

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011923\
 Data File : VL040114.D
 Acq On : 19 Jan 2023 15:36
 Operator : SY/MD
 Sample : 01223-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-2DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023

Quant Time: Jan 20 04:24:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Mon Jan 16 14:40:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1106597	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2845951	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2603598	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.789	95	2184031	10.093	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.900%
Target Compounds						Qvalue
10) Heptane	7.593	43	45975m	0.362	ppbv	
13) Ethanol	3.240	45	187148m	36.871	ppbv	
15) Acetone	3.459	43	1916816m	14.443	ppbv	
25) Ethyl Acetate	5.208	43	137249m	0.587	ppbv	
30) Cyclohexane	6.610	84	221260	2.720	ppbv	96
34) 2-Butanone	4.787	43	852594	6.334	ppbv	99
36) Benzene	6.378	78	49589	0.235	ppbv	93
41) Tetrahydrofuran	5.571	42	155934	2.007	ppbv	97
44) 2,2,4-Trimethylpentane	7.336	57	4441312	12.681	ppbv #	76
52) Tetrachloroethene	10.629	164	7381m	0.107	ppbv	
53) Toluene	9.230	91	226004	1.006	ppbv	99
58) Ethyl Benzene	12.101	91	101876m	0.351	ppbv	
59) m/p-Xylene	12.355	91	228782m	0.876	ppbv	
60) o-Xylene	13.072	91	96976m	0.391	ppbv	
74) 1,2,4-Trimethylbenzene	16.120	105	76065m	0.277	ppbv	

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

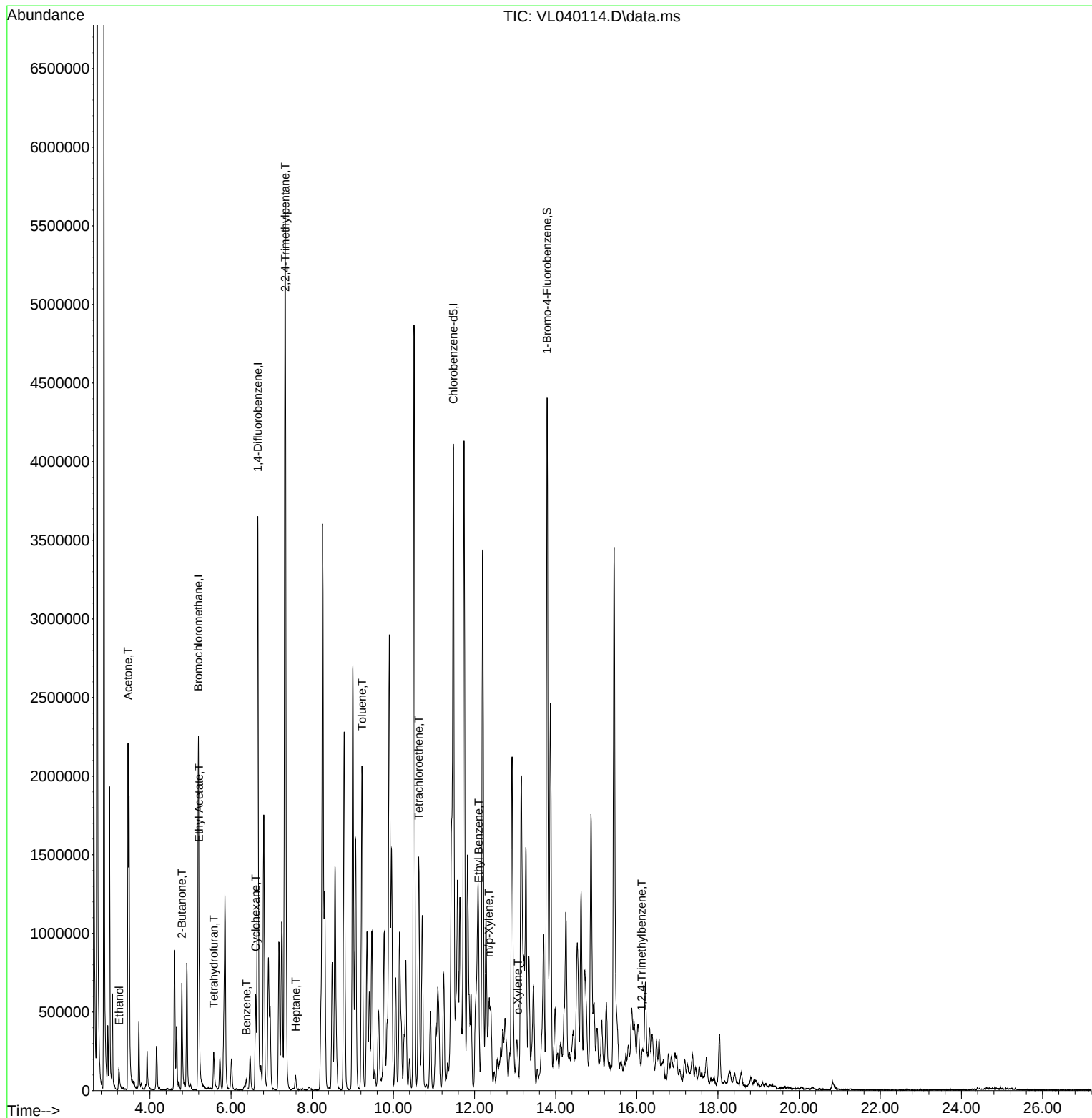
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011923\
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Quant Time: Jan 20 04:24:41 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Jan 16 14:40:47 2023
Response via : Initial Calibration

Manual Integrations
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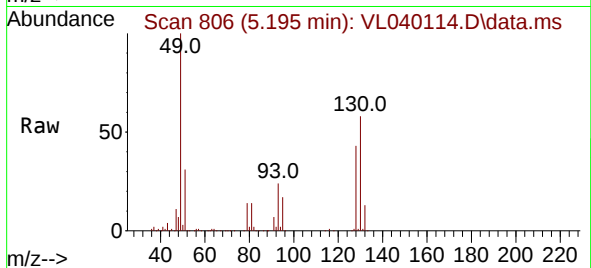
Reviewed By : Semsettin Yesilyurt 01/20/2023
Supervised By : Mahesh Dadoda 01/20/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 803
Delta R.T. 0.010 min
Lab File: VL040114.D
Acq: 19 Jan 2023 15:36

