

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052322\
 Data File : VL039110.D
 Acq On : 24 May 2022 8:20
 Operator : SY/AP
 Sample : N2991-01 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2

Manual Integrations
 APPROVED

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

Quant Time: May 24 09:09:10 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 26 13:07:08 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	1234482	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.153	114	3121675	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.053	117	2752157	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.378	95	2166802	9.941	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.400%
Target Compounds						
					Qvalue	
9) Propene	3.002	41	188542	2.818	ppbv	89
10) Heptane	8.095	43	209314	1.275	ppbv	97
13) Ethanol	3.587	45	1162343	245.526	ppbv	87
15) Acetone	3.828	43	9052033	77.734	ppbv	94
17) tert-Butyl alcohol	4.278	59	112617	1.258	ppbv	98
19) Isopropyl Alcohol	3.947	45	488131	8.816	ppbv #	1
20) Methylene Chloride	4.327	84	69883	1.592	ppbv	95
26) Hexane	5.667	57	279233	2.255	ppbv #	39
27) Carbon Disulfide	4.539	76	23974	0.204	ppbv #	76
30) Cyclohexane	7.111	84	52877m	0.510	ppbv	
34) 2-Butanone	5.224	43	91849m	0.577	ppbv	
36) Benzene	6.867	78	349867	1.310	ppbv	94
44) 2,2,4-Trimethylpentane	7.844	57	634451	1.353	ppbv #	92
52) Tetrachloroethene	11.188	164	77811	0.815	ppbv #	85
53) Toluene	9.773	91	1781815	5.951	ppbv	99
58) Ethyl Benzene	12.680	91	441172	1.114	ppbv	95
59) m/p-Xylene	12.931	91	1458136m	4.312	ppbv	
60) o-Xylene	13.657	91	256329	0.805	ppbv	98
62) Isopropylbenzene	14.635	105	1293964	2.780	ppbv	100
64) n-propylbenzene	15.532	120	26726m	0.238	ppbv	
72) 4-Ethyltoluene	15.805	105	185857	0.513	ppbv	99
73) 1,3,5-Trimethylbenzene	15.956	105	86853m	0.266	ppbv	
74) 1,2,4-Trimethylbenzene	16.725	105	286618	0.802	ppbv #	65

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

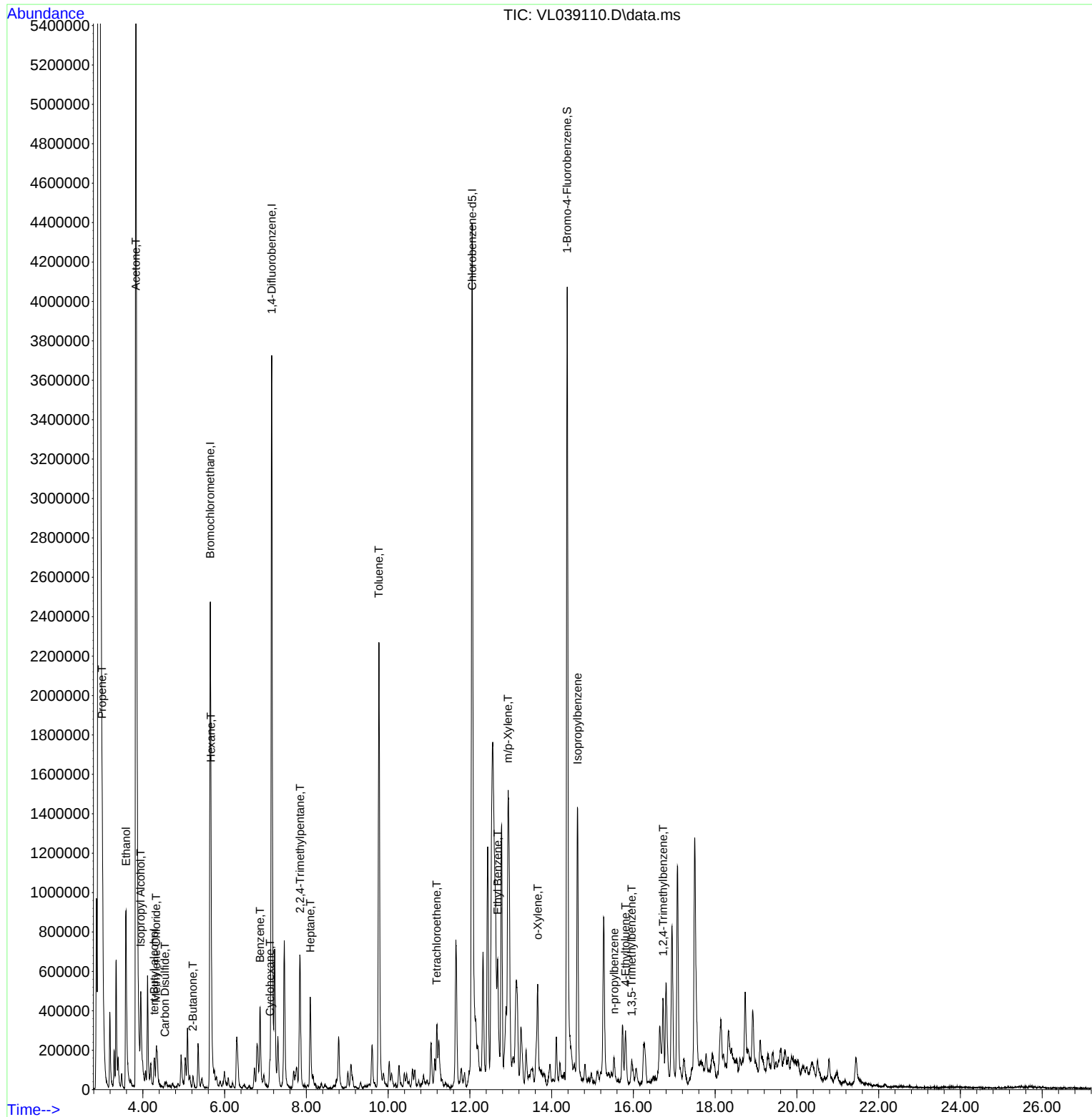
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052322\
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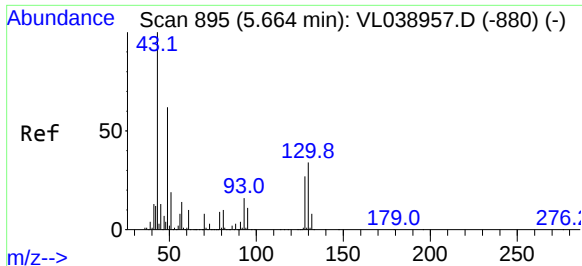
Instrument :
MSVOA_L
ClientSampleId :
SG-2

Quant Time: May 24 09:09:10 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

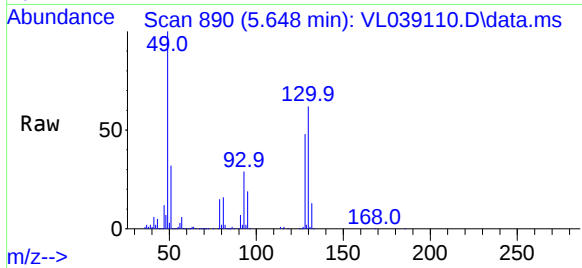
Reviewed By : Semsettin Yesilyurt 05/25/2022
Supervised By : Mahesh Dadoda 05/26/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.648 min Scan# 89
Delta R.T. -0.016 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20

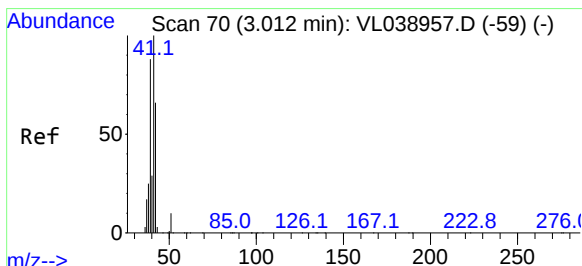
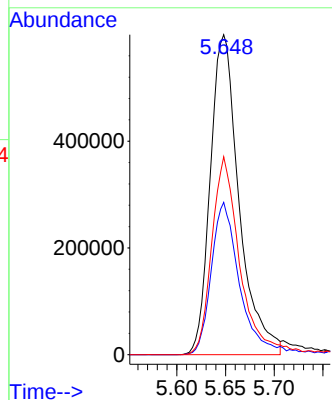
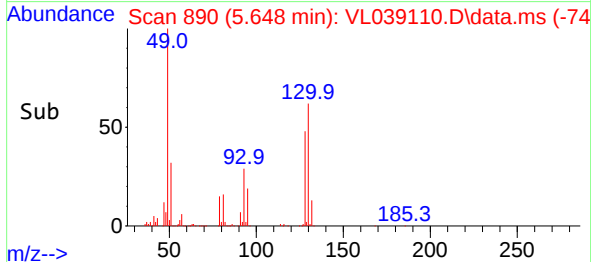
Instrument :
MSVOA_L
ClientSampleId :
SG-2



