

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062422\
 Data File : VL039343.D
 Acq On : 24 Jun 2022 16:21
 Operator : SY/AP
 Sample : N3489-03 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-5-20220622

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/27/2022
 Supervised By :Mahesh Dadoda 06/30/2022

Quant Time: Jun 27 01:51:17 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	5.665	49	1251939	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.169	114	3536721	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.079	117	3185768	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.407 95 2339148 8.881 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 88.800%

Target Compounds

						Qvalue
4) Chloromethane	3.137	50	11914m	0.146	ppbv	
9) Propene	3.012	41	1520661	21.893	ppbv	92
10) Heptane	8.121	43	83235	0.514	ppbv	96
13) Ethanol	3.597	45	144410	38.124	ppbv #	100
15) Acetone	3.842	43	8459174	64.865	ppbv #	89
17) tert-Butyl alcohol	4.282	59	86991m	0.860	ppbv	
19) Isopropyl Alcohol	3.957	45	1269014	20.747	ppbv #	1
20) Methylene Chloride	4.346	84	175358	3.191	ppbv	91
26) Hexane	5.684	57	228000	1.765	ppbv #	35
27) Carbon Disulfide	4.549	76	82229	0.614	ppbv #	85
29) Chloroform	5.751	83	48640	0.224	ppbv	85
30) Cyclohexane	7.134	84	25683m	0.237	ppbv	
34) 2-Butanone	5.240	43	973047	5.064	ppbv	93
36) Benzene	6.886	78	115829	0.403	ppbv #	89
44) 2,2,4-Trimethylpentane	7.870	57	103195m	0.205	ppbv	
50) 4-Methyl-2-Pentanone	8.748	43	49119m	0.171	ppbv	
51) 2-Hexanone	10.137	43	129649m	0.579	ppbv	
52) Tetrachloroethene	11.217	164	13978m	0.125	ppbv	
53) Toluene	9.806	91	106586m	0.322	ppbv	
59) m/p-Xylene	12.967	91	66233m	0.171	ppbv	
60) o-Xylene	13.690	91	47254m	0.130	ppbv	
74) 1,2,4-Trimethylbenzene	16.751	105	68605m	0.160	ppbv	

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

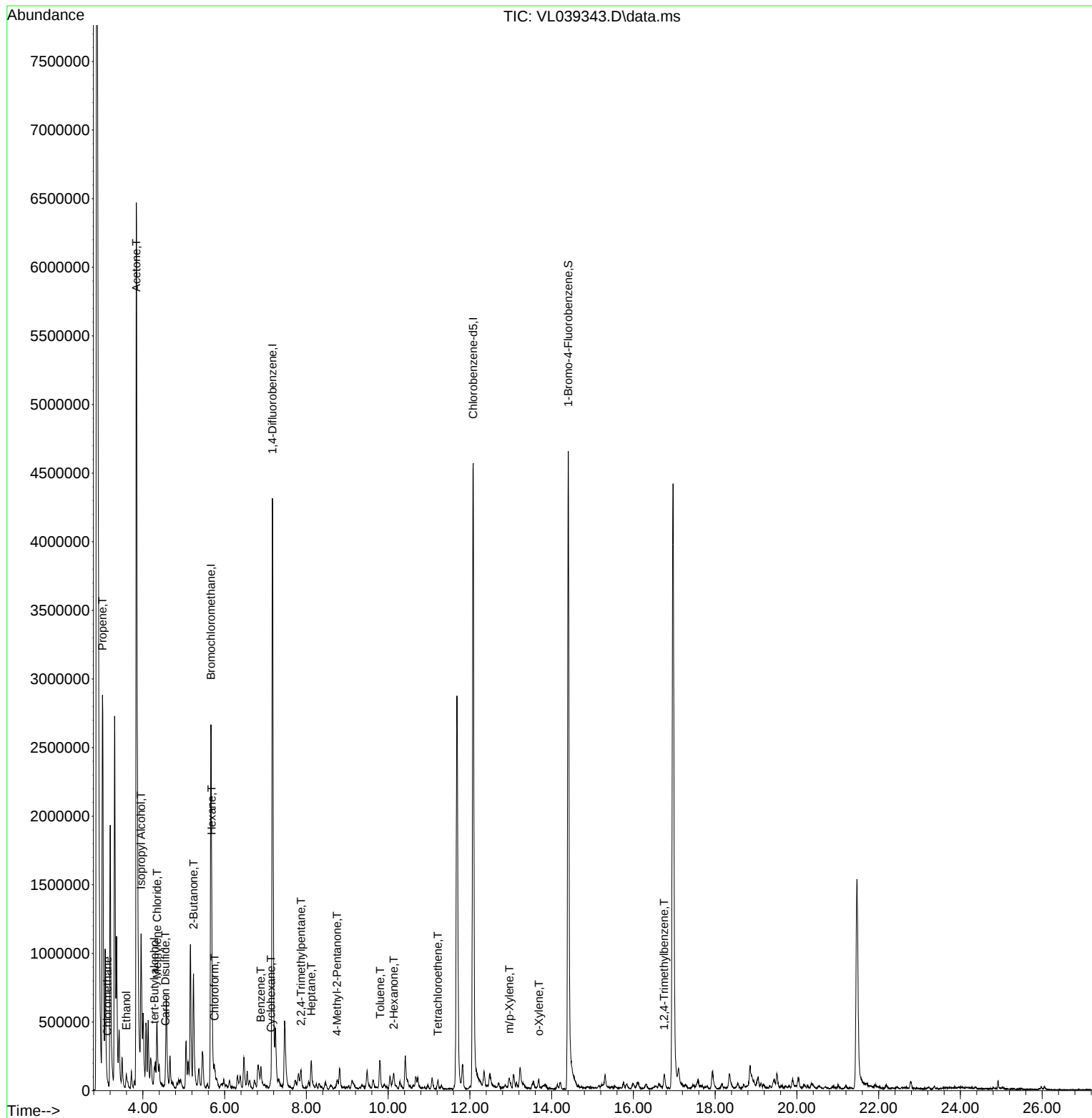
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062422\
Data File : VL039343.D
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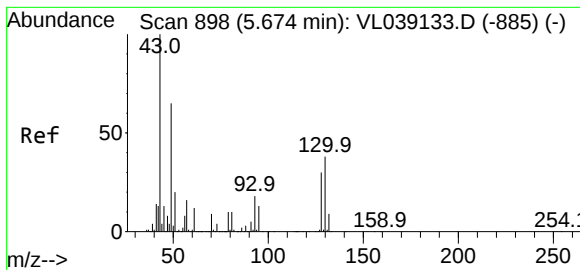
Instrument :
MSVOA_L
ClientSampleId :
SV-5-20220622

