

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060122\
 Data File : VL039150.D
 Acq On : 1 Jun 2022 16:29
 Operator : SY/AP
 Sample : N3106-08
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2022
 Supervised By :Mahesh Dadoda 06/06/2022

Quant Time: Jun 02 00:40:07 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.671	49	1195683	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.179	114	2889615	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.085	117	2484603	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.413	95	2086443	10.157	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.057	85	66180	0.315	ppbv	98
4) Chloromethane	3.150	50	45040	0.576	ppbv	92
9) Propene	3.034	41	620702m	9.357	ppbv	
10) Heptane	8.127	43	18499	0.120	ppbv	99
11) Trichlorofluoromethane	3.957	101	39665	0.209	ppbv	84
13) Ethanol	3.603	45	1404265	388.161	ppbv #	100
15) Acetone	3.854	43	2417389	19.409	ppbv	97
19) Isopropyl Alcohol	3.967	45	3702814	63.385	ppbv	99
20) Methylene Chloride	4.353	84	662747	12.627	ppbv	97
26) Hexane	5.697	57	605441m	4.908	ppbv	
29) Chloroform	5.761	83	34911m	0.168	ppbv	
34) 2-Butanone	5.247	43	109016	0.694	ppbv	92
35) Carbon Tetrachloride	7.025	117	12886m	0.061	ppbv	
36) Benzene	6.890	78	39129m	0.167	ppbv	
41) Tetrahydrofuran	6.070	42	24616m	0.261	ppbv	
44) 2,2,4-Trimethylpentane	7.870	57	44551m	0.109	ppbv	
52) Tetrachloroethene	11.227	164	3483m	0.038	ppbv	
53) Toluene	9.809	91	133421	0.494	ppbv	99
58) Ethyl Benzene	12.712	91	40338m	0.118	ppbv	
59) m/p-Xylene	12.963	91	94678m	0.314	ppbv	
60) o-Xylene	13.690	91	42127m	0.149	ppbv	
74) 1,2,4-Trimethylbenzene	16.757	105	88009	0.263	ppbv #	59
76) 1,4-Dichlorobenzene	17.137	146	371868	1.971	ppbv	97

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

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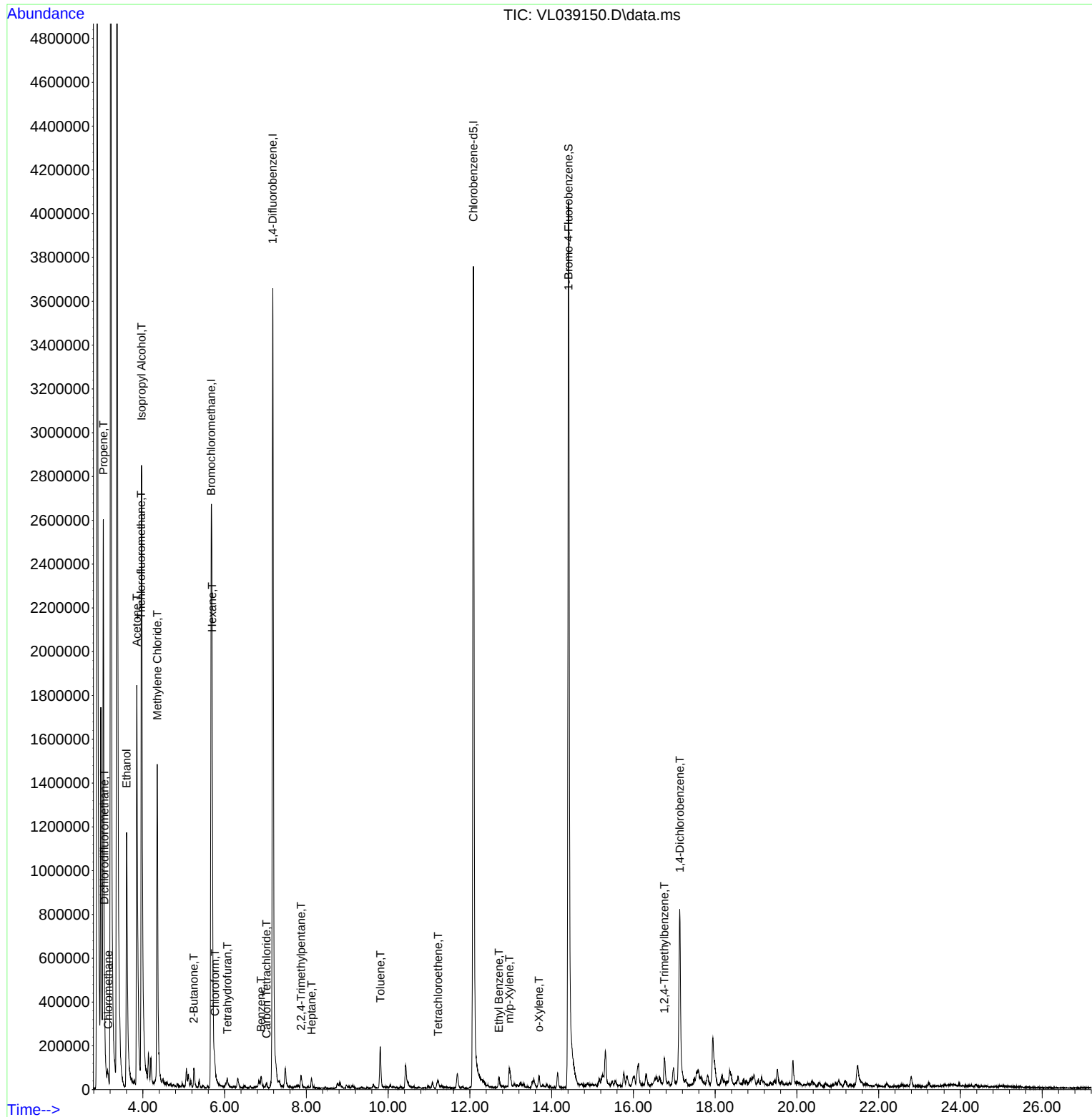
Quant Time: Jun 02 00:40:07 2022

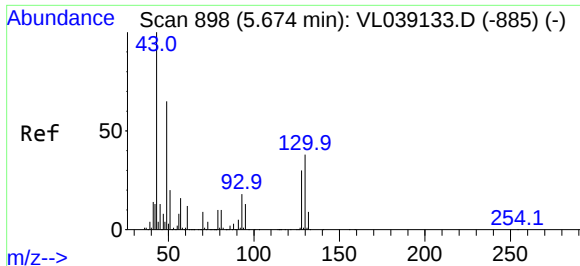
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun

QLast Update : Wed Jun 01 01:22:18 2022

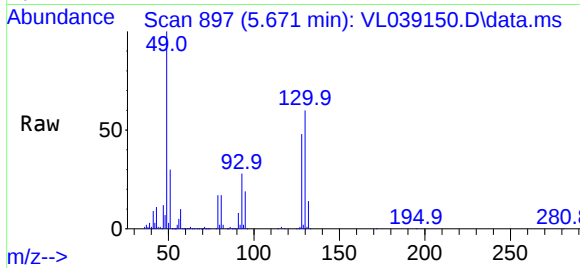
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 89
Delta R.T. -0.003 min
Lab File: VL039150.D
Acq: 1 Jun 2022 16:29

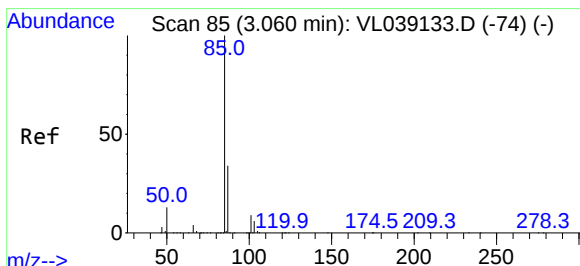
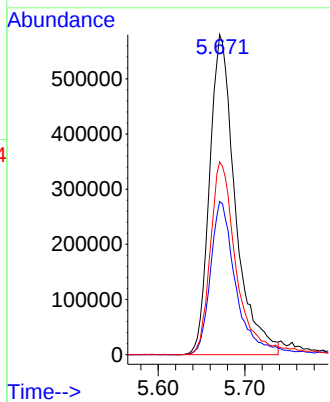
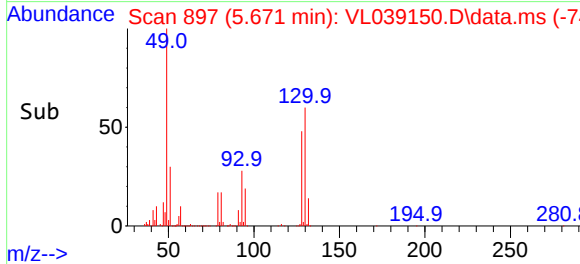
Instrument :
MSVOA_L
ClientSampleId :
IA4



