

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092723\
 Data File : VL040724.D
 Acq On : 27 Sep 2023 12:50
 Operator : SY/MD
 Sample : 04616-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSG2

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/28/2023
 Supervised By : Mahesh Dadoda 09/28/2023

Quant Time: Sep 28 01:43:47 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Sep 19 05:12:43 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1275562	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.635	114	3524731	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.442	117	3077452	10.000	ppbv	-0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.748	95	2336199	9.826	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.300%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.738	85	32749	0.117	ppbv	95
3) Chlorodifluoromethane	2.684	51	14074m	0.068	ppbv	
9) Propene	2.703	41	54948	0.918	ppbv	88
13) Ethanol	3.237	45	597854	33.741	ppbv	94
15) Acetone	3.462	43	8256409	49.072	ppbv	91
17) tert-Butyl alcohol	3.880	59	208423	1.209	ppbv	96
19) Isopropyl Alcohol	3.578	45	219030	2.161	ppbv #	93
20) Methylene Chloride	3.931	84	170959	1.888	ppbv	93
26) Hexane	5.198	57	141864	1.106	ppbv #	42
27) Carbon Disulfide	4.121	76	97979	0.548	ppbv #	84
29) Chloroform	5.262	83	180258	0.814	ppbv	95
34) 2-Butanone	4.777	43	486043	2.742	ppbv	99
36) Benzene	6.349	78	89760	0.344	ppbv #	84
40) 1,4-Dioxane	7.275	88	56854	1.497	ppbv #	61
41) Tetrahydrofuran	5.549	42	42678m	0.470	ppbv	
50) 4-Methyl-2-Pentanone	8.169	43	90238	0.377	ppbv	96
52) Tetrachloroethene	10.597	164	20131m	0.236	ppbv	
53) Toluene	9.198	91	297938	1.081	ppbv	100
58) Ethyl Benzene	12.066	91	107897m	0.308	ppbv	
59) m/p-Xylene	12.314	91	243141m	0.738	ppbv	
60) o-Xylene	13.027	91	93052m	0.296	ppbv	
61) Styrene	12.873	104	312499	2.373	ppbv	98
62) Isopropylbenzene	14.002	105	1058975	2.232	ppbv	99

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

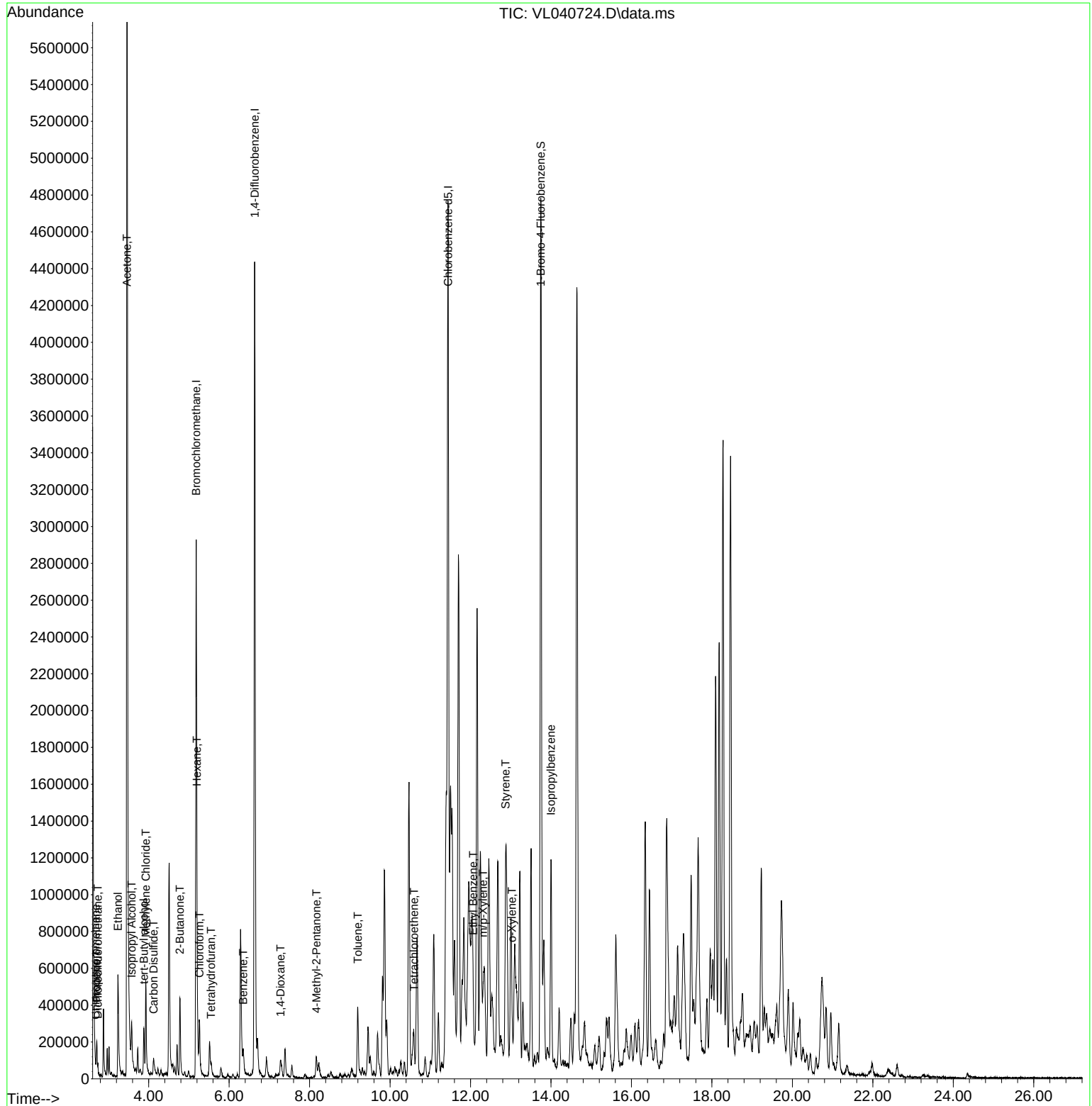
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092723\
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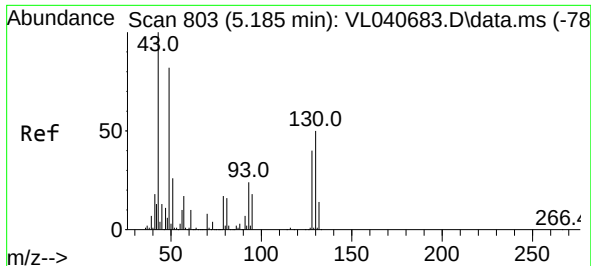
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Sep 28 01:43:47 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Sep 19 05:12:43 2023
Response via : Initial Calibration

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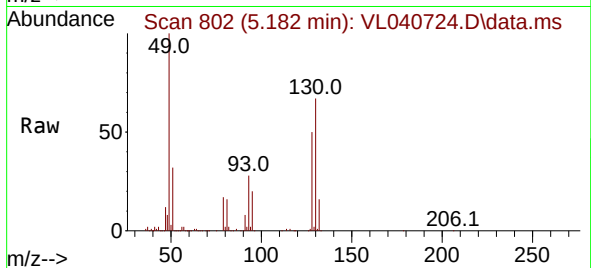
Reviewed By : Semsettin Yesilyurt 09/28/2023
Supervised By : Mahesh Dadoda 09/28/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.016 min
Lab File: VL040724.D
Acq: 27 Sep 2023 12:50

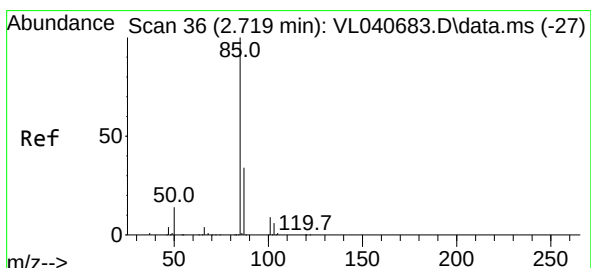
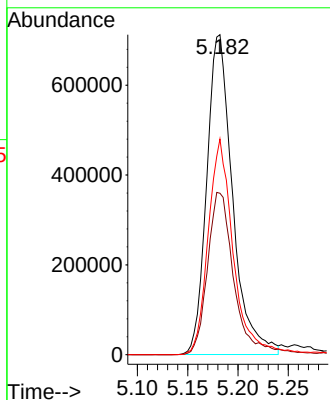
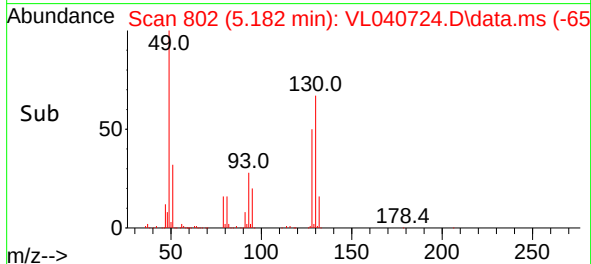
Instrument :
MSVOA_L
ClientSampleId :
SSG2