Quant Time: Jun 27 01:51:17 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

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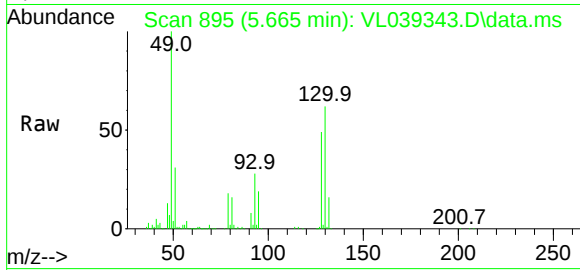
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.665 min Scan# 89
Delta R.T. -0.010 min
Lab File: VL039343.D
Acq: 24 Jun 2022 16:21

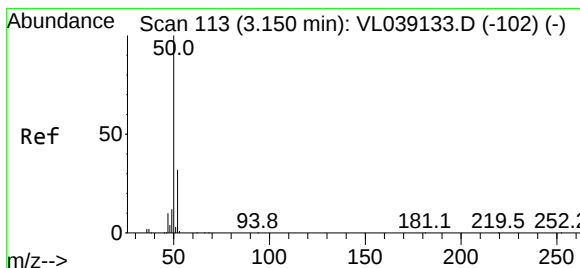
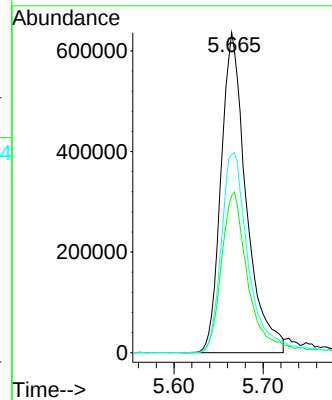
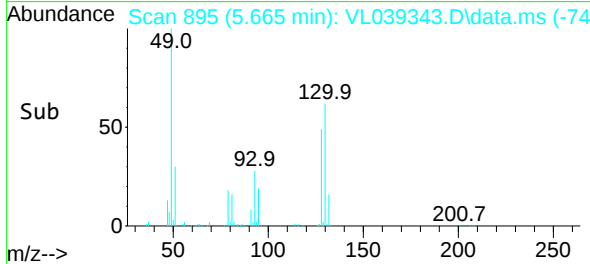
Instrument :
MSVOA_L
ClientSampleId :
SV-5-20220622



Tgt Ion: 49 Resp: 1251939
Ion Ratio Lower Upper
49 100
128 54.4 24.7 74.1
130 69.6 31.4 94.0

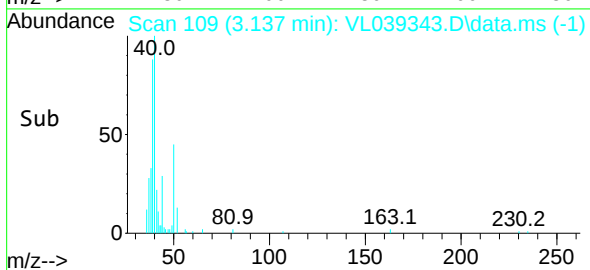
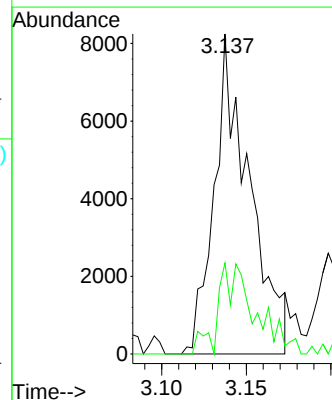
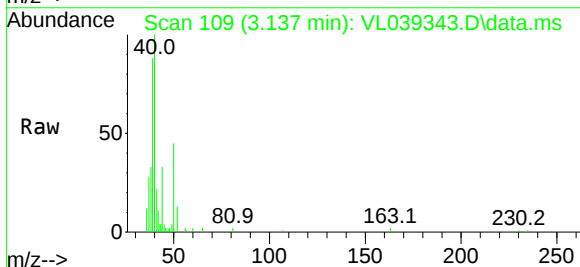
Manual Integrations
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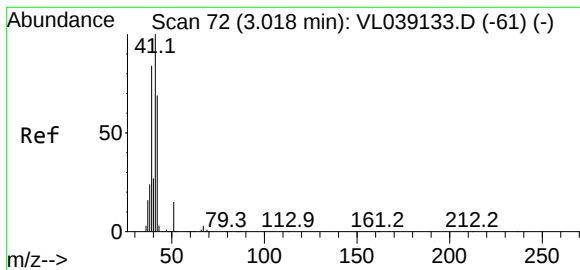
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#4
Chloromethane
Concen: 0.146 ppbv m
RT: 3.137 min Scan# 109
Delta R.T. -0.013 min
Lab File: VL039343.D
Acq: 24 Jun 2022 16:21