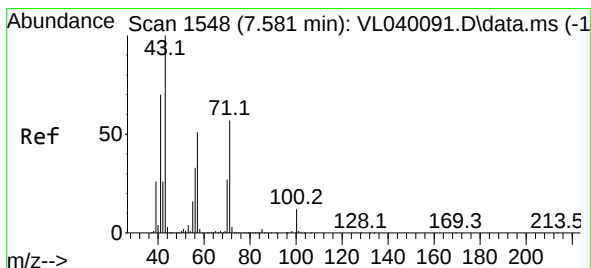
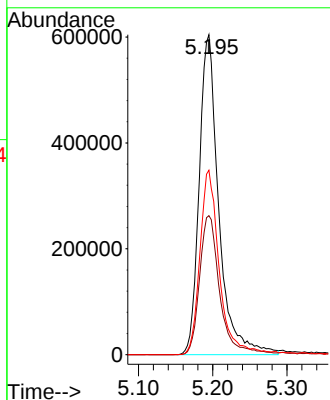
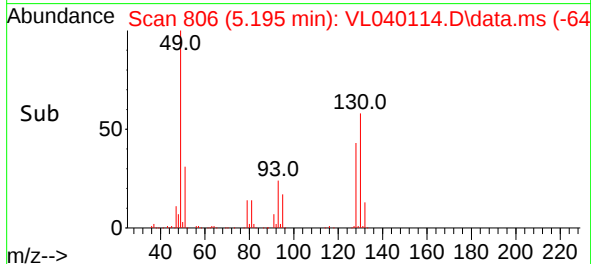
Instrument :
MSVOA_L
ClientSampleId :
VP-2DL



Tgt Ion: 49 Resp: 110659
Ion Ratio Lower Upper
49 100
128 45.7 23.6 71.0
130 58.4 29.8 89.3

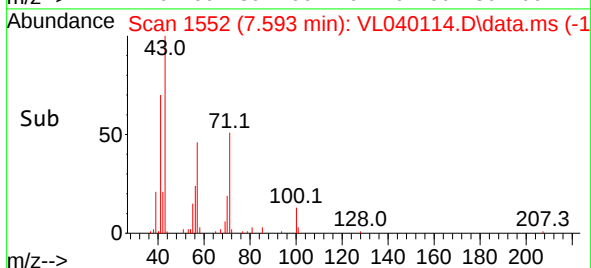
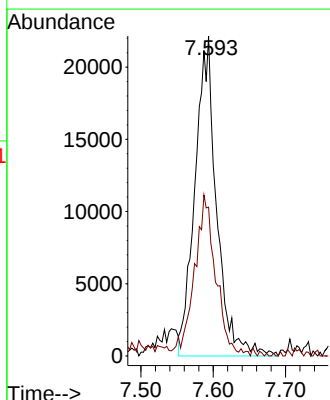
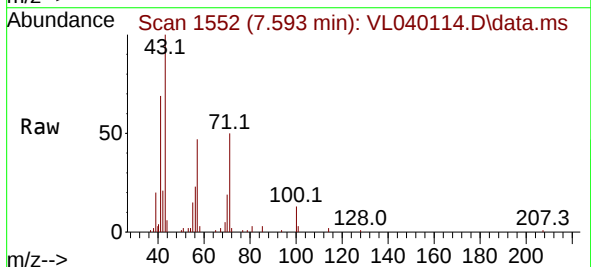
Manual Integrations
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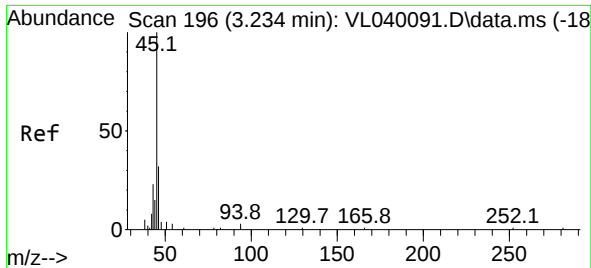
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#10
Heptane
Concen: 0.362 ppbv m
RT: 7.593 min Scan# 1552
Delta R.T. 0.013 min
Lab File: VL040114.D
Acq: 19 Jan 2023 15:36

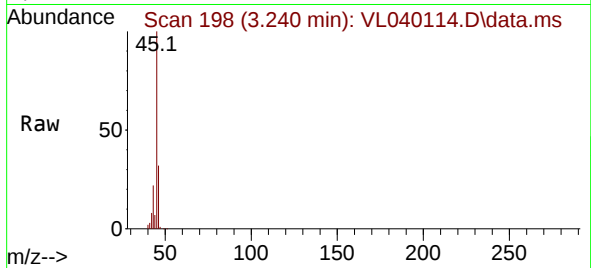
Tgt Ion: 43 Resp: 45975
Ion Ratio Lower Upper
43 100
57 0.0 40.9 61.3#





#13
Ethanol
Concen: 36.871 ppbv m
RT: 3.240 min Scan# 198
Delta R.T. 0.006 min
Lab File: VL040114.D
Acq: 19 Jan 2023 15:36

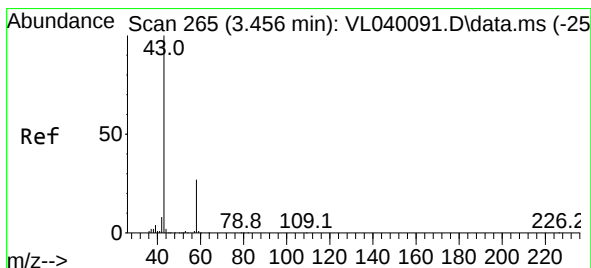
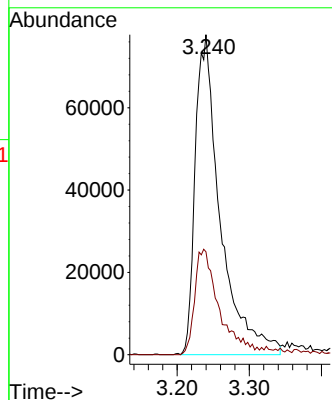
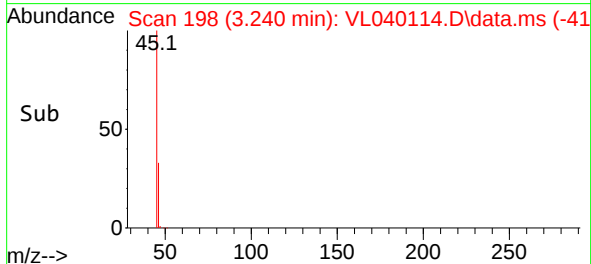
Instrument :
MSVOA_L
ClientSampleId :
VP-2DL