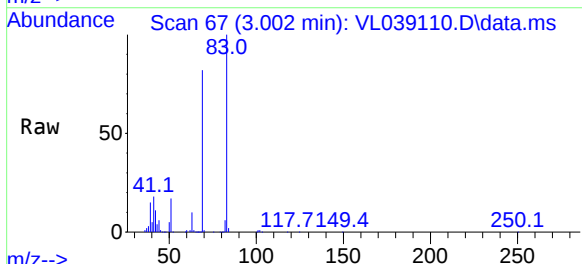
Tgt Ion: 49 Resp: 123448
Ion Ratio Lower Upper
49 100
128 48.2 23.3 69.8
130 62.3 29.8 89.3

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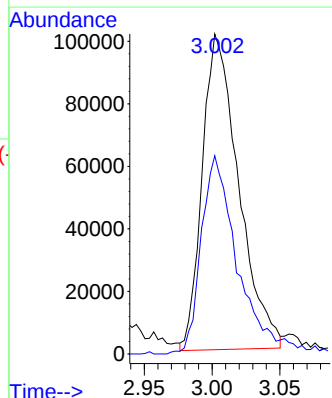
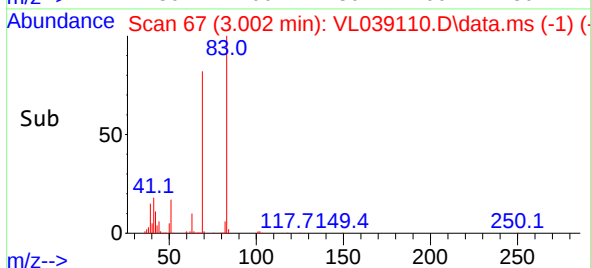
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

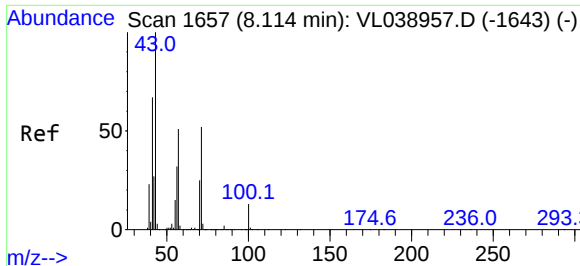


#9
Propene
Concen: 2.818 ppbv
RT: 3.002 min Scan# 67
Delta R.T. -0.010 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20



Tgt Ion: 41 Resp: 188542
Ion Ratio Lower Upper
41 100
42 63.3 58.3 87.5





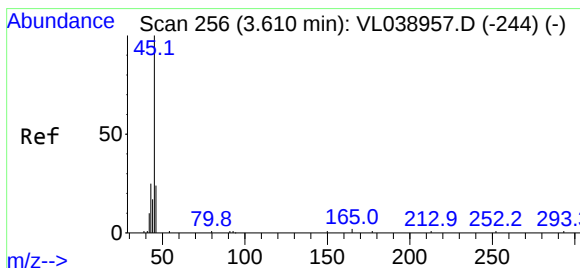
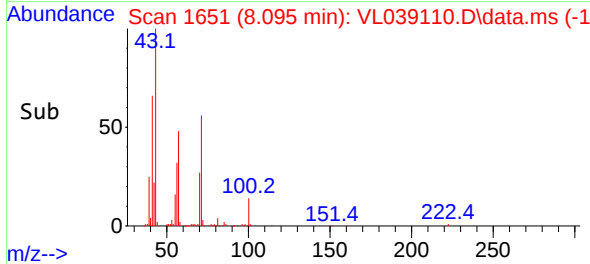
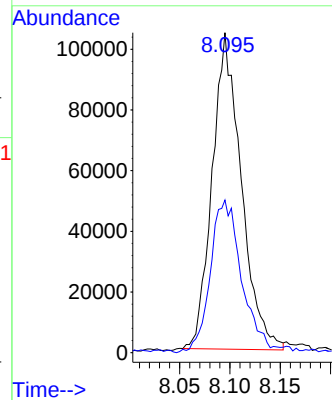
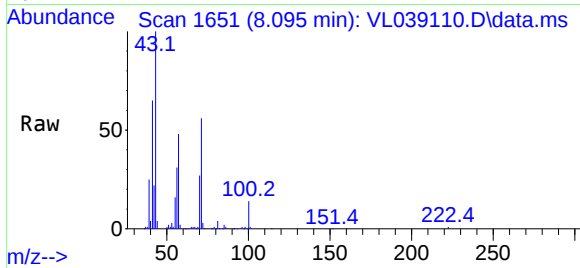
#10
Heptane
Concen: 1.275 ppbv
RT: 8.095 min Scan# 11
Delta R.T. -0.019 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion: 43 Resp: 209314
Ion Ratio Lower Upper
43 100
57 52.9 40.5 60.7

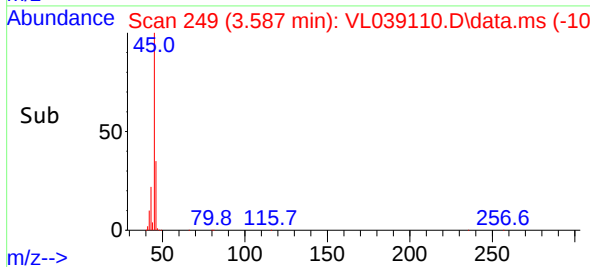
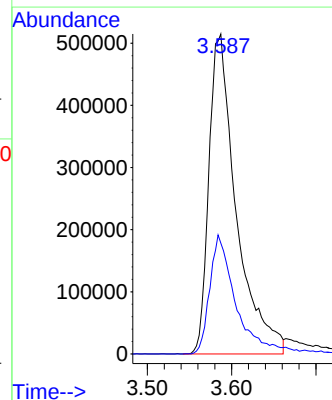
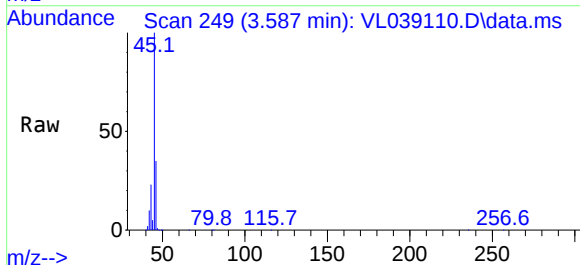
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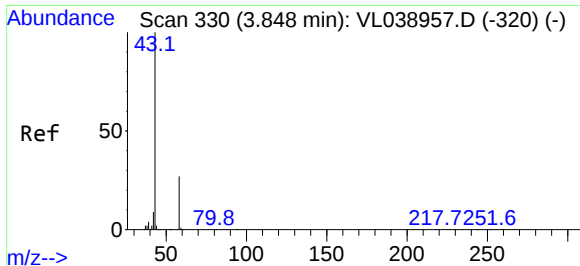
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#13
Ethanol
Concen: 245.526 ppbv
RT: 3.587 min Scan# 249
Delta R.T. -0.023 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20

Tgt Ion: 45 Resp: 1162343
Ion Ratio Lower Upper
45 100
46 36.6 18.0 72.2





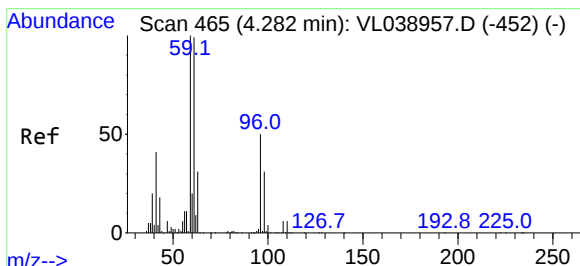
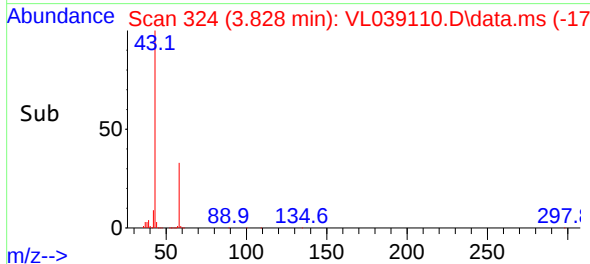
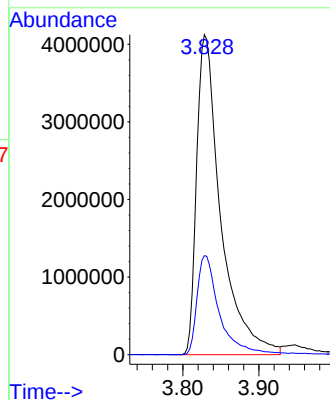
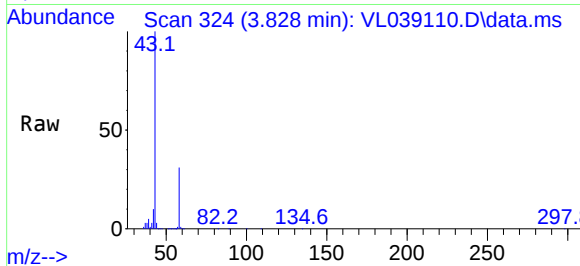
#15
Acetone
Concen: 77.734 ppbv
RT: 3.828 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion: 43 Resp: 905203
Ion Ratio Lower Upper
43 100
58 29.6 21.3 31.9

