

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060122\
 Data File : VL039146.D
 Acq On : 1 Jun 2022 13:47
 Operator : SY/AP
 Sample : N3106-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

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

Quant Time: Jun 02 00:38:41 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 02 00:38:41 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	5.668	49	1133301	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.176	114	2712766	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.082	117	2392024	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.410	95	2018289	10.206	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.100%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.057	85	53827	0.270	ppbv	95
4) Chloromethane	3.150	50	44410m	0.600	ppbv	
9) Propene	3.031	41	668978m	10.640	ppbv	
10) Heptane	8.121	43	25456m	0.174	ppbv	
11) Trichlorofluoromethane	3.954	101	42308m	0.235	ppbv	
13) Ethanol	3.603	45	2456403	716.363	ppbv #	100
15) Acetone	3.848	43	3004157	25.447	ppbv	97
19) Isopropyl Alcohol	3.967	45	4373579	78.988	ppbv	99
20) Methylene Chloride	4.349	84	491226	9.874	ppbv	96
25) Ethyl Acetate	5.680	43	650516	2.445	ppbv #	95
29) Chloroform	5.758	83	29296m	0.149	ppbv	
30) Cyclohexane	7.134	84	73265m	0.746	ppbv	
34) 2-Butanone	5.250	43	463135	3.142	ppbv	100
35) Carbon Tetrachloride	7.021	117	13635m	0.069	ppbv	
36) Benzene	6.893	78	216834	0.985	ppbv	96
37) 1,2-Dichloroethane	6.307	62	866582	5.979	ppbv	98
41) Tetrahydrofuran	6.053	42	203752	2.299	ppbv	96
44) 2,2,4-Trimethylpentane	7.867	57	55546m	0.144	ppbv	
52) Tetrachloroethene	11.227	164	5618m	0.065	ppbv	
53) Toluene	9.806	91	739361	2.915	ppbv	98
58) Ethyl Benzene	12.709	91	84994m	0.258	ppbv	
59) m/p-Xylene	12.966	91	283291m	0.976	ppbv	
60) o-Xylene	13.687	91	98820	0.362	ppbv	93
72) 4-Ethyltoluene	15.831	105	32342m	0.101	ppbv	
73) 1,3,5-Trimethylbenzene	15.989	105	30734m	0.107	ppbv	
74) 1,2,4-Trimethylbenzene	16.760	105	92183m	0.287	ppbv	
76) 1,4-Dichlorobenzene	17.130	146	531977	2.929	ppbv	98

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

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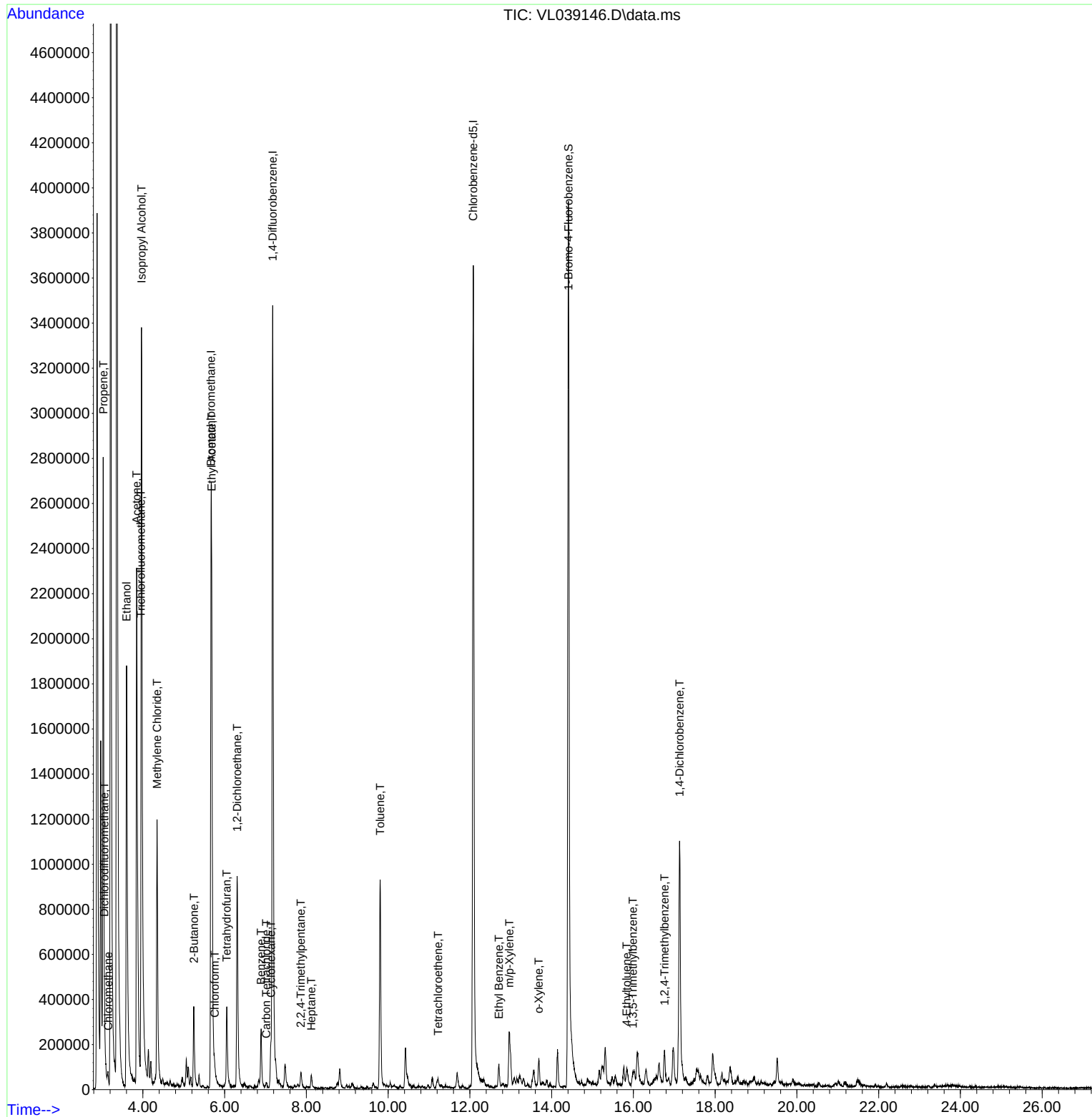
Quant Time: Jun 02 00:38:41 2022

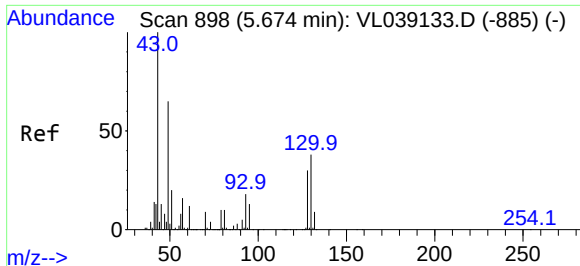
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

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

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

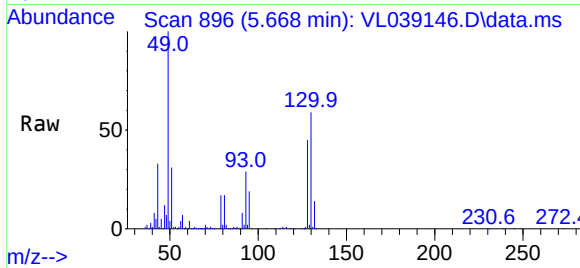
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.668 min Scan# 89
Delta R.T. -0.007 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47

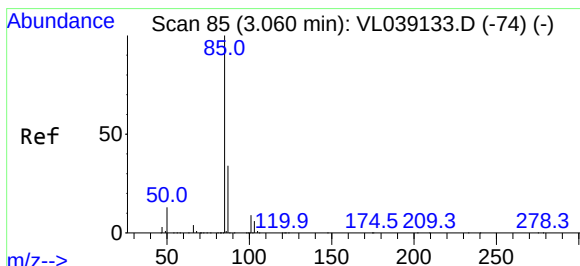
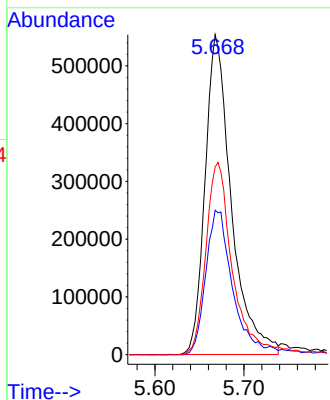
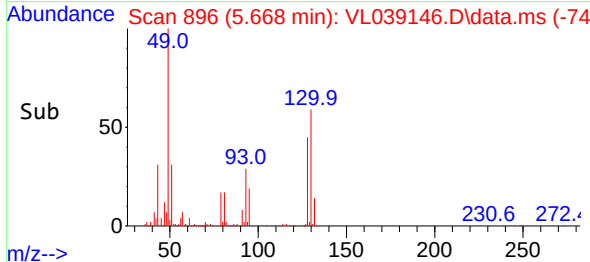
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 113330
Ion Ratio Lower Upper
49 100
128 48.1 24.7 74.1
130 62.0 31.4 94.0

