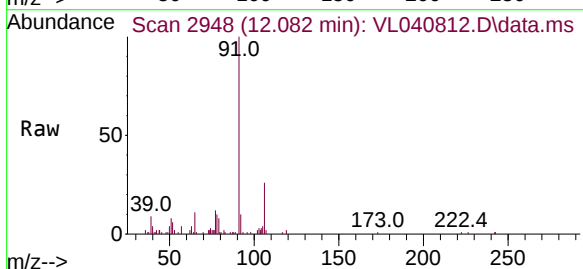
Manual Integrations
APPROVED

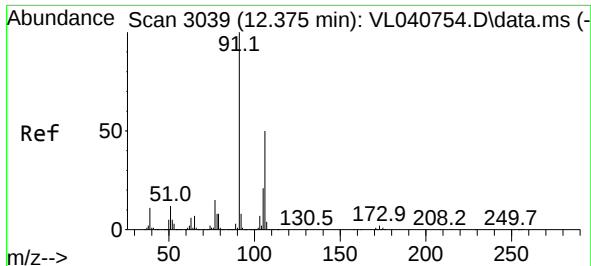
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#58
Ethyl Benzene
Concen: 0.180 ppbv m
RT: 12.082 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VL040812.D
Acq: 8 Nov 2023 15:57

Tgt Ion: 91 Resp: 52663
Ion Ratio Lower Upper
91 100
106 26.0 26.7 40.1#





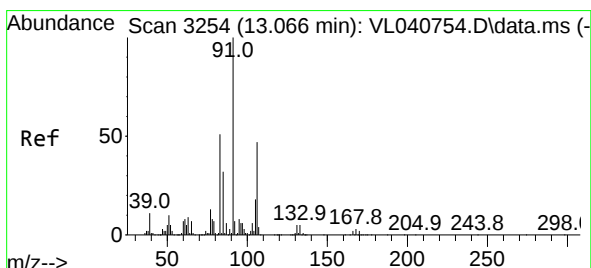
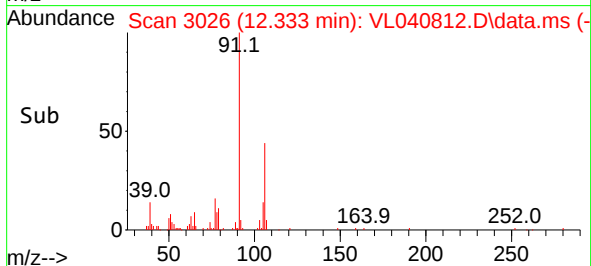
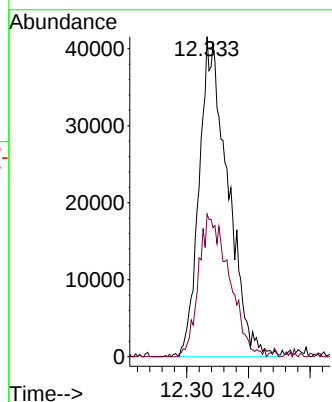
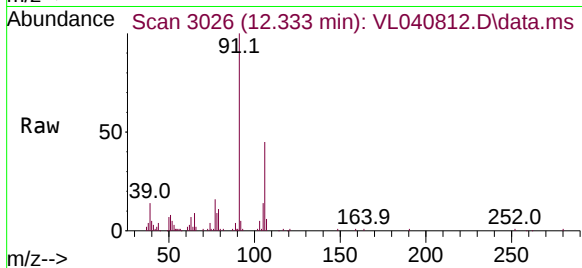
#59
m/p-Xylene
Concen: 0.556 ppbv m
RT: 12.333 min Scan# 3039
Delta R.T. -0.035 min
Lab File: VL040812.D
Acq: 8 Nov 2023 15:57

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 13418
Ion Ratio Lower Upper
91 100
106 0.0 37.7 56.5

