

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052322\
 Data File : VL039104.D
 Acq On : 24 May 2022 4:24
 Operator : SY/AP
 Sample : N2957-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AP-3

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/25/2022
 Supervised By : Mahesh Dadoda 05/26/2022

Quant Time: May 24 06:06:25 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 26 13:05:27 2022

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.648	49	1105597	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.153	114	2861619	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.056	117	2519975	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.384	95	1996796	10.006	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.100%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.044	85	48674	0.281	ppbv	96
4) Chloromethane	3.134	50	48130m	0.701	ppbv	
9) Propene	3.012	41	110530m	1.845	ppbv	
10) Heptane	8.092	43	34203m	0.233	ppbv	
11) Trichlorofluoromethane	3.941	101	29671m	0.200	ppbv	
13) Ethanol	3.597	45	11040217	2603.922	ppbv	91
15) Acetone	3.835	43	922794	8.848	ppbv	95
17) tert-Butyl alcohol	4.285	59	41681m	0.520	ppbv	
19) Isopropyl Alcohol	3.960	45	3738040	75.385	ppbv	99
20) Methylene Chloride	4.330	84	115199	2.931	ppbv	95
26) Hexane	5.671	57	144221	1.300	ppbv #	63
29) Chloroform	5.732	83	525923	2.931	ppbv	92
30) Cyclohexane	7.114	84	15431m	0.166	ppbv	
34) 2-Butanone	5.227	43	90179	0.618	ppbv #	90
35) Carbon Tetrachloride	7.002	117	10177m	0.054	ppbv	
36) Benzene	6.873	78	102971	0.420	ppbv	98
44) 2,2,4-Trimethylpentane	7.854	57	145256	0.338	ppbv	95
52) Tetrachloroethene	11.204	164	6974m	0.080	ppbv	
53) Toluene	9.777	91	267493	0.975	ppbv	96
58) Ethyl Benzene	12.683	91	61043m	0.168	ppbv	
59) m/p-Xylene	12.937	91	164219m	0.530	ppbv	
60) o-Xylene	13.661	91	63343	0.217	ppbv	98
61) Styrene	13.497	104	17638m	0.113	ppbv	
74) 1,2,4-Trimethylbenzene	16.731	105	65187m	0.199	ppbv	

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

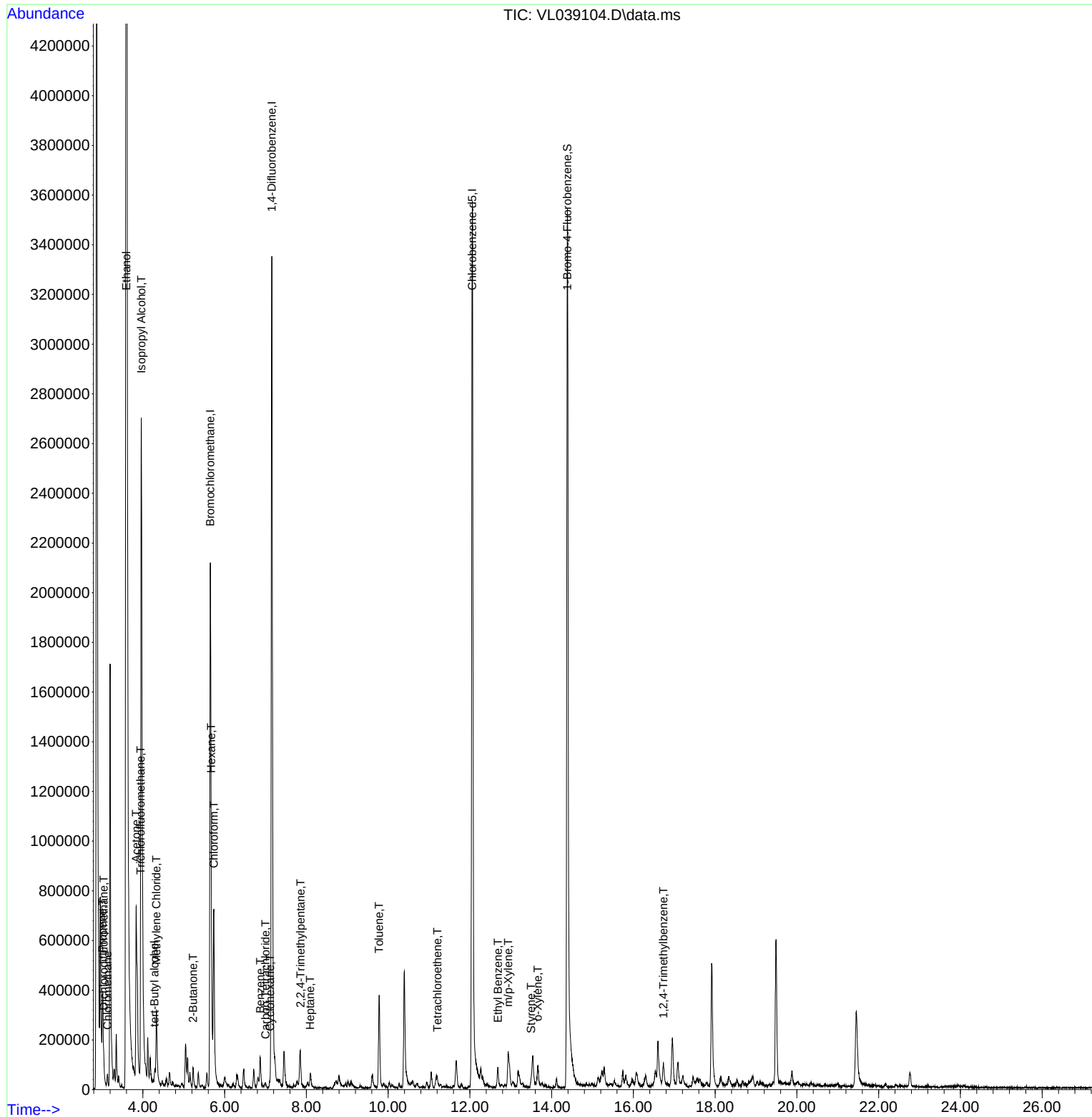
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052322\
Data File : VL039104.D
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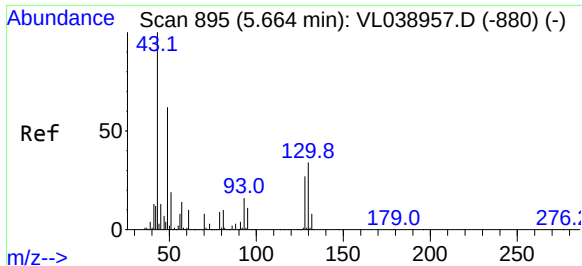
Instrument :
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Quant Time: May 24 06:06:25 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May
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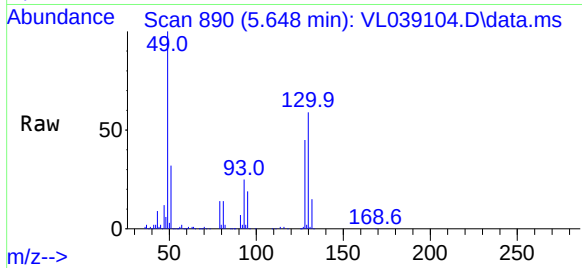
Reviewed By : Semsettin Yesilyurt 05/25/2022
Supervised By : Mahesh Dadoda 05/26/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.648 min Scan# 80
Delta R.T. -0.016 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24

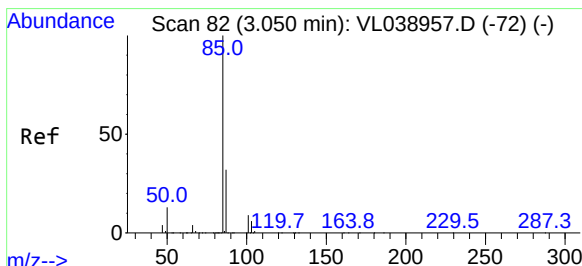
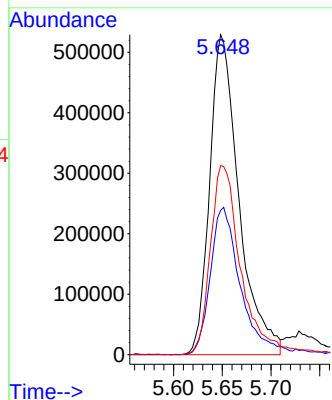
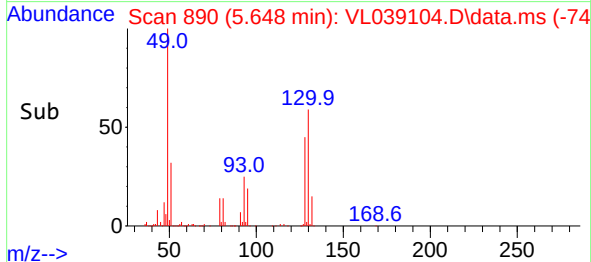
Instrument :
MSVOA_L
ClientSampleId :
AP-3