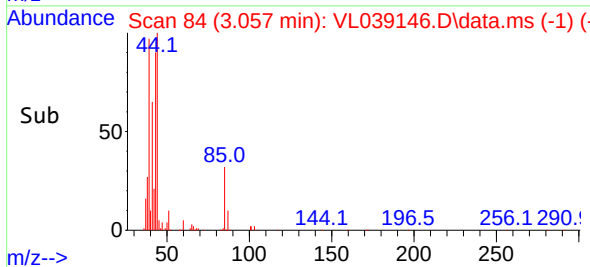
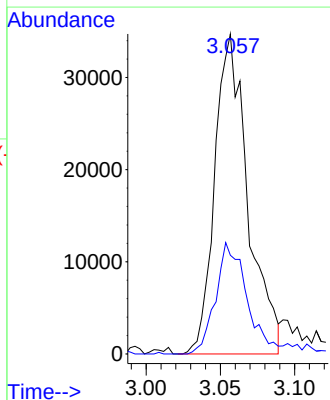
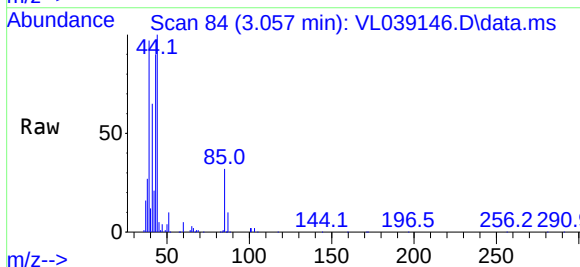
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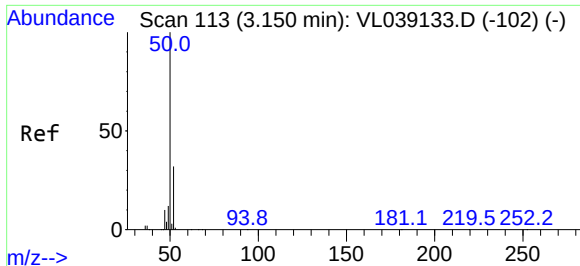
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#2
Dichlorodifluoromethane
Concen: 0.270 ppbv
RT: 3.057 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47

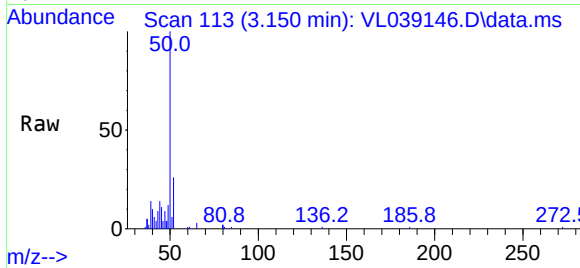
Tgt Ion: 85 Resp: 53827
Ion Ratio Lower Upper
85 100
87 30.8 26.9 40.3





#4
Chloromethane
Concen: 0.600 ppbv m
RT: 3.150 min Scan# 113
Delta R.T. -0.000 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47

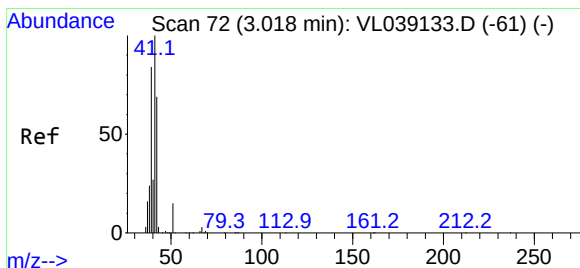
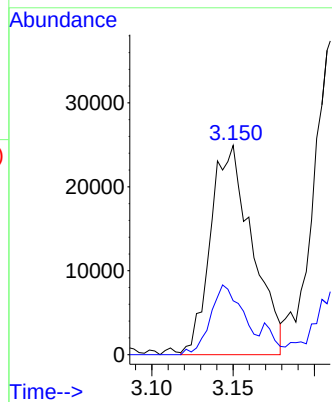
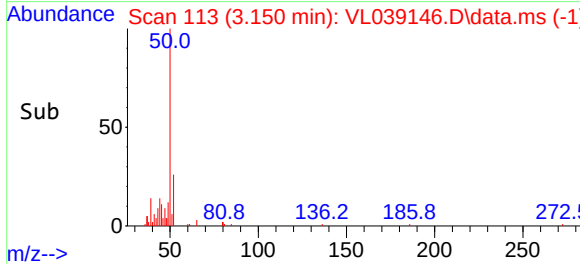
Instrument :
MSVOA_L
ClientSampleId :
IA1



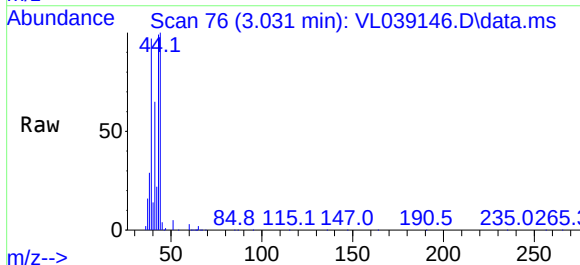
Tgt Ion: 50 Resp: 44410
Ion Ratio Lower Upper
50 100
52 25.7 25.9 38.9

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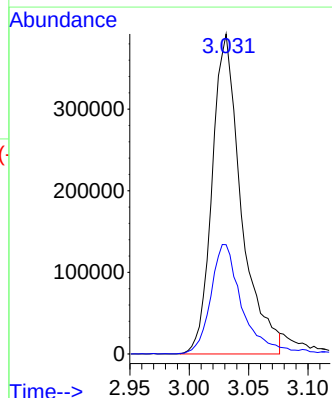
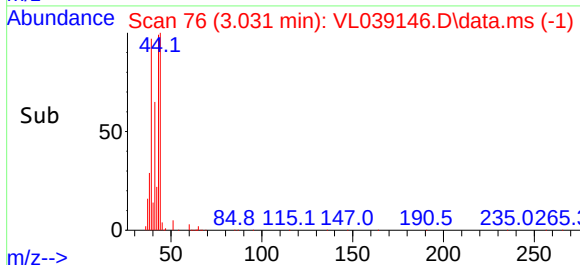
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

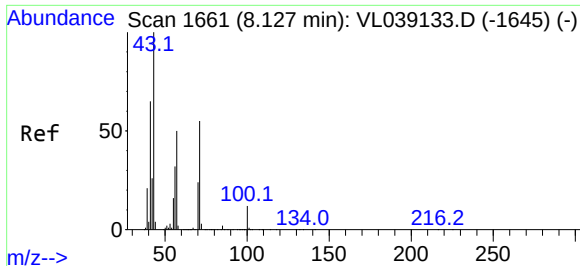


#9
Propene
Concen: 10.640 ppbv m
RT: 3.031 min Scan# 76
Delta R.T. 0.013 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47



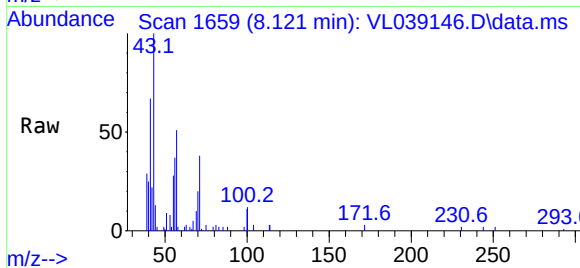
Tgt Ion: 41 Resp: 668978
Ion Ratio Lower Upper
41 100
42 265.6 55.4 83.2





#10
Heptane
Concen: 0.174 ppbv m
RT: 8.121 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47

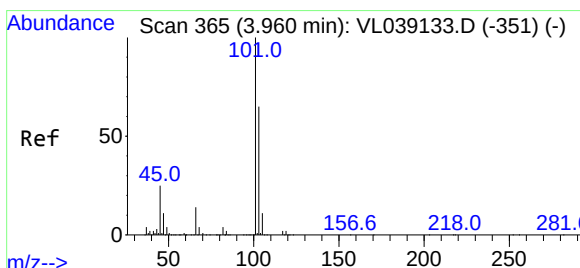
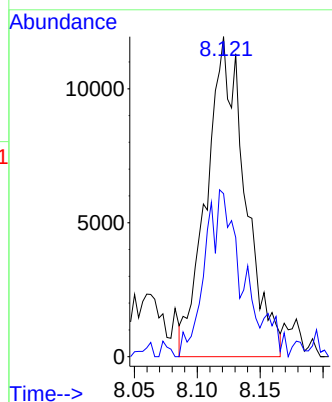
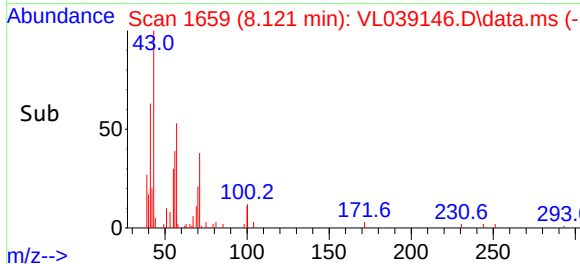
Instrument :
MSVOA_L
ClientSampleId :
IA1



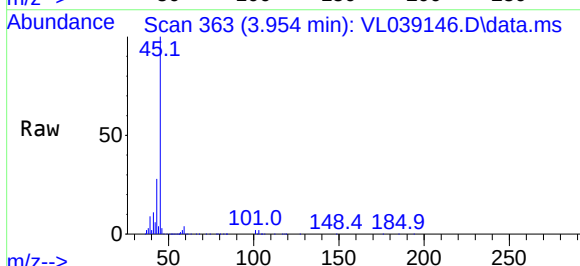
Tgt Ion: 43 Resp: 25456
Ion Ratio Lower Upper
43 100
57 54.9 41.4 62.2

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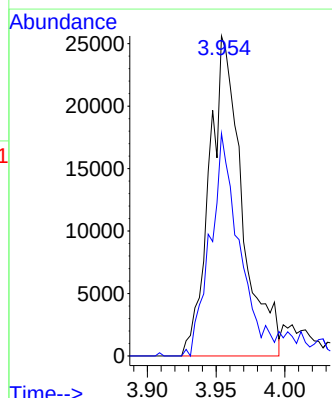
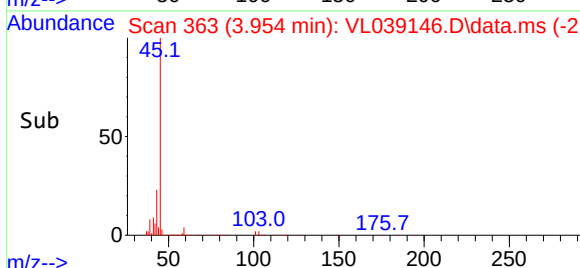
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