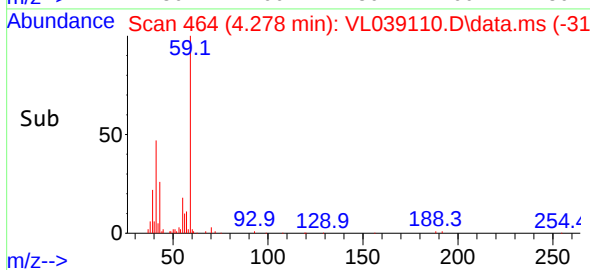
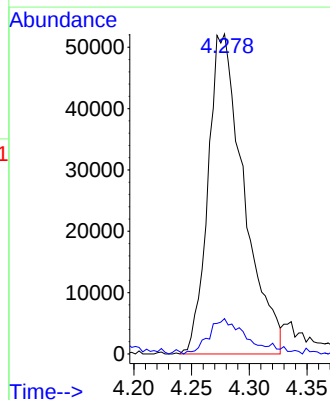
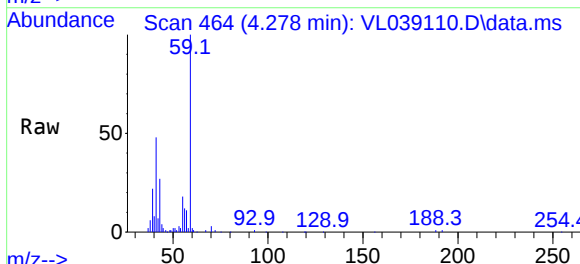
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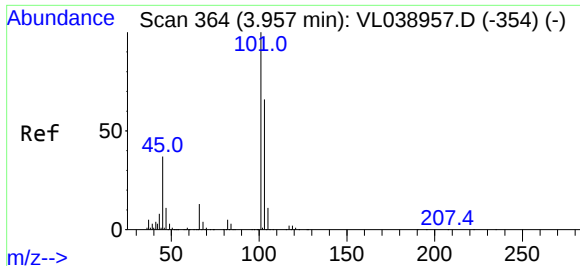
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#17
tert-Butyl alcohol
Concen: 1.258 ppbv
RT: 4.278 min Scan# 464
Delta R.T. -0.003 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20

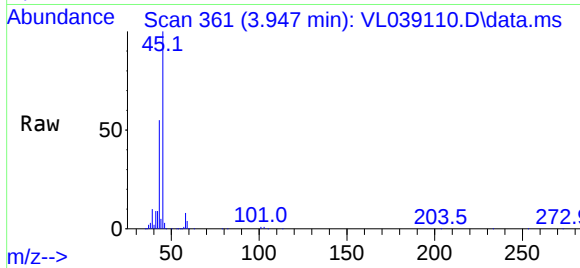
Tgt Ion: 59 Resp: 112617
Ion Ratio Lower Upper
59 100
57 12.4 9.2 13.8





#19
Isopropyl Alcohol
Concen: 8.816 ppbv
RT: 3.947 min Scan# 30
Delta R.T. -0.010 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20

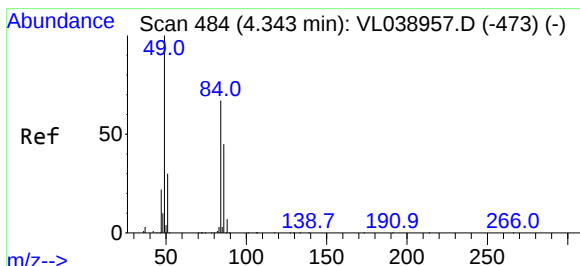
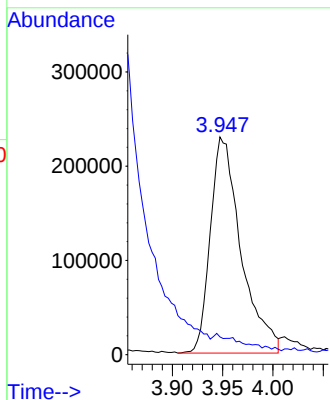
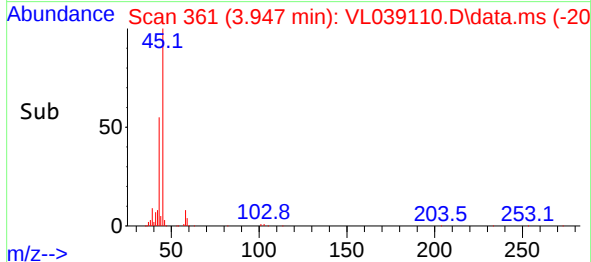
Instrument :
MSVOA_L
ClientSampleId :
SG-2



Tgt Ion: 45 Resp: 48813
Ion Ratio Lower Upper
45 100
58 548.9 1.4 2.2

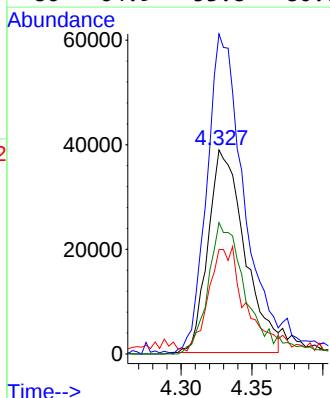
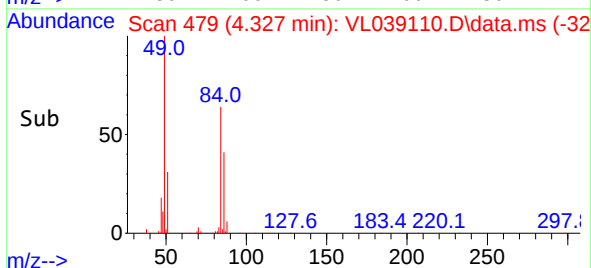
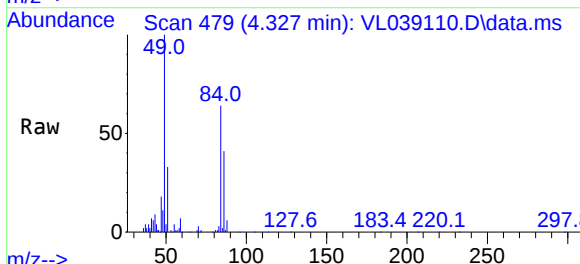
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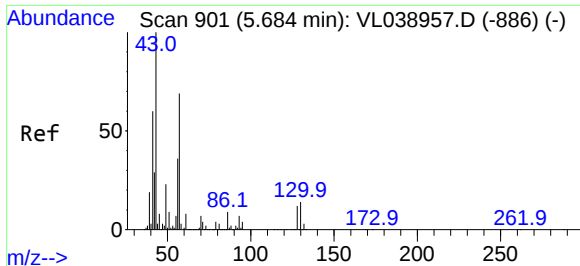
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#20
Methylene Chloride
Concen: 1.592 ppbv
RT: 4.327 min Scan# 479
Delta R.T. -0.016 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20

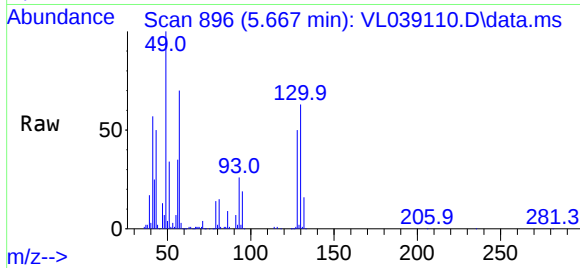
Tgt Ion: 84 Resp: 69883
Ion Ratio Lower Upper
84 100
49 155.7 119.9 179.9
51 49.1 35.7 53.5
86 64.9 53.8 80.6