Tgt Ion: 49 Resp: 110559
Ion Ratio Lower Upper
49 100
128 49.0 23.3 69.8
130 63.4 29.8 89.3

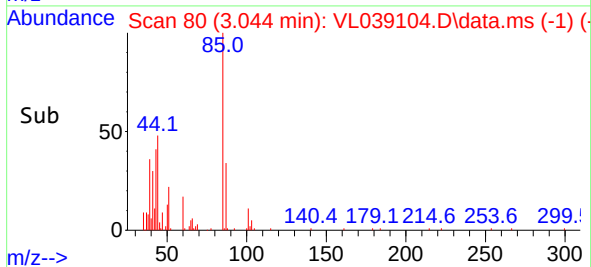
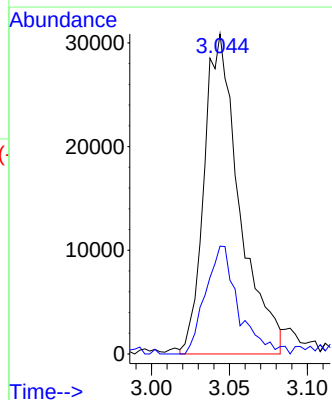
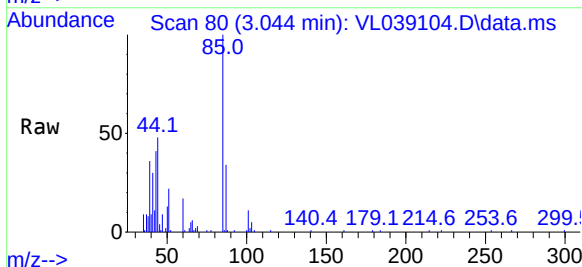
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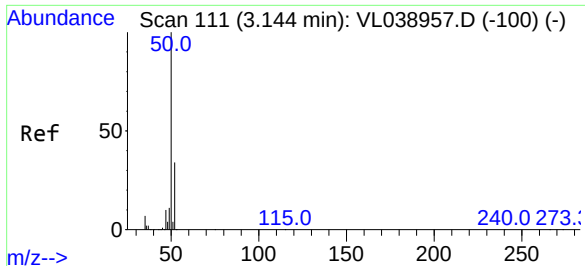
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#2
Dichlorodifluoromethane
Concen: 0.281 ppbv
RT: 3.044 min Scan# 80
Delta R.T. -0.006 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24

Tgt Ion: 85 Resp: 48674
Ion Ratio Lower Upper
85 100
87 34.2 25.7 38.5





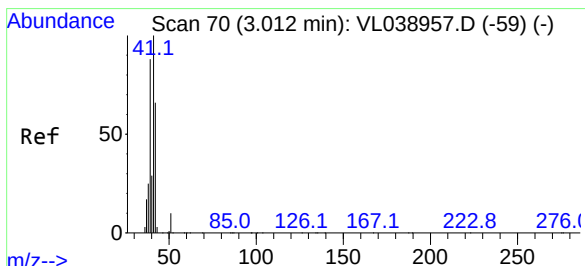
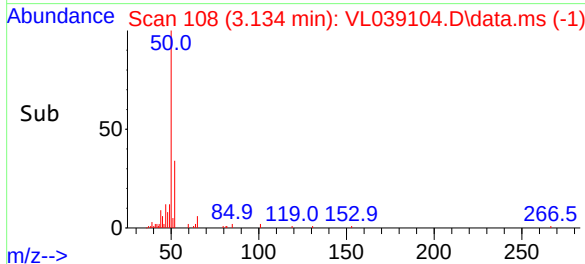
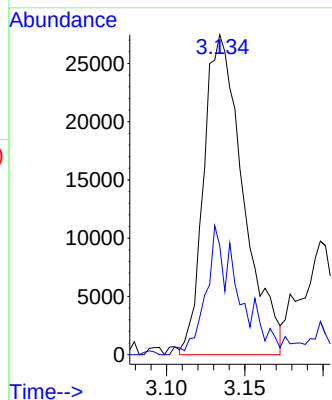
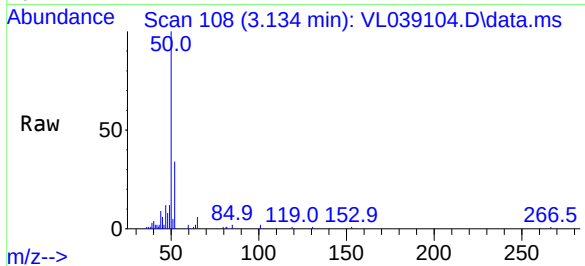
#4
Chloromethane
Concen: 0.701 ppbv m
RT: 3.134 min Scan# 111
Delta R.T. -0.010 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24

Instrument :
MSVOA_L
ClientSampleId :
AP-3

Tgt Ion: 50 Resp: 48130
Ion Ratio Lower Upper
50 100
52 34.1 27.3 40.9

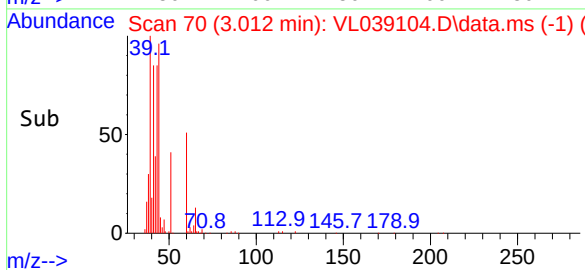
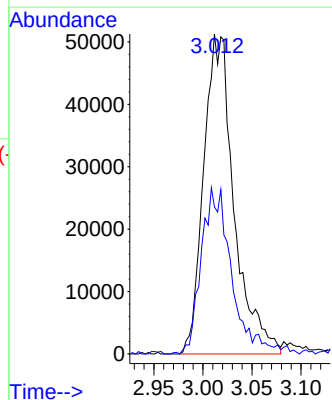
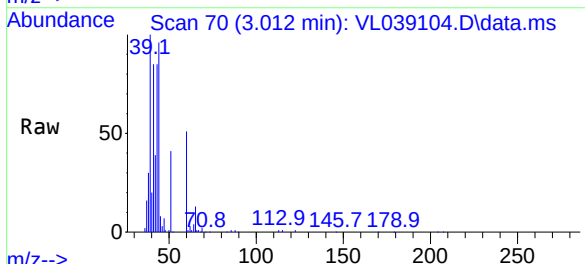
Manual Integrations
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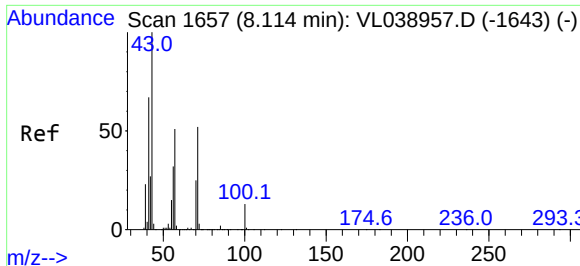
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#9
Propene
Concen: 1.845 ppbv m
RT: 3.012 min Scan# 70
Delta R.T. -0.000 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24

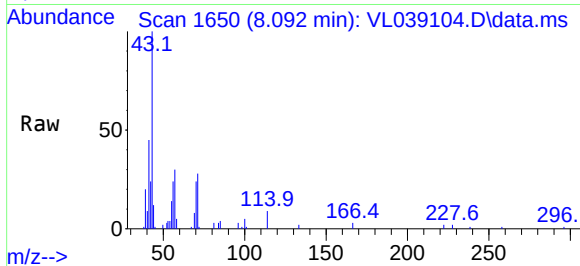
Tgt Ion: 41 Resp: 110530
Ion Ratio Lower Upper
41 100
42 370.9 58.3 87.5#





#10
Heptane
Concen: 0.233 ppbv m
RT: 8.092 min Scan# 1
Delta R.T. -0.023 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24

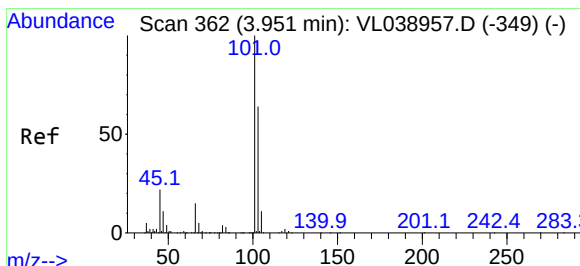
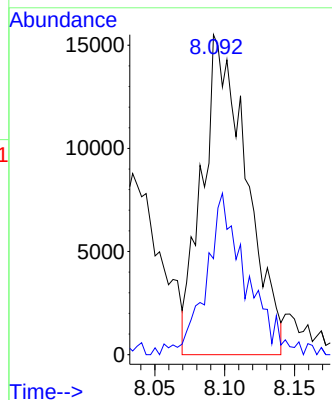
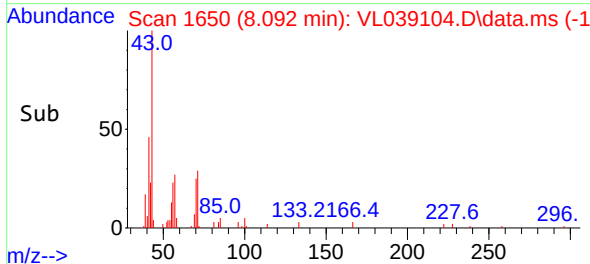
Instrument :
MSVOA_L
ClientSampleId :
AP-3