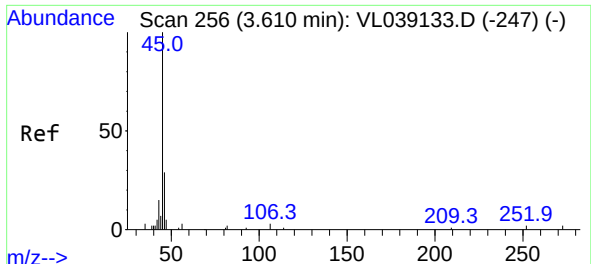


#11
Trichlorofluoromethane
Concen: 0.235 ppbv m
RT: 3.954 min Scan# 363
Delta R.T. -0.007 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47



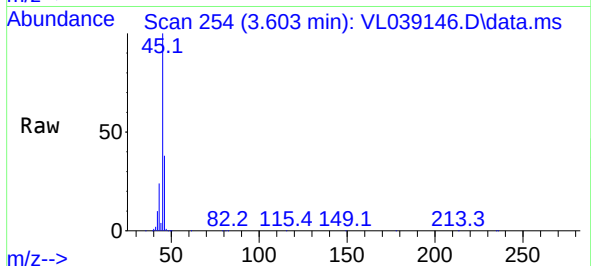
Tgt Ion:101 Resp: 42308
Ion Ratio Lower Upper
101 100
103 69.5 51.7 77.5





#13
Ethanol
Concen: 716.363 ppbv
RT: 3.603 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47

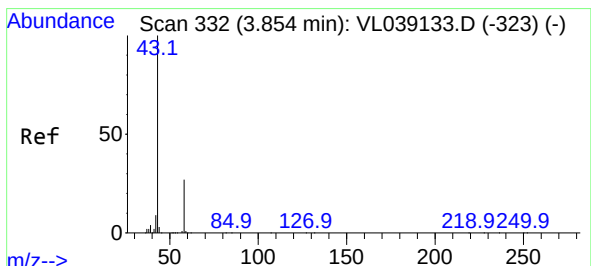
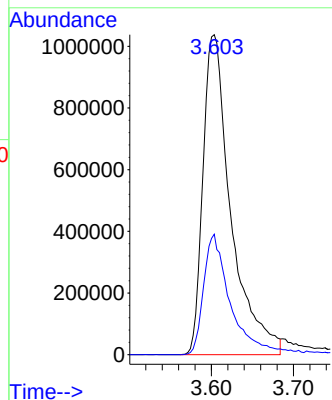
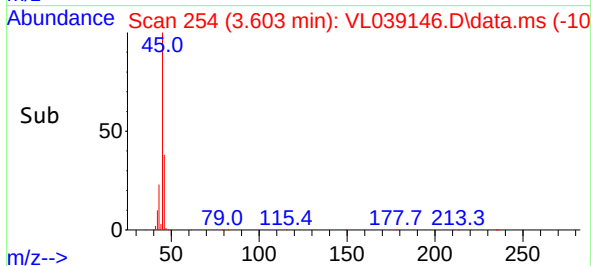
Instrument :
MSVOA_L
ClientSampleId :
IA1



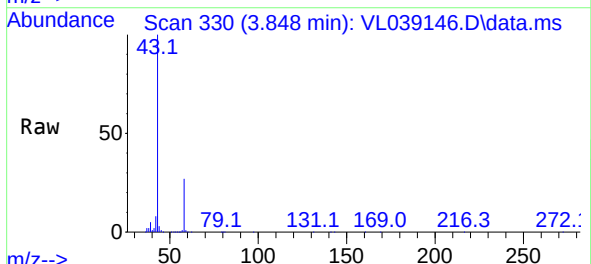
Tgt Ion: 45 Resp: 245640
Ion Ratio Lower Upper
45 100
46 37.3 0.0 0.0

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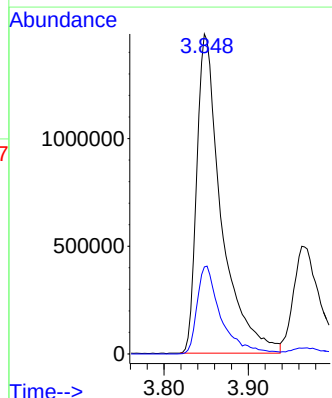
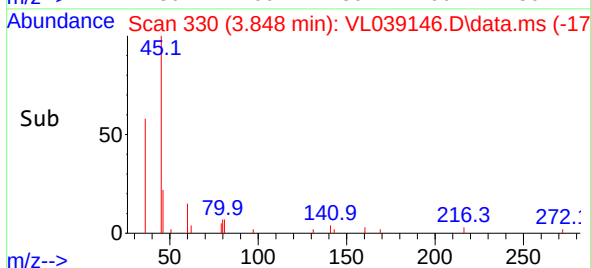
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

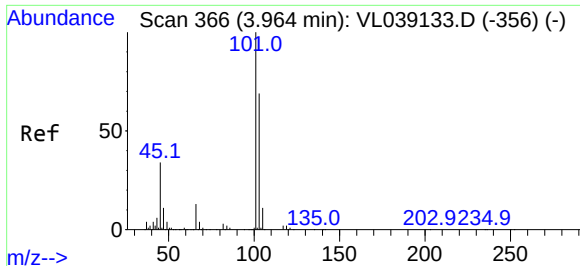


#15
Acetone
Concen: 25.447 ppbv
RT: 3.848 min Scan# 330
Delta R.T. -0.007 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47



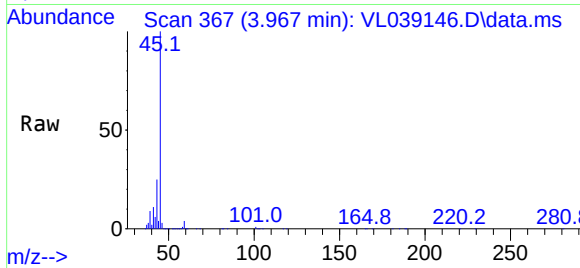
Tgt Ion: 43 Resp: 3004157
Ion Ratio Lower Upper
43 100
58 26.8 22.5 33.7





#19
Isopropyl Alcohol
Concen: 78.988 ppbv
RT: 3.967 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47

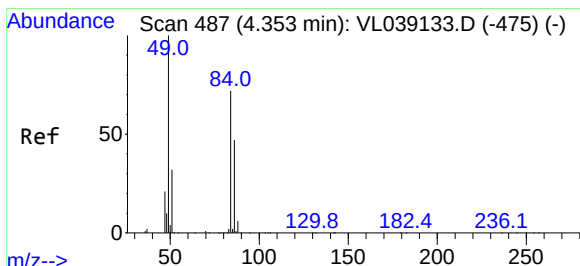
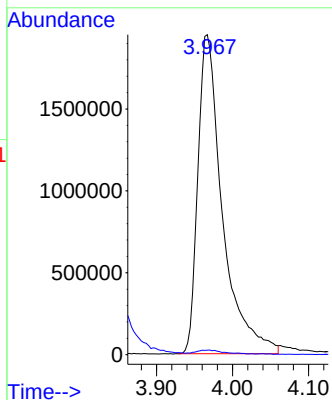
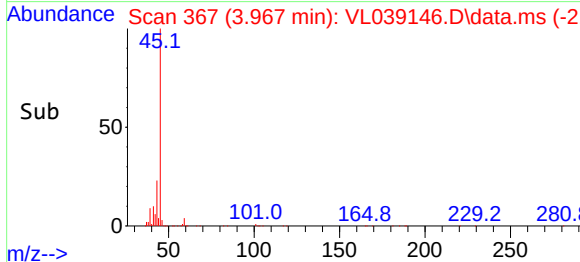
Instrument :
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ClientSampleId :
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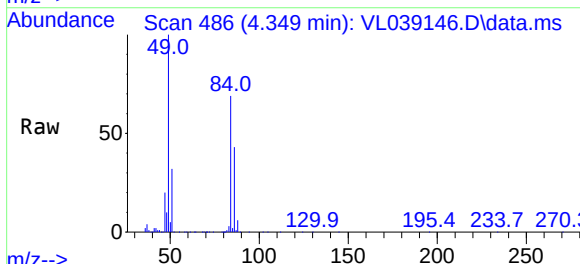
Tgt Ion: 45 Resp: 4373579
Ion Ratio Lower Upper
45 100
58 1.9 1.8 2.8

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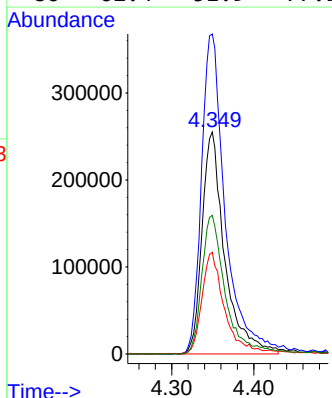
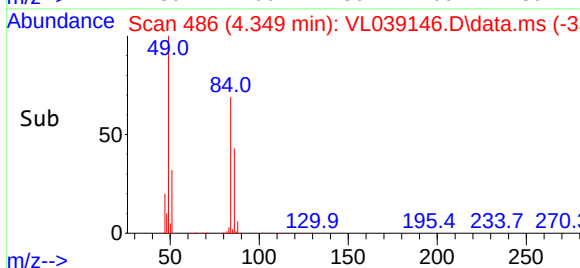
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