#26
Hexane
Concen: 2.255 ppbv
RT: 5.667 min Scan# 896
Delta R.T. -0.016 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20

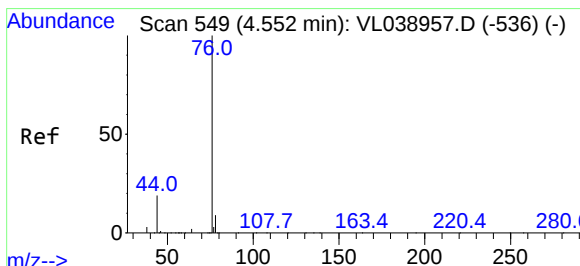
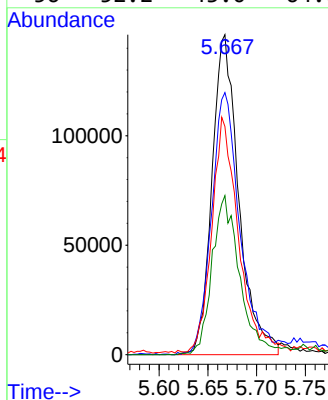
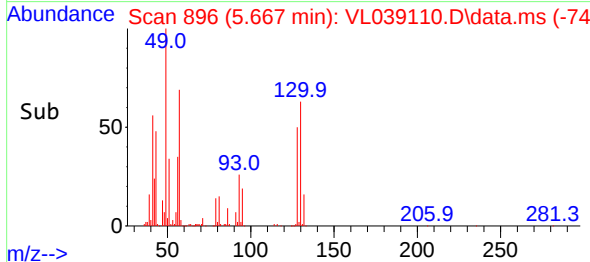
Instrument :
MSVOA_L
ClientSampleId :
SG-2



Tgt Ion: 57 Resp: 27923
Ion Ratio Lower Upper
57 100
41 88.6 75.2 112.8
43 75.9 190.8 286.2
56 52.2 43.0 64.6

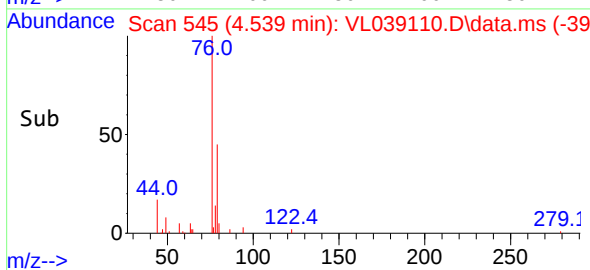
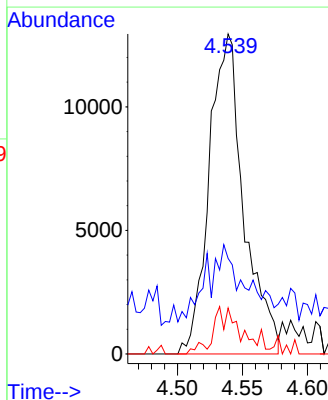
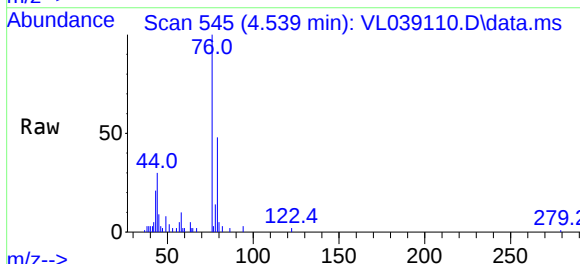
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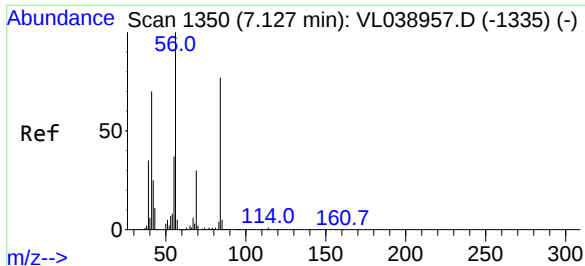
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#27
Carbon Disulfide
Concen: 0.204 ppbv
RT: 4.539 min Scan# 545
Delta R.T. -0.013 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20

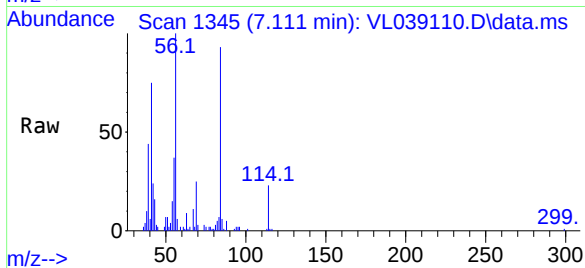
Tgt Ion: 76 Resp: 23974
Ion Ratio Lower Upper
76 100
44 34.3 15.3 22.9#
78 12.9 8.2 12.2#





#30
Cyclohexane
Concen: 0.510 ppbv m
RT: 7.111 min Scan# 1345
Delta R.T. -0.016 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20

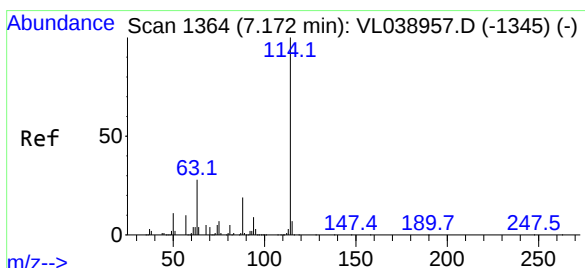
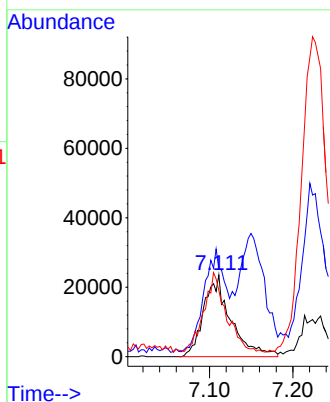
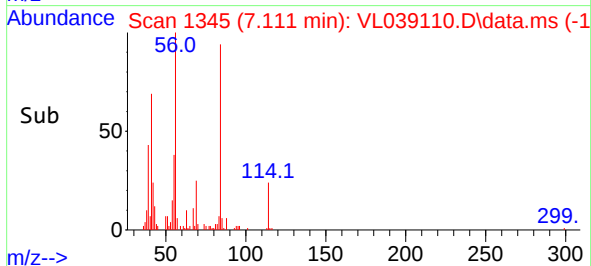
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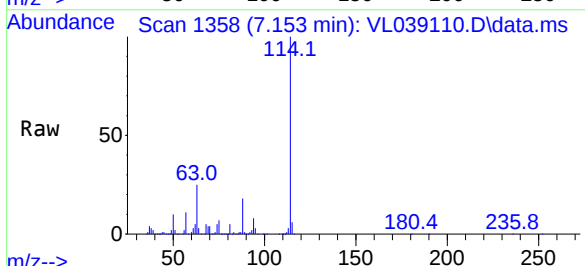
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Ion Ratio Lower Upper
84 100
56 0.0 115.3 172.9
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Manual Integrations
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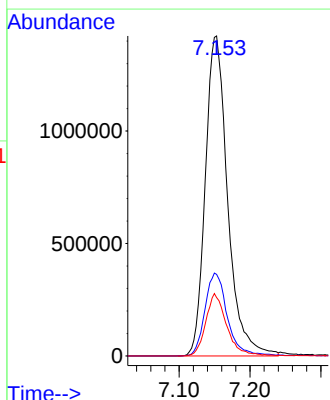
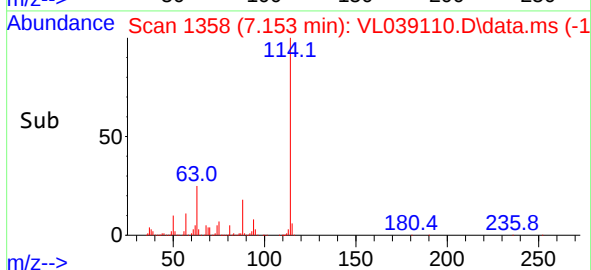
Reviewed By :Semsettin Yesilyurt 05/25/2022
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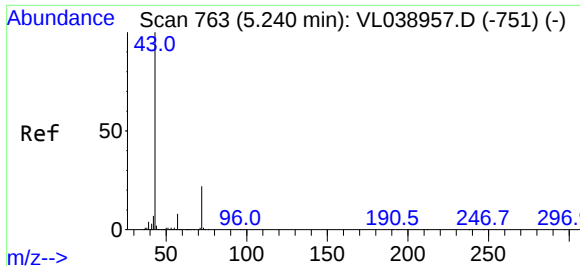