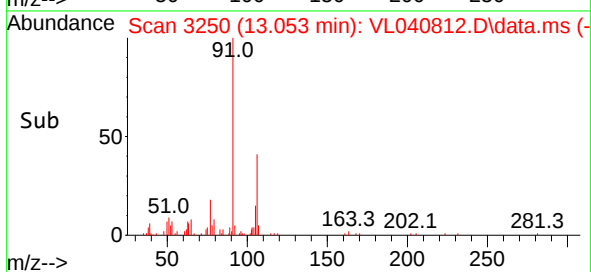
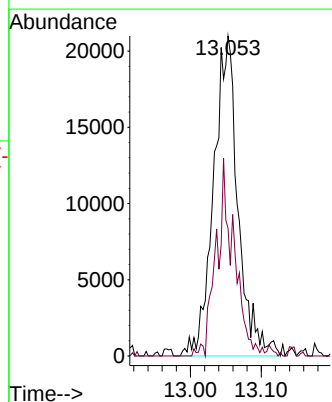
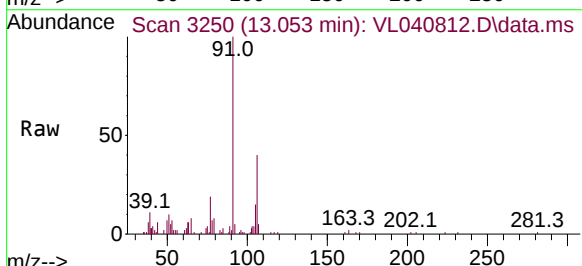
Manual Integrations
APPROVED

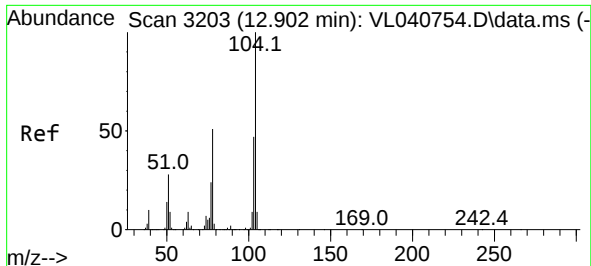
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#60
o-Xylene
Concen: 0.218 ppbv m
RT: 13.053 min Scan# 3250
Delta R.T. 0.000 min
Lab File: VL040812.D
Acq: 8 Nov 2023 15:57

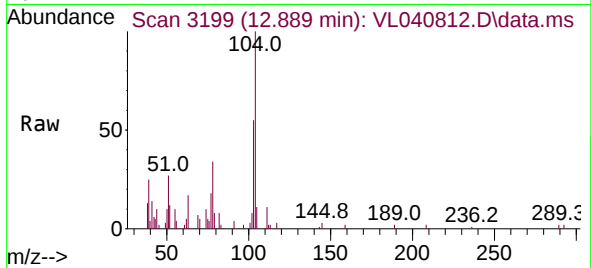
Tgt Ion: 91 Resp: 50220
Ion Ratio Lower Upper
91 100
106 0.0 23.5 70.5





#61
Styrene
Concen: 0.177 ppbv m
RT: 12.889 min Scan# 3199
Delta R.T. -0.003 min
Lab File: VL040812.D
Acq: 8 Nov 2023 15:57

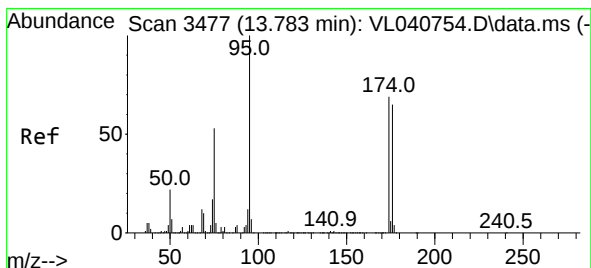
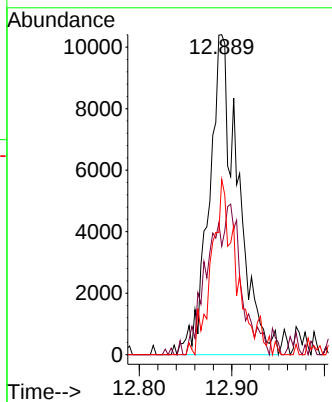
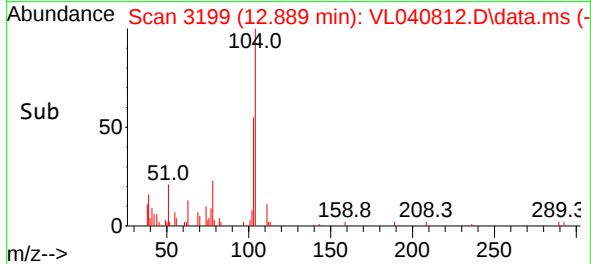
Instrument :
MSVOA_L
ClientSampleId :
OA1