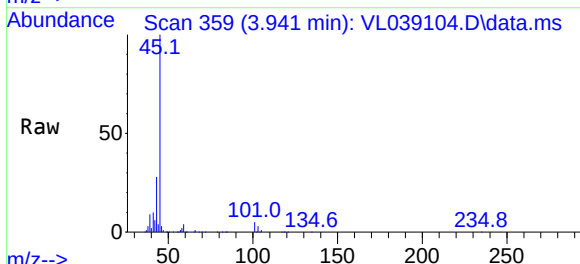
Tgt Ion: 43 Resp: 3420
Ion Ratio Lower Upper
43 100
57 47.1 40.5 60.7

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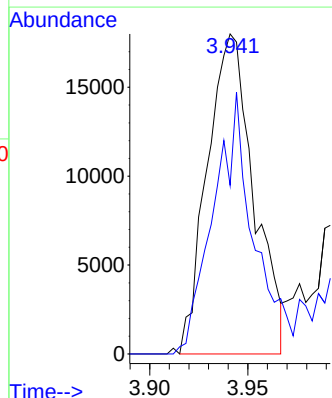
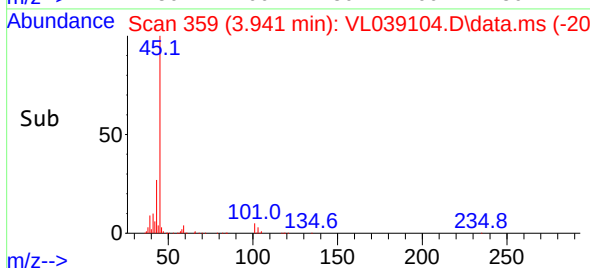
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

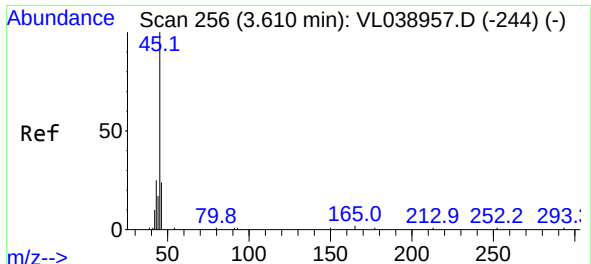


#11
Trichlorofluoromethane
Concen: 0.200 ppbv m
RT: 3.941 min Scan# 359
Delta R.T. -0.010 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24



Tgt Ion:101 Resp: 29671
Ion Ratio Lower Upper
101 100
103 52.7 51.5 77.3





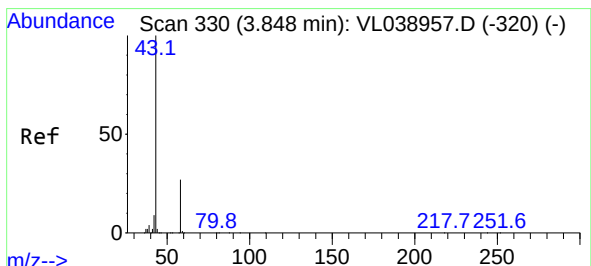
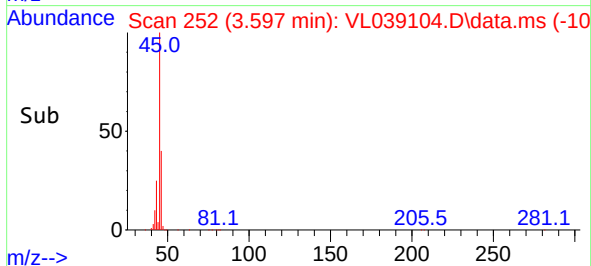
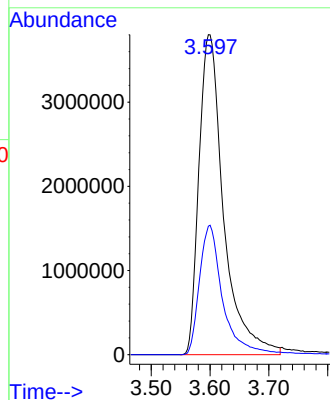
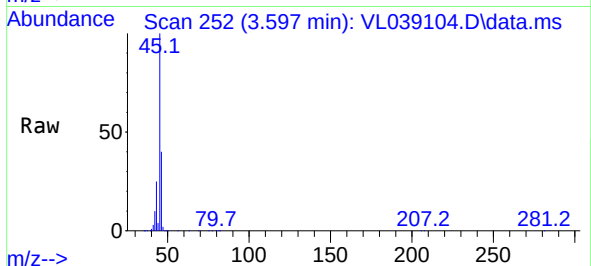
#13
Ethanol
Concen: 2603.922 ppbv
RT: 3.597 min Scan# 211
Delta R.T. -0.013 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24

Instrument :
MSVOA_L
ClientSampleId :
AP-3

Tgt Ion: 45 Resp: 1104021
Ion Ratio Lower Upper
45 100
46 39.1 18.0 72.2

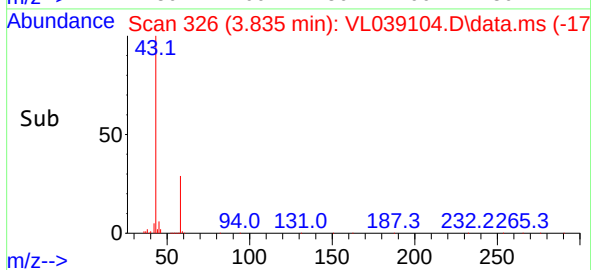
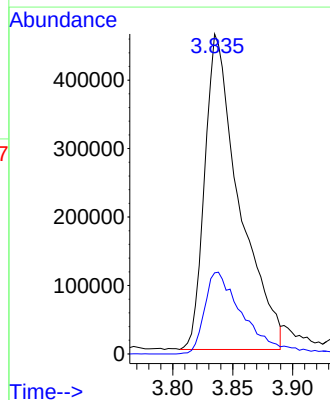
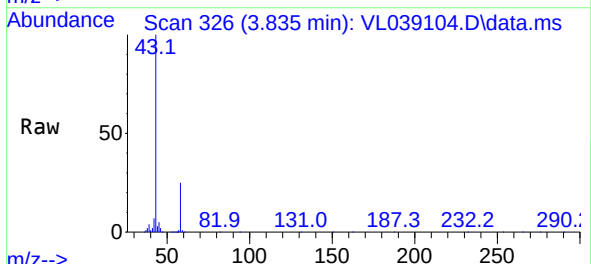
Manual Integrations
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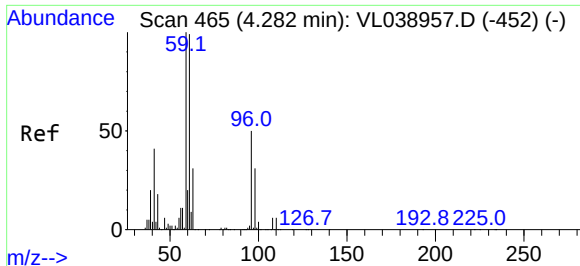
Reviewed By : Semsettin Yesilyurt 05/25/2022
Supervised By : Mahesh Dadoda 05/26/2022



#15
Acetone
Concen: 8.848 ppbv
RT: 3.835 min Scan# 326
Delta R.T. -0.013 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24

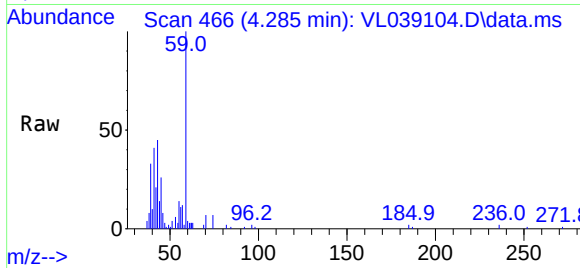
Tgt Ion: 43 Resp: 922794
Ion Ratio Lower Upper
43 100
58 29.3 21.3 31.9





#17
tert-Butyl alcohol
Concen: 0.520 ppbv m
RT: 4.285 min Scan# 4168
Delta R.T. 0.003 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24