Tgt Ion: 49 Resp: 127556
Ion Ratio Lower Upper
49 100
128 52.8 25.4 76.0
130 67.2 32.3 96.8

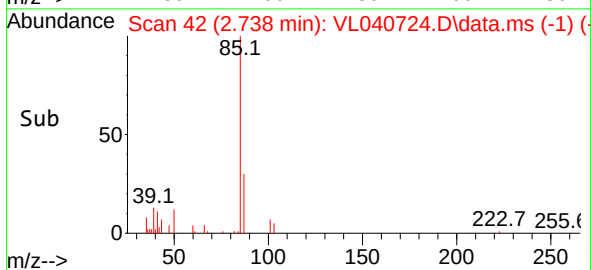
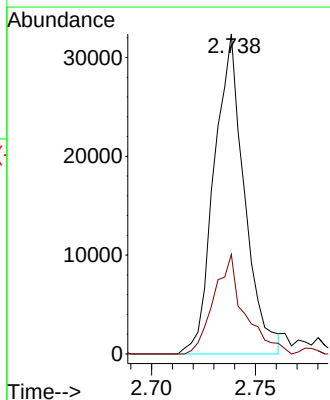
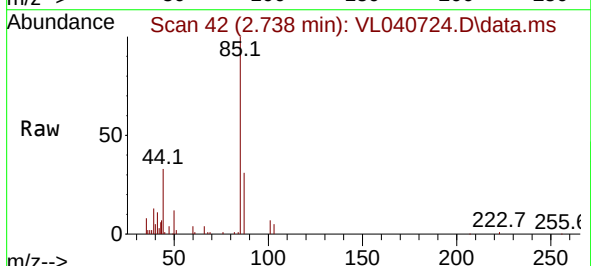
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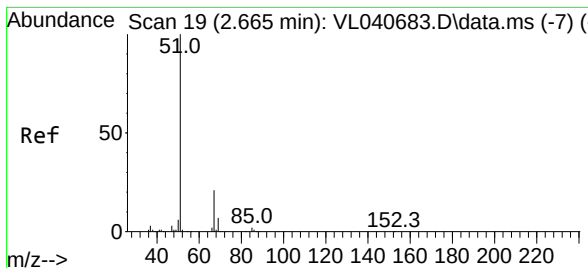
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023



#2
Dichlorodifluoromethane
Concen: 0.117 ppbv
RT: 2.738 min Scan# 42
Delta R.T. 0.006 min
Lab File: VL040724.D
Acq: 27 Sep 2023 12:50

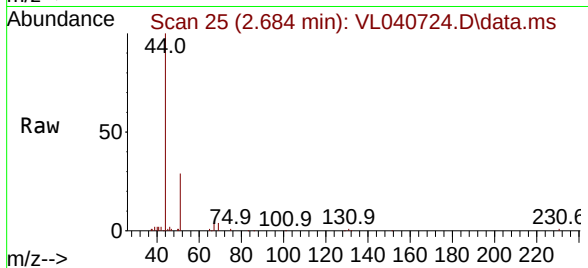
Tgt Ion: 85 Resp: 32749
Ion Ratio Lower Upper
85 100
87 31.1 27.2 40.8





#3
Chlorodifluoromethane
Concen: 0.068 ppbv m
RT: 2.684 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040724.D
Acq: 27 Sep 2023 12:50

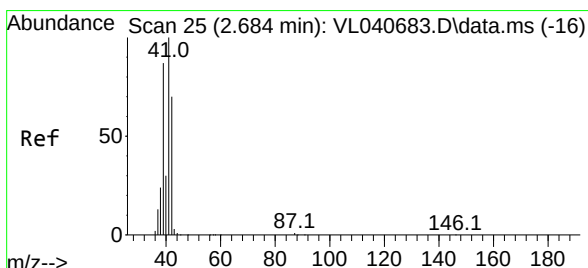
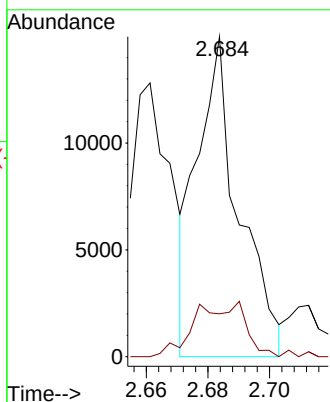
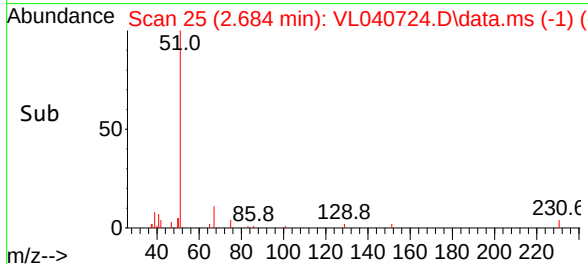
Instrument :
MSVOA_L
ClientSampleId :
SSG2



Tgt Ion: 51 Resp: 14074
Ion Ratio Lower Upper
51 100
67 22.6 16.7 25.1

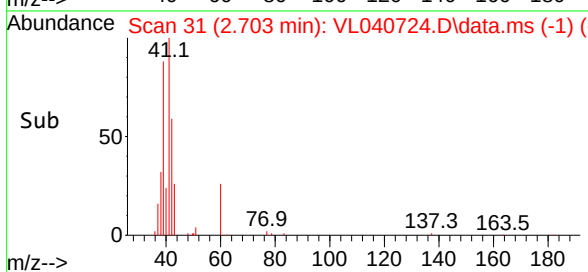
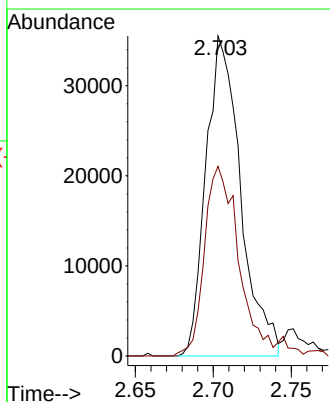
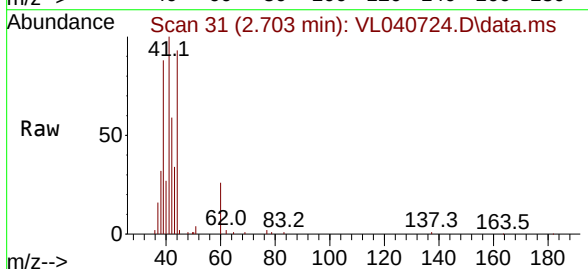
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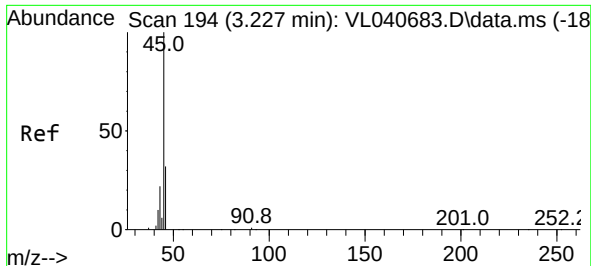
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023



#9
Propene
Concen: 0.918 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL040724.D
Acq: 27 Sep 2023 12:50

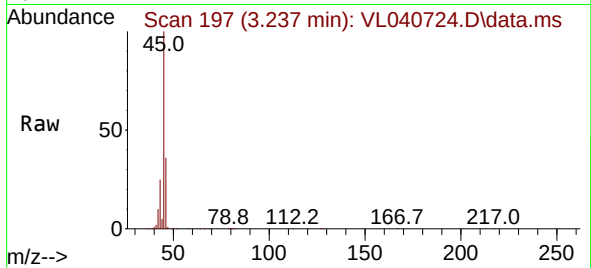
Tgt Ion: 41 Resp: 54948
Ion Ratio Lower Upper
41 100
42 61.1 56.7 85.1





#13
Ethanol
Concen: 33.741 ppbv
RT: 3.237 min Scan# 194
Delta R.T. -0.006 min
Lab File: VL040724.D
Acq: 27 Sep 2023 12:50

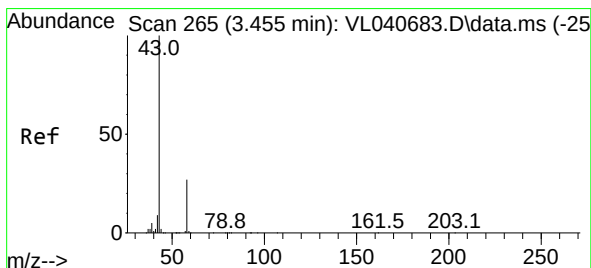
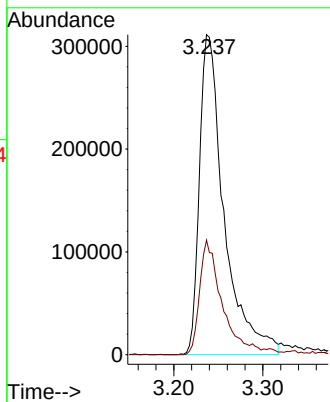
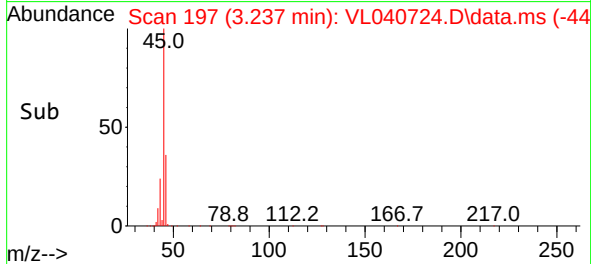
Instrument :
MSVOA_L
ClientSampleId :
SSG2