Tgt Ion: 45 Resp: 187148
Ion Ratio Lower Upper
45 100
46 33.9 14.8 59.2

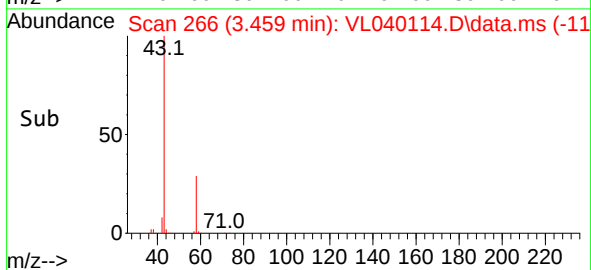
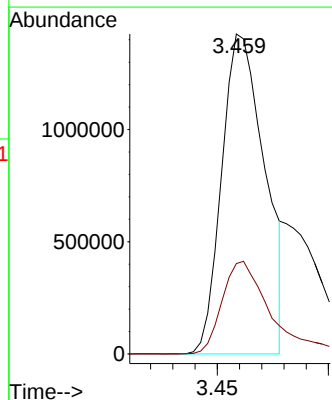
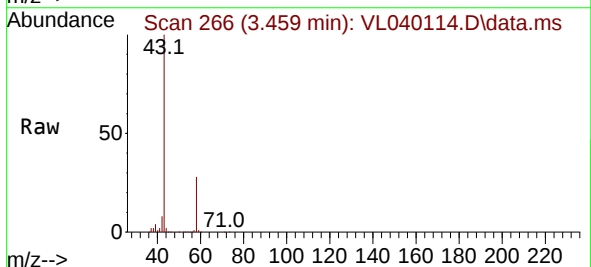
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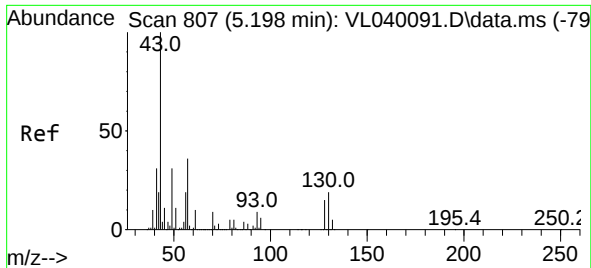
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#15
Acetone
Concen: 14.443 ppbv m
RT: 3.459 min Scan# 266
Delta R.T. 0.003 min
Lab File: VL040114.D
Acq: 19 Jan 2023 15:36

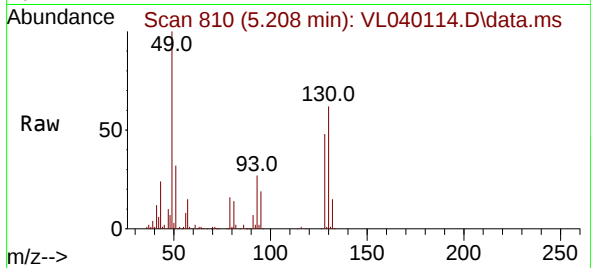
Tgt Ion: 43 Resp: 1916816
Ion Ratio Lower Upper
43 100
58 35.2 21.8 32.8#





#25
Ethyl Acetate
Concen: 0.587 ppbv m
RT: 5.208 min Scan# 810
Delta R.T. 0.009 min
Lab File: VL040114.D
Acq: 19 Jan 2023 15:36

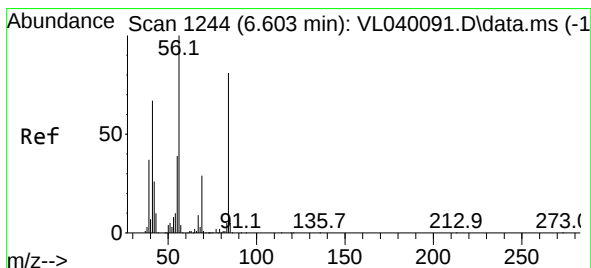
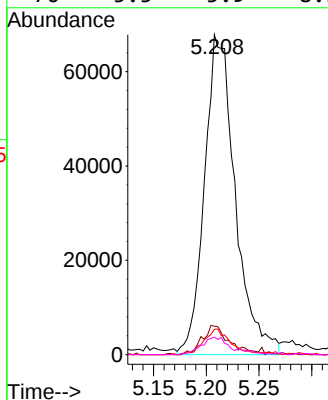
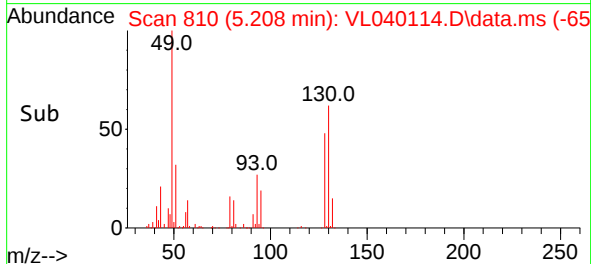
Instrument :
MSVOA_L
ClientSampleId :
VP-2DL



Tgt Ion: 43 Resp: 137249
Ion Ratio Lower Upper
43 100
45 8.5 8.5 12.7
61 7.6 8.4 12.6
70 5.5 5.9 8.9