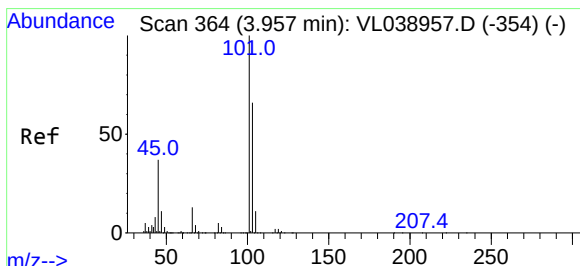
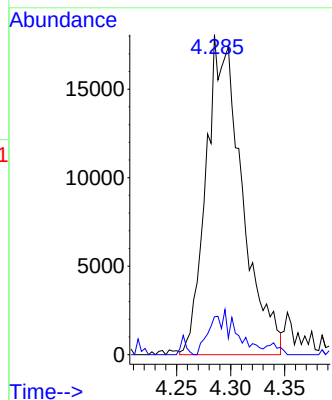
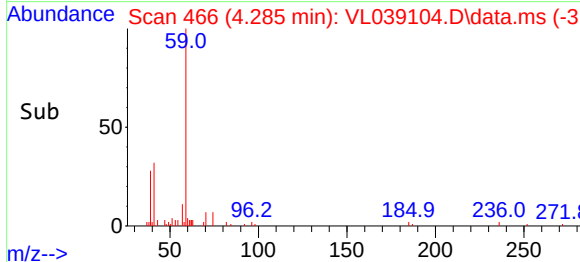
Instrument :
MSVOA_L
ClientSampleId :
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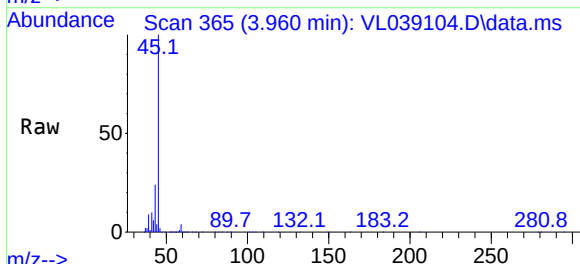
Tgt Ion: 59 Resp: 4168
Ion Ratio Lower Upper
59 100
57 38.1 9.2 13.8

Manual Integrations
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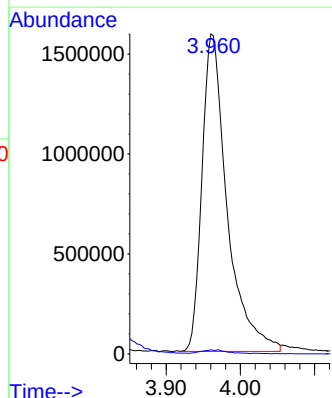
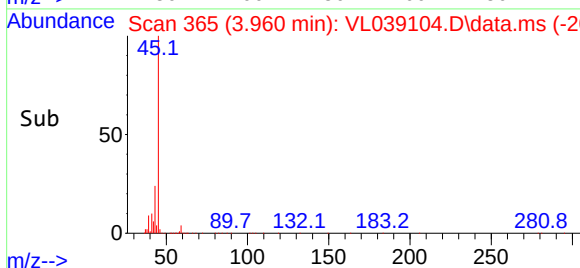
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

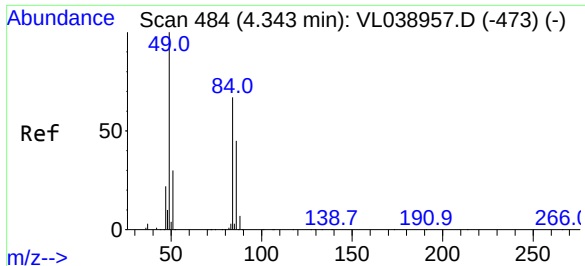


#19
Isopropyl Alcohol
Concen: 75.385 ppbv
RT: 3.960 min Scan# 365
Delta R.T. 0.003 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24



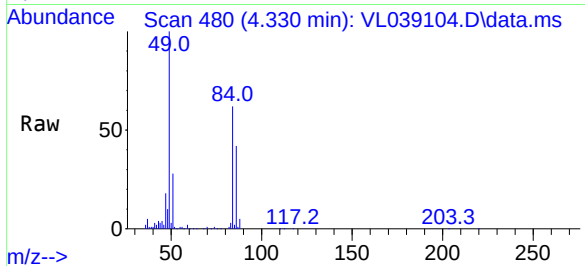
Tgt Ion: 45 Resp: 3738040
Ion Ratio Lower Upper
45 100
58 1.5 1.4 2.2





#20
Methylene Chloride
Concen: 2.931 ppbv
RT: 4.330 min Scan# 411
Delta R.T. -0.013 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24

Instrument :
MSVOA_L
ClientSampleId :
AP-3

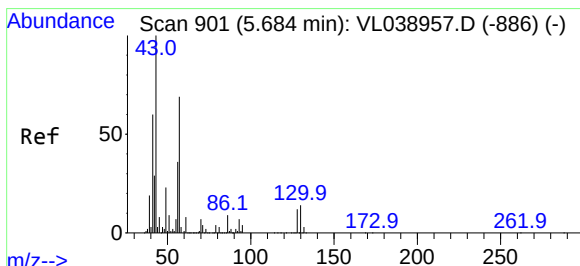
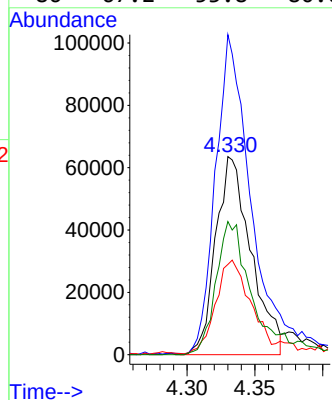
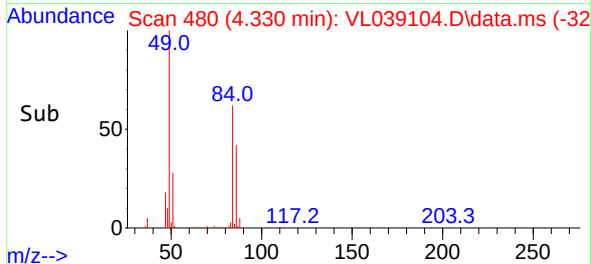


Tgt Ion: 84 Resp: 115199

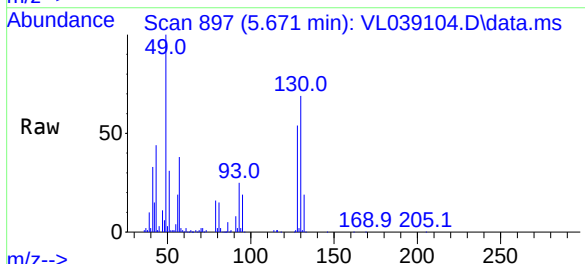
Ion	Ratio	Lower	Upper
84	100		
49	160.2	119.9	179.9
51	45.0	35.7	53.5
86	67.2	53.8	80.6

Manual Integrations
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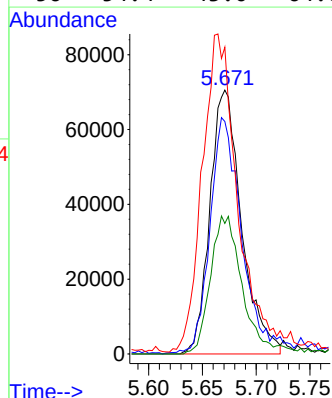
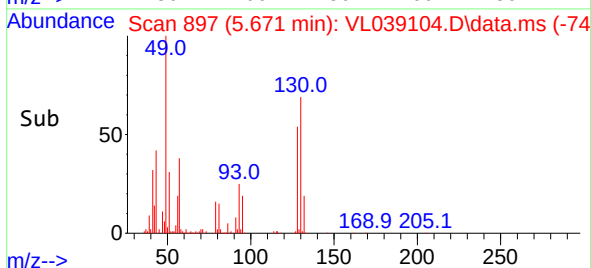


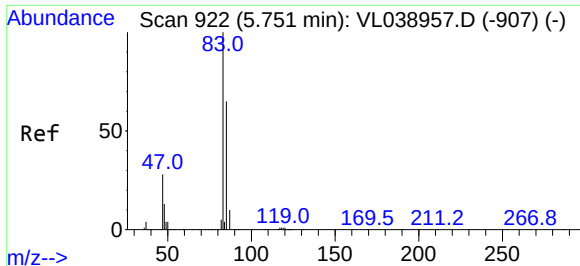
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Hexane
Concen: 1.300 ppbv
RT: 5.671 min Scan# 897
Delta R.T. -0.013 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24



Tgt Ion: 57 Resp: 144221

Ion	Ratio	Lower	Upper
57	100		
41	95.0	75.2	112.8
43	138.5	190.8	286.2#
56	54.4	43.0	64.6