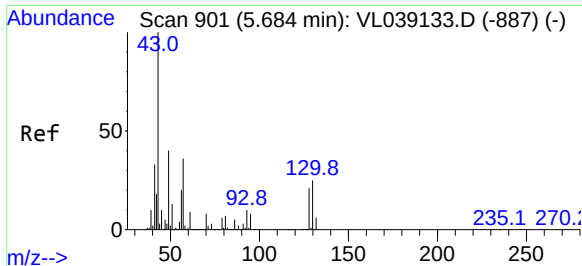


#20
Methylene Chloride
Concen: 9.874 ppbv
RT: 4.349 min Scan# 486
Delta R.T. -0.003 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47



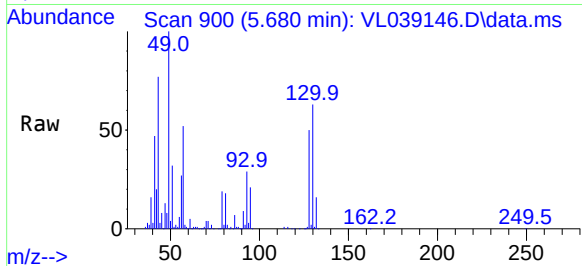
Tgt Ion: 84 Resp: 491226
Ion Ratio Lower Upper
84 100
49 144.1 111.1 166.7
51 45.8 35.3 52.9
86 62.4 51.9 77.9





#25
Ethyl Acetate
Concen: 2.445 ppbv
RT: 5.680 min Scan# 901
Delta R.T. -0.003 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47

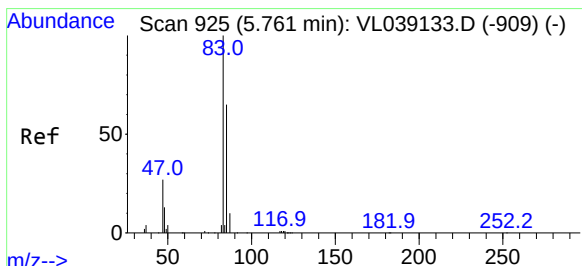
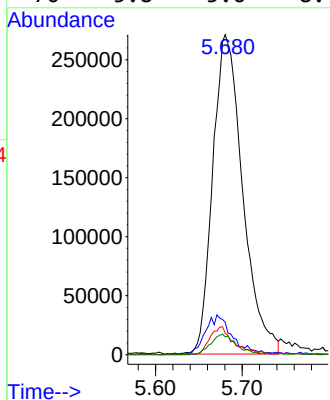
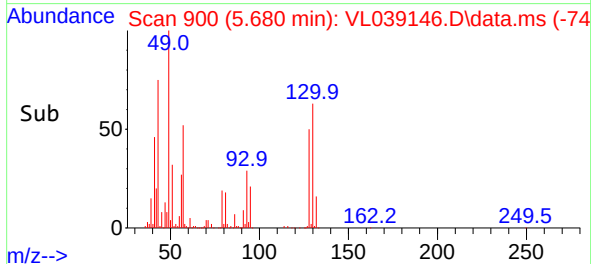
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 650510
Ion Ratio Lower Upper
43 100
45 11.6 8.2 12.2
61 7.3 8.4 12.6
70 5.8 5.6 8.4

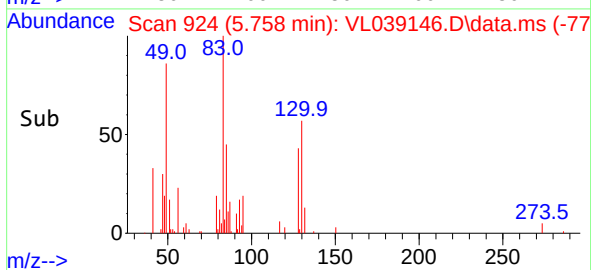
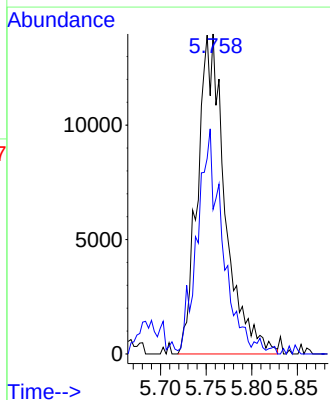
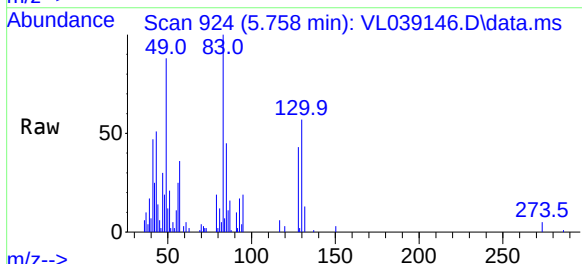
Manual Integrations
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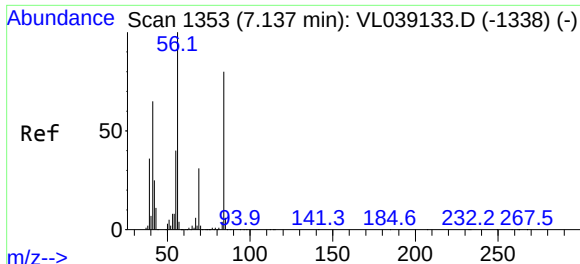
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#29
Chloroform
Concen: 0.149 ppbv m
RT: 5.758 min Scan# 924
Delta R.T. -0.003 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47

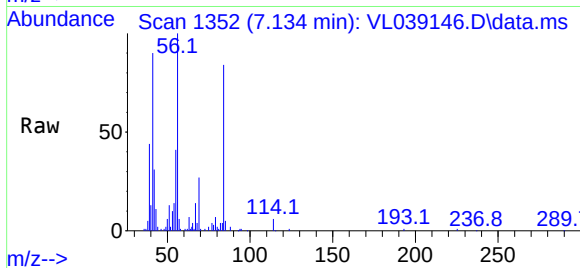
Tgt Ion: 83 Resp: 29296
Ion Ratio Lower Upper
83 100
85 45.2 52.4 78.6#





#30
Cyclohexane
Concen: 0.746 ppbv m
RT: 7.134 min Scan# 1353
Delta R.T. -0.003 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47

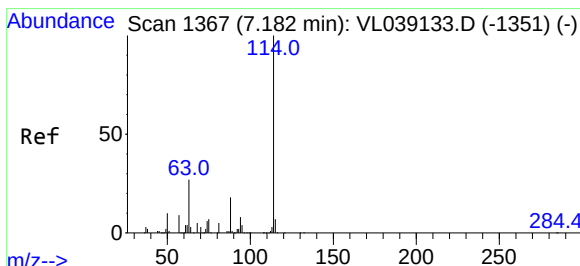
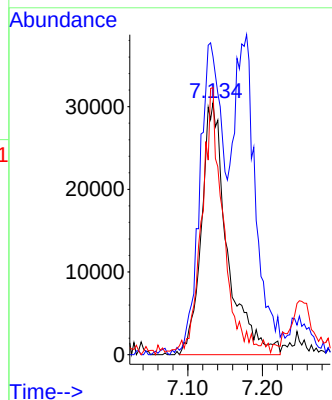
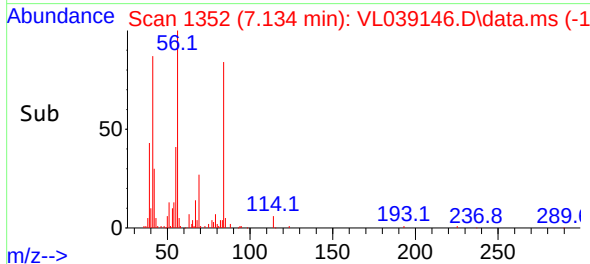
Instrument :
MSVOA_L
ClientSampleId :
IA1



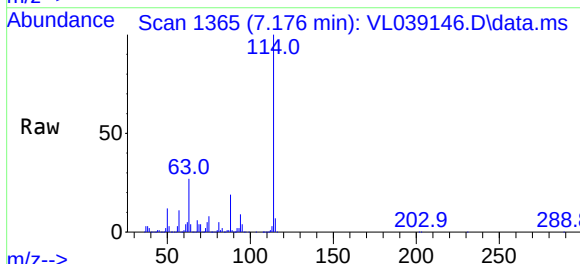
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Ion Ratio Lower Upper
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41 85.0 68.9 103.3

Manual Integrations
APPROVED

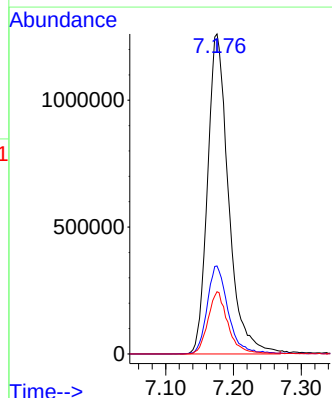
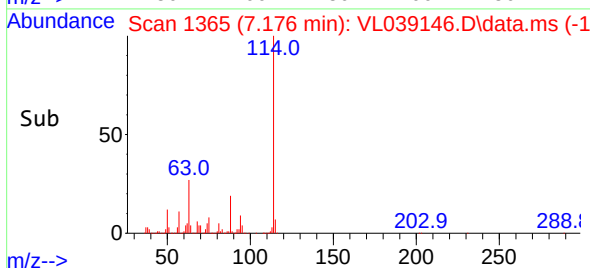
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

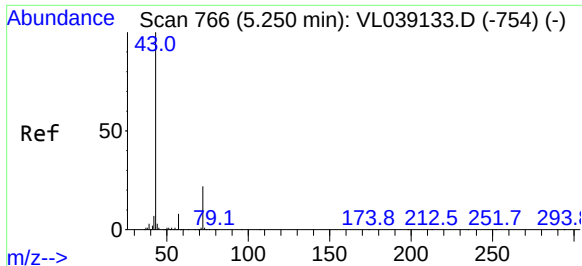


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.176 min Scan# 1365
Delta R.T. -0.007 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47