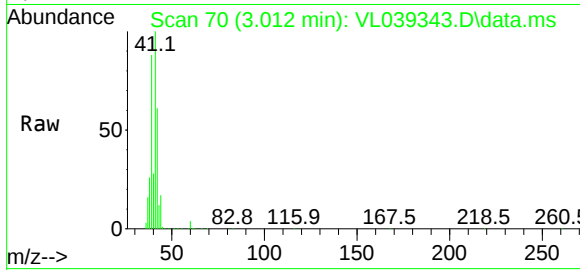
Tgt Ion: 50 Resp: 11914
Ion Ratio Lower Upper
50 100
52 28.5 25.9 38.9





#9
 Propene
 Concen: 21.893 ppbv
 RT: 3.012 min Scan# 70
 Delta R.T. -0.006 min
 Lab File: VL039343.D
 Acq: 24 Jun 2022 16:21

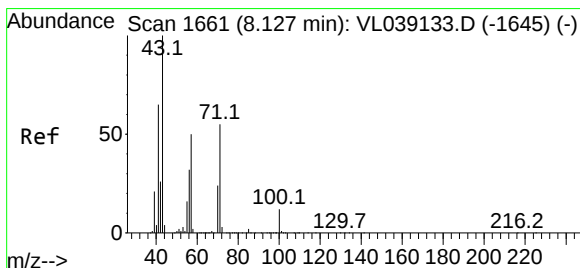
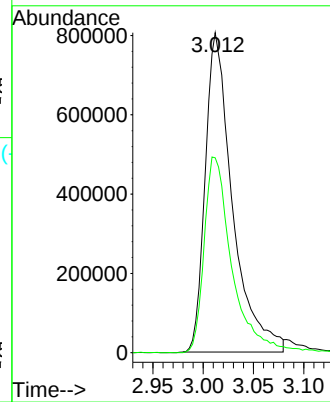
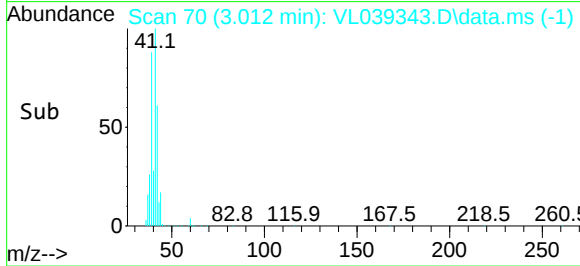
Instrument :
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 ClientSampleId :
 SV-5-20220622



Tgt Ion: 41 Resp: 152066
 Ion Ratio Lower Upper
 41 100
 42 62.9 55.4 83.2

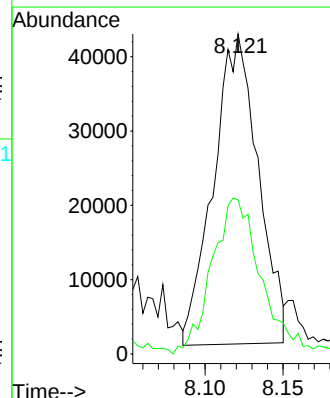
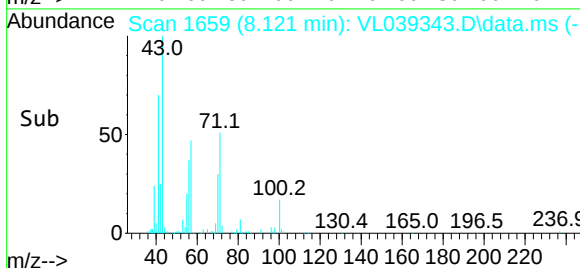
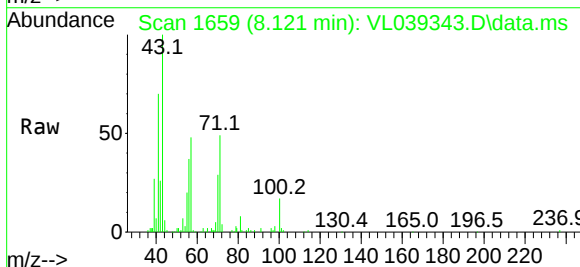
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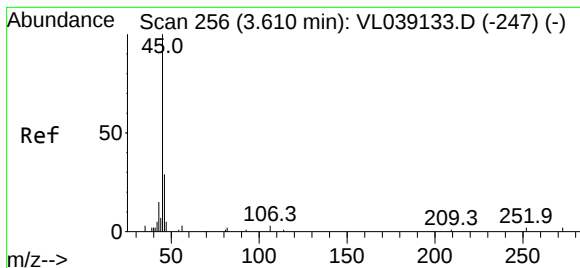
Reviewed By :Semsettin Yesilyurt 06/27/2022
 Supervised By :Mahesh Dadoda 06/30/2022



#10
 Heptane
 Concen: 0.514 ppbv
 RT: 8.121 min Scan# 1659
 Delta R.T. -0.006 min
 Lab File: VL039343.D
 Acq: 24 Jun 2022 16:21