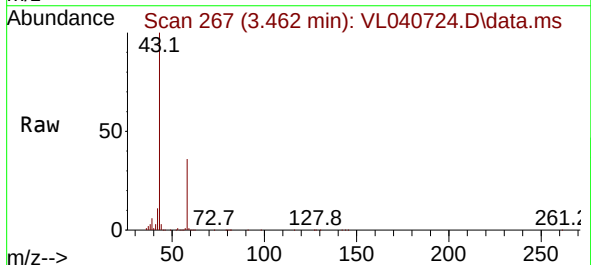
Tgt Ion: 45 Resp: 597854
Ion Ratio Lower Upper
45 100
46 34.8 15.2 61.0

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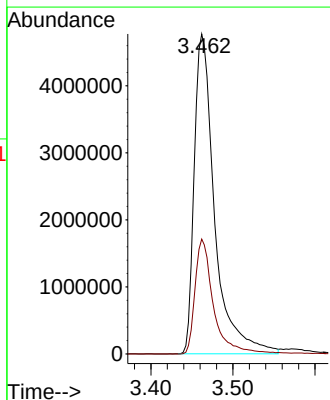
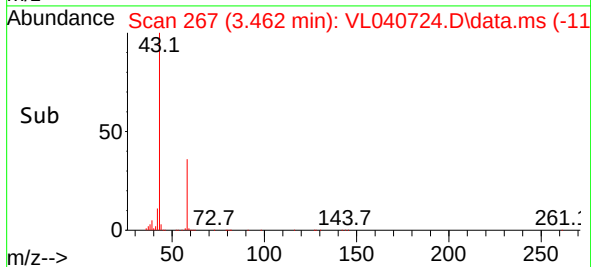
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023

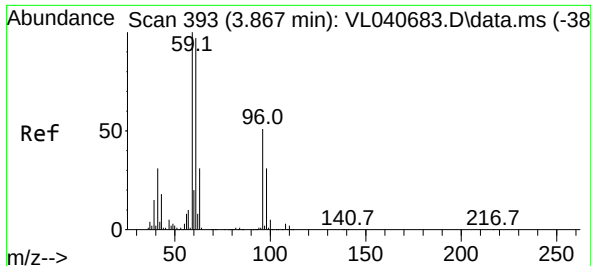


#15
Acetone
Concen: 49.072 ppbv
RT: 3.462 min Scan# 267
Delta R.T. -0.010 min
Lab File: VL040724.D
Acq: 27 Sep 2023 12:50



Tgt Ion: 43 Resp: 8256409
Ion Ratio Lower Upper
43 100
58 33.1 22.6 34.0





#17

tert-Butyl alcohol

Concen: 1.209 ppbv

RT: 3.880 min Scan# 303

Delta R.T. -0.003 min

Lab File: VL040724.D

Acq: 27 Sep 2023 12:50

Instrument :

MSVOA_L

ClientSampleId :

SSG2

Tgt Ion: 59 Resp: 20842

Ion Ratio Lower Upper

59 100

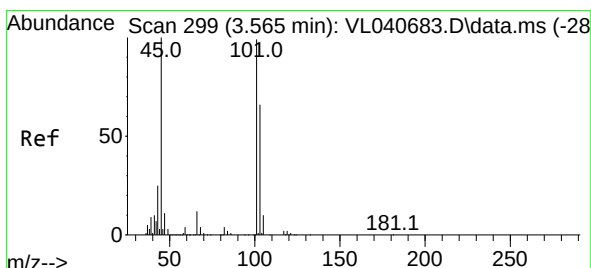
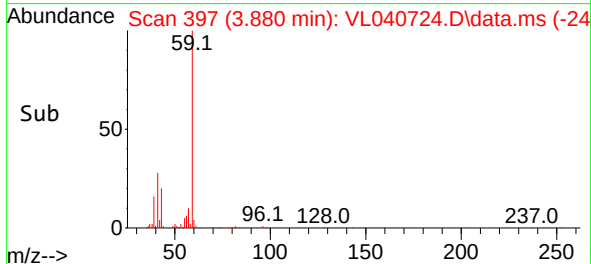
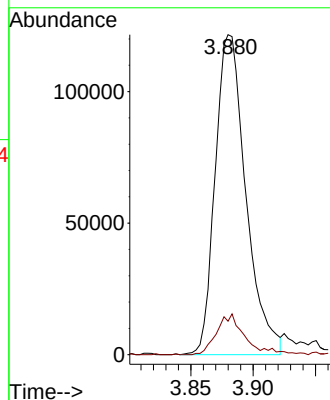
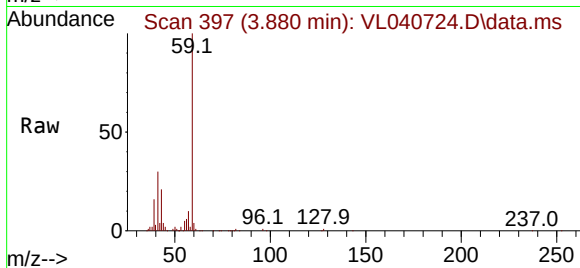
57 12.4 8.7 13.1

Manual Integrations

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Supervised By :Mahesh Dadoda 09/28/2023



#19

Isopropyl Alcohol

Concen: 2.161 ppbv

RT: 3.578 min Scan# 303

Delta R.T. -0.000 min

Lab File: VL040724.D

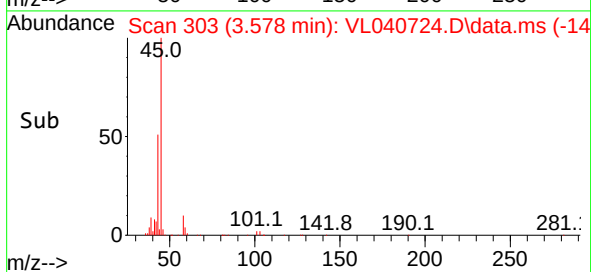
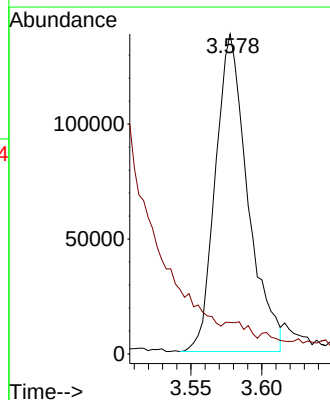
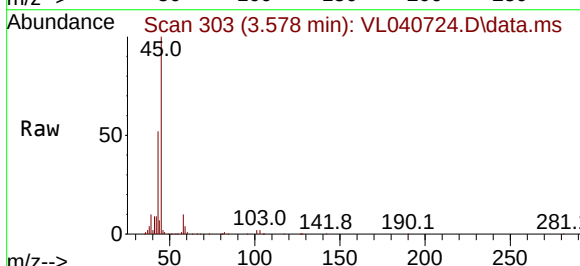
Acq: 27 Sep 2023 12:50

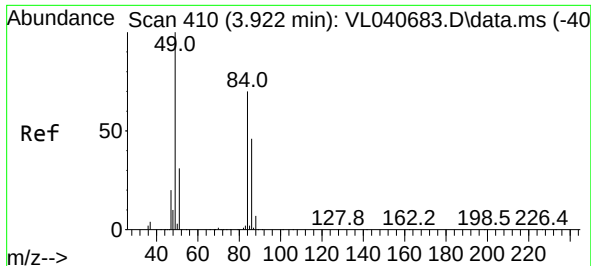
Tgt Ion: 45 Resp: 219030

Ion Ratio Lower Upper

45 100

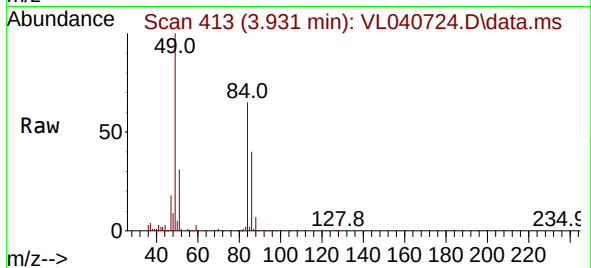
58 0.0 1.9 2.9#





#20
Methylene Chloride
Concen: 1.888 ppbv
RT: 3.931 min Scan# 410
Delta R.T. -0.006 min
Lab File: VL040724.D
Acq: 27 Sep 2023 12:50