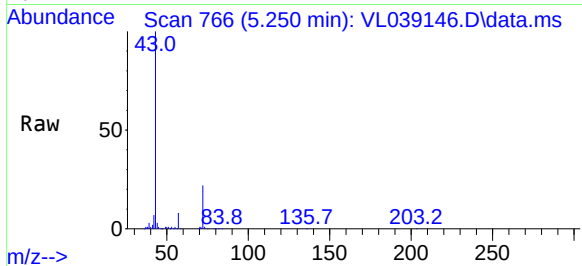
Tgt Ion:114 Resp: 2712766
Ion Ratio Lower Upper
114 100
63 28.0 21.7 32.5
88 18.8 14.8 22.2





#34
2-Butanone
Concen: 3.142 ppbv
RT: 5.250 min Scan# 70
Delta R.T. -0.000 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47

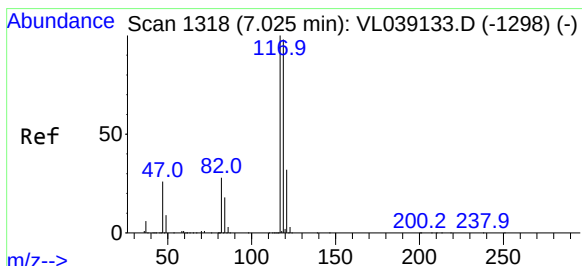
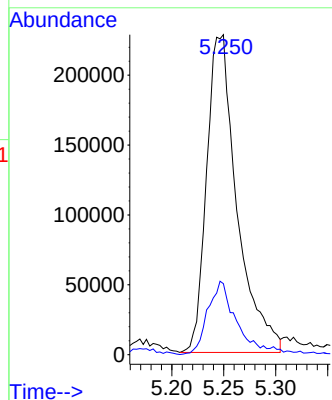
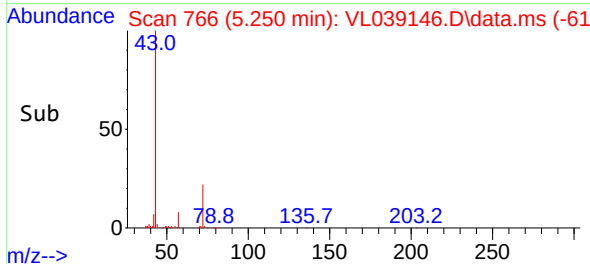
Instrument :
MSVOA_L
ClientSampleId :
IA1



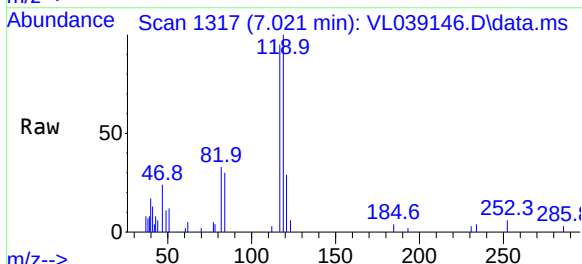
Tgt Ion: 43 Resp: 46313
Ion Ratio Lower Upper
43 100
72 22.7 18.2 27.2

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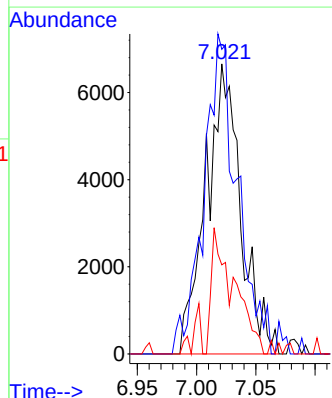
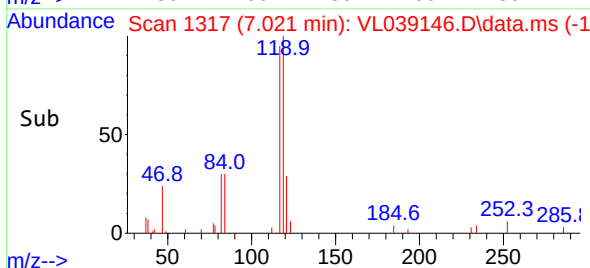
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

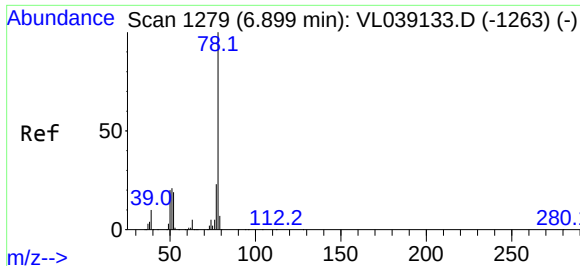


#35
Carbon Tetrachloride
Concen: 0.069 ppbv m
RT: 7.021 min Scan# 1317
Delta R.T. -0.003 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47



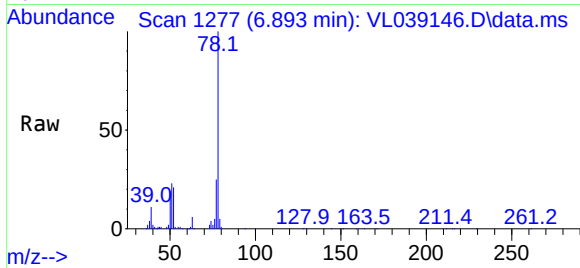
Tgt Ion:117 Resp: 13635
Ion Ratio Lower Upper
117 100
119 105.0 78.6 118.0
121 30.7 25.4 38.0





#36
Benzene
Concen: 0.985 ppbv
RT: 6.893 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47

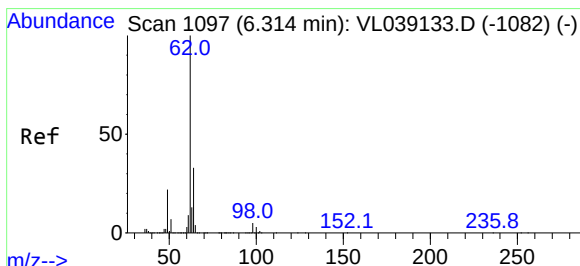
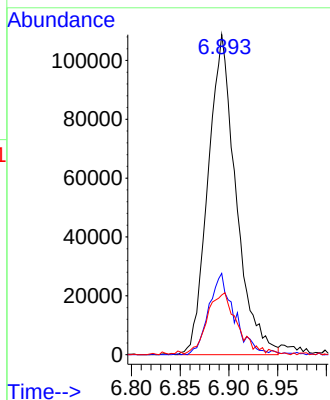
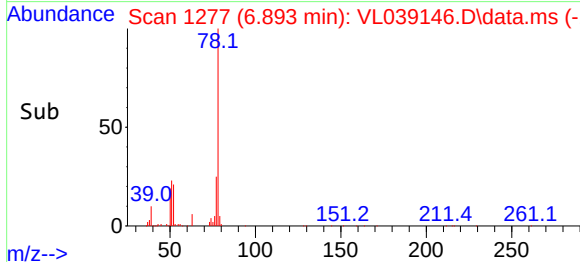
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 78 Resp: 216834
Ion Ratio Lower Upper
78 100
77 25.1 18.6 27.8
50 18.2 15.8 23.8

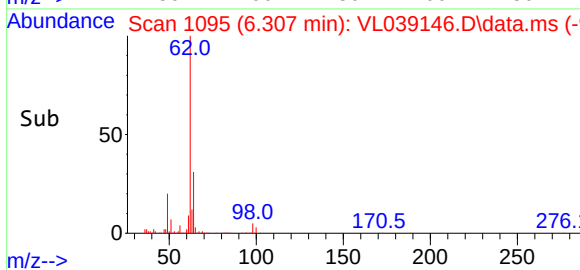
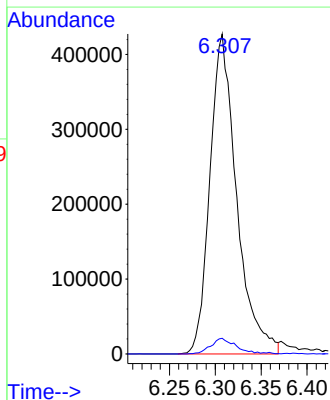
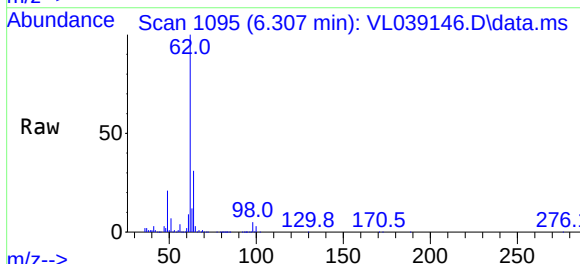
Manual Integrations
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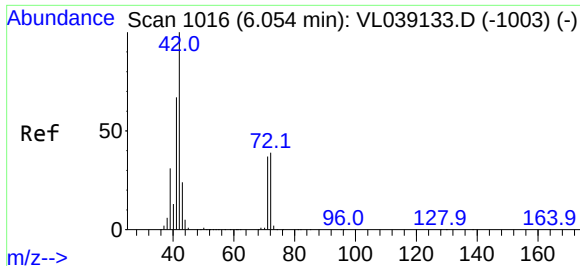
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#37
1,2-Dichloroethane
Concen: 5.979 ppbv
RT: 6.307 min Scan# 1095
Delta R.T. -0.007 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47

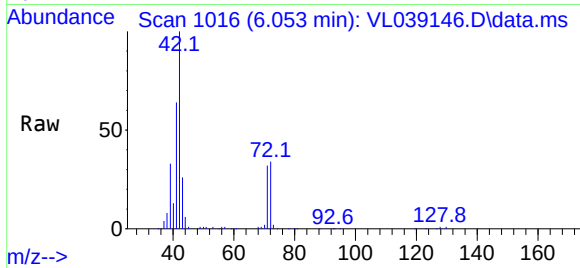
Tgt Ion: 62 Resp: 866582
Ion Ratio Lower Upper
62 100
98 4.8 4.3 6.5