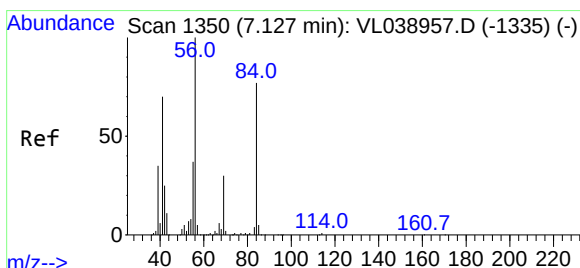
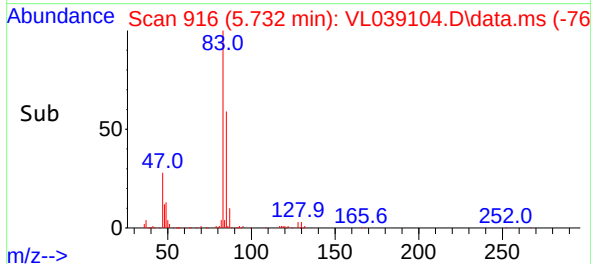
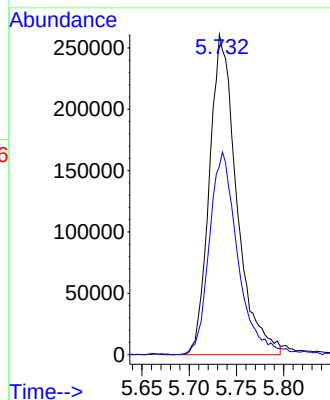
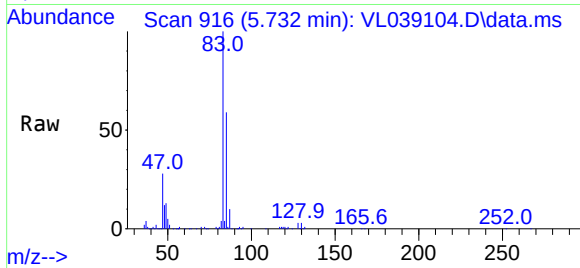
#29
Chloroform
Concen: 2.931 ppbv
RT: 5.732 min Scan# 916
Delta R.T. -0.019 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24

Instrument : MSVOA_L
ClientSampleId : AP-3

Tgt Ion: 83 Resp: 52592
Ion Ratio Lower Upper
83 100
85 58.8 51.8 77.6

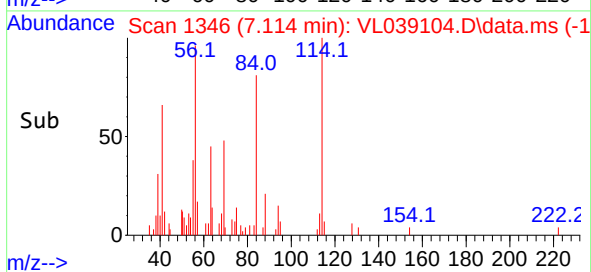
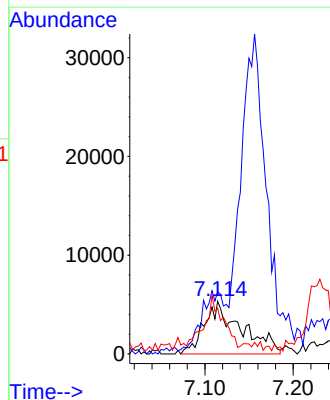
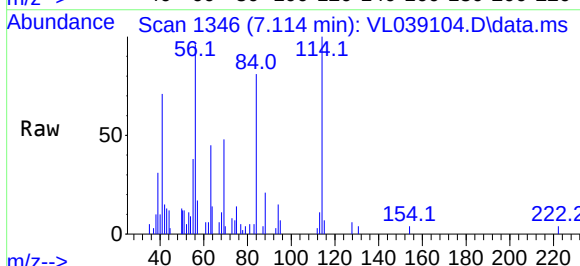
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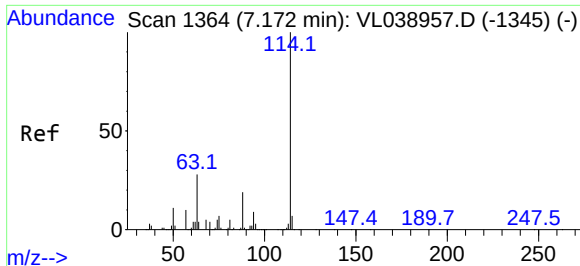
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#30
Cyclohexane
Concen: 0.166 ppbv m
RT: 7.114 min Scan# 1346
Delta R.T. -0.013 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24

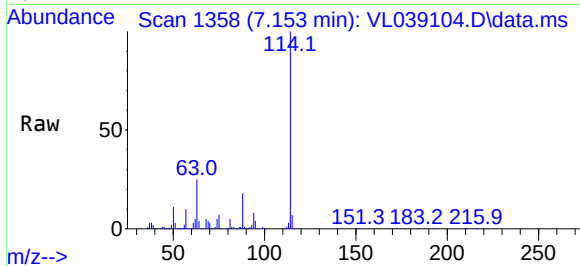
Tgt Ion: 84 Resp: 15431
Ion Ratio Lower Upper
84 100
56 0.0 115.3 172.9#
41 66.1 72.0 108.0#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.153 min Scan# 114
Delta R.T. -0.019 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24

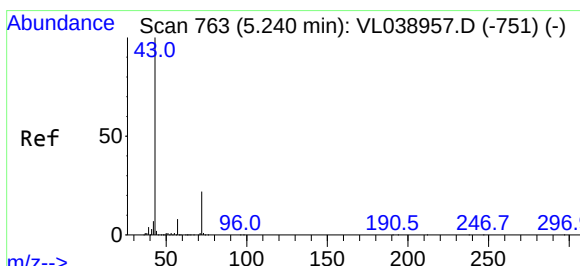
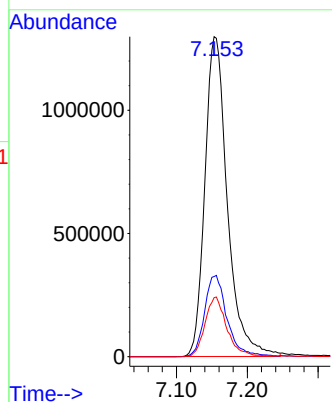
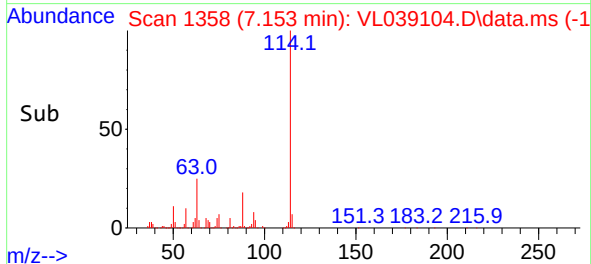
Instrument :
MSVOA_L
ClientSampleId :
AP-3



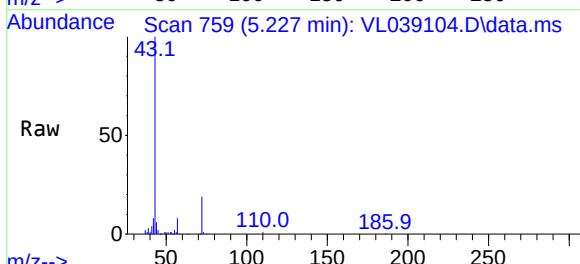
Tgt Ion:114 Resp: 2861619
Ion Ratio Lower Upper
114 100
63 25.6 22.6 33.8
88 18.5 15.4 23.0

Manual Integrations
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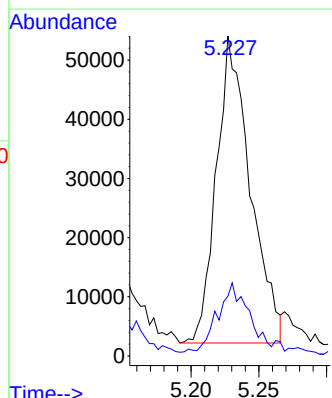
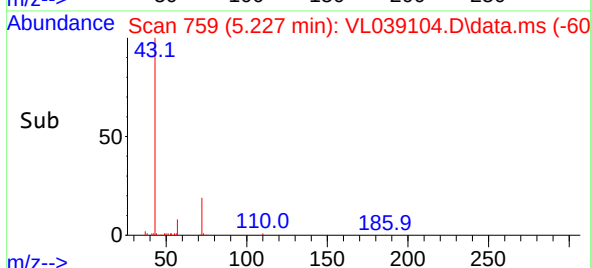
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

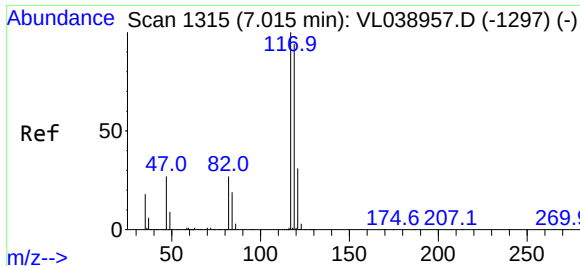


#34
2-Butanone
Concen: 0.618 ppbv
RT: 5.227 min Scan# 759
Delta R.T. -0.013 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24



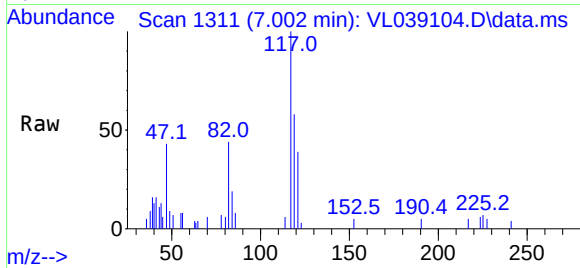
Tgt Ion: 43 Resp: 90179
Ion Ratio Lower Upper
43 100
72 26.9 17.8 26.6#