Instrument :
MSVOA_L
ClientSampleId :
SSG2

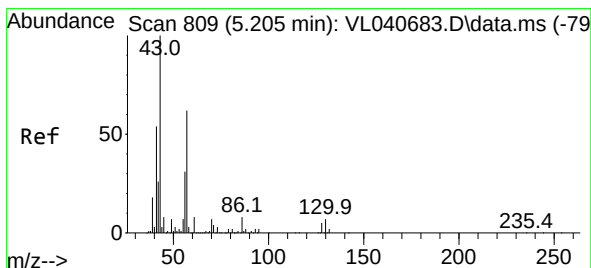
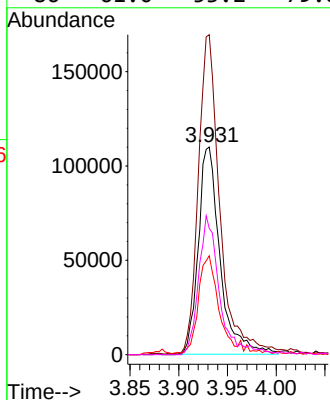
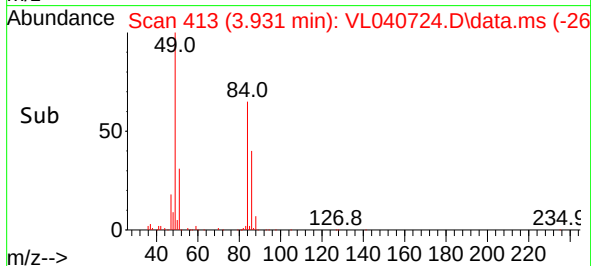


Tgt Ion: 84 Resp: 170959

Ion	Ratio	Lower	Upper
84	100		
49	154.1	114.4	171.6
51	46.2	35.5	53.3
86	61.0	53.2	79.8

Manual Integrations
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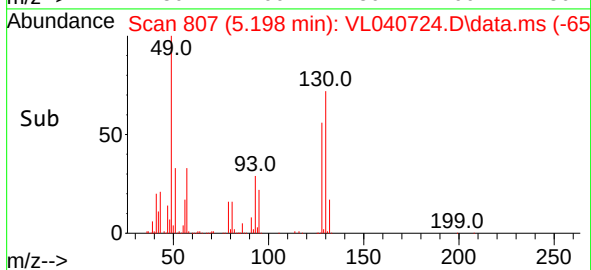
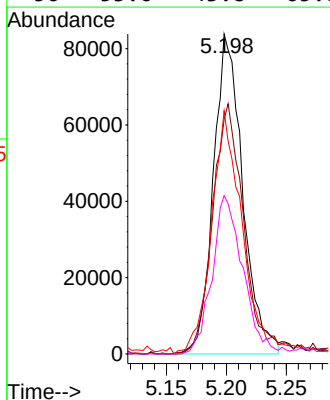
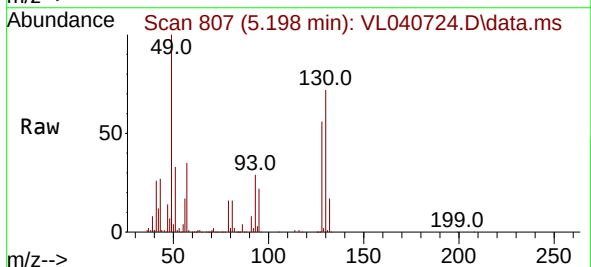
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023

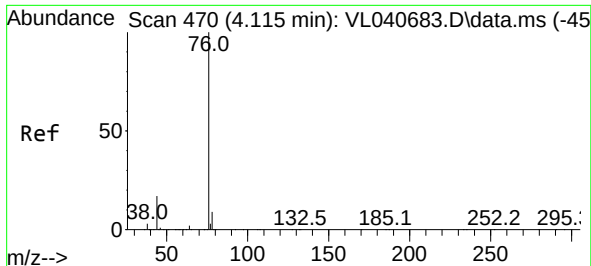


#26
Hexane
Concen: 1.106 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.023 min
Lab File: VL040724.D
Acq: 27 Sep 2023 12:50

Tgt Ion: 57 Resp: 141864

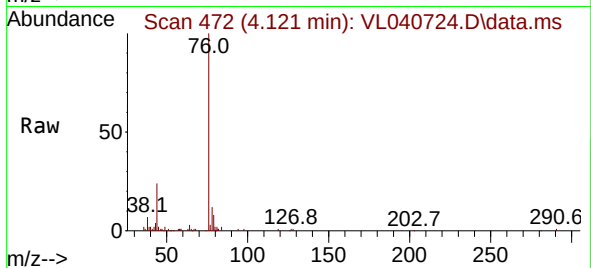
Ion	Ratio	Lower	Upper
57	100		
41	86.9	75.2	112.8
43	78.9	185.6	278.4#
56	53.6	43.8	65.8





#27
Carbon Disulfide
Concen: 0.548 ppbv
RT: 4.121 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL040724.D
Acq: 27 Sep 2023 12:50

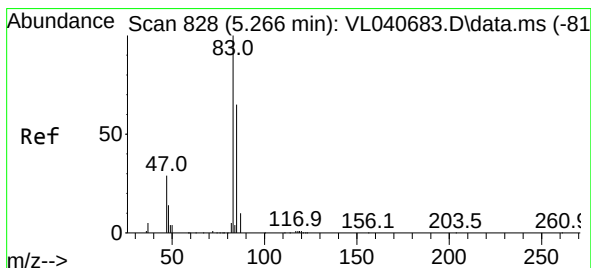
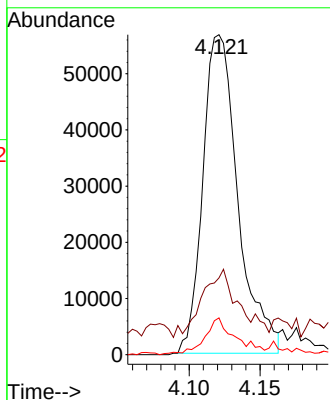
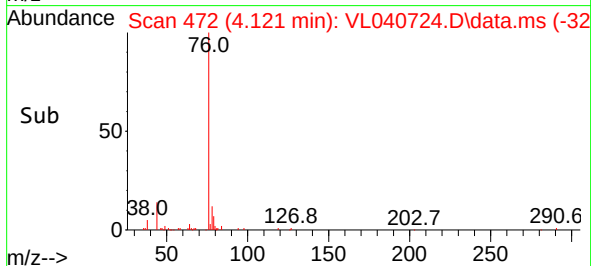
Instrument :
MSVOA_L
ClientSampleId :
SSG2



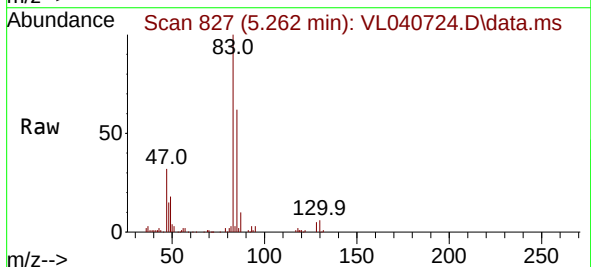
Tgt Ion: 76 Resp: 97979
Ion Ratio Lower Upper
76 100
44 28.2 14.5 21.7
78 10.3 7.7 11.5

Manual Integrations
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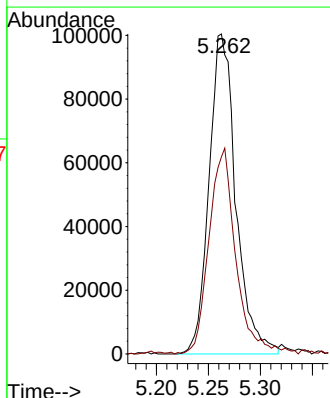
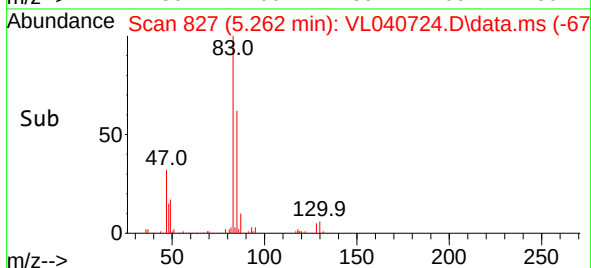
Reviewed By :Semsettin Yesilyurt 09/28/2023
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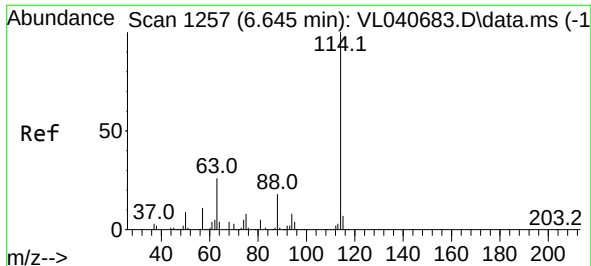