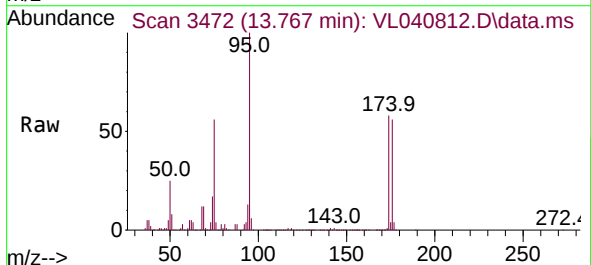
Tgt Ion:104 Resp: 22572
Ion Ratio Lower Upper
104 100
78 0.0 39.8 59.6
103 48.1 37.5 56.3

Manual Integrations
APPROVED

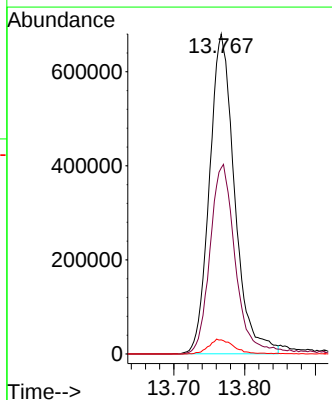
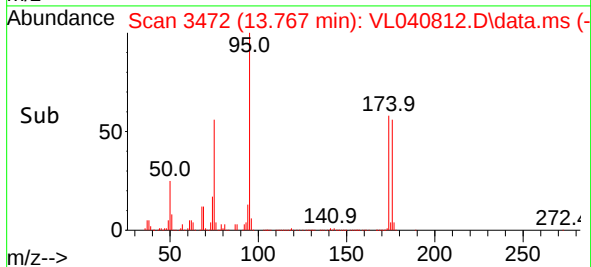
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023

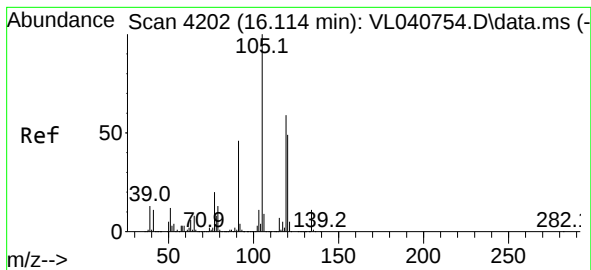


#68
1-Bromo-4-Fluorobenzene
Concen: 9.797 ppbv
RT: 13.767 min Scan# 3472
Delta R.T. -0.003 min
Lab File: VL040812.D
Acq: 8 Nov 2023 15:57



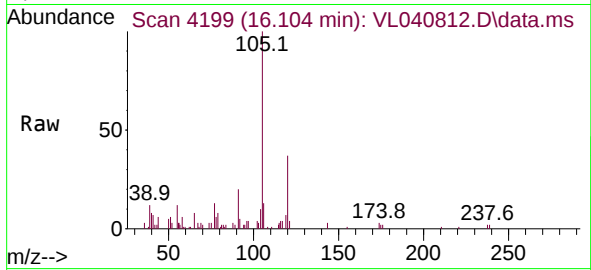
Tgt Ion: 95 Resp: 1678983
Ion Ratio Lower Upper
95 100
174 60.6 54.7 82.1
175 4.7 4.2 6.4





#74
 1,2,4-Trimethylbenzene
 Concen: 0.129 ppbv m
 RT: 16.104 min Scan# 4199
 Delta R.T. 0.003 min
 Lab File: VL040812.D
 Acq: 8 Nov 2023 15:57

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion:	105	Resp:	33470
Ion	Ratio	Lower	Upper
105	100		
120	37.4	39.4	59.2
91	19.5	38.6	58.0
77	13.0	16.6	25.0

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2023
 Supervised By :Mahesh Dadoda 11/13/2023