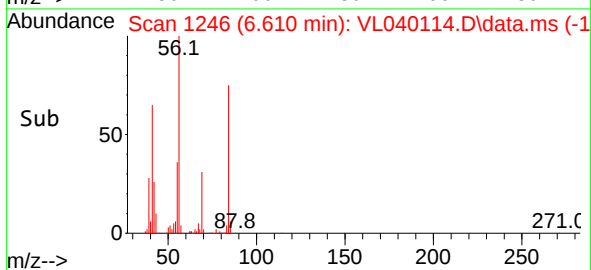
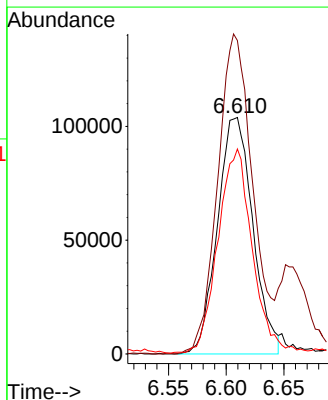
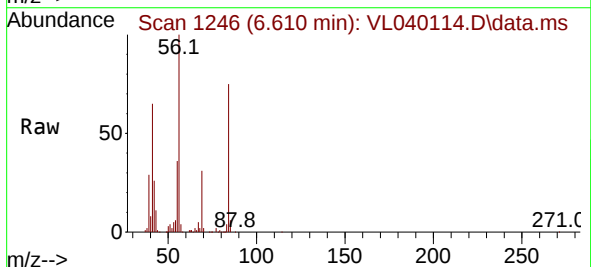
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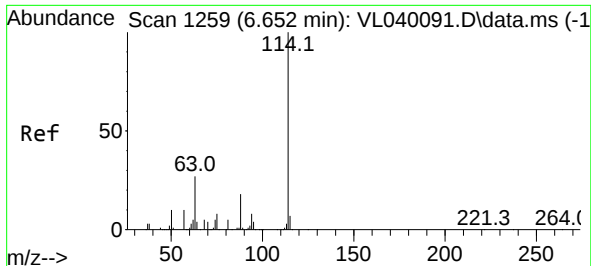
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#30
Cyclohexane
Concen: 2.720 ppbv
RT: 6.610 min Scan# 1246
Delta R.T. 0.006 min
Lab File: VL040114.D
Acq: 19 Jan 2023 15:36

Tgt Ion: 84 Resp: 221260
Ion Ratio Lower Upper
84 100
56 136.4 111.5 167.3
41 83.7 71.4 107.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 114

Delta R.T. 0.006 min

Lab File: VL040114.D

Acq: 19 Jan 2023 15:36

Instrument :

MSVOA_L

ClientSampleId :

VP-2DL

Tgt Ion:114 Resp: 284595

Ion Ratio Lower Upper

114 100

63 25.4 21.8 32.8

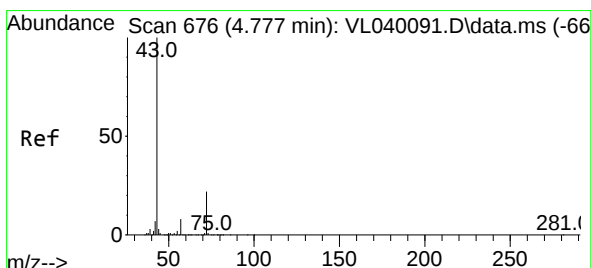
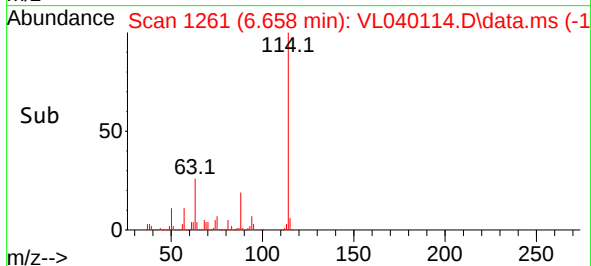
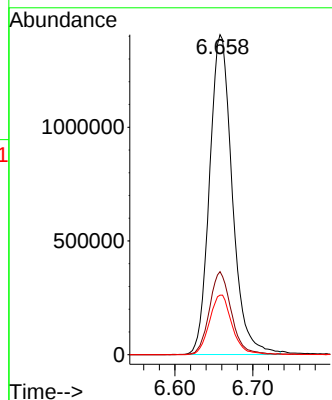
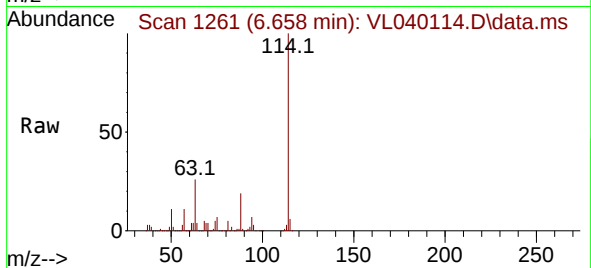
88 18.7 14.8 22.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#34

2-Butanone

Concen: 6.334 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.009 min

Lab File: VL040114.D

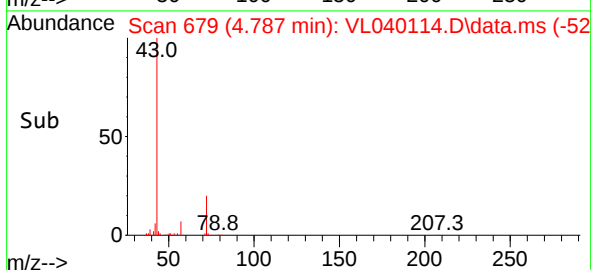
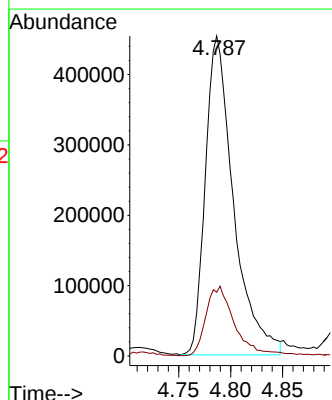
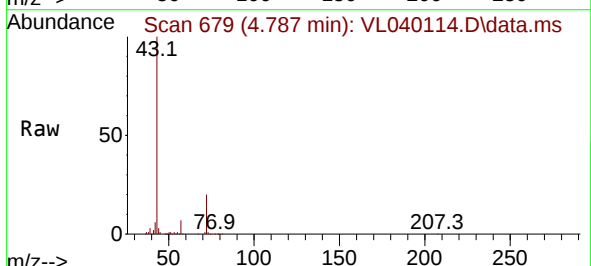
Acq: 19 Jan 2023 15:36

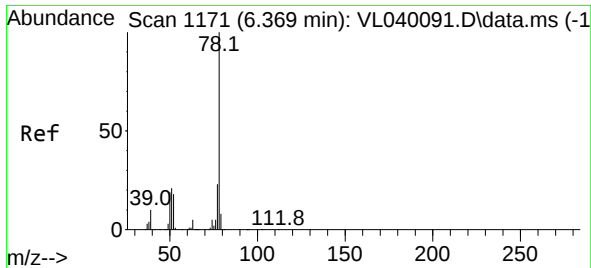
Tgt Ion: 43 Resp: 852594

Ion Ratio Lower Upper

43 100

72 22.7 18.4 27.6





#36

Benzene

Concen: 0.235 ppbv

RT: 6.378 min Scan# 1171

Delta R.T. 0.009 min

Lab File: VL040114.D

Acq: 19 Jan 2023 15:36

Instrument :