#29
Chloroform
Concen: 0.814 ppbv
RT: 5.262 min Scan# 827
Delta R.T. -0.019 min
Lab File: VL040724.D
Acq: 27 Sep 2023 12:50



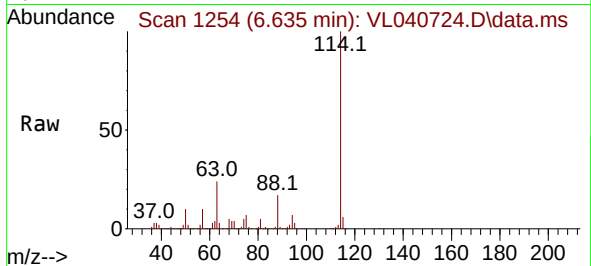
Tgt Ion: 83 Resp: 180258
Ion Ratio Lower Upper
83 100
85 61.1 51.8 77.8





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.635 min Scan# 114
Delta R.T. -0.026 min
Lab File: VL040724.D
Acq: 27 Sep 2023 12:50

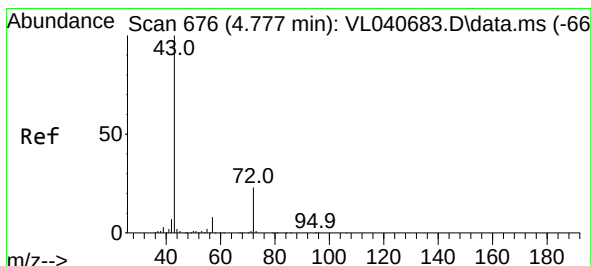
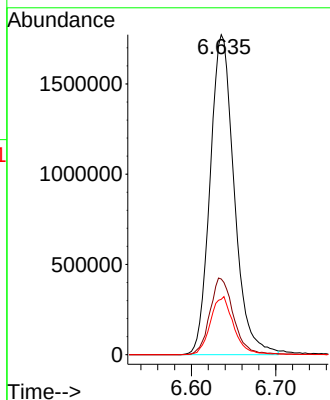
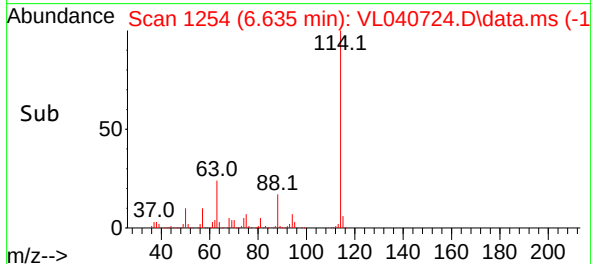
Instrument :
MSVOA_L
ClientSampleId :
SSG2



Tgt Ion:114 Resp: 352473
Ion Ratio Lower Upper
114 100
63 23.6 21.1 31.7
88 17.6 14.5 21.7

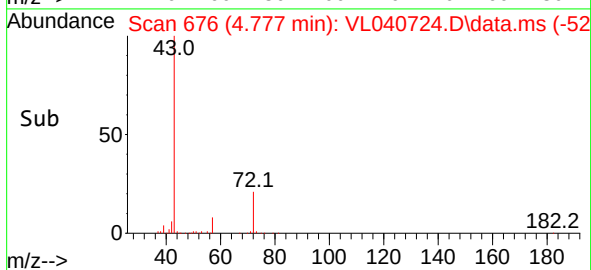
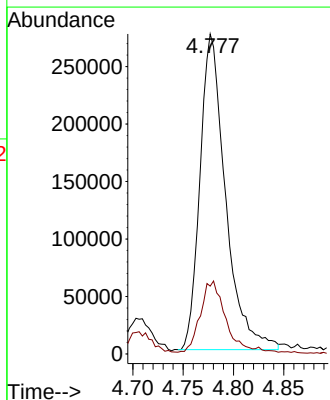
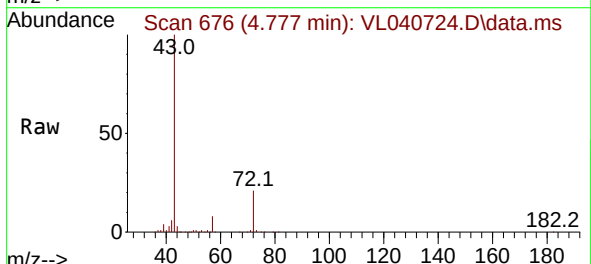
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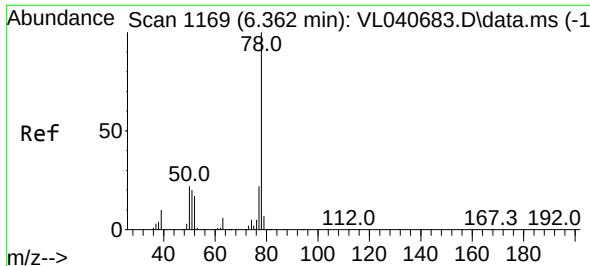
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023



#34
2-Butanone
Concen: 2.742 ppbv
RT: 4.777 min Scan# 676
Delta R.T. -0.013 min
Lab File: VL040724.D
Acq: 27 Sep 2023 12:50

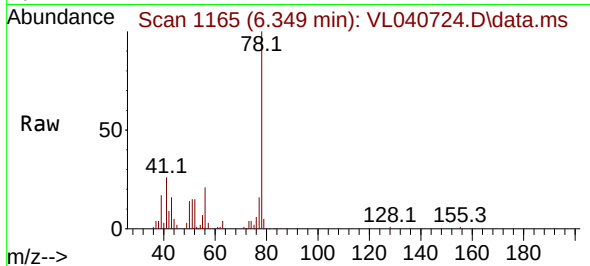
Tgt Ion: 43 Resp: 486043
Ion Ratio Lower Upper
43 100
72 23.7 18.6 27.8





#36
Benzene
Concen: 0.344 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. -0.032 min
Lab File: VL040724.D
Acq: 27 Sep 2023 12:50

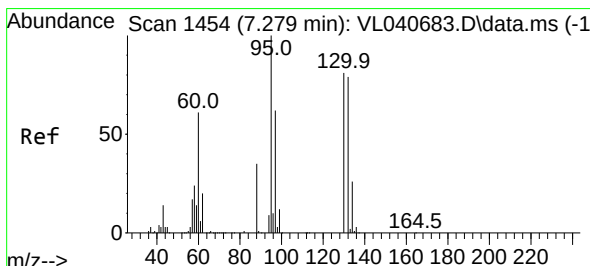
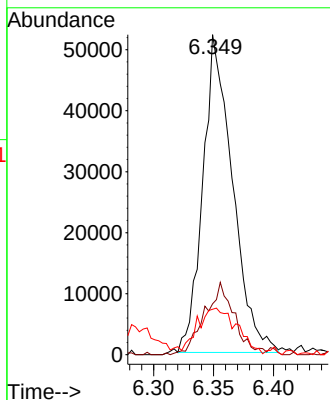
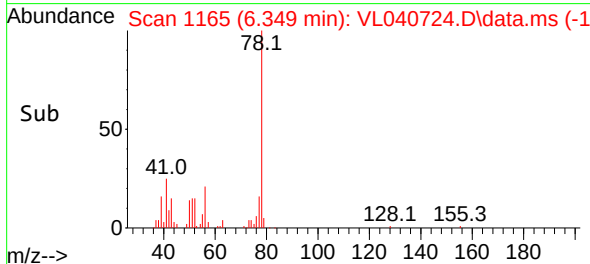
Instrument :
MSVOA_L
ClientSampleId :
SSG2



Tgt Ion: 78 Resp: 89760
Ion Ratio Lower Upper
78 100
77 15.3 17.9 26.9#
50 13.6 17.3 25.9#

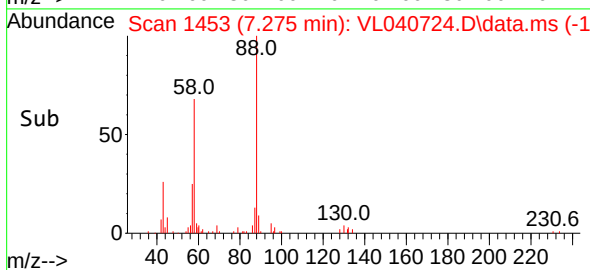
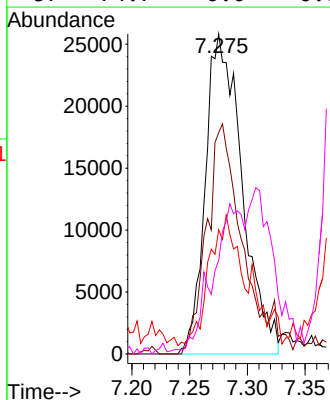
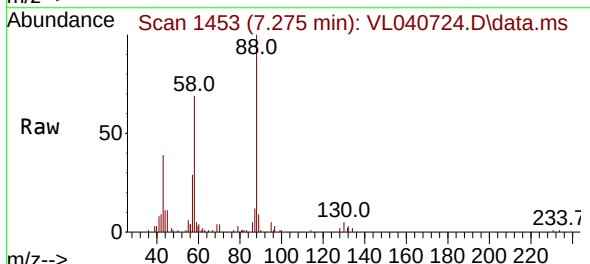
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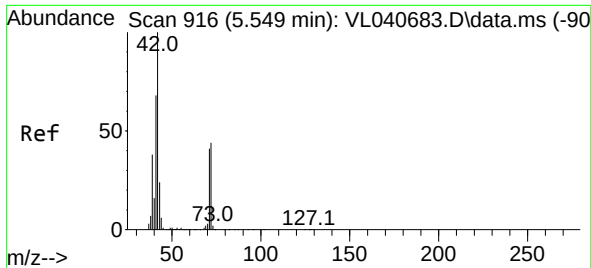
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023