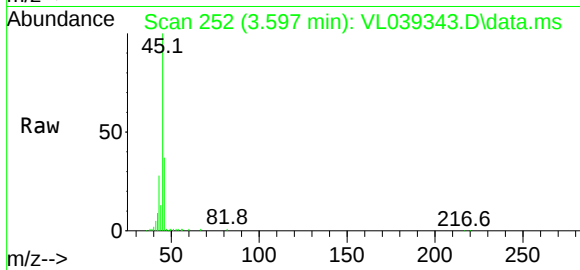
Tgt Ion: 43 Resp: 83235
 Ion Ratio Lower Upper
 43 100
 57 54.4 41.4 62.2





#13
Ethanol
Concen: 38.124 ppbv
RT: 3.597 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL039343.D
Acq: 24 Jun 2022 16:21

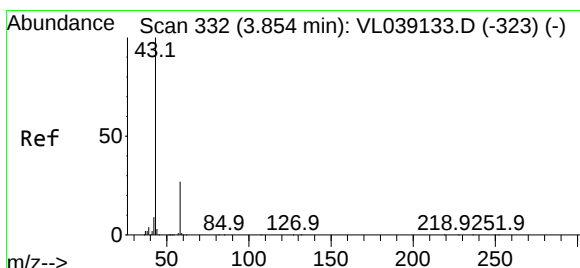
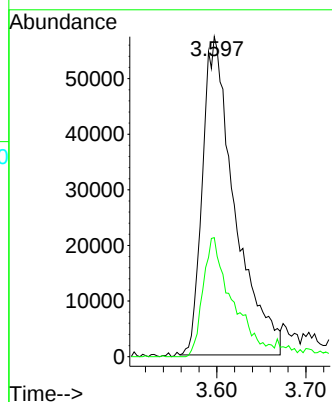
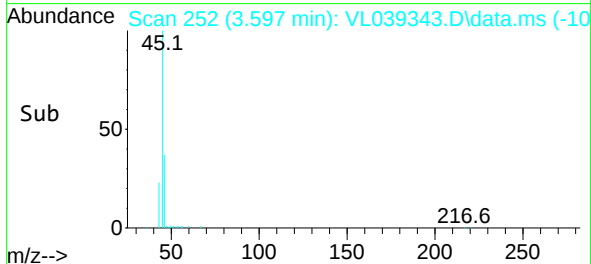
Instrument :
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ClientSampleId :
SV-5-20220622



Tgt Ion: 45 Resp: 144410
Ion Ratio Lower Upper
45 100
46 38.3 0.0 0.0

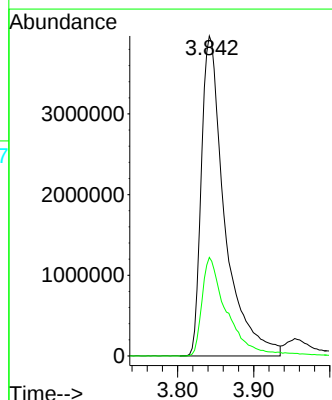
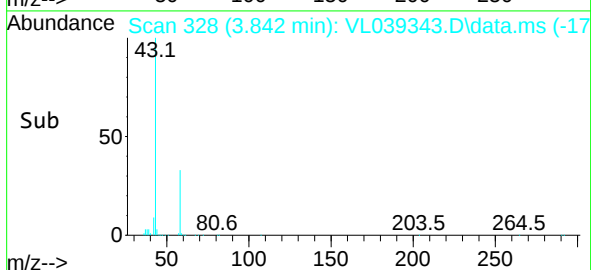
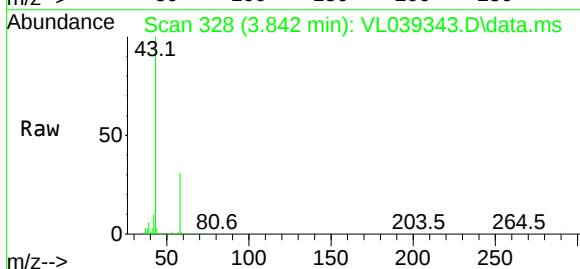
Manual Integrations
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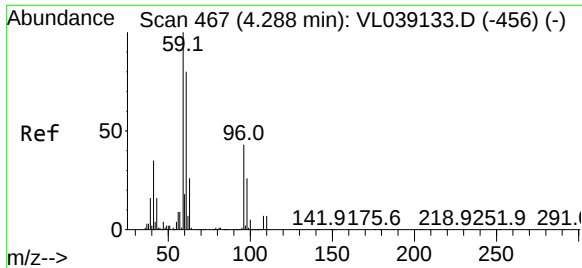
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#15
Acetone
Concen: 64.865 ppbv
RT: 3.842 min Scan# 328
Delta R.T. -0.013 min
Lab File: VL039343.D
Acq: 24 Jun 2022 16:21

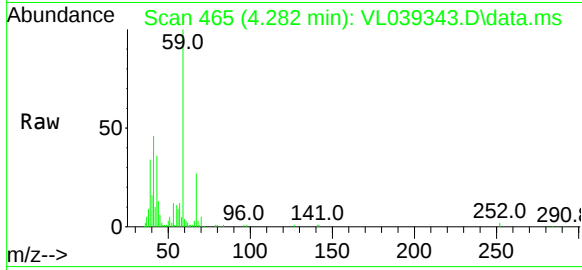
Tgt Ion: 43 Resp: 8459174
Ion Ratio Lower Upper
43 100
58 33.8 22.5 33.7