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.153 min Scan# 1358
Delta R.T. -0.019 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20



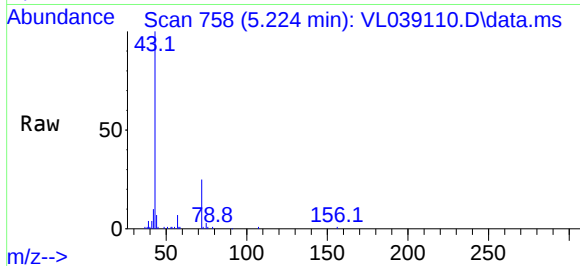
Tgt Ion:114 Resp: 3121675
Ion Ratio Lower Upper
114 100
63 26.1 22.6 33.8
88 18.5 15.4 23.0





#34
2-Butanone
Concen: 0.577 ppbv m
RT: 5.224 min Scan# 71
Delta R.T. -0.016 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20

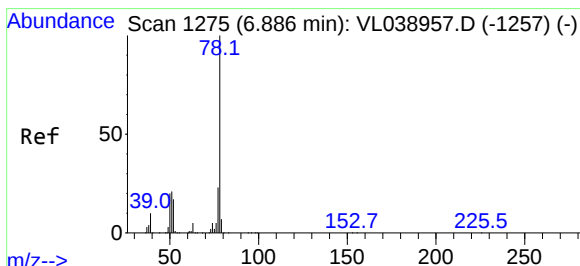
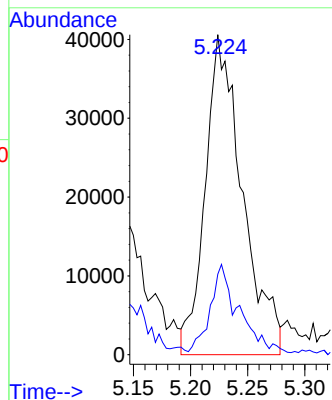
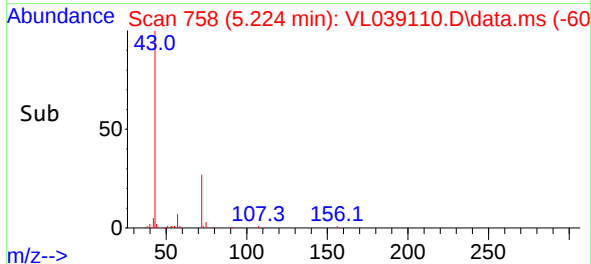
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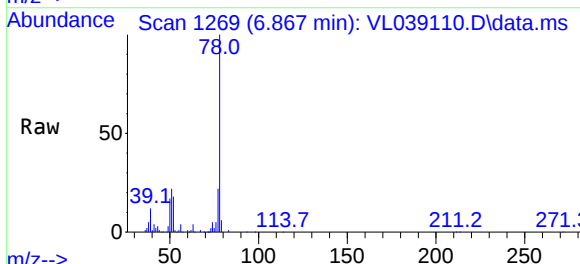
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Ion Ratio Lower Upper
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72 24.2 17.8 26.6

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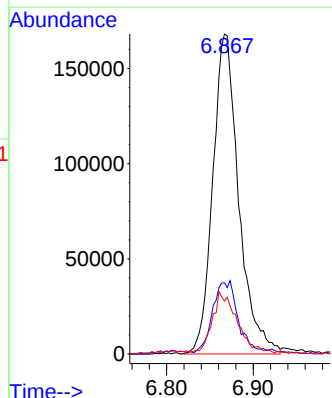
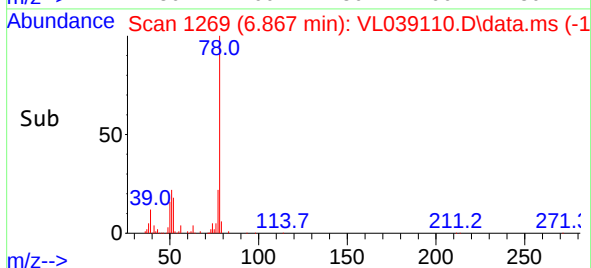
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

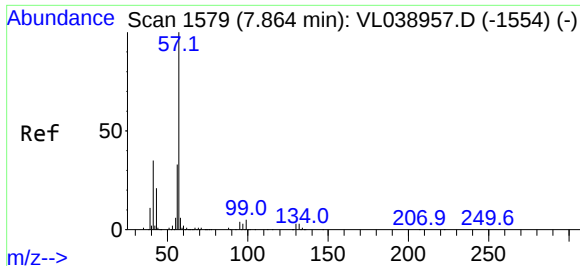


#36
Benzene
Concen: 1.310 ppbv
RT: 6.867 min Scan# 1269
Delta R.T. -0.019 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20



Tgt Ion: 78 Resp: 349867
Ion Ratio Lower Upper
78 100
77 21.6 18.6 28.0
50 15.9 15.6 23.4





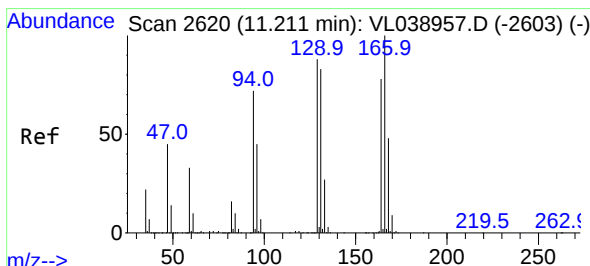
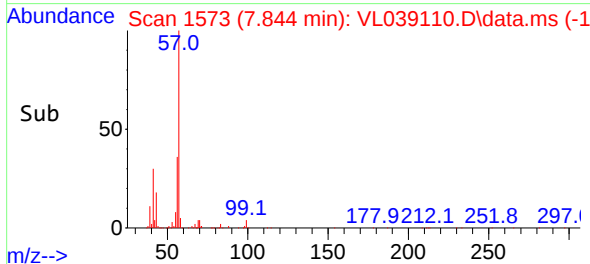
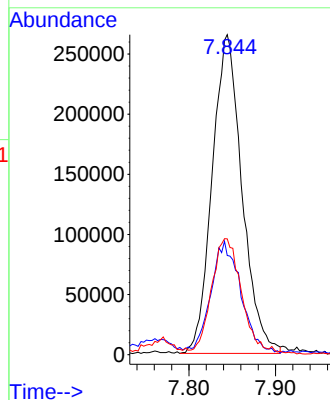
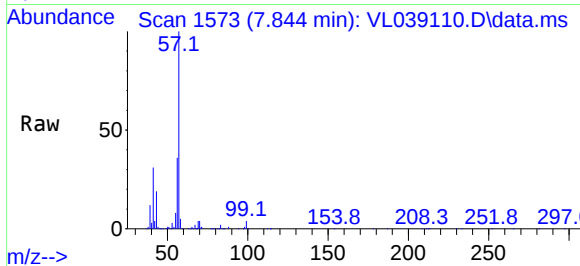
#44
2,2,4-Trimethylpentane
Concen: 1.353 ppbv
RT: 7.844 min Scan# 11
Delta R.T. -0.019 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion: 57 Resp: 63445
Ion Ratio Lower Upper
57 100
41 35.0 26.3 39.5
56 37.4 24.6 37.0

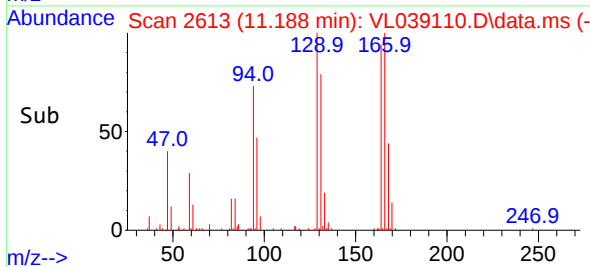
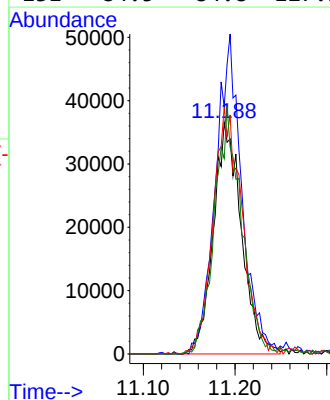
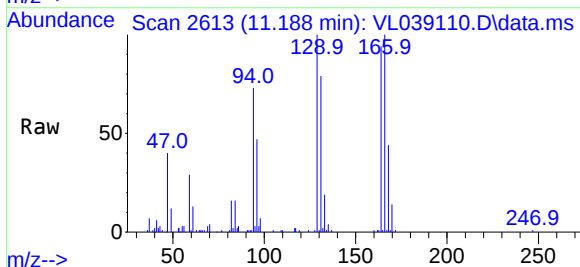
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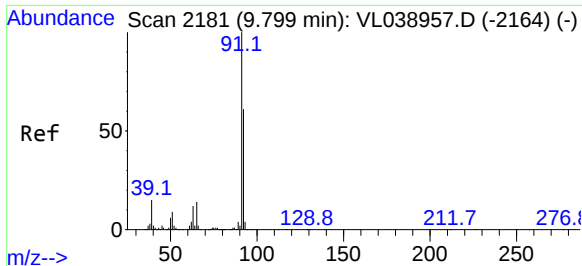
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#52
Tetrachloroethene
Concen: 0.815 ppbv
RT: 11.188 min Scan# 2613
Delta R.T. -0.023 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20