#40
1,4-Dioxane
Concen: 1.497 ppbv
RT: 7.275 min Scan# 1453
Delta R.T. -0.019 min
Lab File: VL040724.D
Acq: 27 Sep 2023 12:50

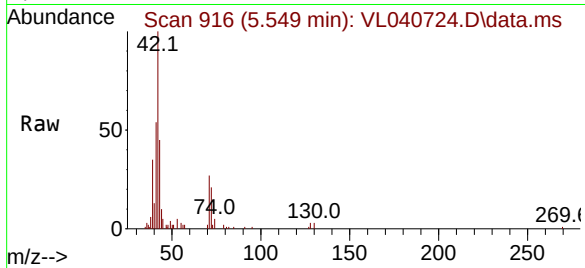
Tgt Ion: 88 Resp: 56854
Ion Ratio Lower Upper
88 100
58 72.9 92.7 139.1#
43 47.8 0.0 0.0#
57 74.7 0.0 0.0#





#41
Tetrahydrofuran
Concen: 0.470 ppbv m
RT: 5.549 min Scan# 916
Delta R.T. -0.013 min
Lab File: VL040724.D
Acq: 27 Sep 2023 12:50

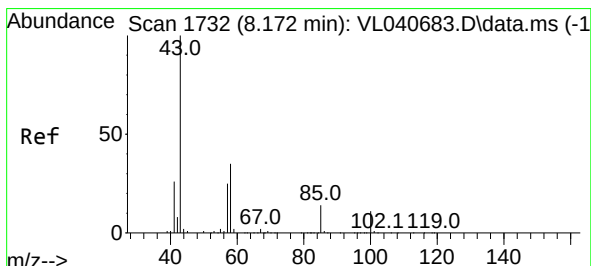
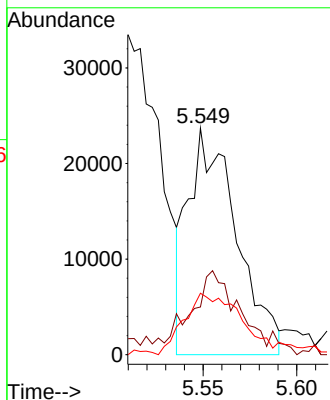
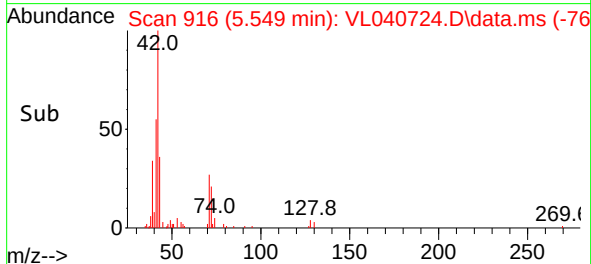
Instrument :
MSVOA_L
ClientSampleId :
SSG2



Tgt Ion: 42 Resp: 42678
Ion Ratio Lower Upper
42 100
72 0.0 34.9 52.3
71 35.4 33.8 50.8

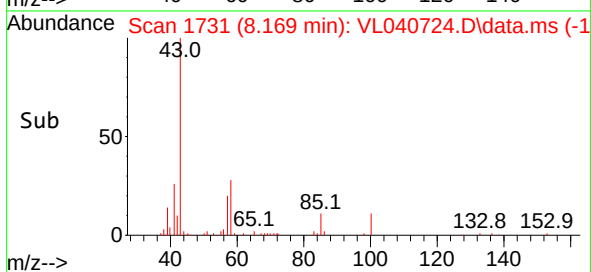
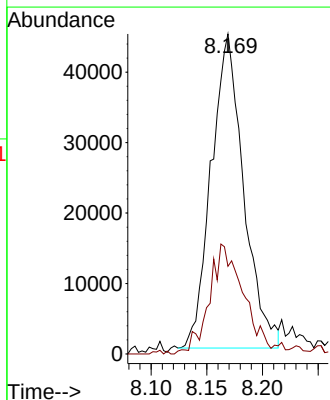
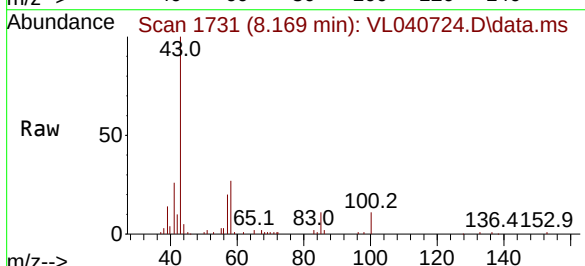
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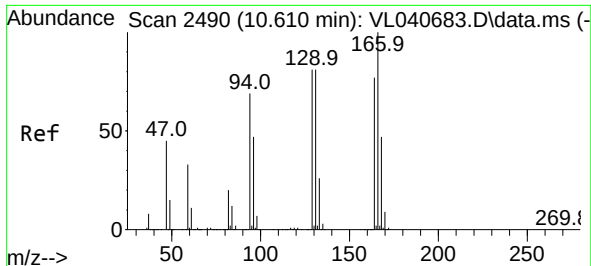
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023



#50
4-Methyl-2-Pentanone
Concen: 0.377 ppbv
RT: 8.169 min Scan# 1731
Delta R.T. -0.023 min
Lab File: VL040724.D
Acq: 27 Sep 2023 12:50

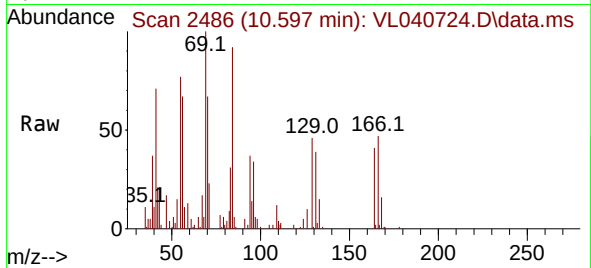
Tgt Ion: 43 Resp: 90238
Ion Ratio Lower Upper
43 100
58 37.9 28.2 42.4





#52
Tetrachloroethene
Concen: 0.236 ppbv m
RT: 10.597 min Scan# 2490
Delta R.T. -0.029 min
Lab File: VL040724.D
Acq: 27 Sep 2023 12:50

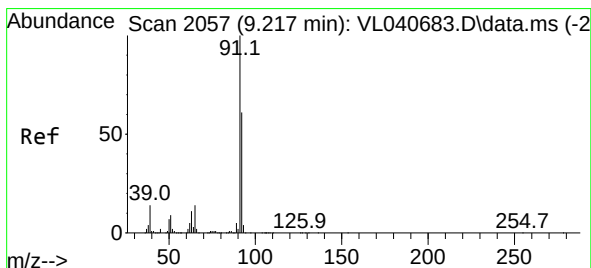
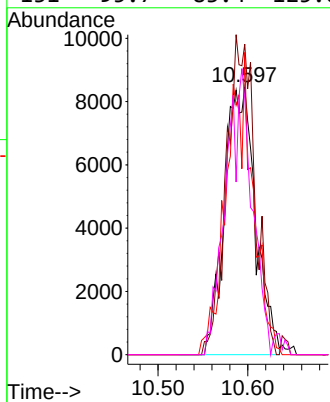
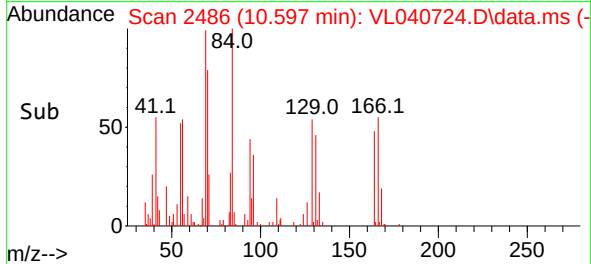
Instrument :
MSVOA_L
ClientSampleId :
SSG2



Tgt Ion:164 Resp: 2013
Ion Ratio Lower Upper
164 100
166 116.1 103.4 155.2
129 112.9 83.5 125.3
131 95.7 83.4 125.0