#17
tert-Butyl alcohol
Concen: 0.860 ppbv m
RT: 4.282 min Scan# 4
Delta R.T. -0.006 min
Lab File: VL039343.D
Acq: 24 Jun 2022 16:21

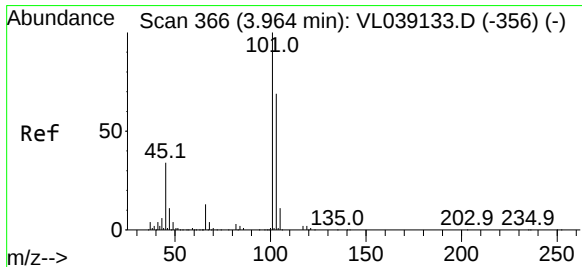
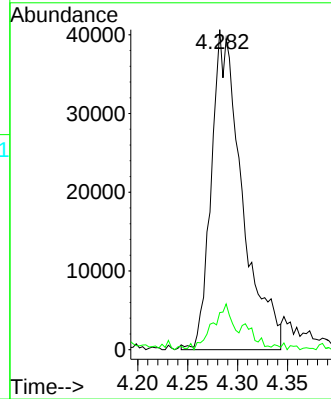
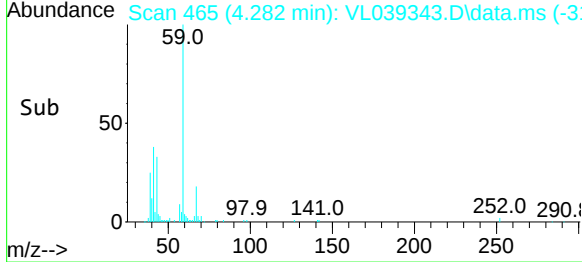
Instrument :
MSVOA_L
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SV-5-20220622



Tgt Ion: 59 Resp: 8699
Ion Ratio Lower Upper
59 100
57 0.0 9.1 13.7

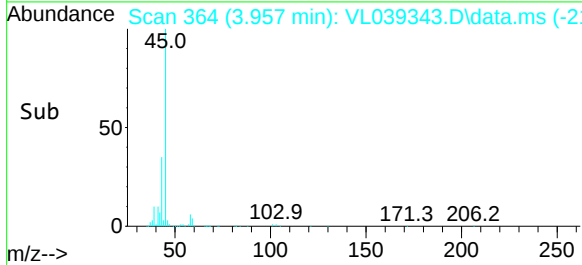
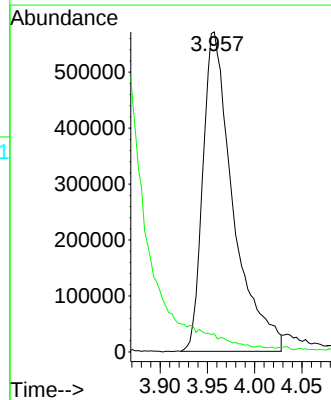
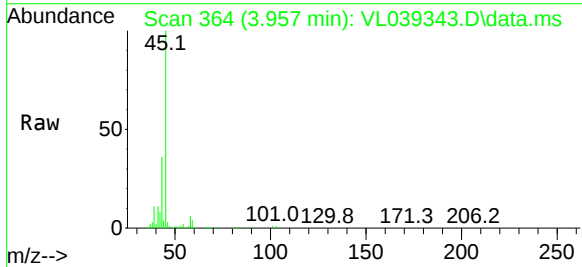
Manual Integrations
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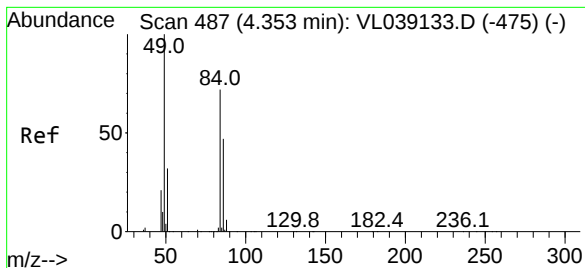
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#19
Isopropyl Alcohol
Concen: 20.747 ppbv
RT: 3.957 min Scan# 364
Delta R.T. -0.006 min
Lab File: VL039343.D
Acq: 24 Jun 2022 16:21

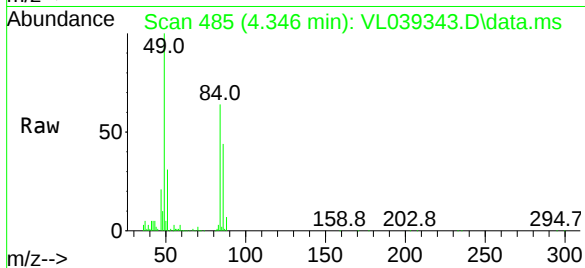
Tgt Ion: 45 Resp: 1269014
Ion Ratio Lower Upper
45 100
58 224.7 1.8 2.8





#20
Methylene Chloride
Concen: 3.191 ppbv
RT: 4.346 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL039343.D
Acq: 24 Jun 2022 16:21