Tgt Ion: 49 Resp: 119568
Ion Ratio Lower Upper
49 100
128 48.9 24.7 74.1
130 63.3 31.4 94.0

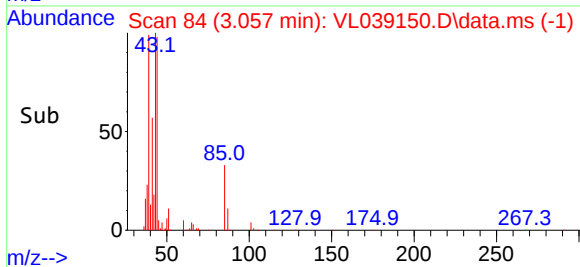
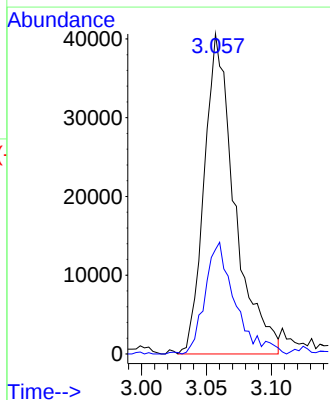
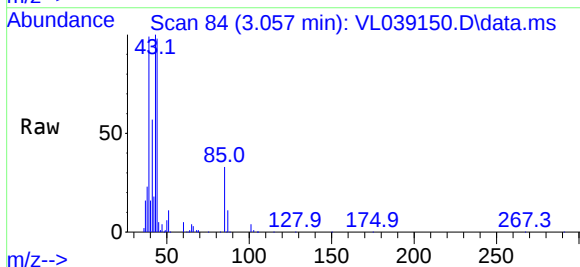
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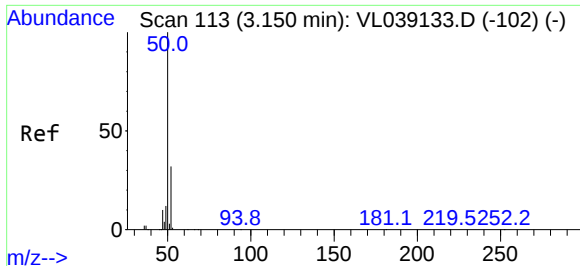
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#2
Dichlorodifluoromethane
Concen: 0.315 ppbv
RT: 3.057 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL039150.D
Acq: 1 Jun 2022 16:29

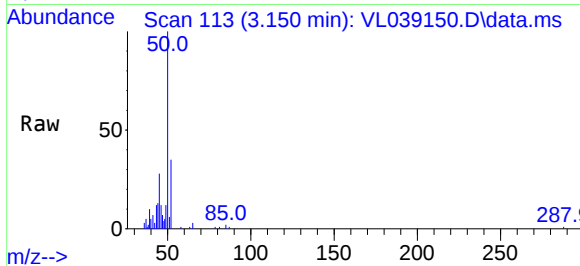
Tgt Ion: 85 Resp: 66180
Ion Ratio Lower Upper
85 100
87 32.2 26.9 40.3





#4
Chloromethane
Concen: 0.576 ppbv
RT: 3.150 min Scan# 113
Delta R.T. 0.000 min
Lab File: VL039150.D
Acq: 1 Jun 2022 16:29

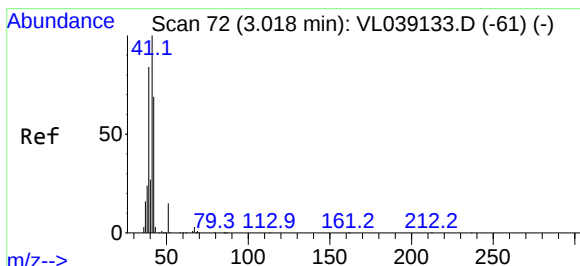
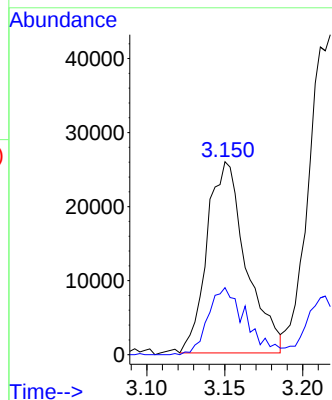
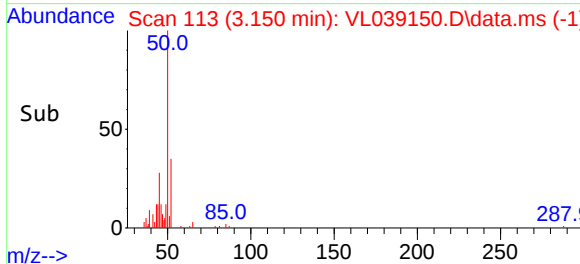
Instrument :
MSVOA_L
ClientSampleId :
IA4



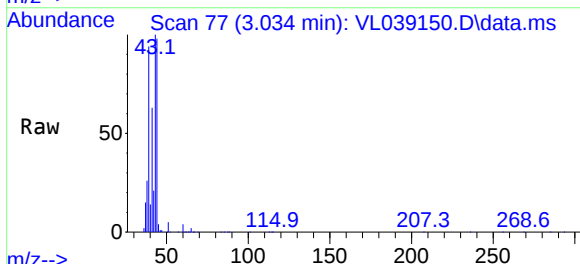
Tgt Ion: 50 Resp: 45040
Ion Ratio Lower Upper
50 100
52 36.8 25.9 38.9

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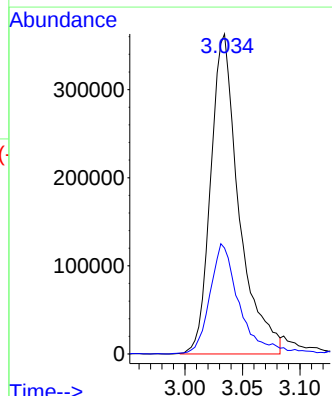
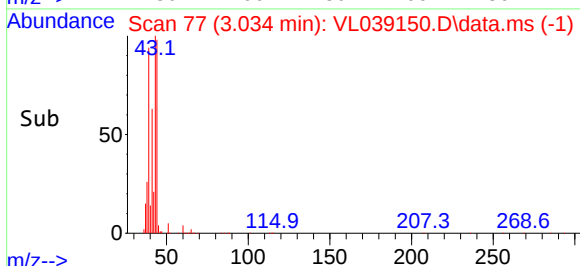
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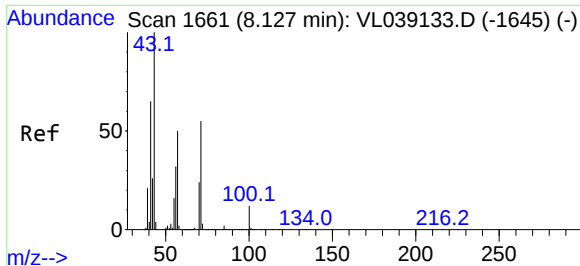


#9
Propene
Concen: 9.357 ppbv m
RT: 3.034 min Scan# 77
Delta R.T. 0.016 min
Lab File: VL039150.D
Acq: 1 Jun 2022 16:29



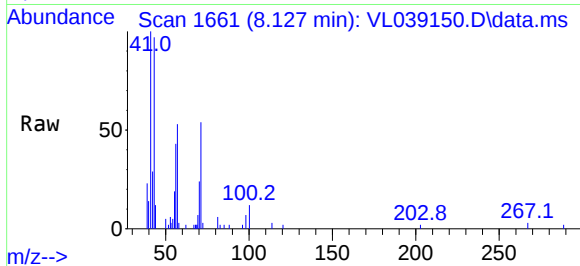
Tgt Ion: 41 Resp: 620702
Ion Ratio Lower Upper
41 100
42 320.3 55.4 83.2#





#10
Heptane
Concen: 0.120 ppbv
RT: 8.127 min Scan# 10
Delta R.T. 0.000 min
Lab File: VL039150.D
Acq: 1 Jun 2022 16:29