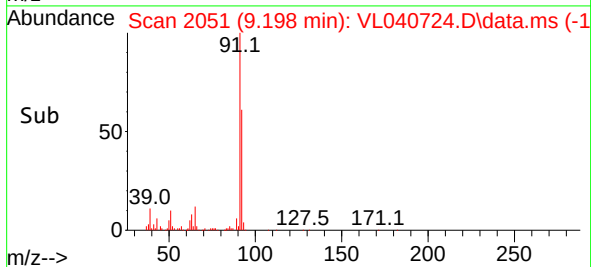
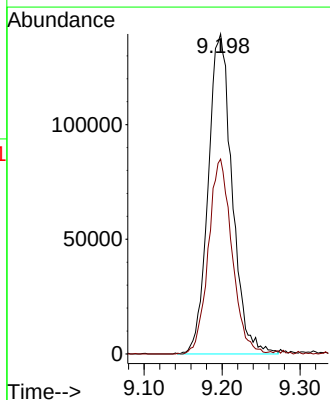
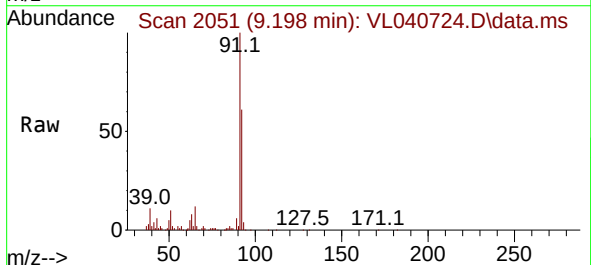
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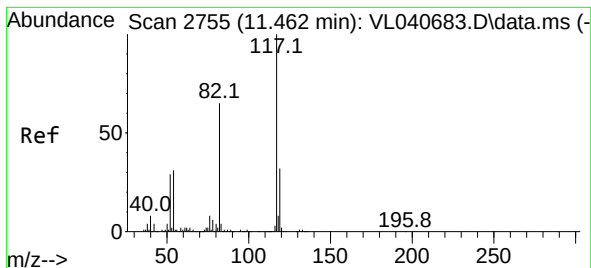
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023



#53
Toluene
Concen: 1.081 ppbv
RT: 9.198 min Scan# 2051
Delta R.T. -0.032 min
Lab File: VL040724.D
Acq: 27 Sep 2023 12:50

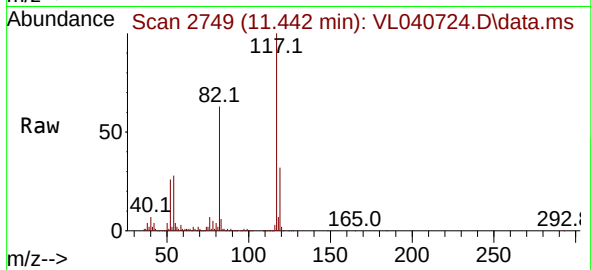
Tgt Ion: 91 Resp: 297938
Ion Ratio Lower Upper
91 100
92 60.6 48.5 72.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 21
Delta R.T. -0.035 min
Lab File: VL040724.D
Acq: 27 Sep 2023 12:50

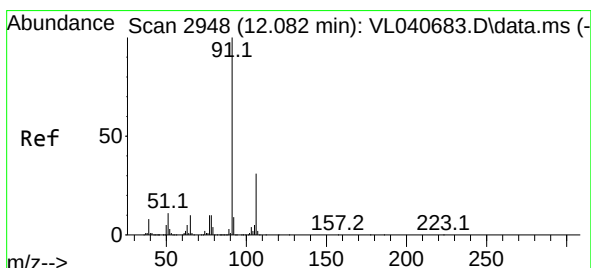
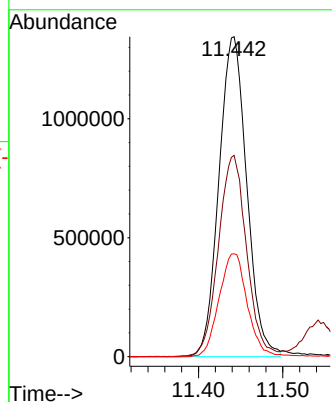
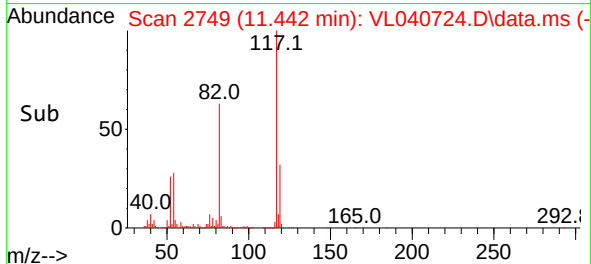
Instrument :
MSVOA_L
ClientSampleId :
SSG2



Tgt Ion:117 Resp: 307745
Ion Ratio Lower Upper
117 100
82 63.8 51.4 77.0
119 33.0 24.7 37.1

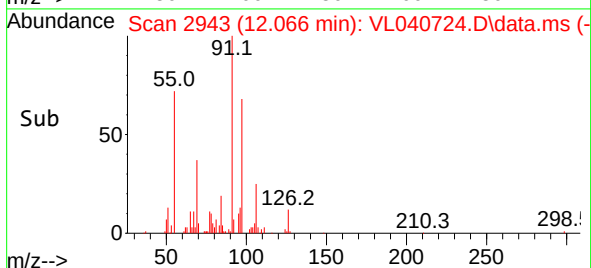
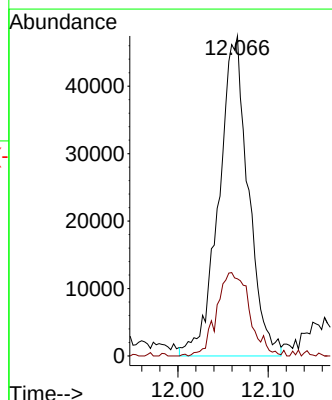
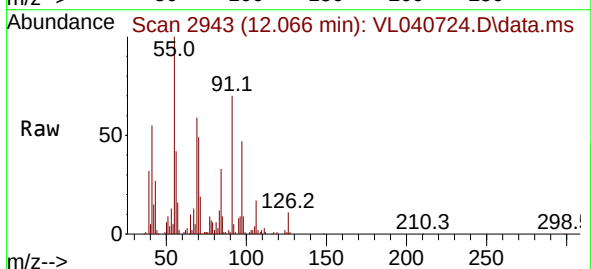
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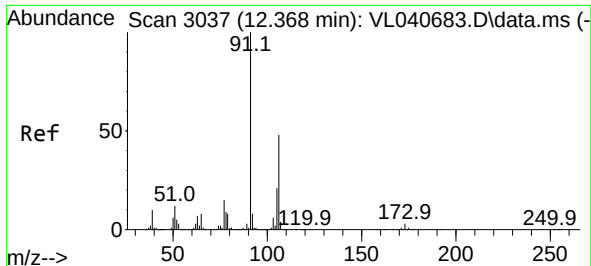
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023



#58
Ethyl Benzene
Concen: 0.308 ppbv m
RT: 12.066 min Scan# 2943
Delta R.T. -0.035 min
Lab File: VL040724.D
Acq: 27 Sep 2023 12:50

Tgt Ion: 91 Resp: 107897
Ion Ratio Lower Upper
91 100
106 24.1 24.7 37.1#





#59

m/p-Xylene

Concen: 0.738 ppbv m

RT: 12.314 min Scan# 3037

Delta R.T. -0.068 min

Lab File: VL040724.D

Acq: 27 Sep 2023 12:50

Instrument :

MSVOA_L

ClientSampleId :

SSG2

Tgt Ion: 91 Resp: 24314

Ion Ratio Lower Upper

91 100

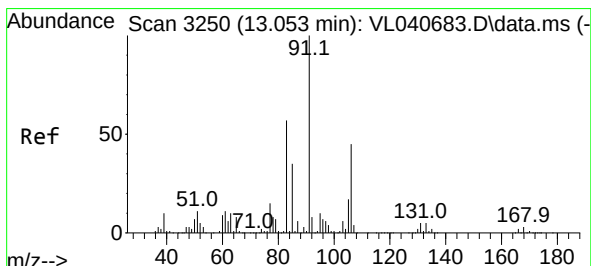
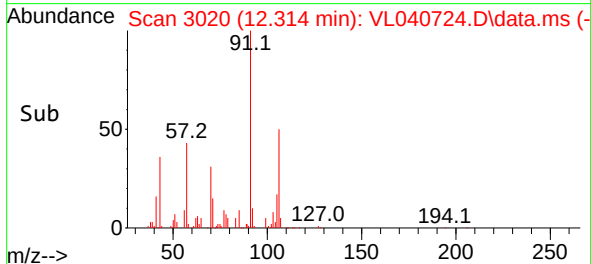
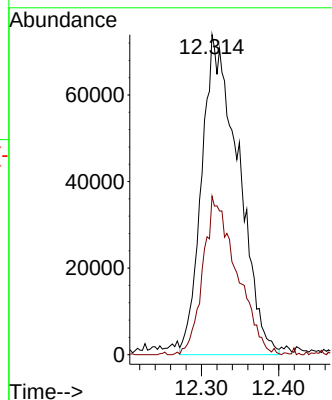
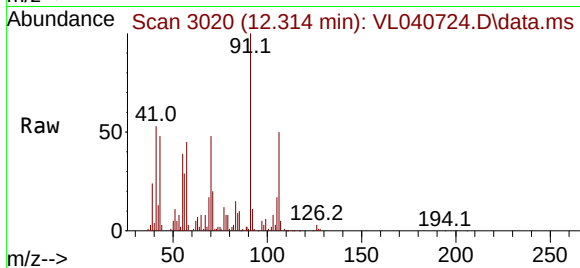
106 0.0 34.8 52.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/28/2023