Tgt Ion:164 Resp: 77811
Ion Ratio Lower Upper
164 100
166 106.8 102.5 153.7
129 106.7 90.1 135.1
131 84.5 84.8 127.2





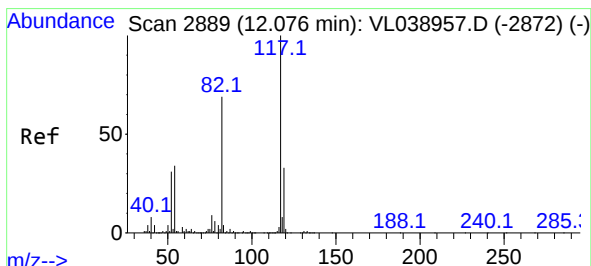
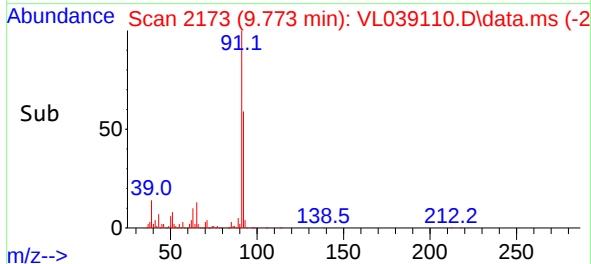
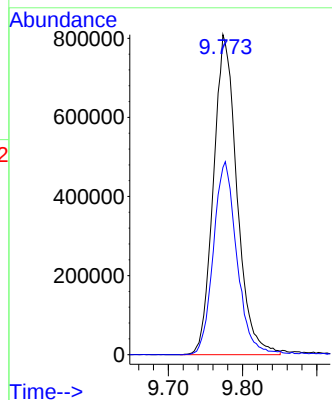
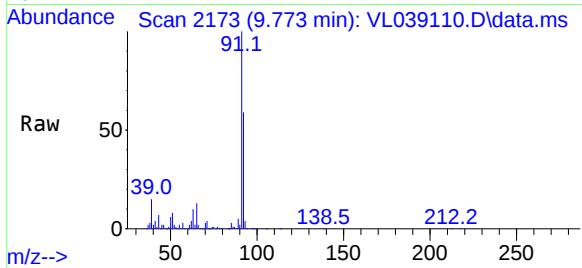
#53
Toluene
Concen: 5.951 ppbv
RT: 9.773 min Scan# 2181
Delta R.T. -0.026 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion: 91 Resp: 178181
Ion Ratio Lower Upper
91 100
92 60.8 48.2 72.2

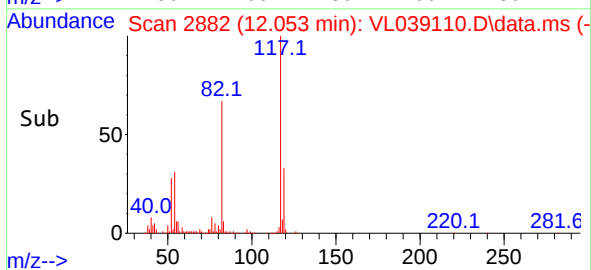
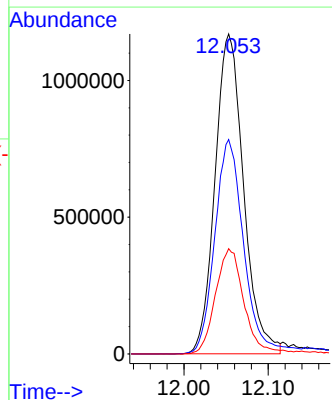
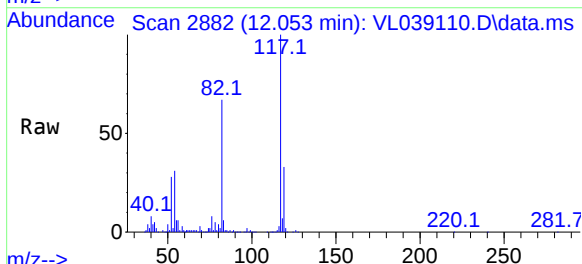
Manual Integrations
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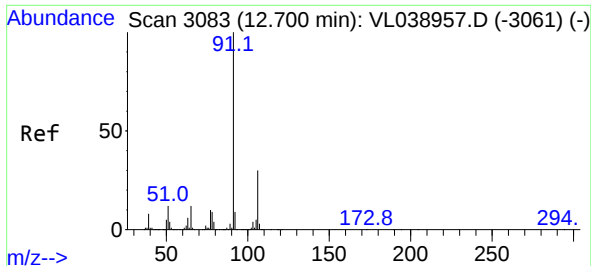
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.053 min Scan# 2882
Delta R.T. -0.023 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20

Tgt Ion:117 Resp: 2752157
Ion Ratio Lower Upper
117 100
82 68.2 57.0 85.6
119 34.3 27.2 40.8





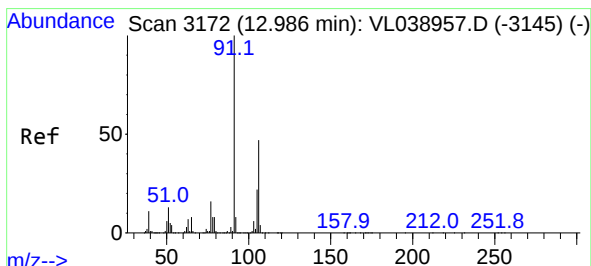
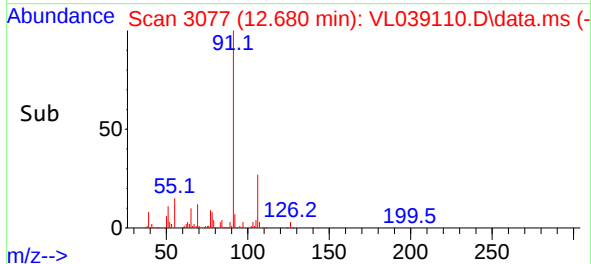
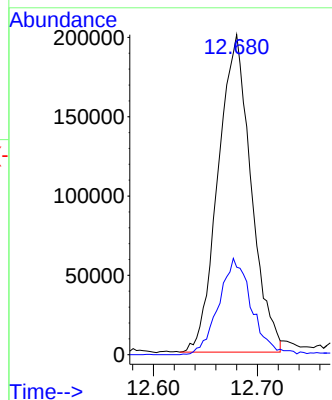
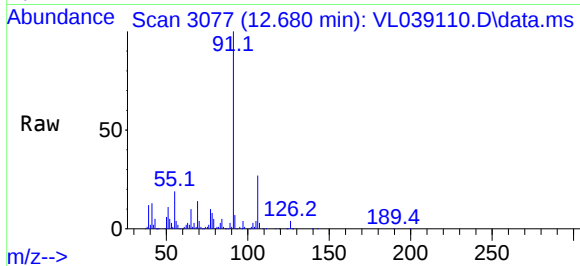
#58
Ethyl Benzene
Concen: 1.114 ppbv
RT: 12.680 min Scan# 3083
Delta R.T. -0.019 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion: 91 Resp: 441172
Ion Ratio Lower Upper
91 100
106 27.6 24.2 36.4