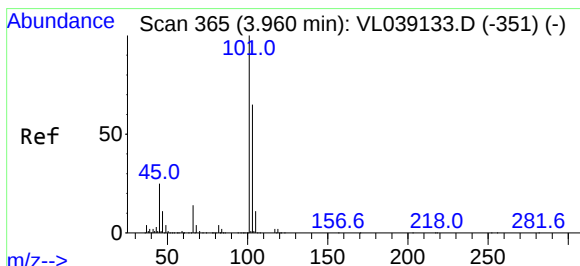
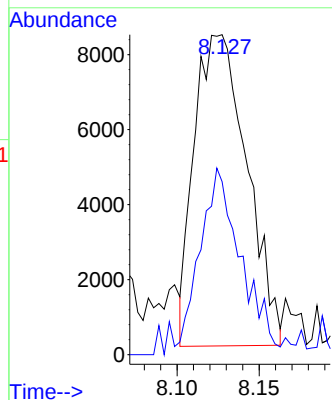
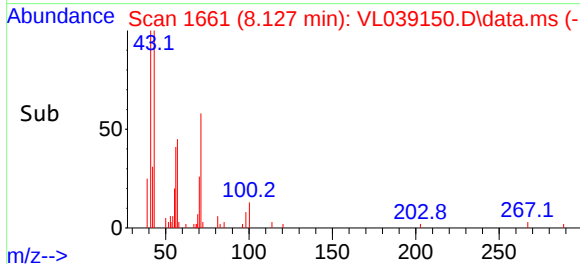
Instrument :
MSVOA_L
ClientSampleId :
IA4



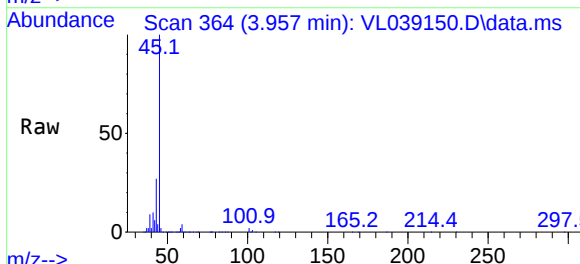
Tgt Ion: 43 Resp: 1849
Ion Ratio Lower Upper
43 100
57 52.2 41.4 62.2

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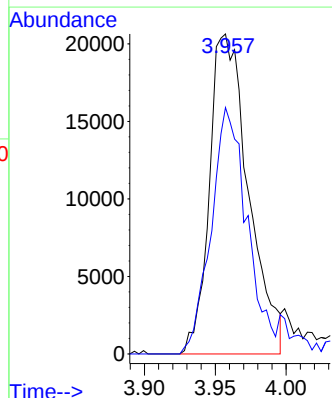
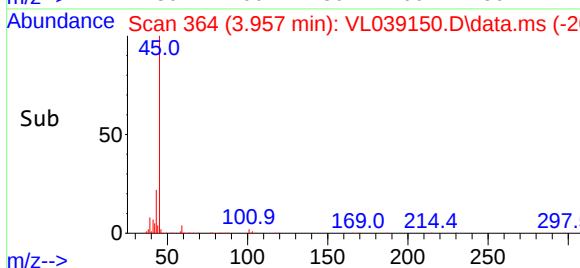
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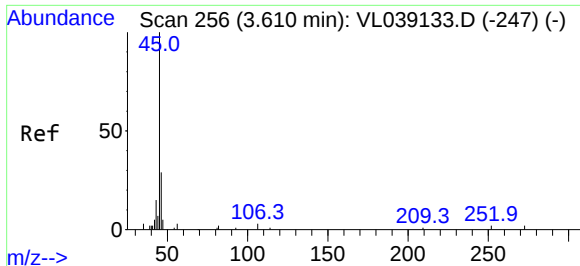


#11
Trichlorofluoromethane
Concen: 0.209 ppbv
RT: 3.957 min Scan# 364
Delta R.T. -0.003 min
Lab File: VL039150.D
Acq: 1 Jun 2022 16:29



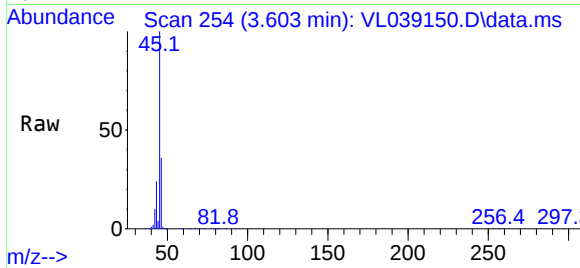
Tgt Ion:101 Resp: 39665
Ion Ratio Lower Upper
101 100
103 77.0 51.7 77.5





#13
Ethanol
Concen: 388.161 ppbv
RT: 3.603 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL039150.D
Acq: 1 Jun 2022 16:29

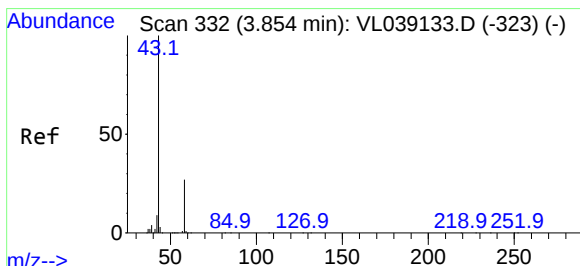
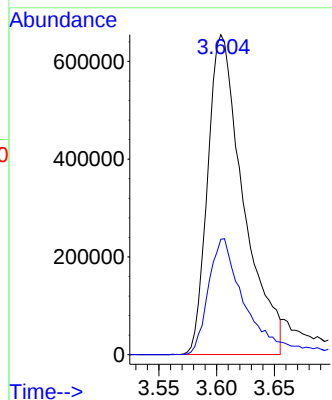
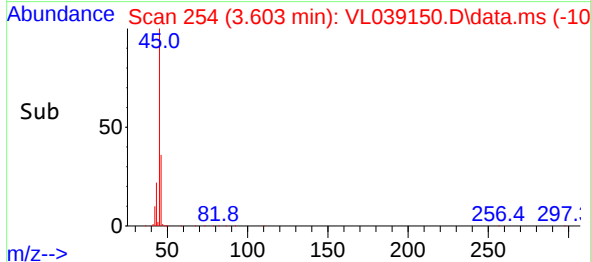
Instrument :
MSVOA_L
ClientSampleId :
IA4



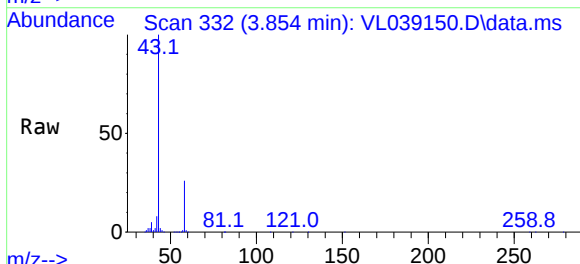
Tgt Ion: 45 Resp: 140426
Ion Ratio Lower Upper
45 100
46 39.7 0.0 0.0

Manual Integrations
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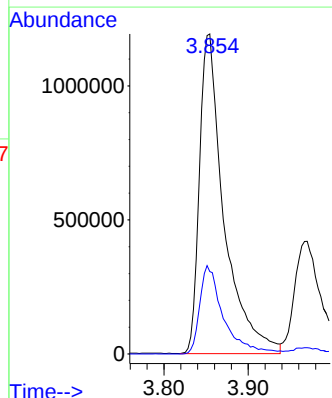
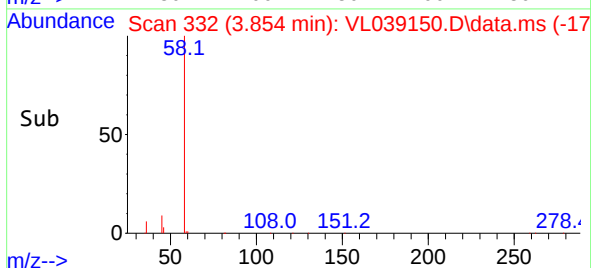
Reviewed By :Semsettin Yesilyurt 06/06/2022
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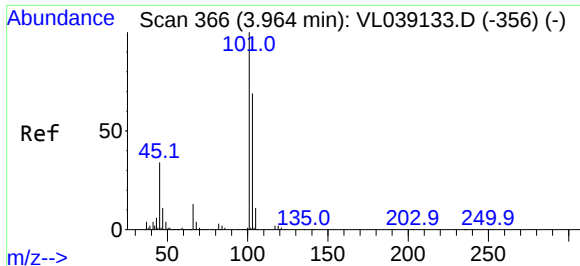


#15
Acetone
Concen: 19.409 ppbv
RT: 3.854 min Scan# 332
Delta R.T. 0.000 min
Lab File: VL039150.D
Acq: 1 Jun 2022 16:29



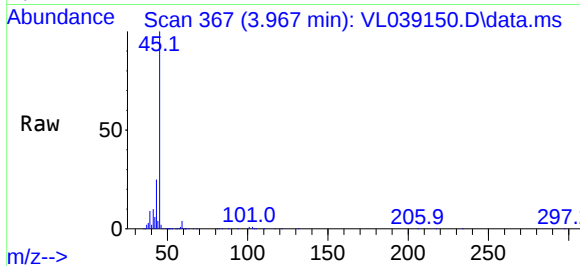
Tgt Ion: 43 Resp: 2417389
Ion Ratio Lower Upper
43 100
58 26.7 22.5 33.7