#35
Carbon Tetrachloride
Concen: 0.054 ppbv m
RT: 7.002 min Scan# 117
Delta R.T. -0.013 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24

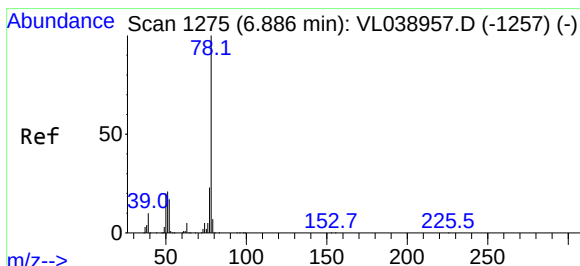
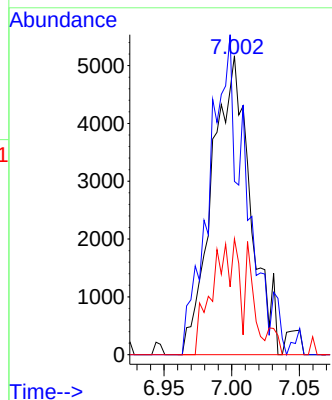
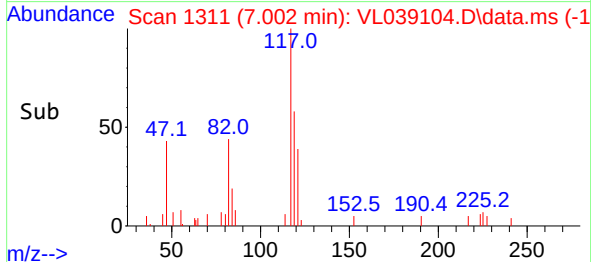
Instrument :
MSVOA_L
ClientSampleId :
AP-3



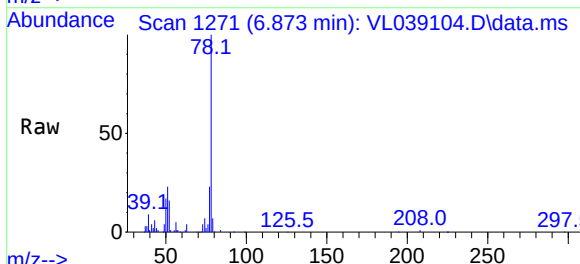
Tgt Ion: 117 Resp: 1017
Ion Ratio Lower Upper
117 100
119 58.0 75.2 112.8
121 38.8 24.6 37.0

Manual Integrations
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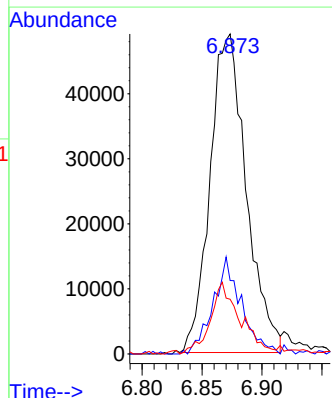
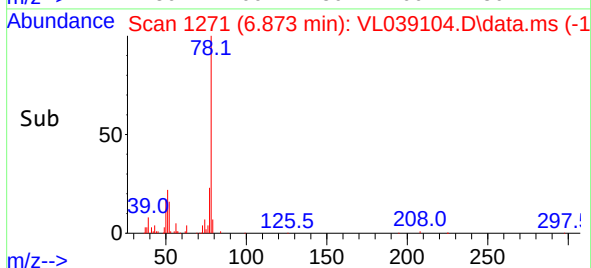
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

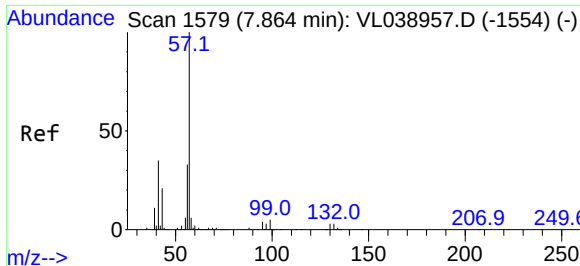


#36
Benzene
Concen: 0.420 ppbv
RT: 6.873 min Scan# 1271
Delta R.T. -0.013 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24



Tgt Ion: 78 Resp: 102971
Ion Ratio Lower Upper
78 100
77 23.2 18.6 28.0
50 17.3 15.6 23.4





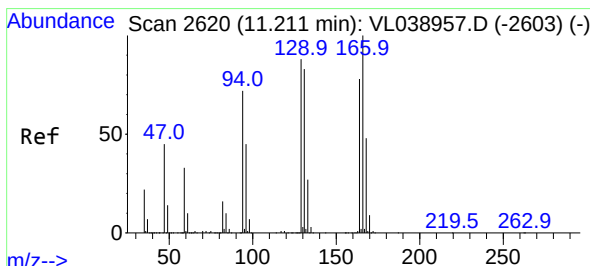
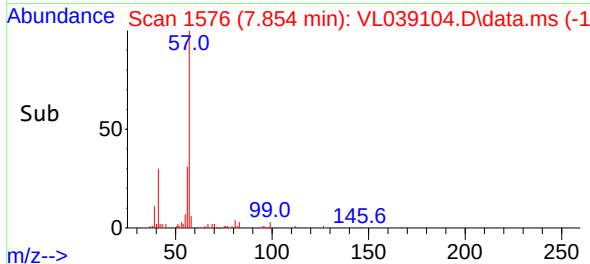
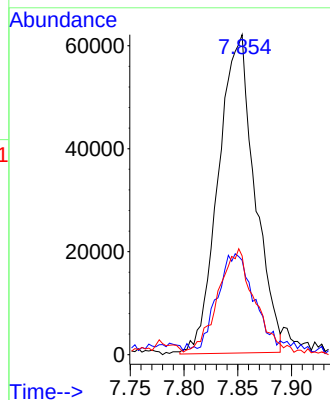
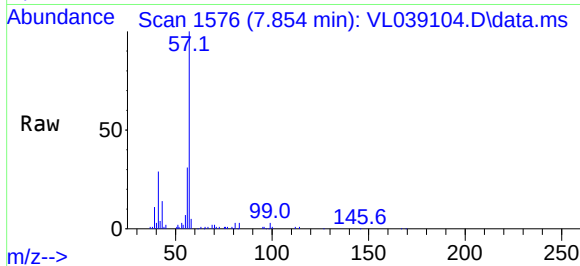
#44
2,2,4-Trimethylpentane
Concen: 0.338 ppbv
RT: 7.854 min Scan# 1579
Delta R.T. -0.010 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24

Instrument : MSVOA_L
ClientSampleId : AP-3

Tgt Ion: 57 Resp: 145250
Ion Ratio Lower Upper
57 100
41 34.7 26.3 39.5
56 34.7 24.6 37.0

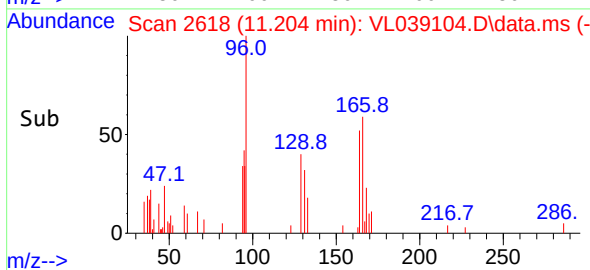
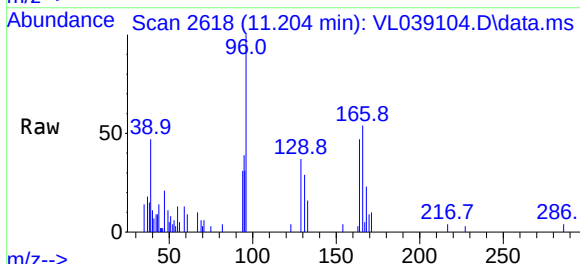
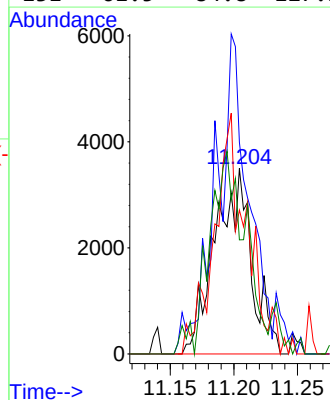
Manual Integrations
APPROVED

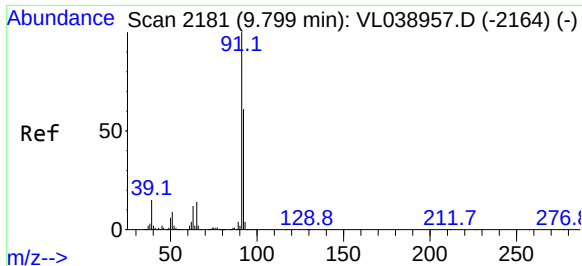
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#52
Tetrachloroethene
Concen: 0.080 ppbv m
RT: 11.204 min Scan# 2618
Delta R.T. -0.006 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24