MSVOA_L

ClientSampleId :

VP-2DL

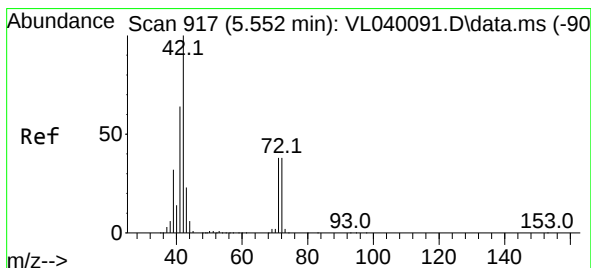
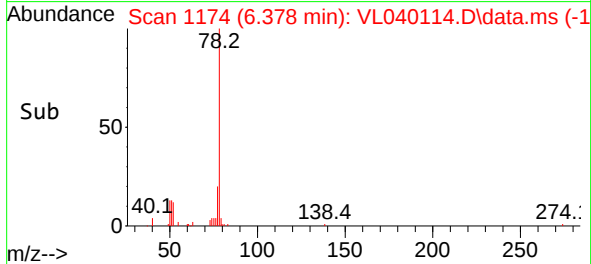
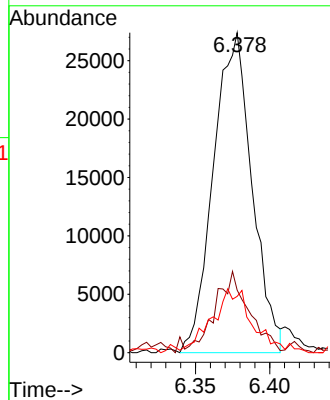
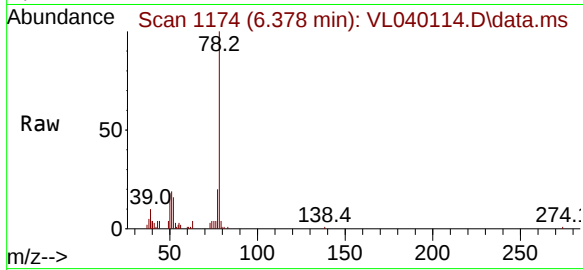
Tgt Ion: 78 Resp: 49589

Ion	Ratio	Lower	Upper
78	100		
77	18.9	18.1	27.1
50	16.8	15.6	23.4

Manual Integrations

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Supervised By :Mahesh Dadoda 01/20/2023



#41

Tetrahydrofuran

Concen: 2.007 ppbv

RT: 5.571 min Scan# 923

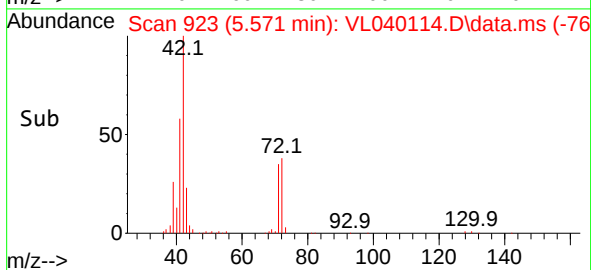
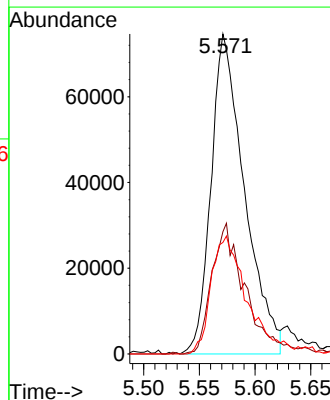
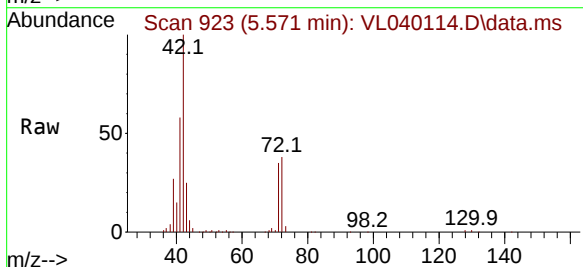
Delta R.T. 0.019 min

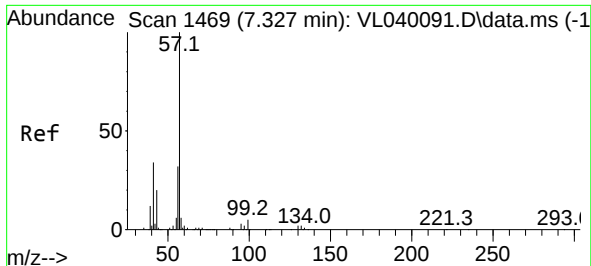
Lab File: VL040114.D

Acq: 19 Jan 2023 15:36

Tgt Ion: 42 Resp: 155934

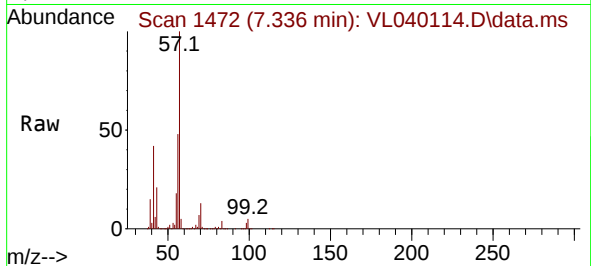
Ion	Ratio	Lower	Upper
42	100		
72	41.9	31.9	47.9
71	40.5	31.4	47.2





#44
2,2,4-Trimethylpentane
Concen: 12.681 ppbv
RT: 7.336 min Scan# 1469
Delta R.T. 0.009 min
Lab File: VL040114.D
Acq: 19 Jan 2023 15:36