#41
Tetrahydrofuran
Concen: 2.299 ppbv
RT: 6.053 min Scan# 1016
Delta R.T. -0.000 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47

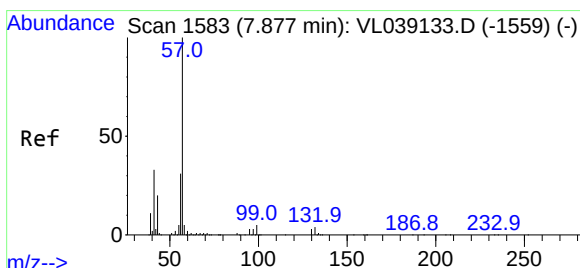
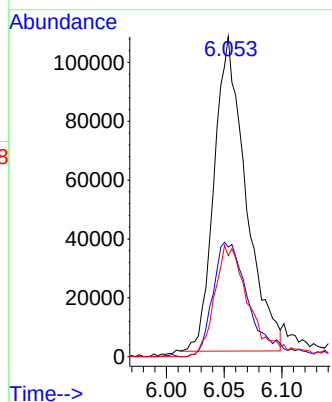
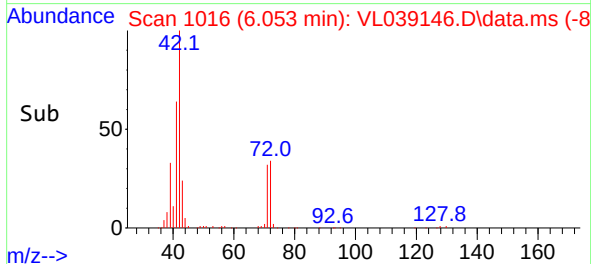
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 42 Resp: 203752
Ion Ratio Lower Upper
42 100
72 43.6 32.0 48.0
71 40.0 31.1 46.7

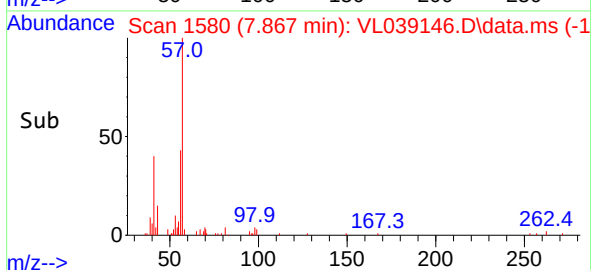
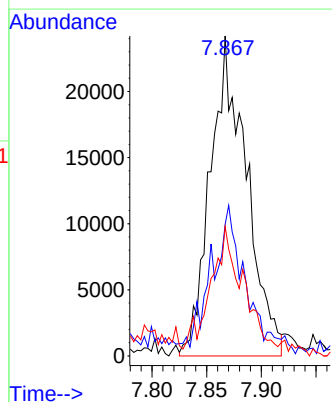
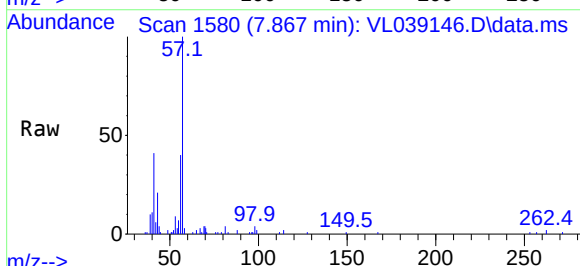
Manual Integrations
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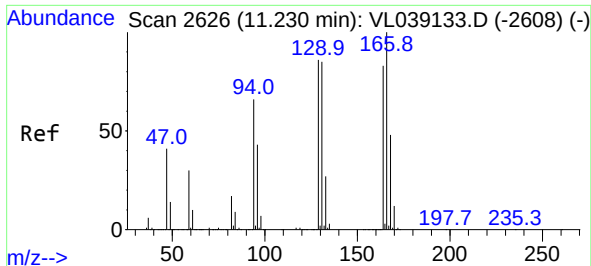
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#44
2,2,4-Trimethylpentane
Concen: 0.144 ppbv m
RT: 7.867 min Scan# 1580
Delta R.T. -0.010 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47

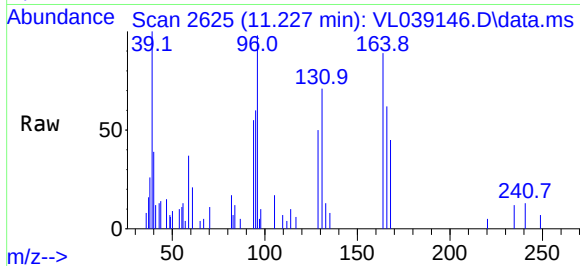
Tgt Ion: 57 Resp: 55546
Ion Ratio Lower Upper
57 100
41 45.7 26.2 39.4#
56 42.6 24.7 37.1#





#52
Tetrachloroethene
Concen: 0.065 ppbv m
RT: 11.227 min Scan# 2625
Delta R.T. -0.003 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47

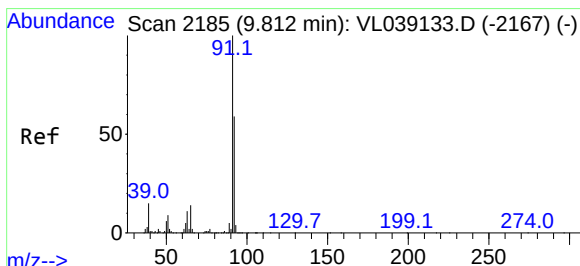
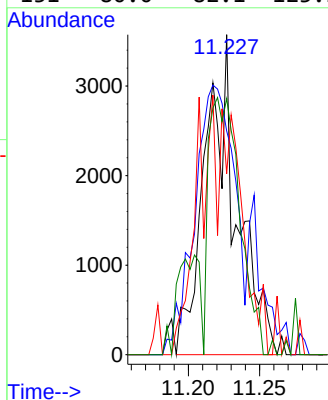
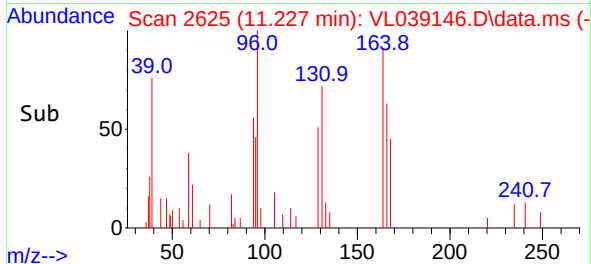
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:164 Resp: 5618
Ion Ratio Lower Upper
164 100
166 69.9 96.3 144.5
129 56.6 82.5 123.7
131 80.0 82.1 123.1

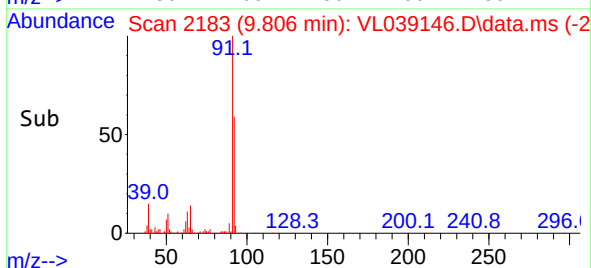
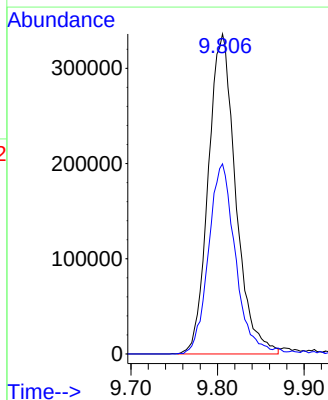
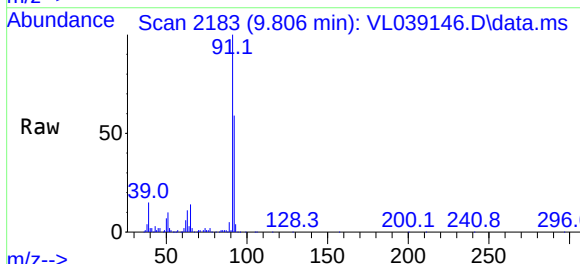
Manual Integrations
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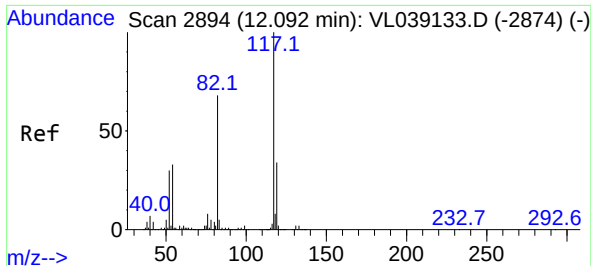
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#53
Toluene
Concen: 2.915 ppbv
RT: 9.806 min Scan# 2183
Delta R.T. -0.007 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47

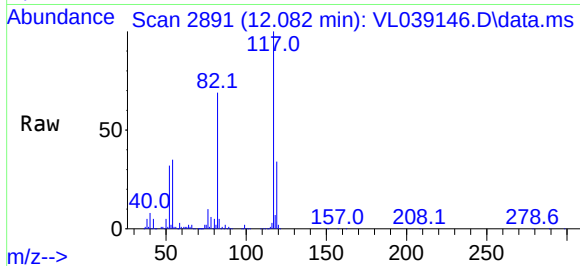
Tgt Ion: 91 Resp: 739361
Ion Ratio Lower Upper
91 100
92 58.9 48.1 72.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.082 min Scan# 2891
Delta R.T. -0.010 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47