#19
Isopropyl Alcohol
Concen: 63.385 ppbv
RT: 3.967 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL039150.D
Acq: 1 Jun 2022 16:29

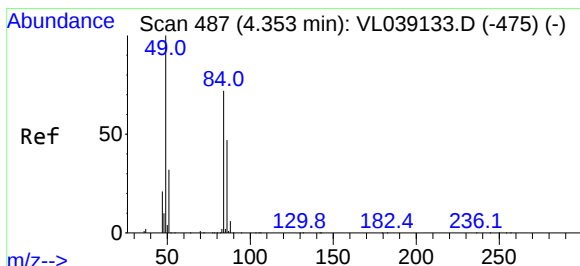
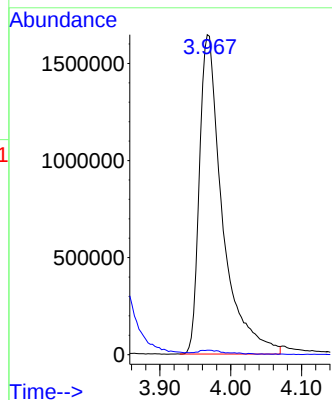
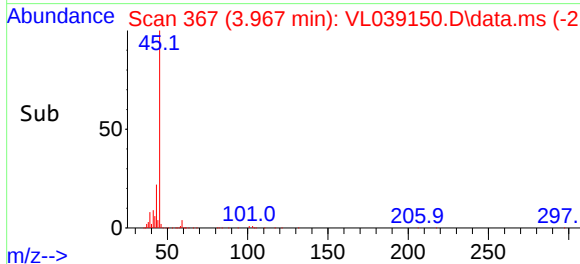
Instrument :
MSVOA_L
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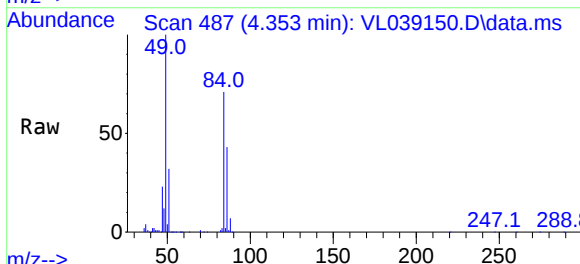
Tgt Ion: 45 Resp: 3702814
Ion Ratio Lower Upper
45 100
58 2.1 1.8 2.8

Manual Integrations
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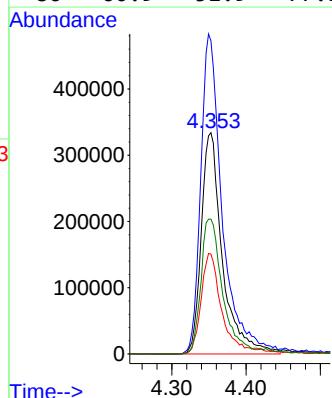
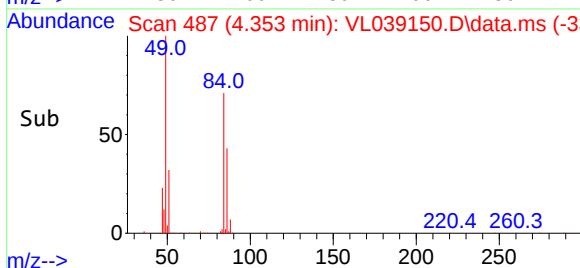
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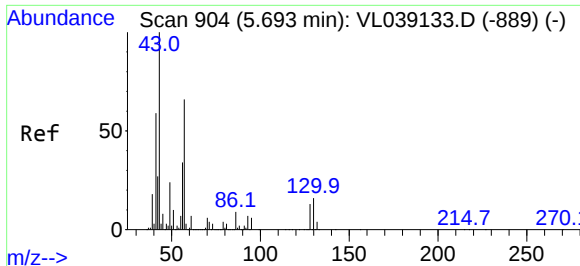


#20
Methylene Chloride
Concen: 12.627 ppbv
RT: 4.353 min Scan# 487
Delta R.T. 0.000 min
Lab File: VL039150.D
Acq: 1 Jun 2022 16:29



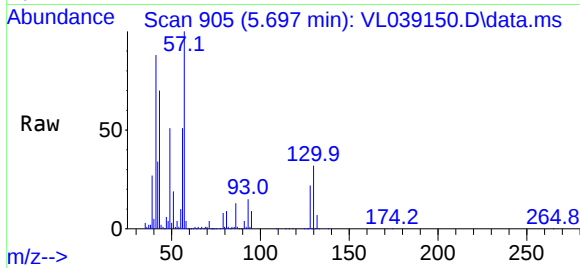
Tgt Ion: 84 Resp: 662747
Ion Ratio Lower Upper
84 100
49 141.3 111.1 166.7
51 44.9 35.3 52.9
86 60.9 51.9 77.9





#26
Hexane
Concen: 4.908 ppbv m
RT: 5.697 min Scan# 904
Delta R.T. 0.003 min
Lab File: VL039150.D
Acq: 1 Jun 2022 16:29

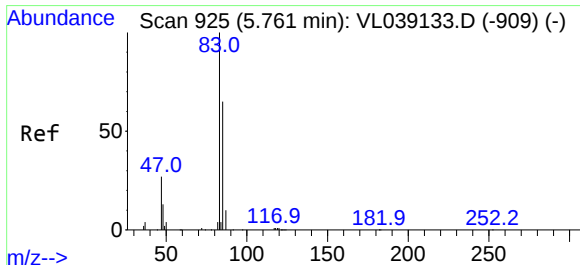
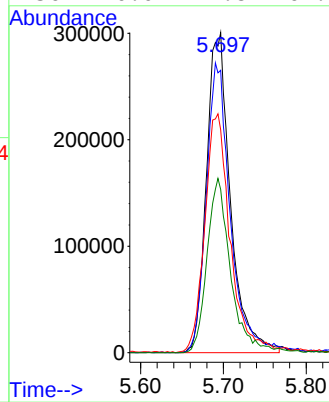
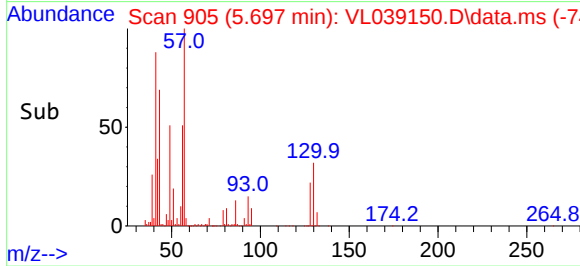
Instrument :
MSVOA_L
ClientSampleId :
IA4



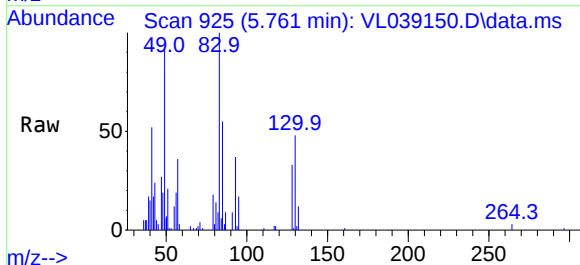
Tgt Ion: 57 Resp: 60544
Ion Ratio Lower Upper
57 100
41 91.8 72.4 108.6
43 0.0 187.0 280.6
56 0.0 41.8 62.6#

Manual Integrations
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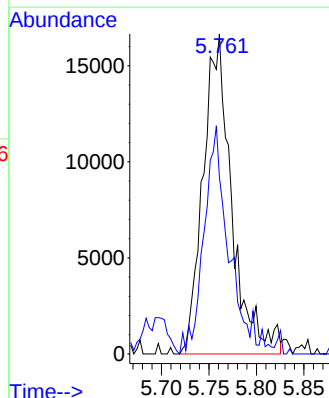
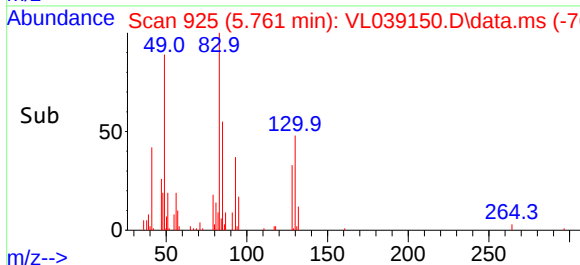
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

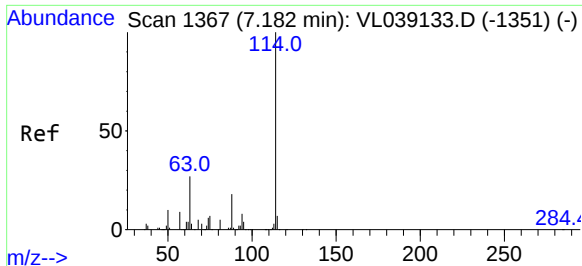


#29
Chloroform
Concen: 0.168 ppbv m
RT: 5.761 min Scan# 925
Delta R.T. 0.000 min
Lab File: VL039150.D
Acq: 1 Jun 2022 16:29