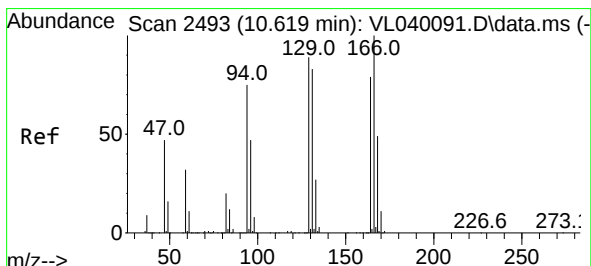
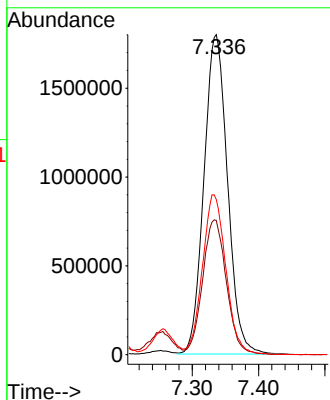
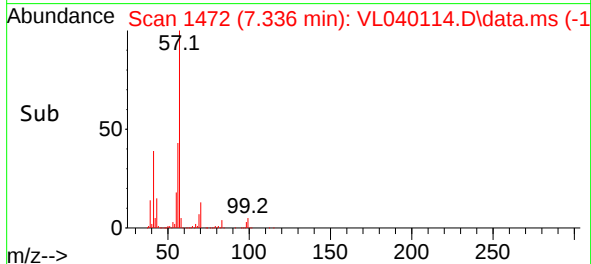
Instrument :
MSVOA_L
ClientSampleId :
VP-2DL



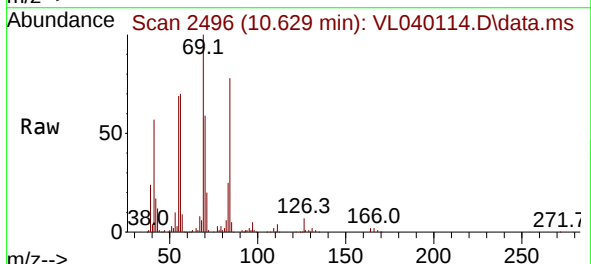
Tgt Ion: 57 Resp: 444131
Ion Ratio Lower Upper
57 100
41 42.8 27.1 40.7
56 50.0 25.0 37.4

Manual Integrations
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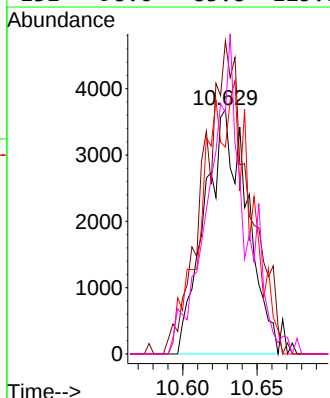
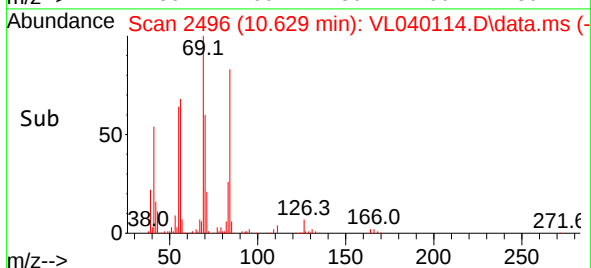
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

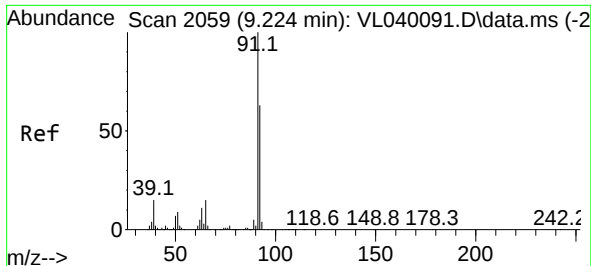


#52
Tetrachloroethene
Concen: 0.107 ppbv m
RT: 10.629 min Scan# 2496
Delta R.T. 0.009 min
Lab File: VL040114.D
Acq: 19 Jan 2023 15:36



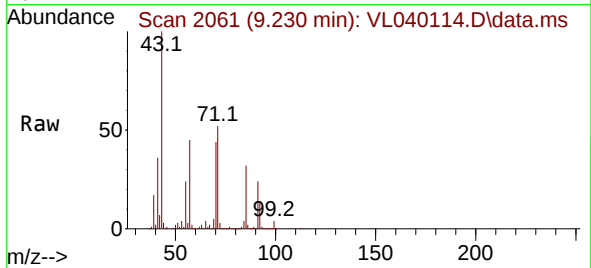
Tgt Ion:164 Resp: 7381
Ion Ratio Lower Upper
164 100
166 128.1 101.2 151.8
129 84.6 90.2 135.2
131 98.6 83.8 125.8





#53
Toluene
Concen: 1.006 ppbv
RT: 9.230 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VL040114.D
Acq: 19 Jan 2023 15:36

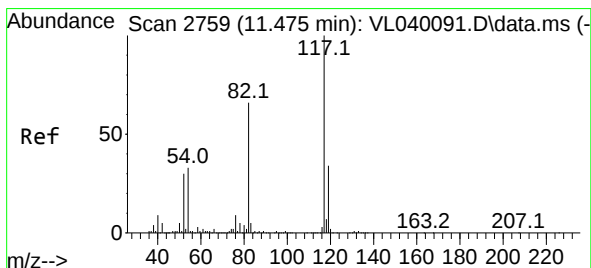
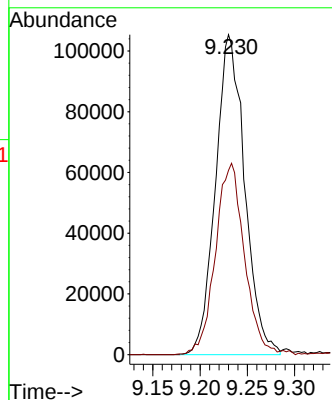
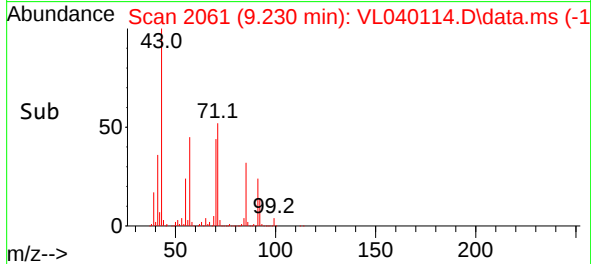
Instrument :
MSVOA_L
ClientSampleId :
VP-2DL



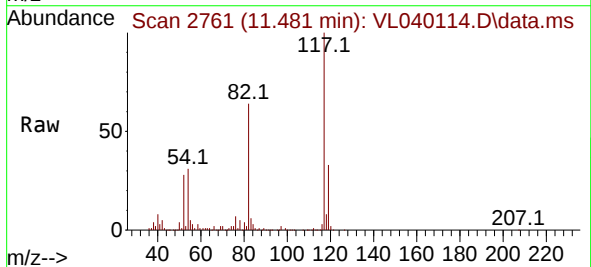
Tgt Ion: 91 Resp: 226004
Ion Ratio Lower Upper
91 100
92 59.9 48.3 72.5