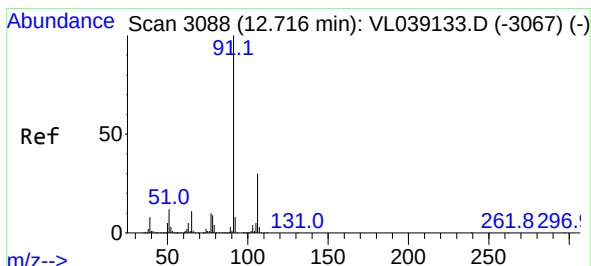
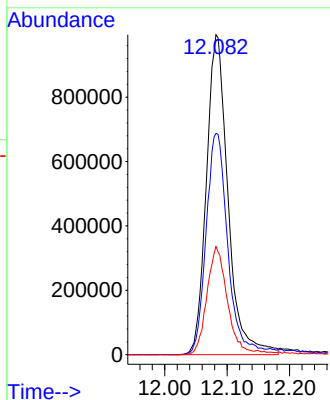
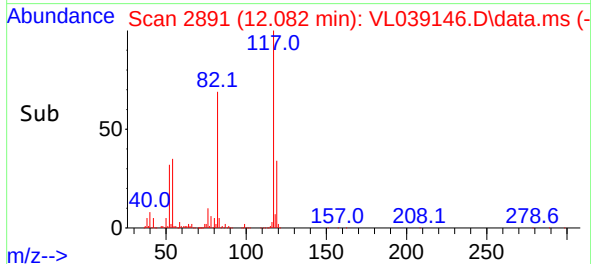
Instrument :
MSVOA_L
ClientSampleId :
IA1



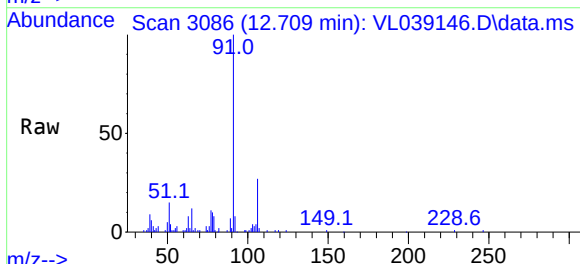
Tgt Ion:117 Resp: 2392024
Ion Ratio Lower Upper
117 100
82 72.0 55.1 82.7
119 33.3 24.7 37.1

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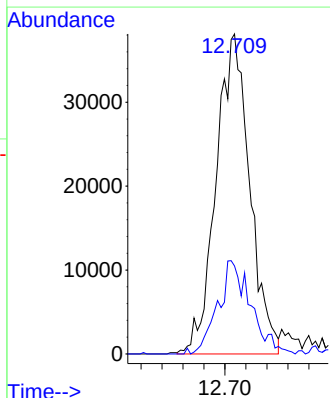
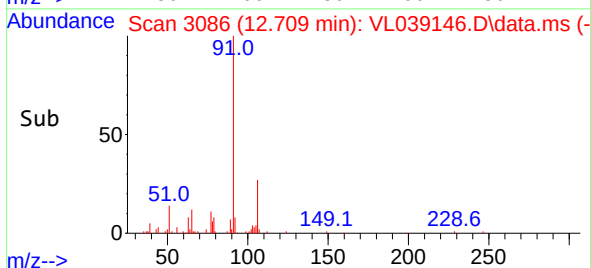
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

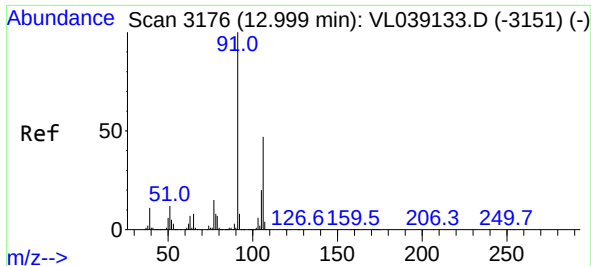


#58
Ethyl Benzene
Concen: 0.258 ppbv m
RT: 12.709 min Scan# 3086
Delta R.T. -0.007 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47



Tgt Ion: 91 Resp: 84994
Ion Ratio Lower Upper
91 100
106 27.5 24.2 36.4





#59

m/p-Xylene

Concen: 0.976 ppbv m

RT: 12.966 min Scan# 3176

Delta R.T. -0.032 min

Lab File: VL039146.D

Acq: 1 Jun 2022 13:47

Instrument :

MSVOA_L

ClientSampleId :

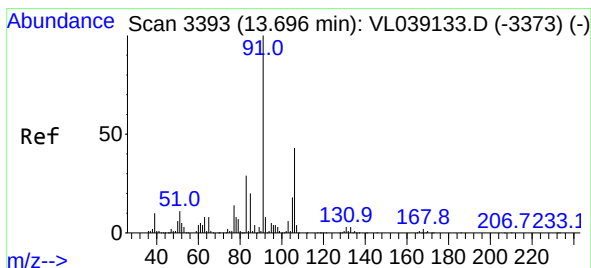
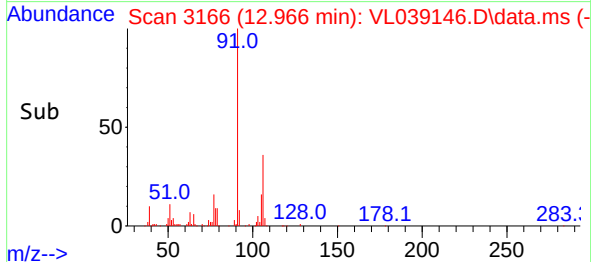
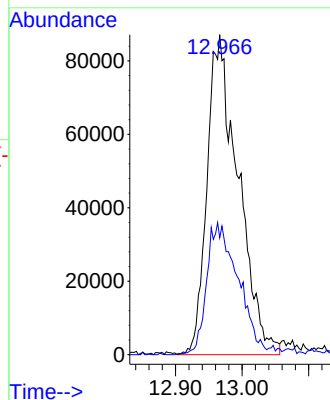
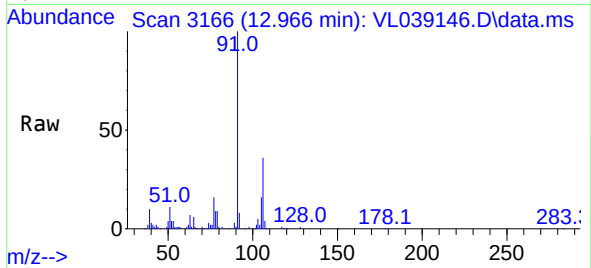
IA1

Tgt Ion: 91 Resp: 28329
 Ion Ratio Lower Upper
 91 100
 106 0.0 34.3 51.5

Manual Integrations

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



#60

o-Xylene

Concen: 0.362 ppbv

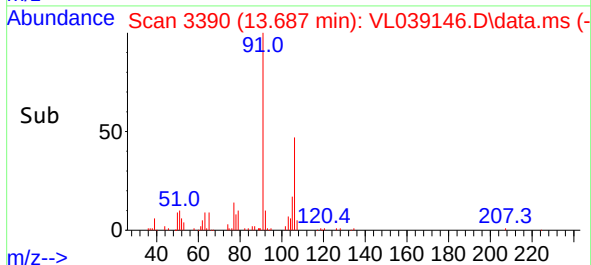
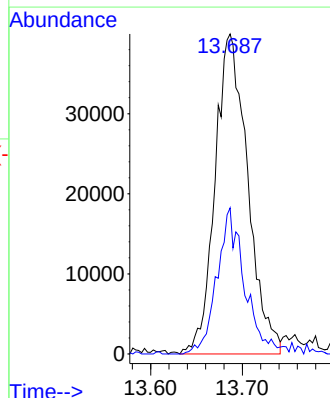
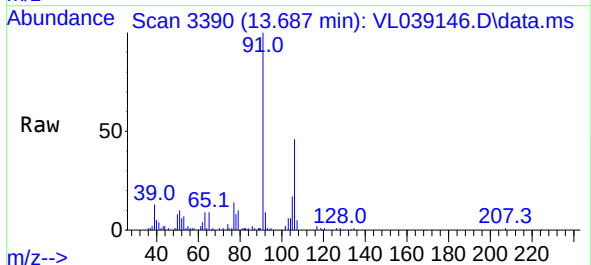
RT: 13.687 min Scan# 3390

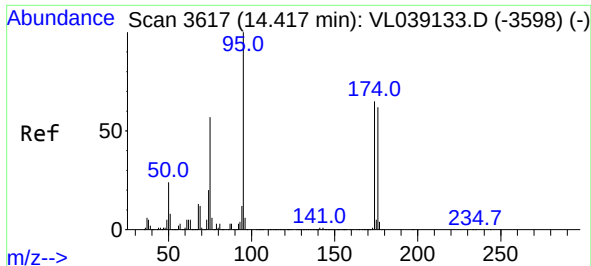
Delta R.T. -0.010 min

Lab File: VL039146.D

Acq: 1 Jun 2022 13:47

Tgt Ion: 91 Resp: 98820
 Ion Ratio Lower Upper
 91 100
 106 40.1 22.3 66.9





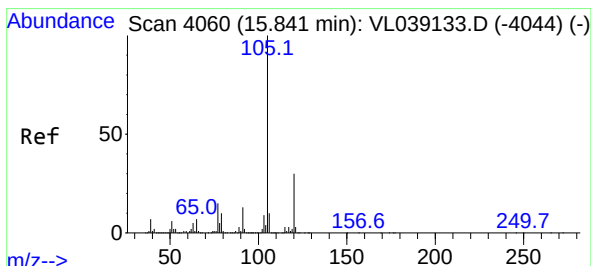
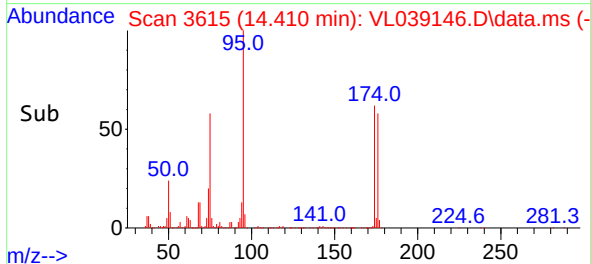
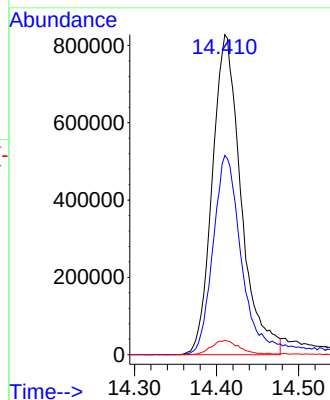
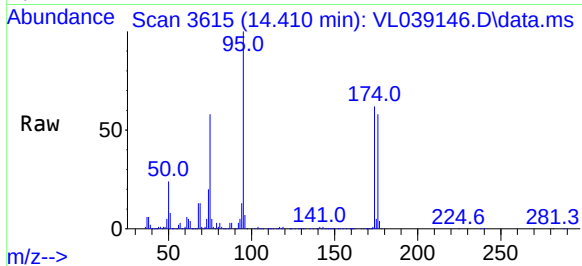
#68
1-Bromo-4-Fluorobenzene
Concen: 10.206 ppbv
RT: 14.410 min Scan# 301
Delta R.T. -0.007 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 95 Resp: 2018289
Ion Ratio Lower Upper
95 100
174 66.0 53.8 80.8
175 4.8 4.1 6.1