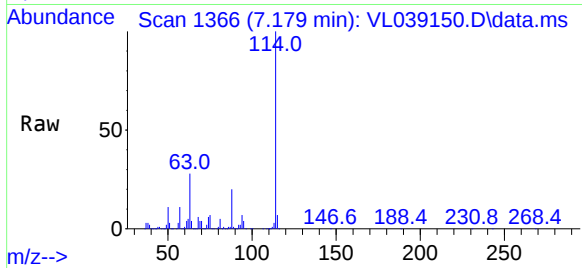
Tgt Ion: 83 Resp: 34911
Ion Ratio Lower Upper
83 100
85 55.3 52.4 78.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL039150.D
Acq: 1 Jun 2022 16:29

Instrument :
MSVOA_L
ClientSampleId :
IA4

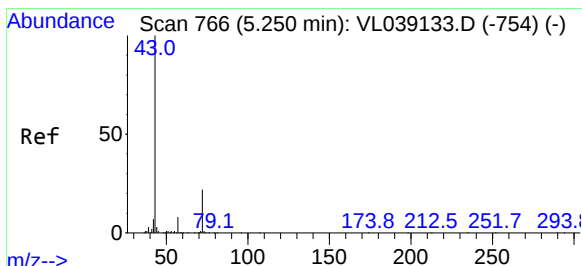
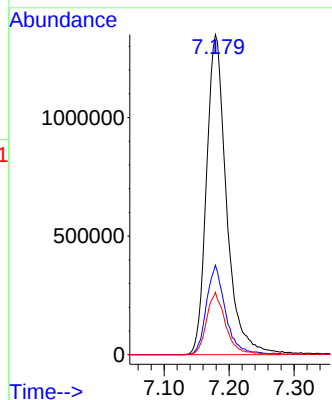
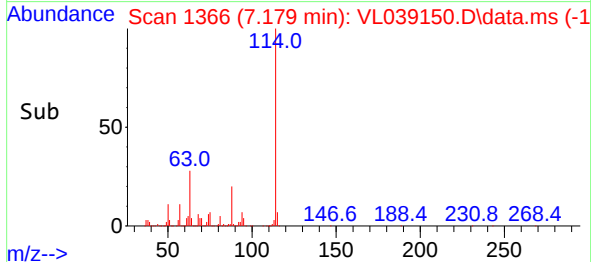


Tgt Ion:114 Resp: 288961

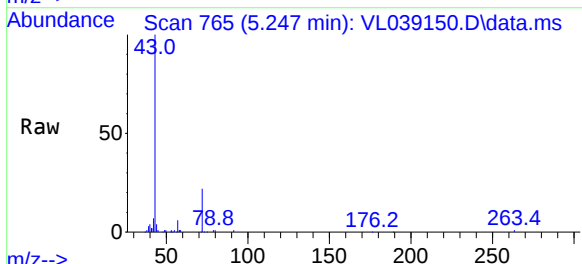
Ion	Ratio	Lower	Upper
114	100		
63	27.2	21.7	32.5
88	18.8	14.8	22.2

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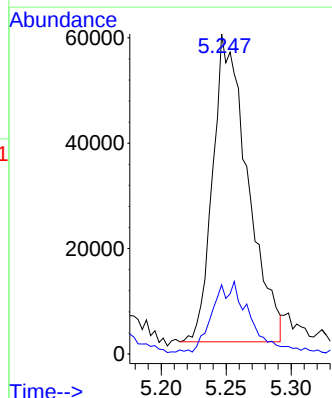
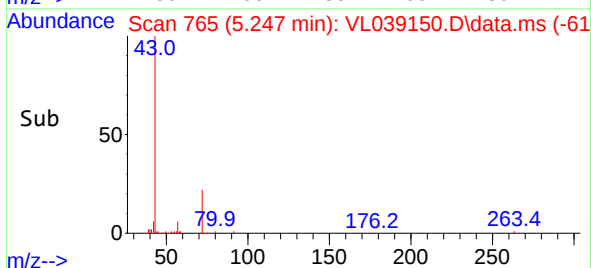


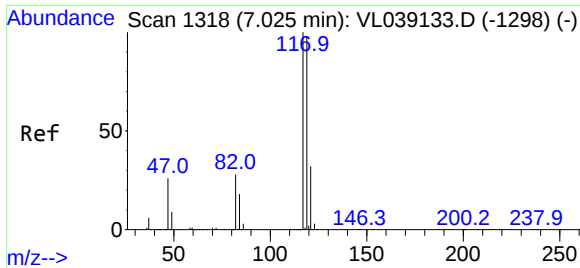
#34
2-Butanone
Concen: 0.694 ppbv
RT: 5.247 min Scan# 765
Delta R.T. -0.003 min
Lab File: VL039150.D
Acq: 1 Jun 2022 16:29



Tgt Ion: 43 Resp: 109016

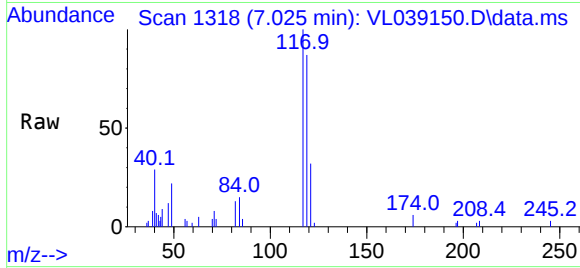
Ion	Ratio	Lower	Upper
43	100		
72	26.4	18.2	27.2





#35
Carbon Tetrachloride
Concen: 0.061 ppbv m
RT: 7.025 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VL039150.D
Acq: 1 Jun 2022 16:29

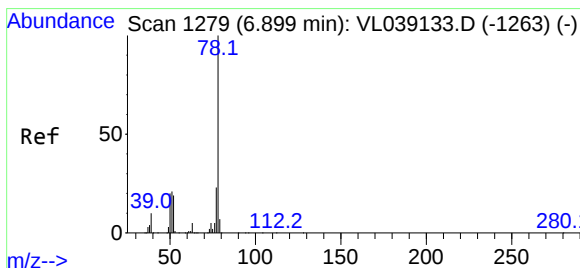
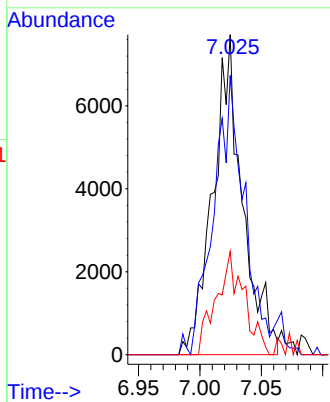
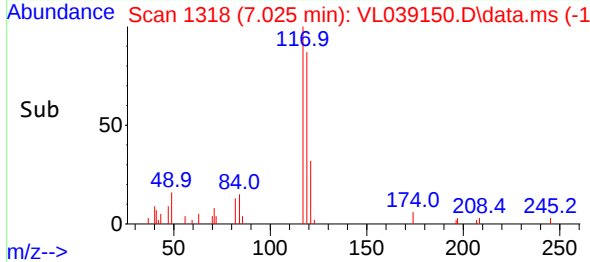
Instrument :
MSVOA_L
ClientSampleId :
IA4



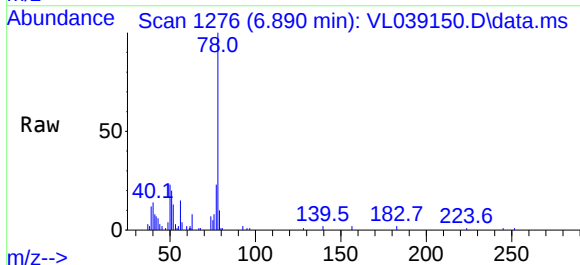
Tgt Ion:117 Resp: 12880
Ion Ratio Lower Upper
117 100
119 87.3 78.6 118.0
121 32.2 25.4 38.0

Manual Integrations
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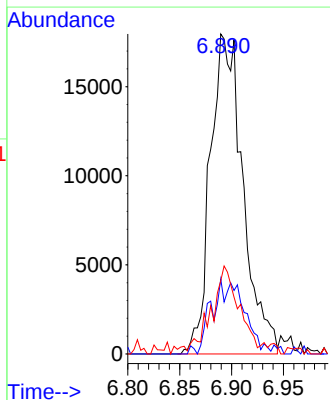
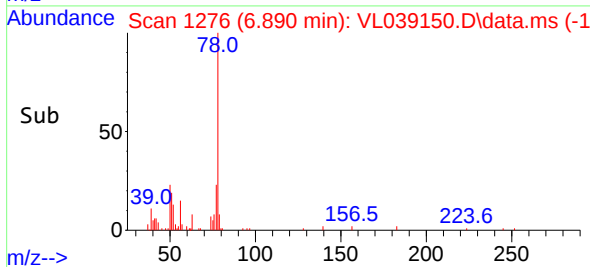
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