Manual Integrations
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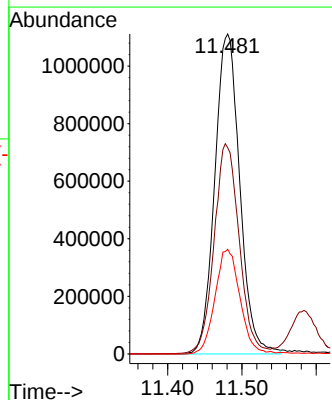
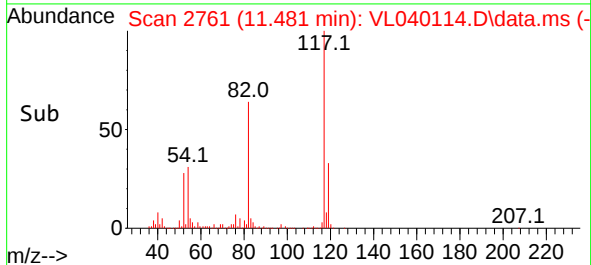
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

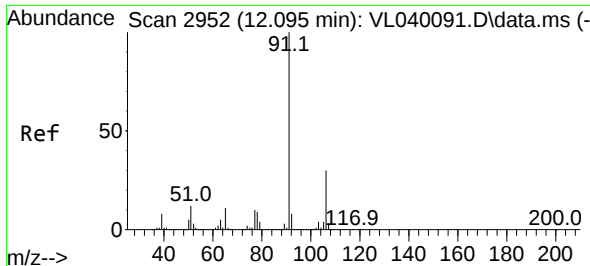


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. 0.006 min
Lab File: VL040114.D
Acq: 19 Jan 2023 15:36



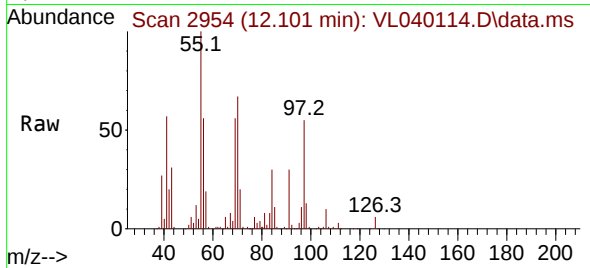
Tgt Ion:117 Resp: 2603598
Ion Ratio Lower Upper
117 100
82 66.0 54.4 81.6
119 33.4 26.8 40.2





#58
Ethyl Benzene
Concen: 0.351 ppbv m
RT: 12.101 min Scan# 2954
Delta R.T. 0.006 min
Lab File: VL040114.D
Acq: 19 Jan 2023 15:36

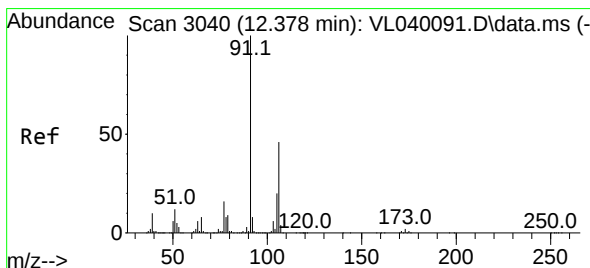
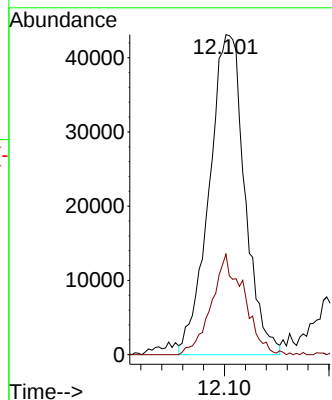
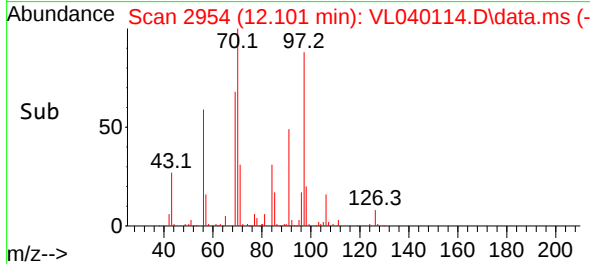
Instrument :
MSVOA_L
ClientSampleId :
VP-2DL



Tgt Ion: 91 Resp: 101870
Ion Ratio Lower Upper
91 100
106 31.4 23.7 35.5

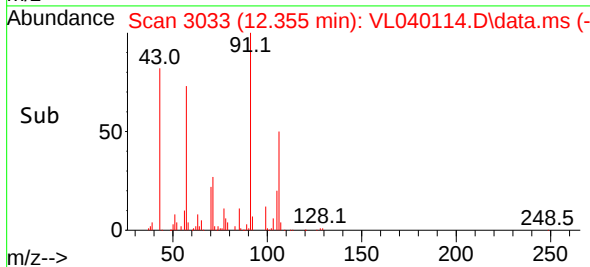
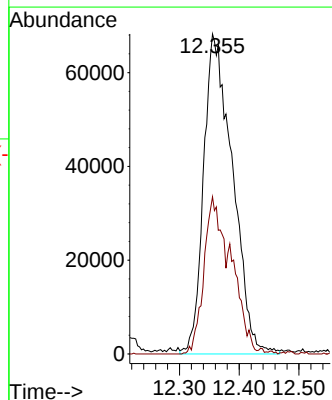
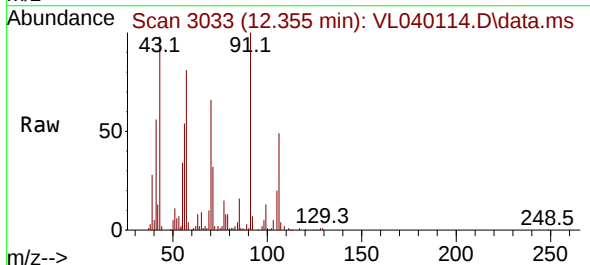
Manual Integrations
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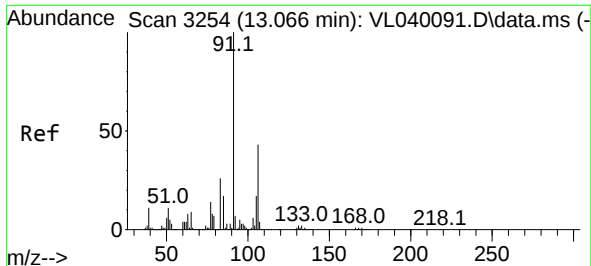
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#59
m/p-Xylene
Concen: 0.876 ppbv m
RT: 12.355 min Scan# 3033
Delta R.T. -0.023 min
Lab File: VL040114.D
Acq: 19 Jan 2023 15:36