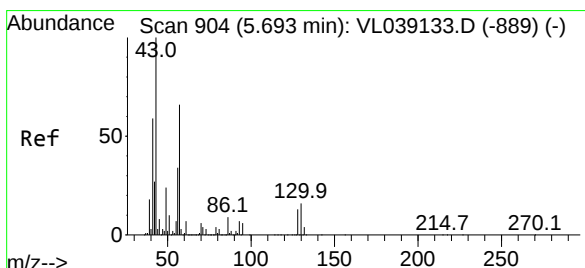
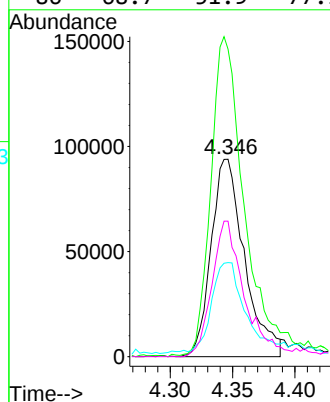
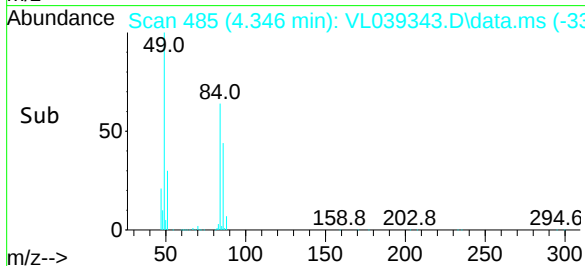
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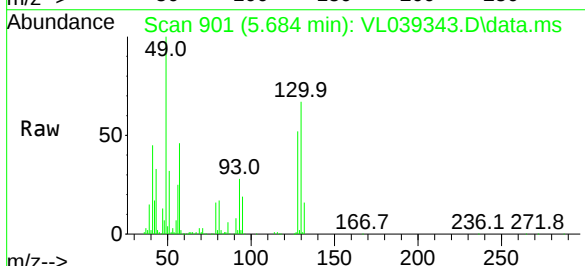
Tgt Ion: 84 Resp: 175358
Ion Ratio Lower Upper
84 100
49 155.2 111.1 166.7
51 45.1 35.3 52.9
86 68.7 51.9 77.9

Manual Integrations
APPROVED

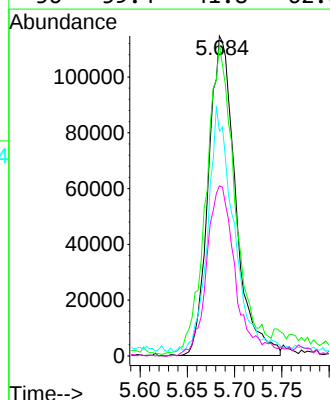
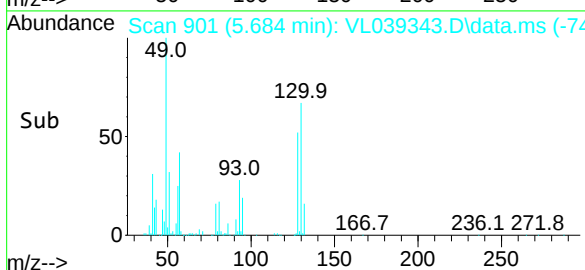
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

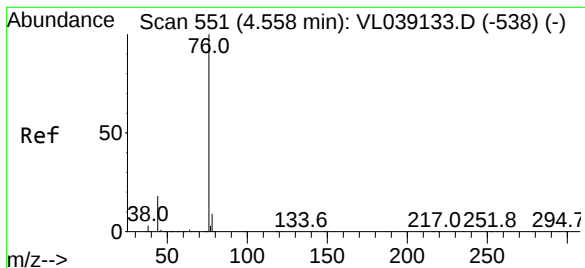


#26
Hexane
Concen: 1.765 ppbv
RT: 5.684 min Scan# 901
Delta R.T. -0.010 min
Lab File: VL039343.D
Acq: 24 Jun 2022 16:21



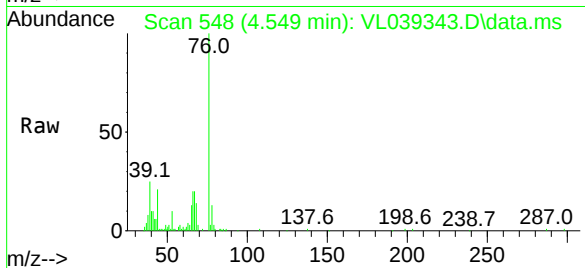
Tgt Ion: 57 Resp: 228000
Ion Ratio Lower Upper
57 100
41 111.9 72.4 108.6#
43 77.4 187.0 280.6#
56 59.4 41.8 62.6





#27
Carbon Disulfide
Concen: 0.614 ppbv
RT: 4.549 min Scan# 548
Delta R.T. -0.010 min
Lab File: VL039343.D
Acq: 24 Jun 2022 16:21

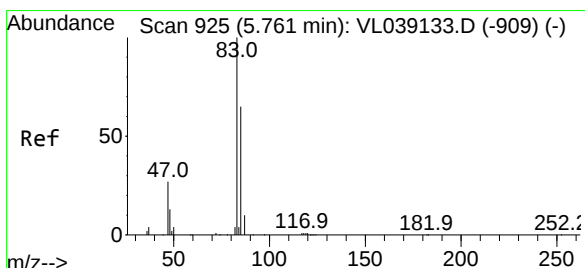
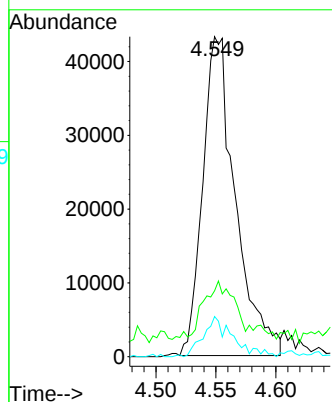
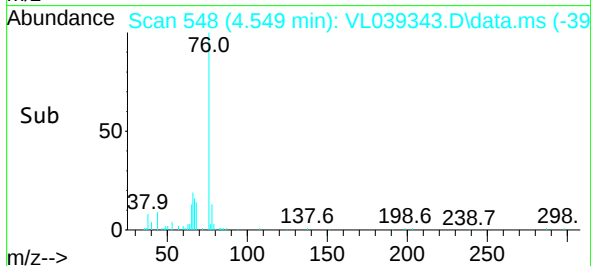
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Tgt Ion: 76 Resp: 82225
Ion Ratio Lower Upper
76 100
44 25.7 14.4 21.6
78 13.1 7.7 11.5