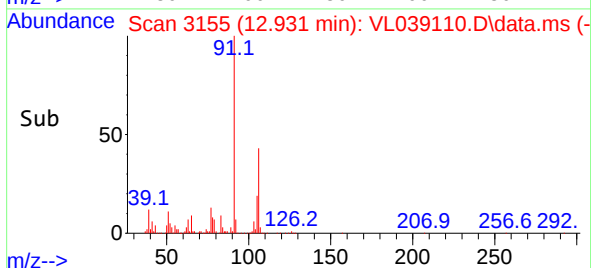
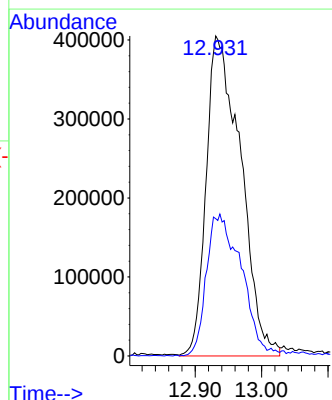
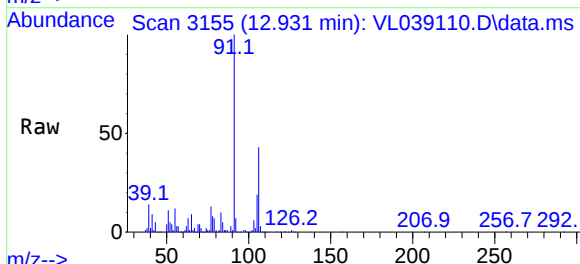
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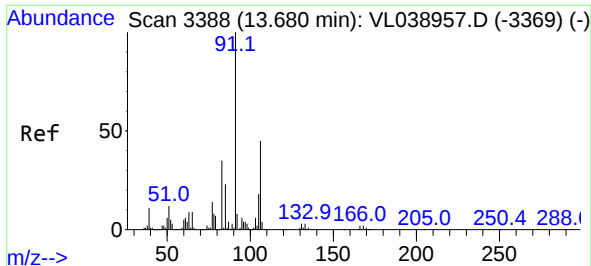
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#59
m/p-Xylene
Concen: 4.312 ppbv m
RT: 12.931 min Scan# 3155
Delta R.T. -0.055 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20

Tgt Ion: 91 Resp: 1458136
Ion Ratio Lower Upper
91 100
106 0.0 34.6 52.0#





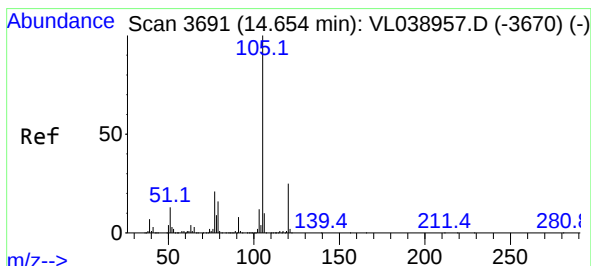
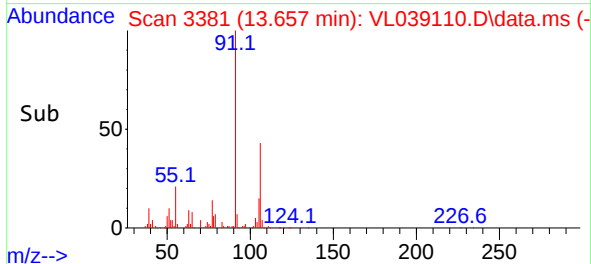
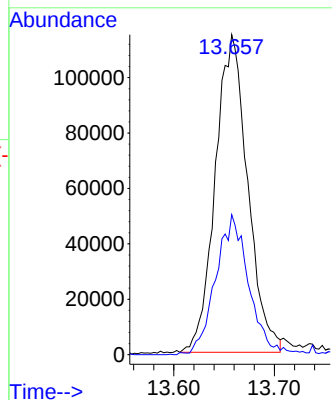
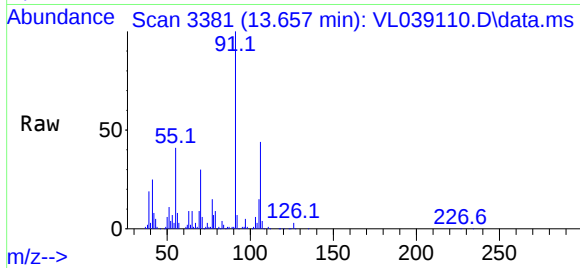
#60
o-Xylene
Concen: 0.805 ppbv
RT: 13.657 min Scan# 31
Delta R.T. -0.023 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion: 91 Resp: 256329
Ion Ratio Lower Upper
91 100
106 45.6 22.2 66.6

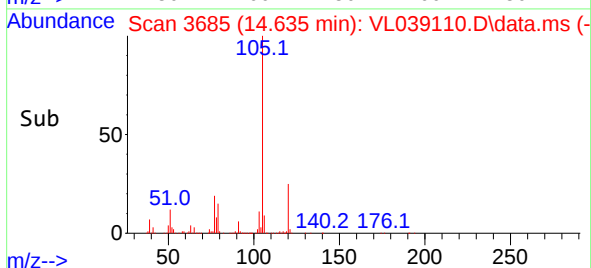
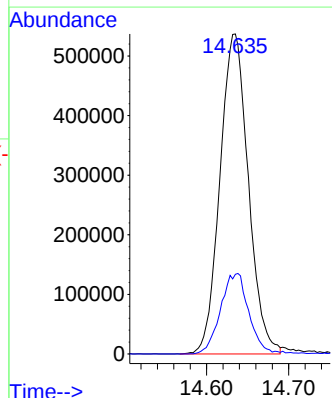
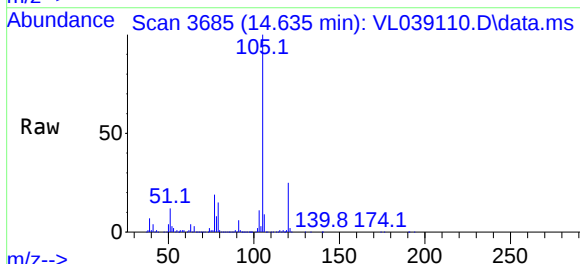
Manual Integrations
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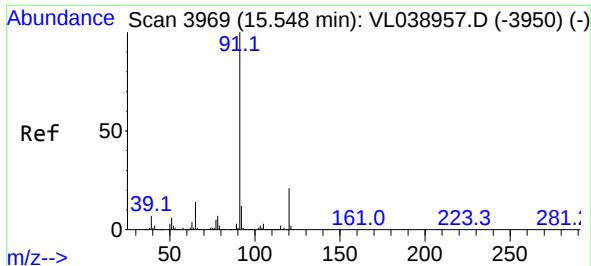
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#62
Isopropylbenzene
Concen: 2.780 ppbv
RT: 14.635 min Scan# 3685
Delta R.T. -0.019 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20

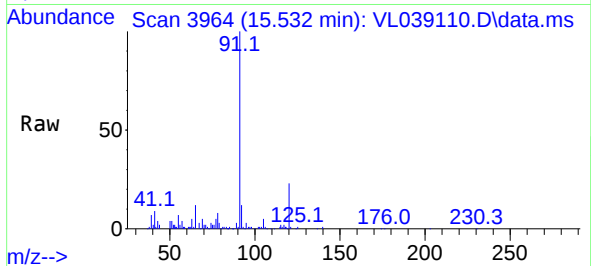
Tgt Ion:105 Resp: 1293964
Ion Ratio Lower Upper
105 100
120 25.4 20.5 30.7





#64
n-propylbenzene
Concen: 0.238 ppbv
RT: 15.532 min Scan# 3964
Delta R.T. -0.016 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20

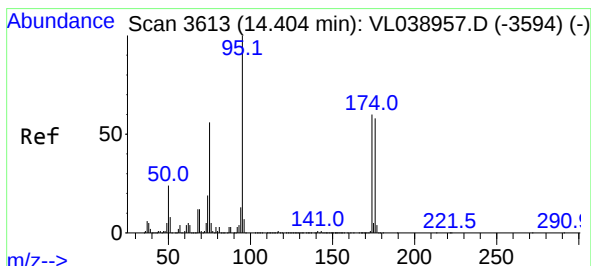
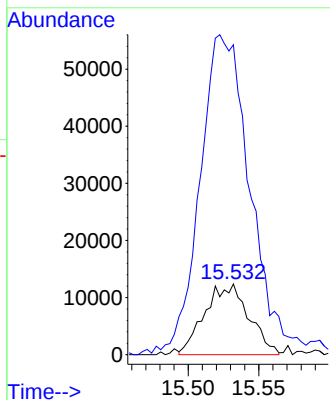
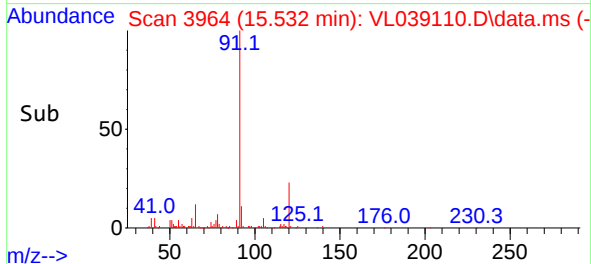
Instrument :
MSVOA_L
ClientSampleId :
SG-2