Tgt Ion:164 Resp: 6974
Ion Ratio Lower Upper
164 100
166 114.1 102.5 153.7
129 77.5 90.1 135.1#
131 61.5 84.8 127.2#





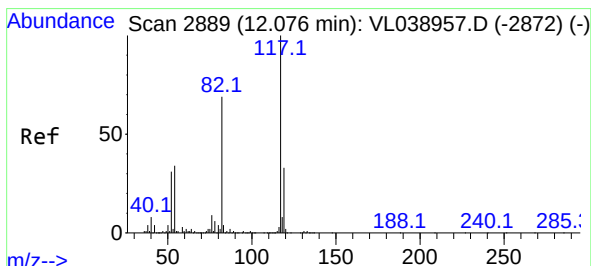
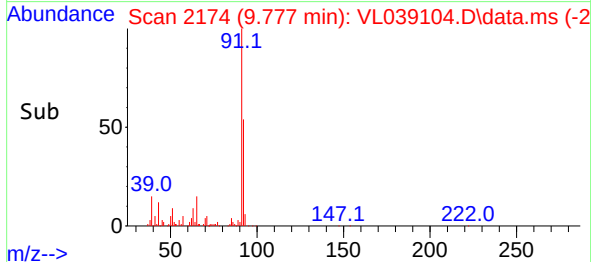
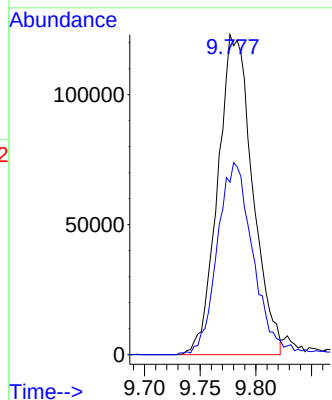
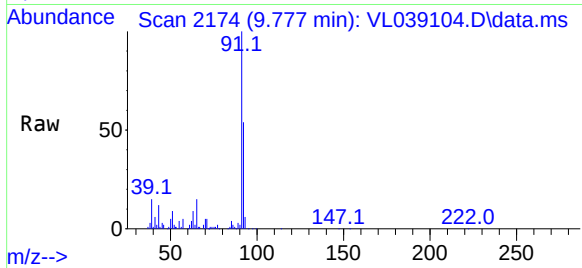
#53
Toluene
Concen: 0.975 ppbv
RT: 9.777 min Scan# 2181
Delta R.T. -0.023 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24

Instrument :
MSVOA_L
ClientSampleId :
AP-3

Tgt Ion: 91 Resp: 26749
Ion Ratio Lower Upper
91 100
92 63.0 48.2 72.2

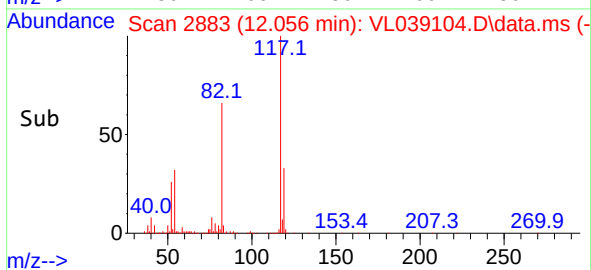
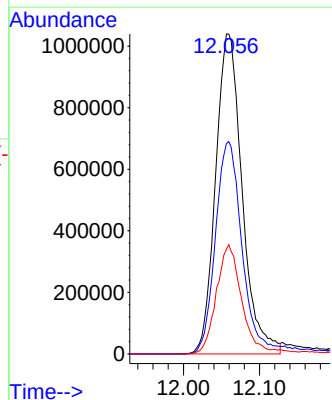
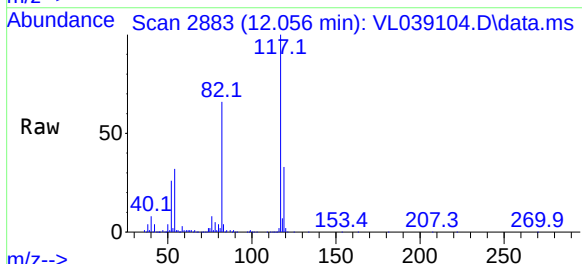
Manual Integrations
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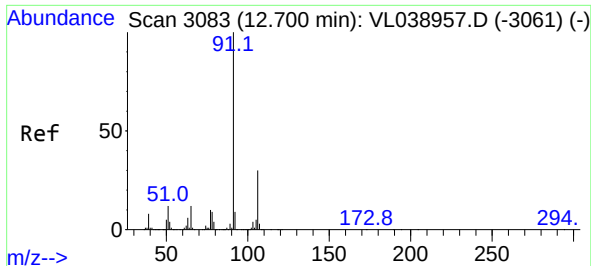
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.056 min Scan# 2883
Delta R.T. -0.019 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24

Tgt Ion:117 Resp: 2519975
Ion Ratio Lower Upper
117 100
82 70.5 57.0 85.6
119 34.0 27.2 40.8





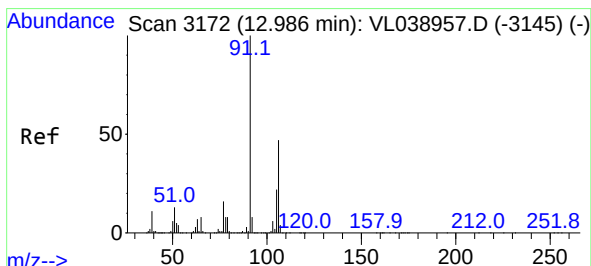
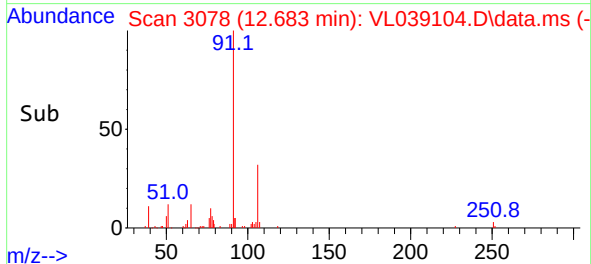
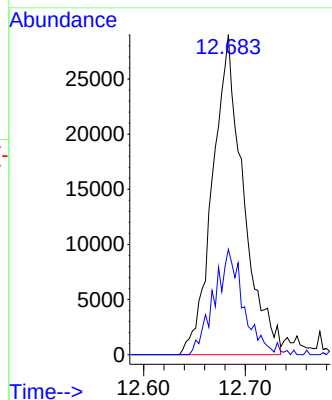
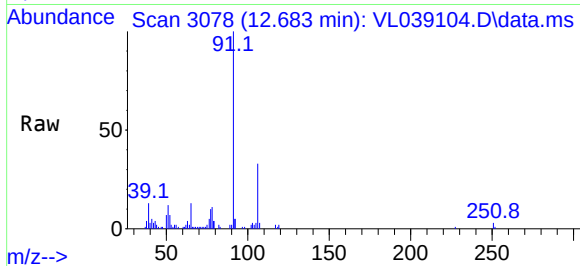
#58
Ethyl Benzene
Concen: 0.168 ppbv m
RT: 12.683 min Scan# 3083
Delta R.T. -0.016 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24

Instrument :
MSVOA_L
ClientSampleId :
AP-3

Tgt Ion: 91 Resp: 6104
Ion Ratio Lower Upper
91 100
106 32.9 24.2 36.4

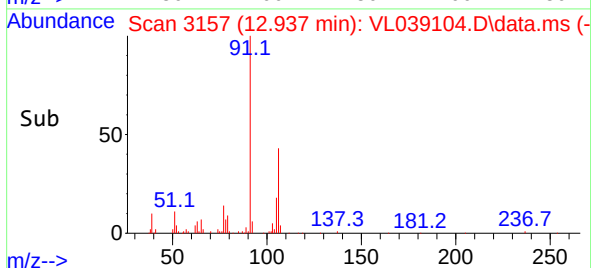
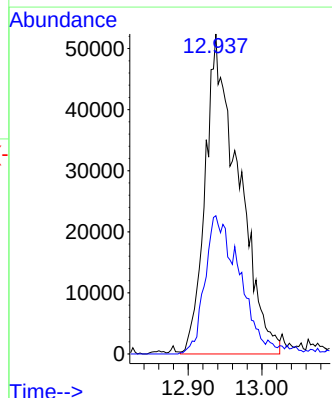
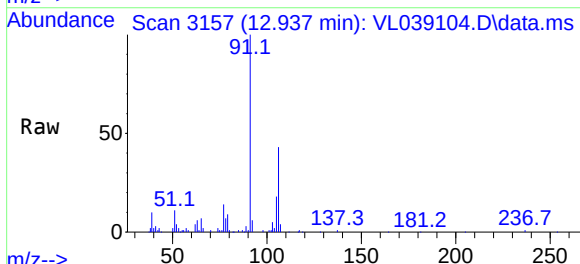
Manual Integrations
APPROVED