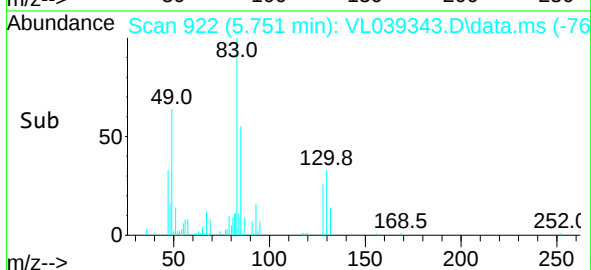
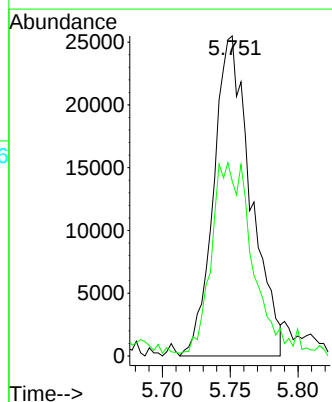
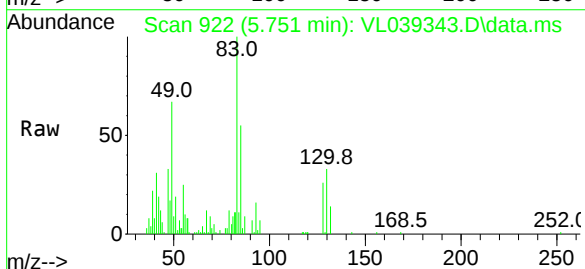
Manual Integrations
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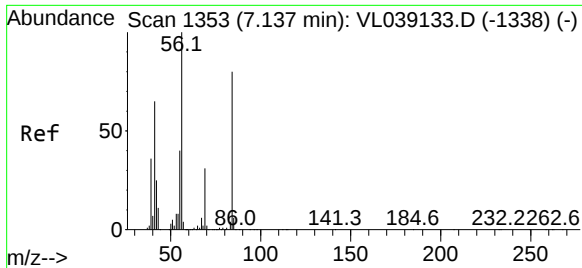
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#29
Chloroform
Concen: 0.224 ppbv
RT: 5.751 min Scan# 922
Delta R.T. -0.010 min
Lab File: VL039343.D
Acq: 24 Jun 2022 16:21

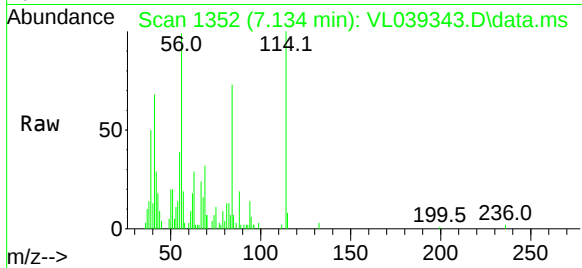
Tgt Ion: 83 Resp: 48640
Ion Ratio Lower Upper
83 100
85 53.7 52.4 78.6





#30
Cyclohexane
Concen: 0.237 ppbv m
RT: 7.134 min Scan# 1352
Delta R.T. -0.003 min
Lab File: VL039343.D
Acq: 24 Jun 2022 16:21

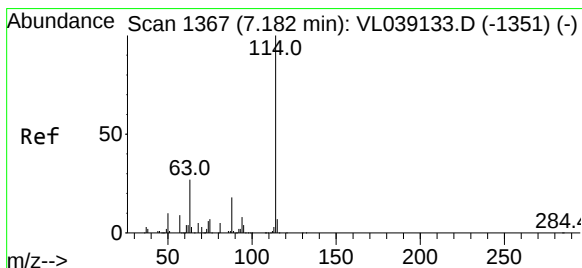
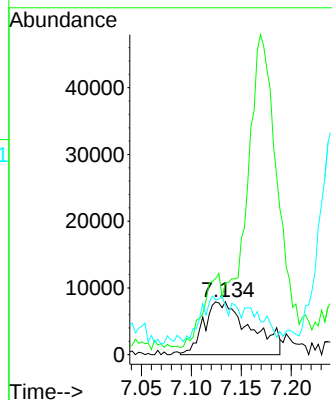
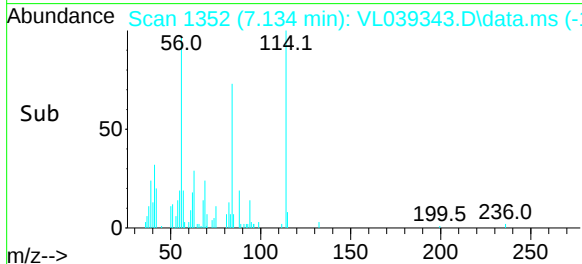
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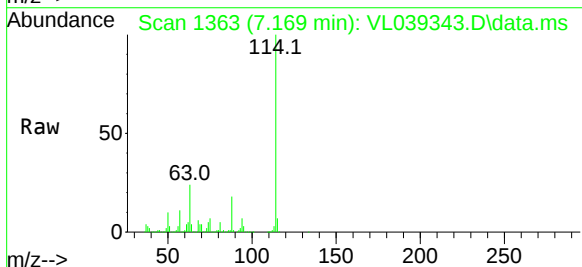
Tgt Ion: 84 Resp: 2568
Ion Ratio Lower Upper
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41 75.1 68.9 103.3