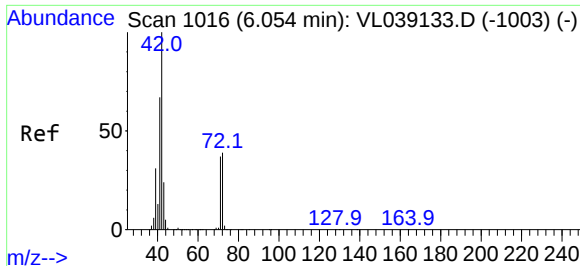


#36
Benzene
Concen: 0.167 ppbv m
RT: 6.890 min Scan# 1276
Delta R.T. -0.010 min
Lab File: VL039150.D
Acq: 1 Jun 2022 16:29



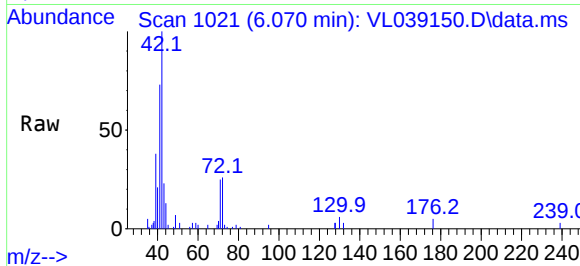
Tgt Ion: 78 Resp: 39129
Ion Ratio Lower Upper
78 100
77 23.4 18.6 27.8
50 22.9 15.8 23.8





#41
Tetrahydrofuran
Concen: 0.261 ppbv m
RT: 6.070 min Scan# 1016
Delta R.T. 0.016 min
Lab File: VL039150.D
Acq: 1 Jun 2022 16:29

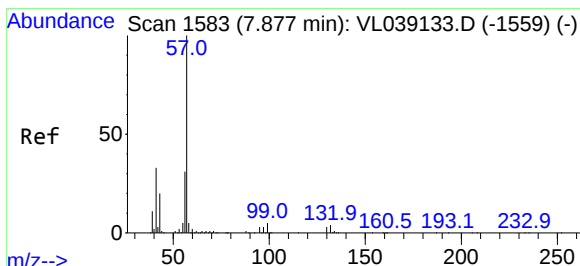
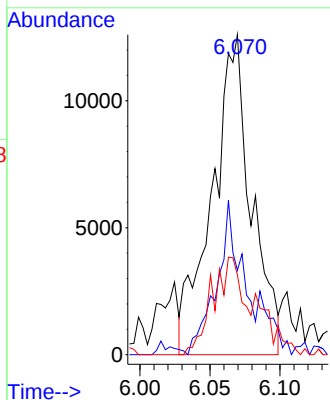
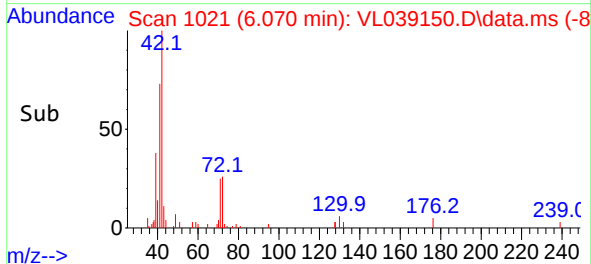
Instrument :
MSVOA_L
ClientSampleId :
IA4



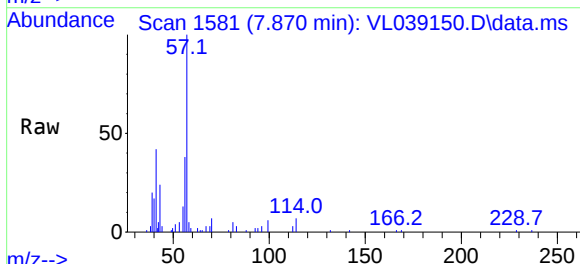
Tgt Ion: 42 Resp: 24610
Ion Ratio Lower Upper
42 100
72 0.0 32.0 48.0
71 0.0 31.1 46.7

Manual Integrations
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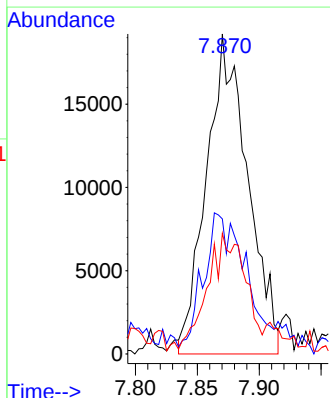
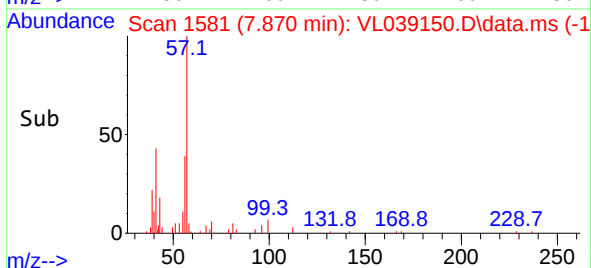
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

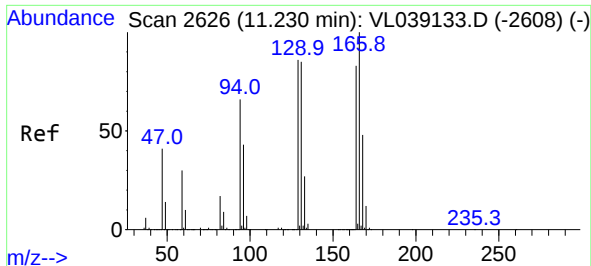


#44
2,2,4-Trimethylpentane
Concen: 0.109 ppbv m
RT: 7.870 min Scan# 1581
Delta R.T. -0.006 min
Lab File: VL039150.D
Acq: 1 Jun 2022 16:29



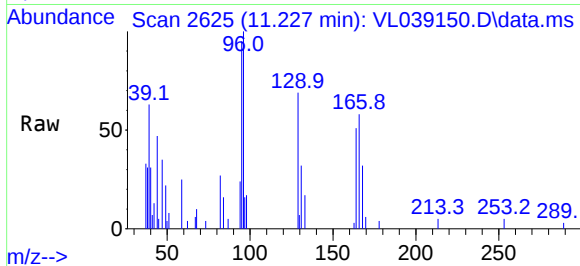
Tgt Ion: 57 Resp: 44551
Ion Ratio Lower Upper
57 100
41 48.9 26.2 39.4#
56 40.5 24.7 37.1#





#52
Tetrachloroethene
Concen: 0.038 ppbv m
RT: 11.227 min Scan# 2625
Delta R.T. -0.003 min
Lab File: VL039150.D
Acq: 1 Jun 2022 16:29

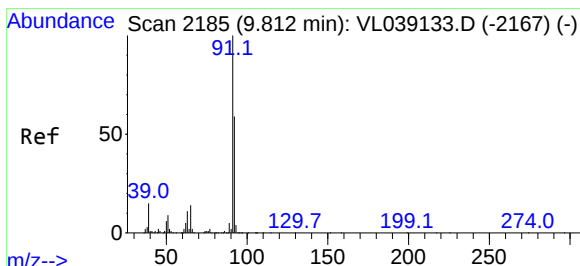
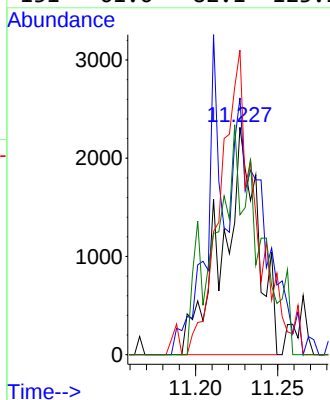
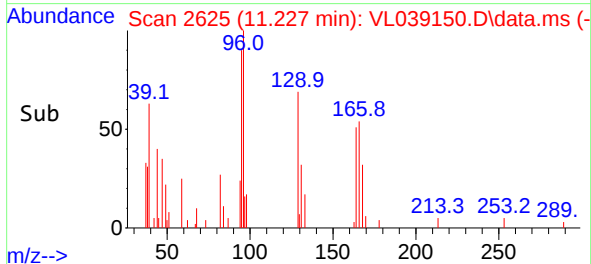
Instrument :
MSVOA_L
ClientSampleId :
IA4