Supervised By :Mahesh Dadoda 09/28/2023



#60

o-Xylene

Concen: 0.296 ppbv m

RT: 13.027 min Scan# 3242

Delta R.T. -0.042 min

Lab File: VL040724.D

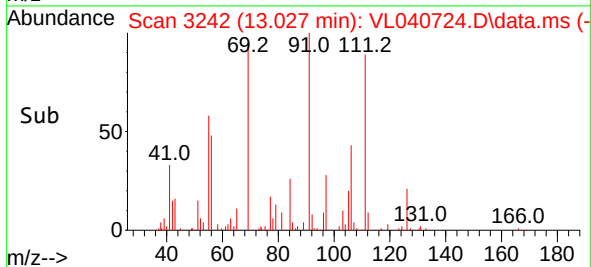
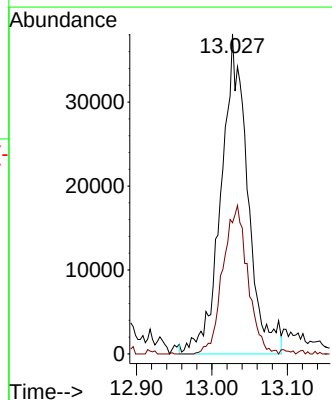
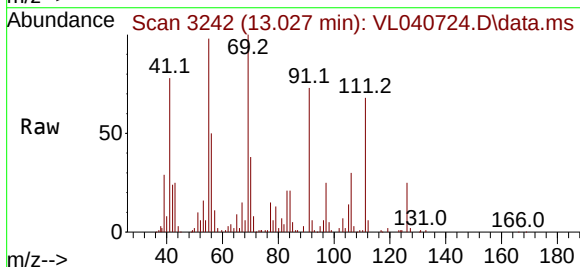
Acq: 27 Sep 2023 12:50

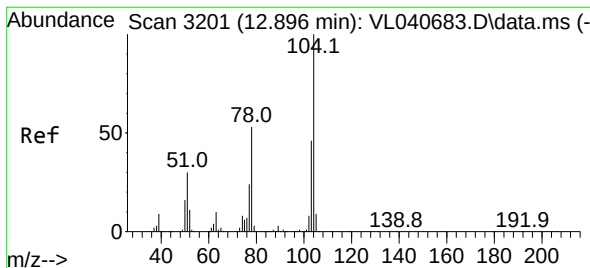
Tgt Ion: 91 Resp: 93052

Ion Ratio Lower Upper

91 100

106 0.0 22.3 66.9





#61

Styrene

Concen: 2.373 ppbv

RT: 12.873 min Scan# 31249

Delta R.T. -0.032 min

Lab File: VL040724.D

Acq: 27 Sep 2023 12:50

Instrument :

MSVOA_L

ClientSampleId :

SSG2

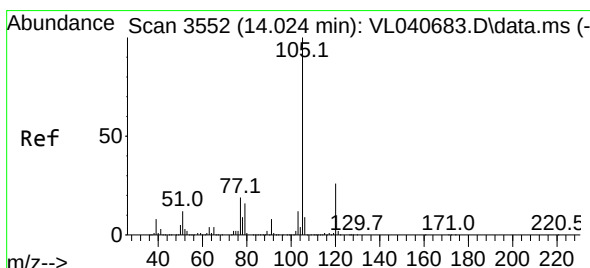
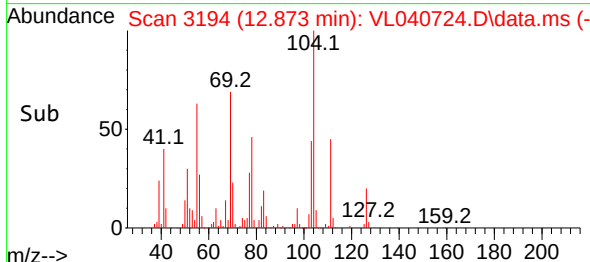
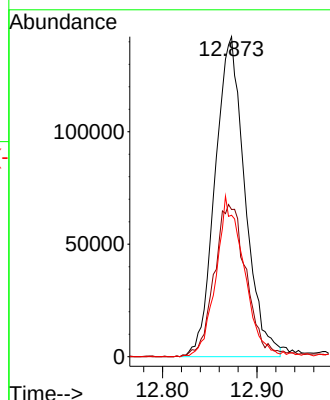
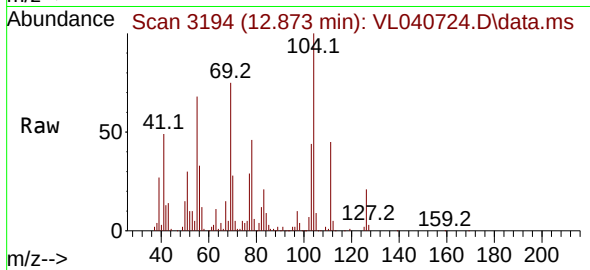
Tgt Ion:104 Resp: 31249

Ion	Ratio	Lower	Upper
104	100		
78	51.9	43.4	65.0
103	47.5	37.2	55.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023



#62

Isopropylbenzene

Concen: 2.232 ppbv

RT: 14.002 min Scan# 3545

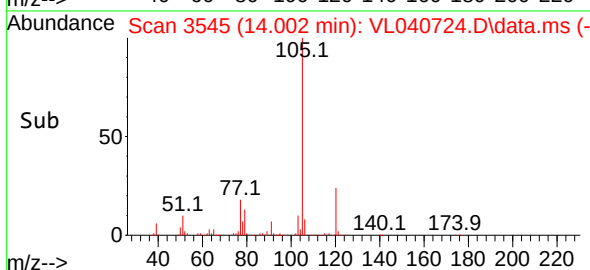
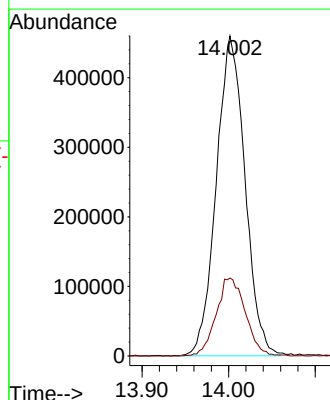
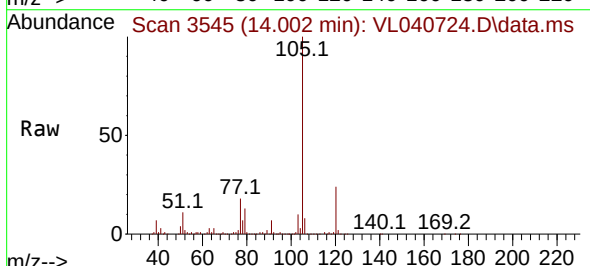
Delta R.T. -0.035 min

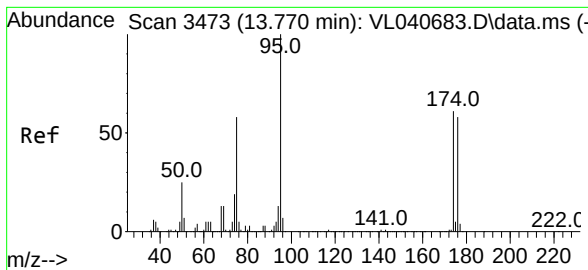
Lab File: VL040724.D

Acq: 27 Sep 2023 12:50

Tgt Ion:105 Resp: 1058975

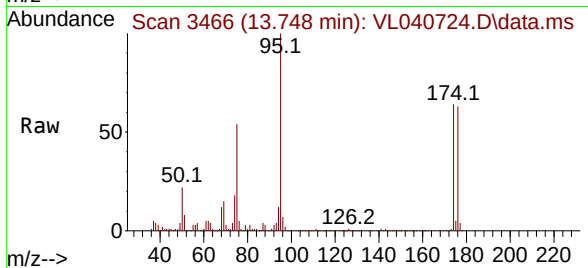
Ion	Ratio	Lower	Upper
105	100		
120	24.8	20.2	30.4





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.826 ppbv
 RT: 13.748 min Scan# 3473
 Delta R.T. -0.039 min
 Lab File: VL040724.D
 Acq: 27 Sep 2023 12:50

Instrument :
 MSVOA_L
 ClientSampleId :
 SSG2



Tgt Ion: 95 Resp: 2336199
 Ion Ratio Lower Upper
 95 100
 174 65.3 48.9 73.3
 175 4.8 3.5 5.3

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 09/28/2023
 Supervised By :Mahesh Dadoda 09/28/2023