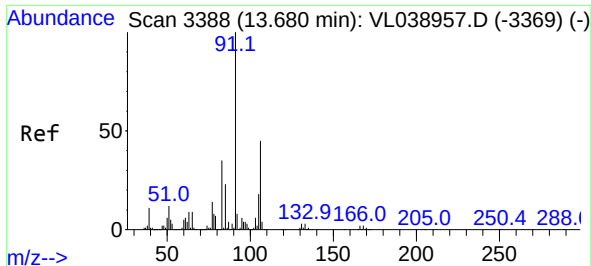
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#59
m/p-Xylene
Concen: 0.530 ppbv m
RT: 12.937 min Scan# 3157
Delta R.T. -0.048 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24

Tgt Ion: 91 Resp: 164219
Ion Ratio Lower Upper
91 100
106 0.0 34.6 52.0#





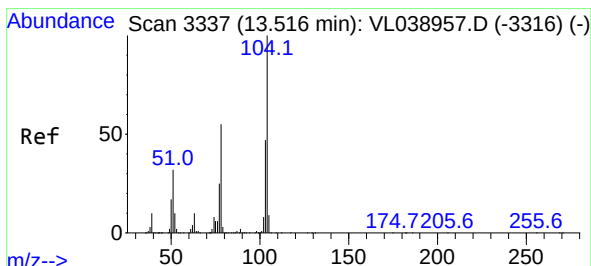
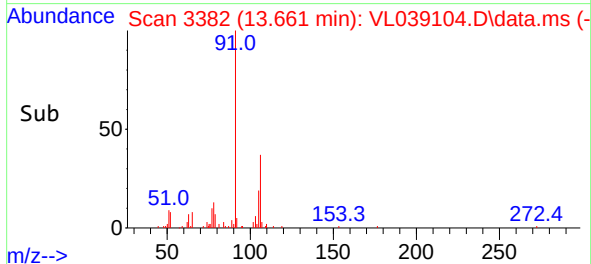
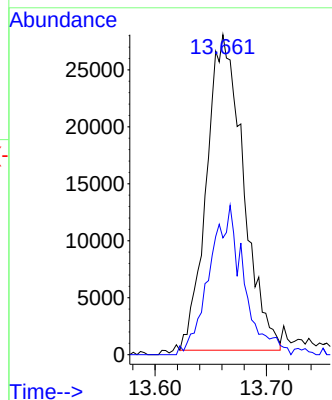
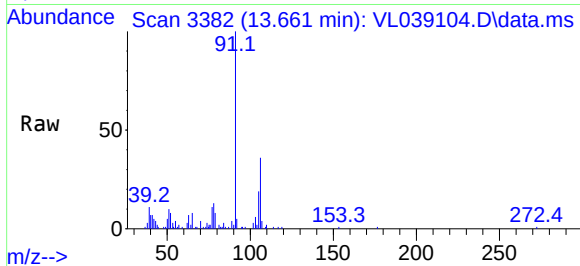
#60
o-Xylene
Concen: 0.217 ppbv
RT: 13.661 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24

Instrument :
MSVOA_L
ClientSampleId :
AP-3

Tgt Ion: 91 Resp: 6334
Ion Ratio Lower Upper
91 100
106 45.4 22.2 66.6

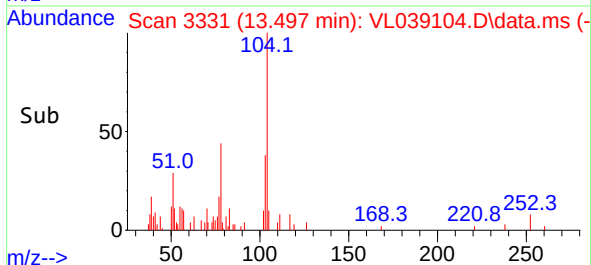
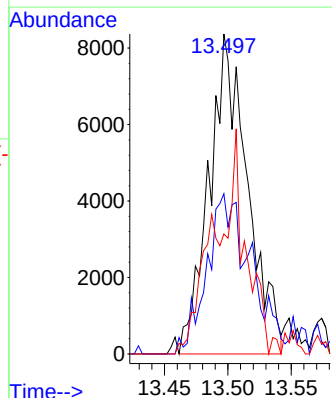
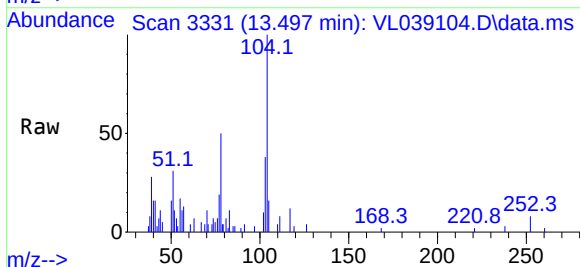
Manual Integrations
APPROVED

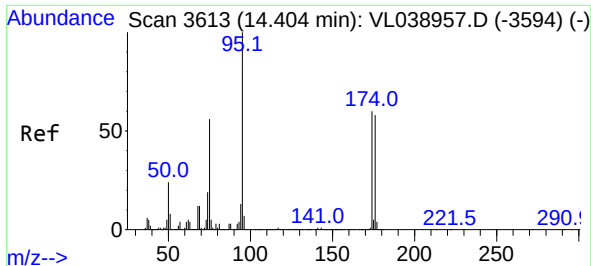
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#61
Styrene
Concen: 0.113 ppbv m
RT: 13.497 min Scan# 3331
Delta R.T. -0.019 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24

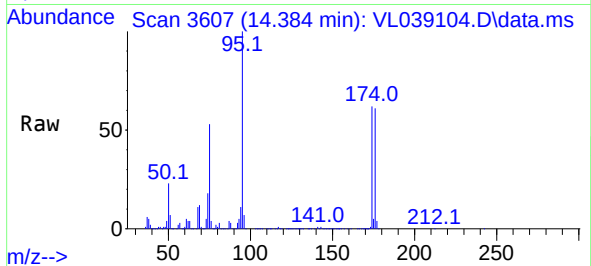
Tgt Ion:104 Resp: 17638
Ion Ratio Lower Upper
104 100
78 60.4 46.4 69.6
103 0.0 39.3 58.9#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.006 ppbv
RT: 14.384 min Scan# 30
Delta R.T. -0.019 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24

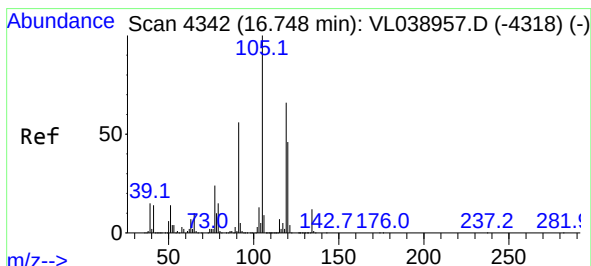
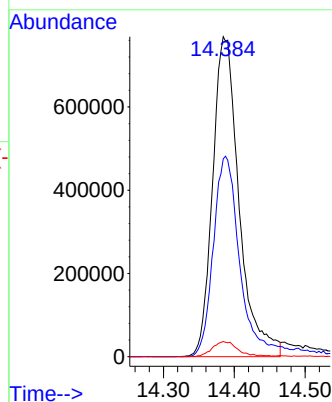
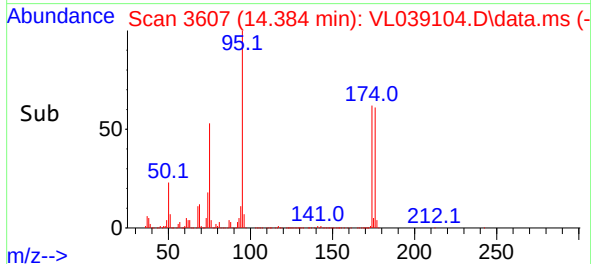
Instrument :
MSVOA_L
ClientSampleId :
AP-3



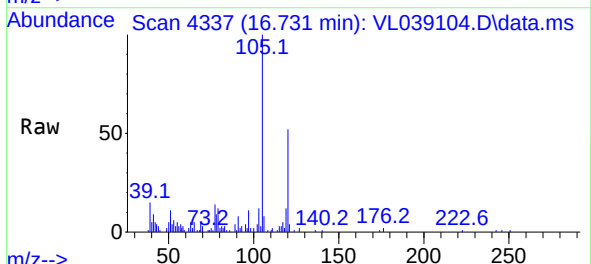
Tgt Ion: 95 Resp: 1996790
Ion Ratio Lower Upper
95 100
174 65.8 50.8 76.2
175 4.8 3.8 5.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.199 ppbv m
RT: 16.731 min Scan# 4337
Delta R.T. -0.016 min
Lab File: VL039104.D
Acq: 24 May 2022 4:24



Tgt Ion:105 Resp: 65187
Ion Ratio Lower Upper
105 100
120 52.5 36.9 55.3
91 8.5 45.0 67.4#
77 14.1 19.2 28.8#