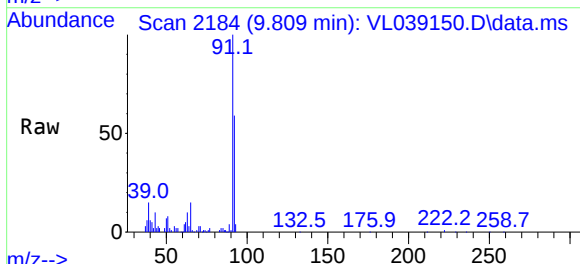
Tgt Ion:164 Resp: 348
Ion Ratio Lower Upper
164 100
166 113.0 96.3 144.5
129 133.9 82.5 123.7
131 61.6 82.1 123.1#

Manual Integrations
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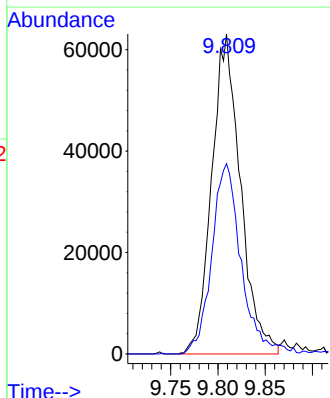
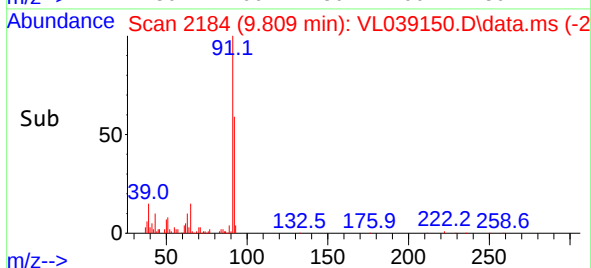
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

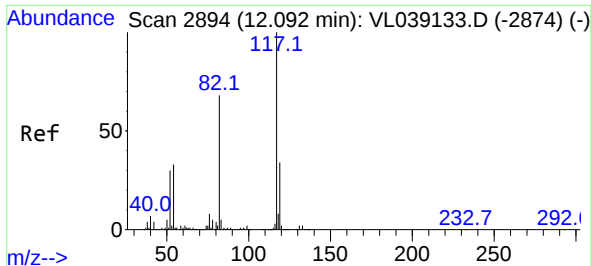


#53
Toluene
Concen: 0.494 ppbv
RT: 9.809 min Scan# 2184
Delta R.T. -0.003 min
Lab File: VL039150.D
Acq: 1 Jun 2022 16:29



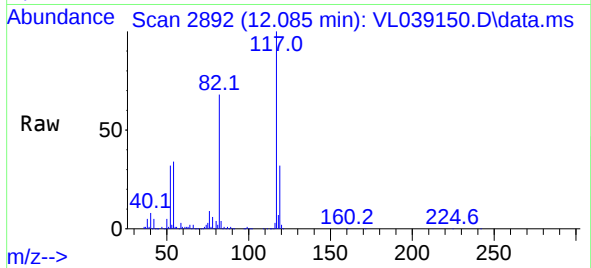
Tgt Ion: 91 Resp: 133421
Ion Ratio Lower Upper
91 100
92 60.7 48.1 72.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.085 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL039150.D
Acq: 1 Jun 2022 16:29

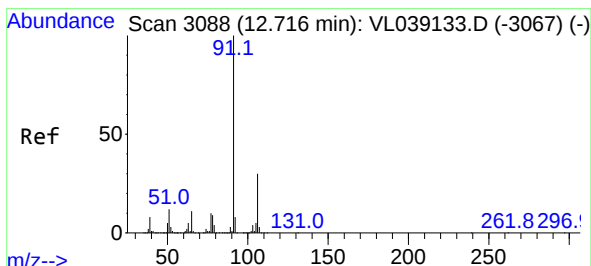
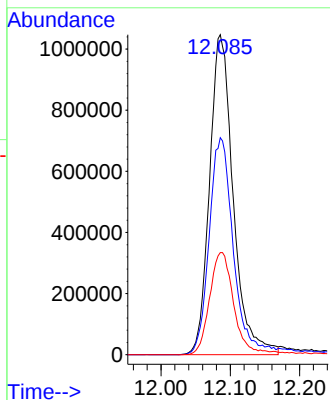
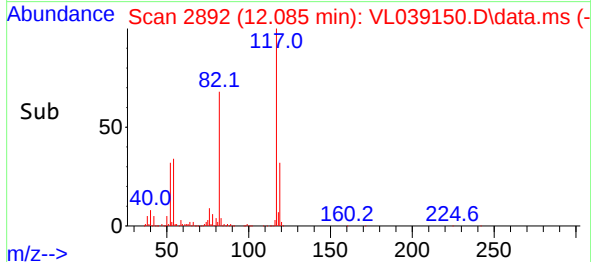
Instrument :
MSVOA_L
ClientSampleId :
IA4



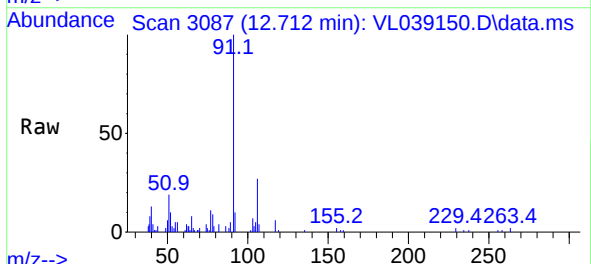
Tgt Ion:117 Resp: 248460
Ion Ratio Lower Upper
117 100
82 72.5 55.1 82.7
119 33.3 24.7 37.1

Manual Integrations
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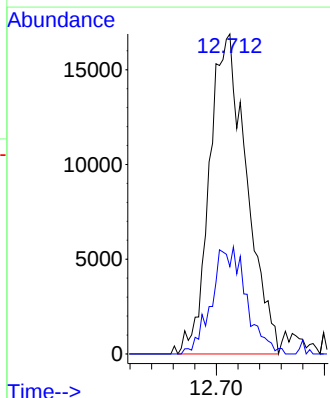
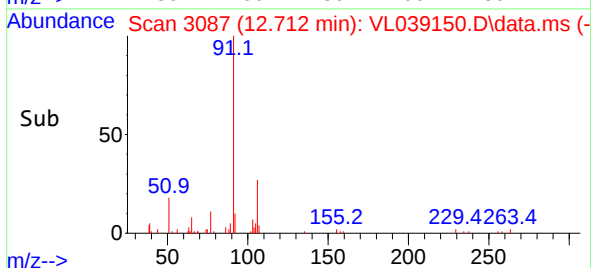
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

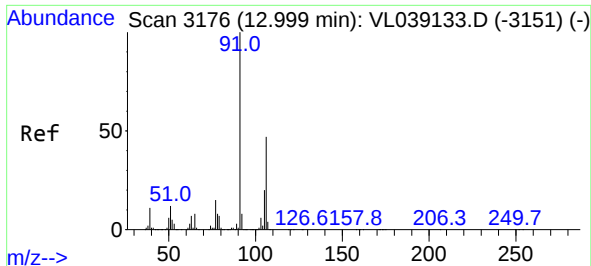


#58
Ethyl Benzene
Concen: 0.118 ppbv m
RT: 12.712 min Scan# 3087
Delta R.T. -0.003 min
Lab File: VL039150.D
Acq: 1 Jun 2022 16:29



Tgt Ion: 91 Resp: 40338
Ion Ratio Lower Upper
91 100
106 27.3 24.2 36.4





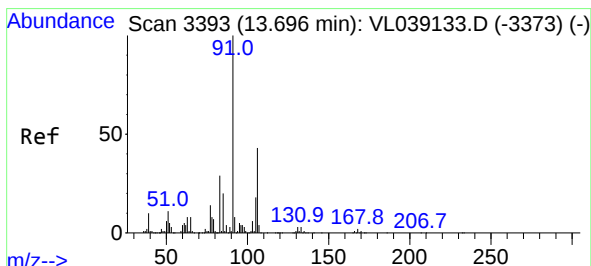
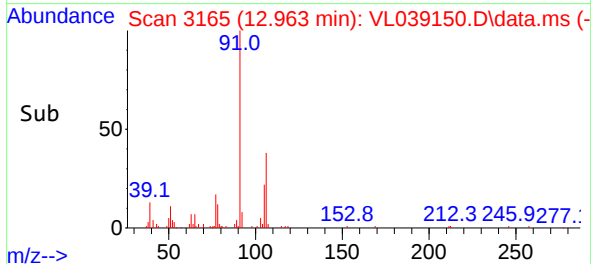
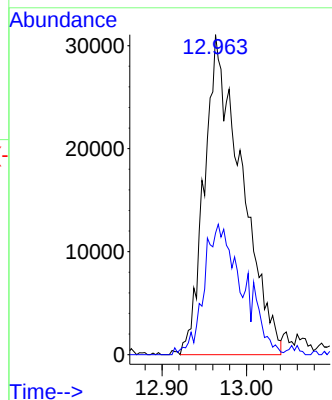
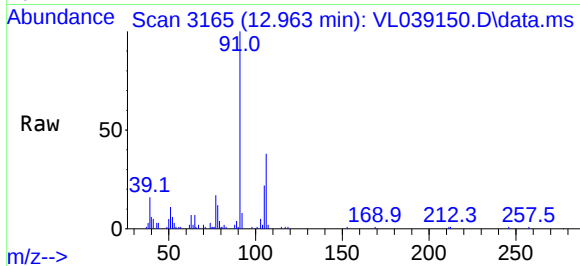
#59
m/p-Xylene
Concen: 0.314 ppbv m
RT: 12.963 min Scan# 3176
Delta R.T. -0.035 min
Lab File: VL039150.D
Acq: 1 Jun 2022 16:29