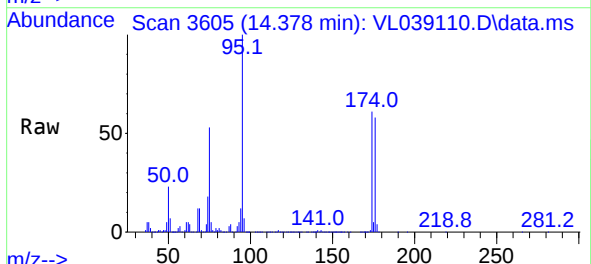
Tgt Ion: 120 Resp: 26720
Ion Ratio Lower Upper
120 100
91 527.7 400.6 601.0

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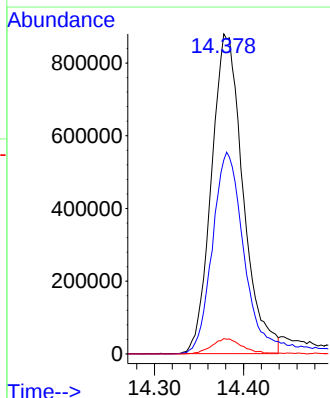
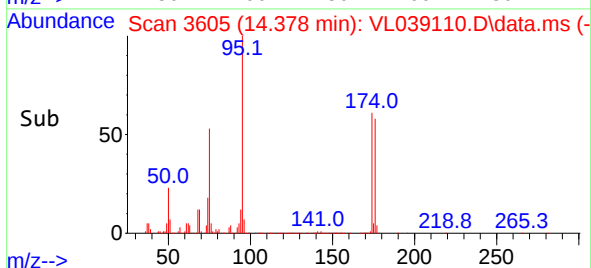
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

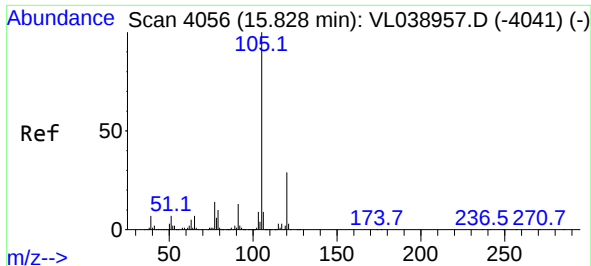


#68
1-Bromo-4-Fluorobenzene
Concen: 9.941 ppbv
RT: 14.378 min Scan# 3605
Delta R.T. -0.026 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20



Tgt Ion: 95 Resp: 2166802
Ion Ratio Lower Upper
95 100
174 67.6 50.8 76.2
175 4.7 3.8 5.6





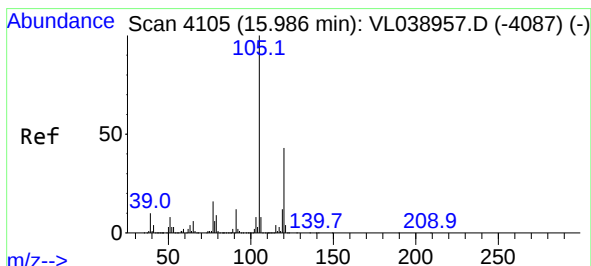
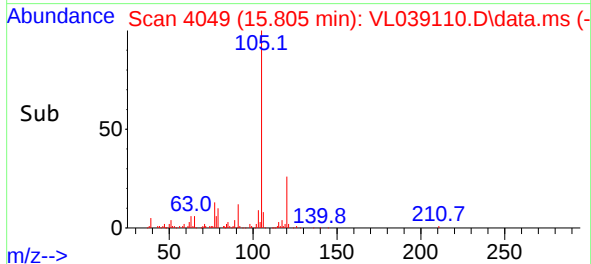
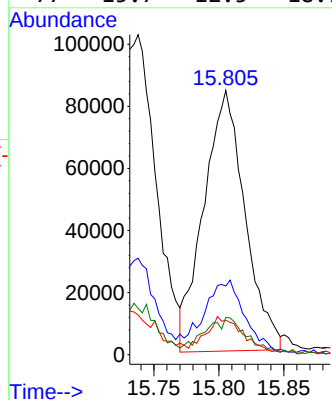
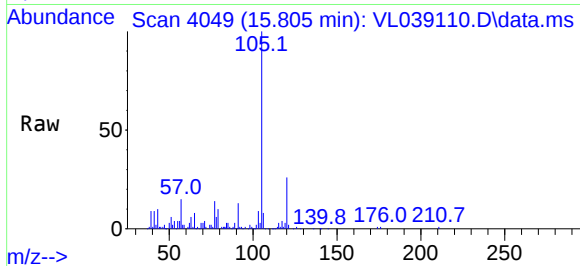
#72
4-Ethyltoluene
Concen: 0.513 ppbv
RT: 15.805 min Scan# 4049
Delta R.T. -0.023 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion:	105	Resp:	18585
Ion Ratio	Lower	Upper	
105	100		
120	29.8	23.4	35.0
91	13.5	10.6	16.0
77	15.7	12.5	18.7

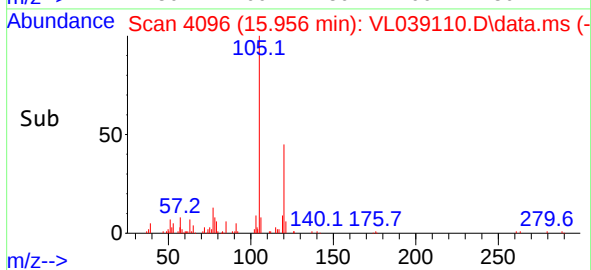
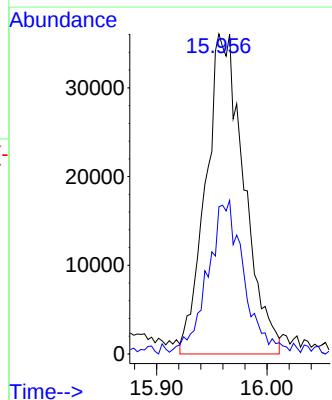
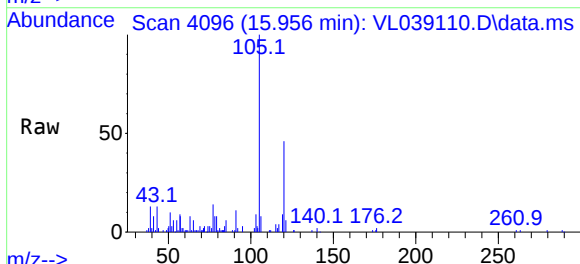
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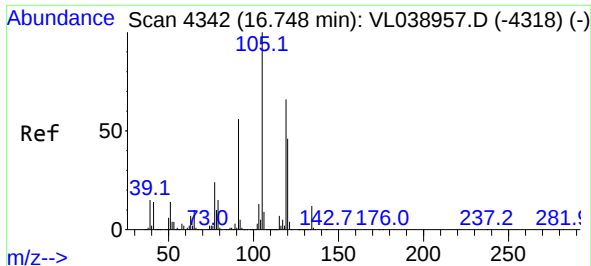
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#73
1,3,5-Trimethylbenzene
Concen: 0.266 ppbv m
RT: 15.956 min Scan# 4096
Delta R.T. -0.029 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20

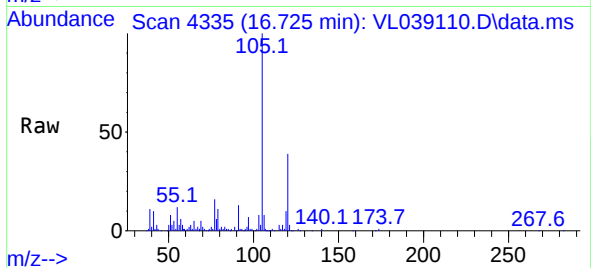
Tgt Ion:	105	Resp:	86853
Ion Ratio	Lower	Upper	
105	100		
120	46.0	34.4	51.6





#74
1,2,4-Trimethylbenzene
Concen: 0.802 ppbv
RT: 16.725 min Scan# 4335
Delta R.T. -0.023 min
Lab File: VL039110.D
Acq: 24 May 2022 8:20

Instrument : MSVOA_L
ClientSampleId : SG-2



Tgt Ion:	105	Resp:	286618
Ion	Ratio	Lower	Upper
105	100		
120	39.4	36.9	55.3
91	11.9	45.0	67.4
77	13.8	19.2	28.8

Manual Integrations
APPROVED

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