Tgt Ion: 91 Resp: 228782
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.4#





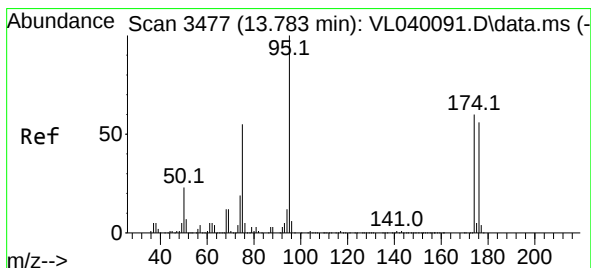
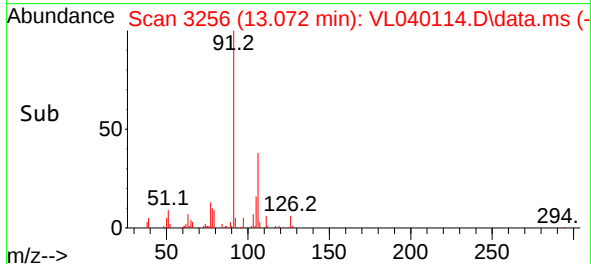
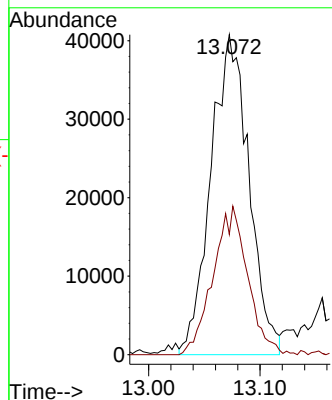
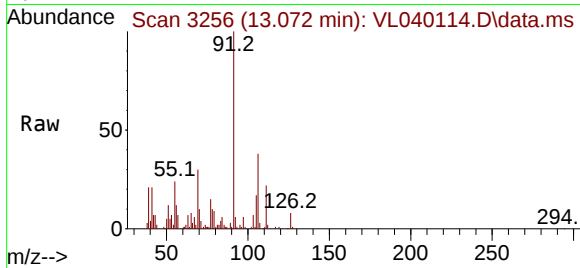
#60
o-Xylene
Concen: 0.391 ppbv m
RT: 13.072 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL040114.D
Acq: 19 Jan 2023 15:36

Instrument :
MSVOA_L
ClientSampleId :
VP-2DL

Tgt Ion: 91 Resp: 96970
Ion Ratio Lower Upper
91 100
106 0.0 21.6 64.8

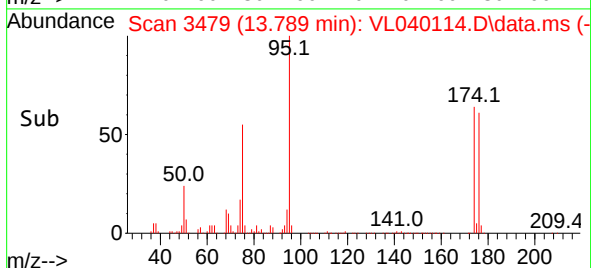
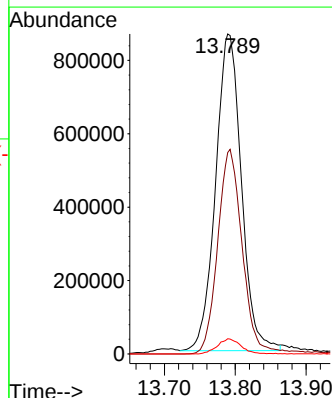
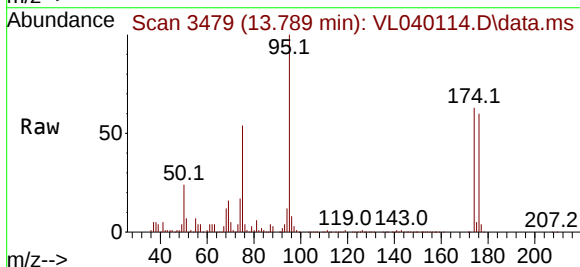
Manual Integrations
APPROVED

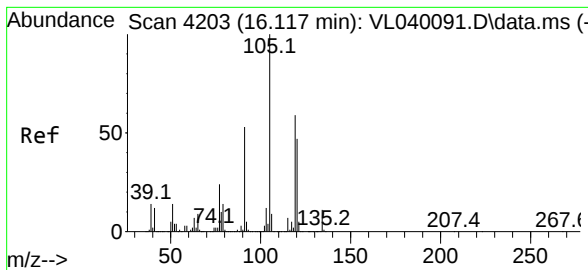
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 10.093 ppbv
RT: 13.789 min Scan# 3479
Delta R.T. 0.006 min
Lab File: VL040114.D
Acq: 19 Jan 2023 15:36

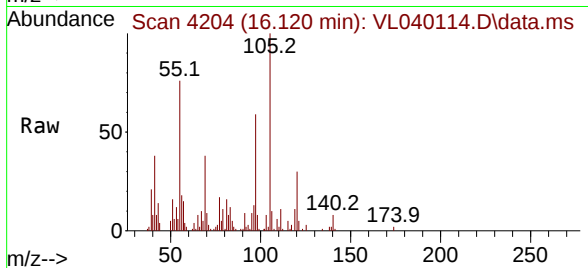
Tgt Ion: 95 Resp: 2184031
Ion Ratio Lower Upper
95 100
174 62.4 47.7 71.5
175 4.5 3.4 5.2





#74
 1,2,4-Trimethylbenzene
 Concen: 0.277 ppbv m
 RT: 16.120 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040114.D
 Acq: 19 Jan 2023 15:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-2DL



Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.6	38.0	57.0
91	9.1	42.1	63.1
77	17.4	19.3	28.9

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023