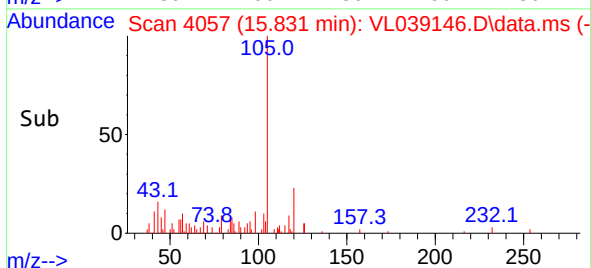
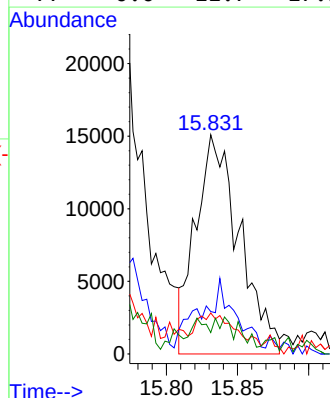
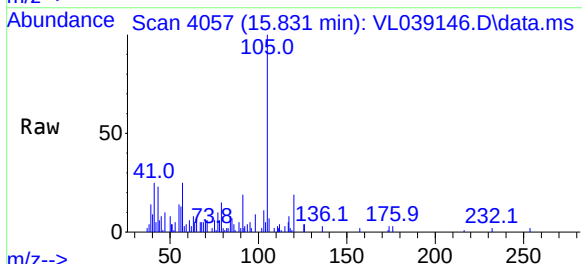
Manual Integrations
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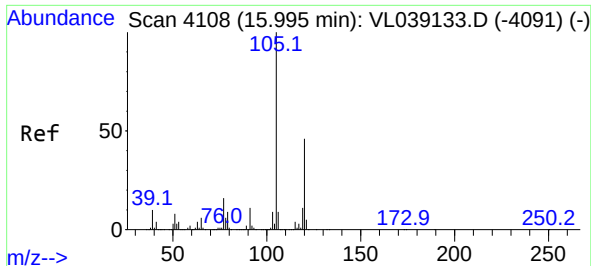
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#72
4-Ethyltoluene
Concen: 0.101 ppbv m
RT: 15.831 min Scan# 4057
Delta R.T. -0.010 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47

Tgt Ion:105 Resp: 32342
Ion Ratio Lower Upper
105 100
120 0.0 23.9 35.9#
91 21.6 10.6 16.0#
77 0.0 11.7 17.5#





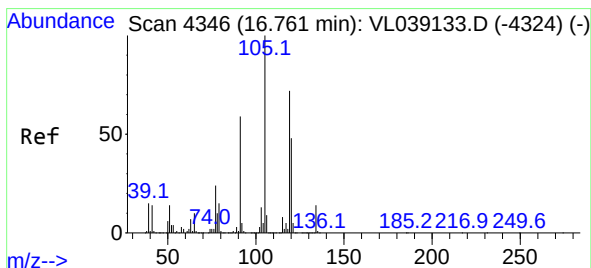
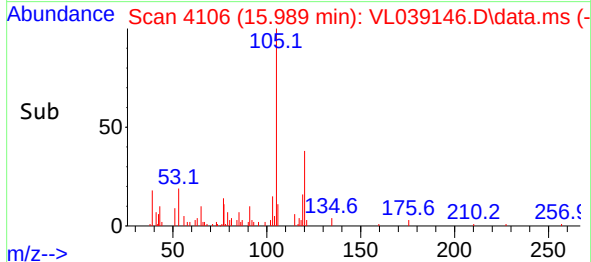
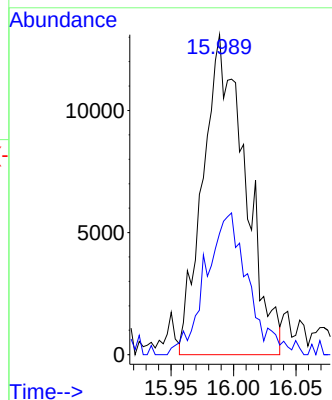
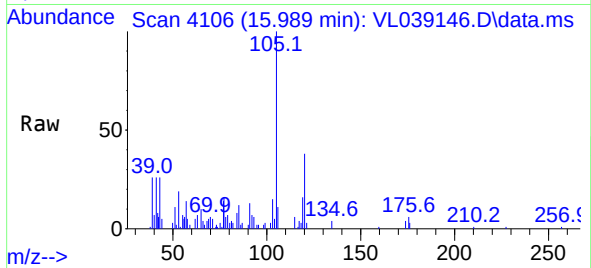
#73
1,3,5-Trimethylbenzene
Concen: 0.107 ppbv m
RT: 15.989 min Scan# 4108
Delta R.T. -0.007 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:105 Resp: 30734
Ion Ratio Lower Upper
105 100
120 37.9 36.7 55.1

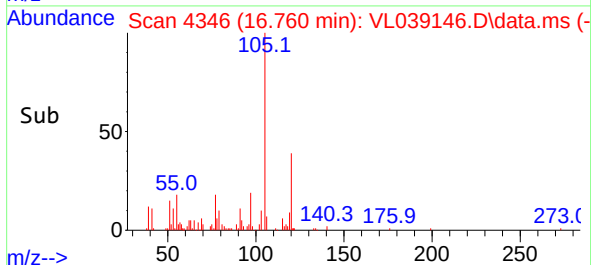
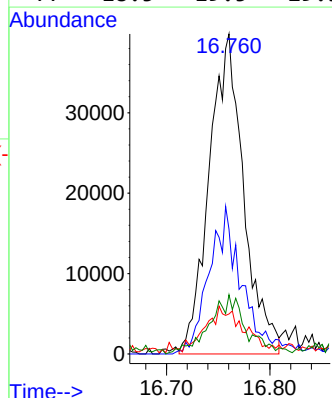
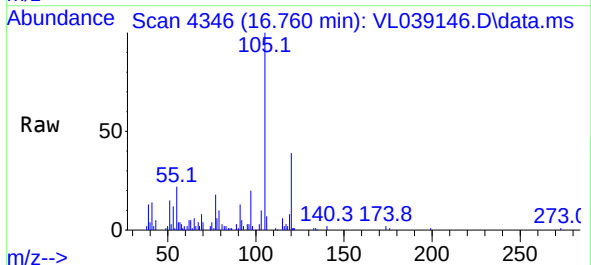
Manual Integrations
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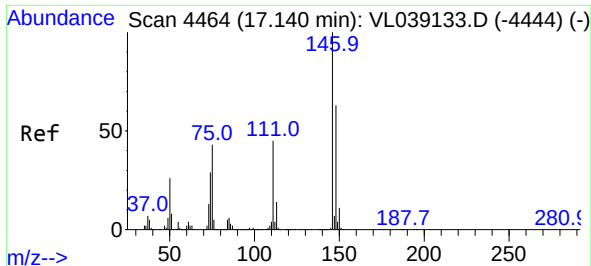
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.287 ppbv m
RT: 16.760 min Scan# 4346
Delta R.T. -0.000 min
Lab File: VL039146.D
Acq: 1 Jun 2022 13:47

Tgt Ion:105 Resp: 92183
Ion Ratio Lower Upper
105 100
120 39.0 38.1 57.1
91 12.5 47.4 71.0#
77 18.5 19.5 29.3#





#76

1,4-Dichlorobenzene

Concen: 2.929 ppbv

RT: 17.130 min Scan# 44

Delta R.T. -0.010 min

Lab File: VL039146.D

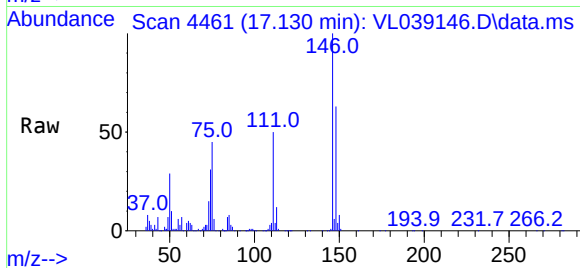
Acq: 1 Jun 2022 13:47

Instrument :

MSVOA_L

ClientSampleId :

IA1



Tgt Ion:146 Resp: 53197

Ion Ratio Lower Upper

146 100

111 49.6 23.6 71.0

148 66.6 33.7 101.0

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Reviewed By :Semsettin Yesilyurt 06/06/2022

Supervised By :Mahesh Dadoda 06/06/2022