Instrument :
MSVOA_L
ClientSampleId :
IA4

Tgt Ion: 91 Resp: 94678
Ion Ratio Lower Upper
91 100
106 0.0 34.3 51.5

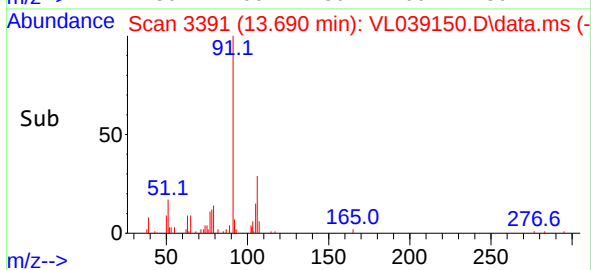
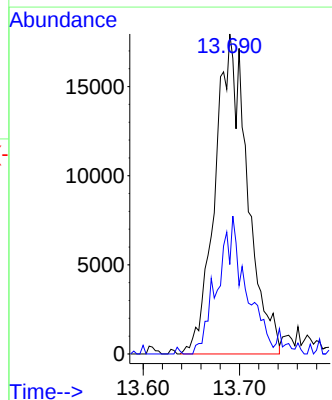
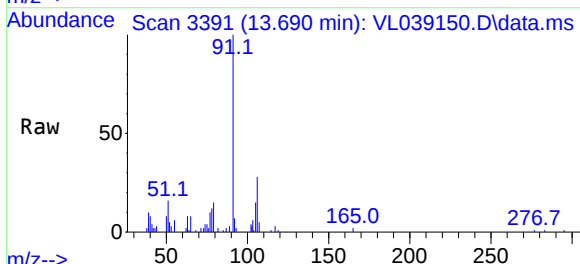
Manual Integrations
APPROVED

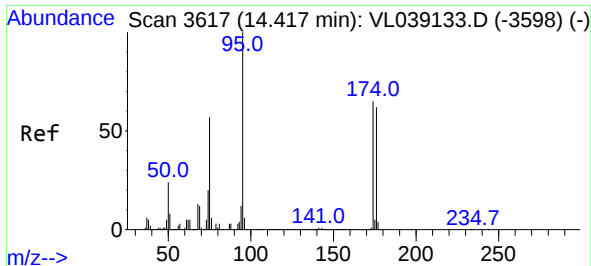
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#60
o-Xylene
Concen: 0.149 ppbv m
RT: 13.690 min Scan# 3391
Delta R.T. -0.006 min
Lab File: VL039150.D
Acq: 1 Jun 2022 16:29

Tgt Ion: 91 Resp: 42127
Ion Ratio Lower Upper
91 100
106 39.9 22.3 66.9





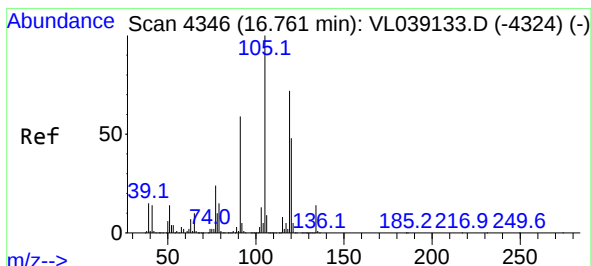
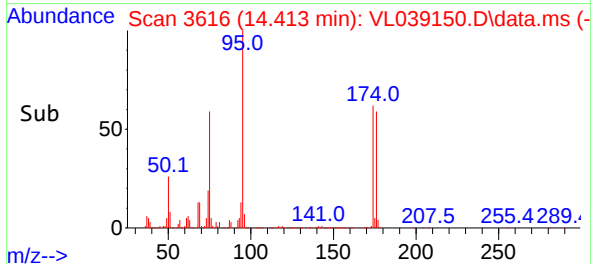
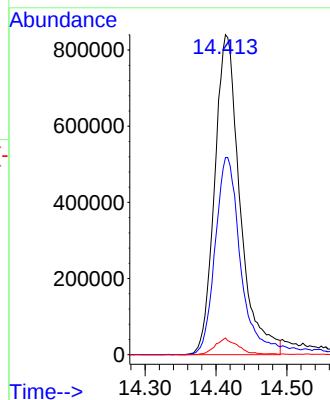
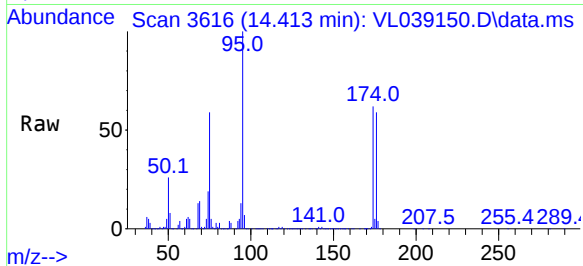
#68
1-Bromo-4-Fluorobenzene
Concen: 10.157 ppbv
RT: 14.413 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL039150.D
Acq: 1 Jun 2022 16:29

Instrument :
MSVOA_L
ClientSampleId :
IA4

Tgt Ion: 95 Resp: 208644
Ion Ratio Lower Upper
95 100
174 65.9 53.8 80.8
175 4.8 4.1 6.1

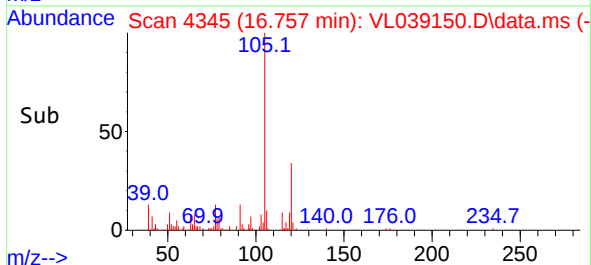
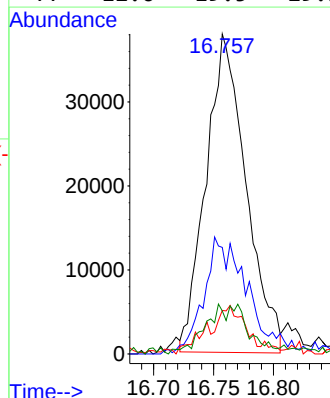
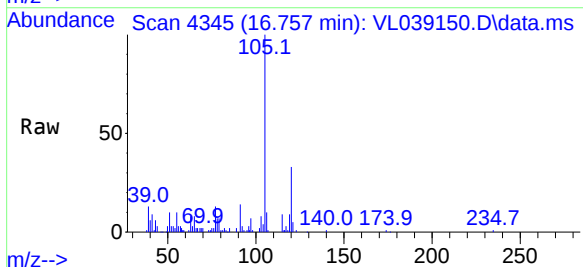
Manual Integrations
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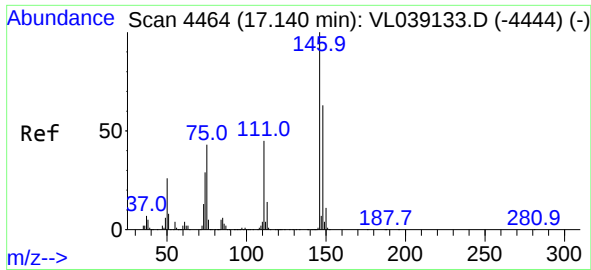
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.263 ppbv
RT: 16.757 min Scan# 4345
Delta R.T. -0.003 min
Lab File: VL039150.D
Acq: 1 Jun 2022 16:29

Tgt Ion:105 Resp: 88009
Ion Ratio Lower Upper
105 100
120 31.1 38.1 57.1#
91 13.0 47.4 71.0#
77 12.6 19.5 29.3#





#76

1,4-Dichlorobenzene

Concen: 1.971 ppbv

RT: 17.137 min Scan# 44

Delta R.T. -0.003 min

Lab File: VL039150.D

Acq: 1 Jun 2022 16:29

Instrument :

MSVOA_L

ClientSampleId :

IA4

Tgt Ion:146 Resp: 371868

Ion Ratio Lower Upper

146 100

111 50.0 23.6 71.0

148 68.7 33.7 101.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2022

Supervised By :Mahesh Dadoda 06/06/2022