Manual Integrations
APPROVED

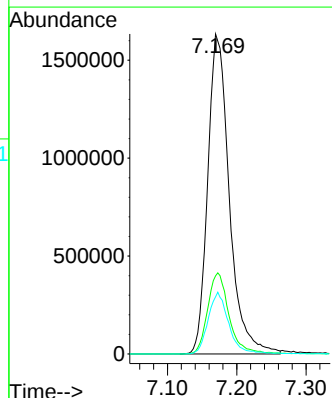
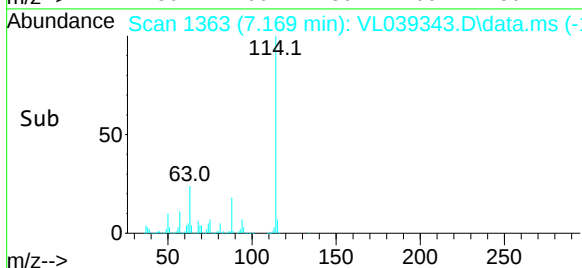
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

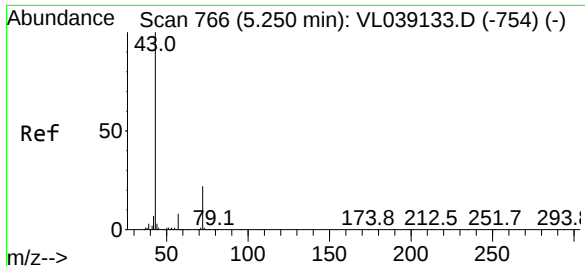


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.169 min Scan# 1363
Delta R.T. -0.013 min
Lab File: VL039343.D
Acq: 24 Jun 2022 16:21



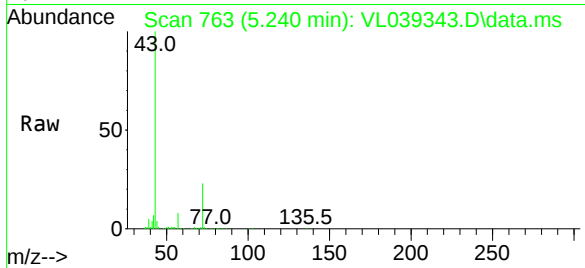
Tgt Ion:114 Resp: 3536721
Ion Ratio Lower Upper
114 100
63 25.2 21.7 32.5
88 18.6 14.8 22.2





#34
2-Butanone
Concen: 5.064 ppbv
RT: 5.240 min Scan# 763
Delta R.T. -0.010 min
Lab File: VL039343.D
Acq: 24 Jun 2022 16:21

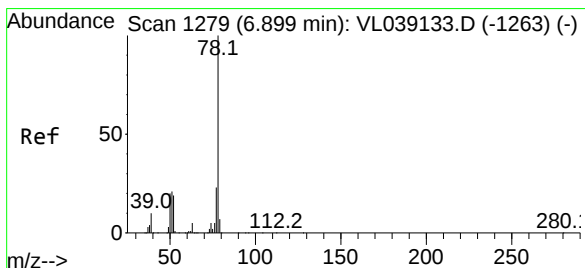
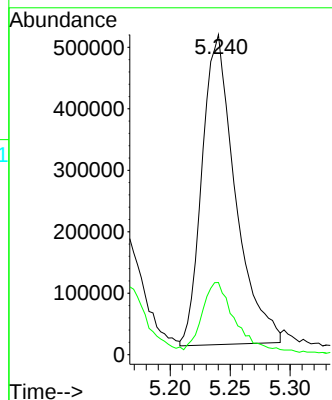
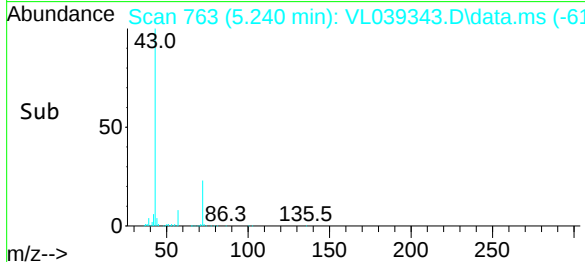
Instrument :
MSVOA_L
ClientSampleId :
SV-5-20220622



Tgt Ion: 43 Resp: 97304
Ion Ratio Lower Upper
43 100
72 26.0 18.2 27.2

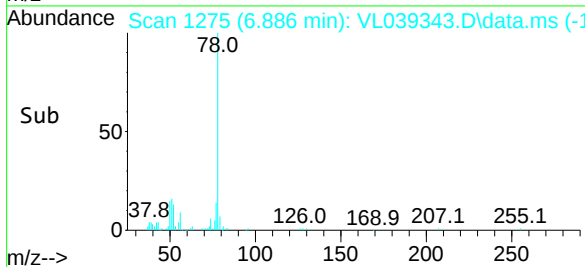
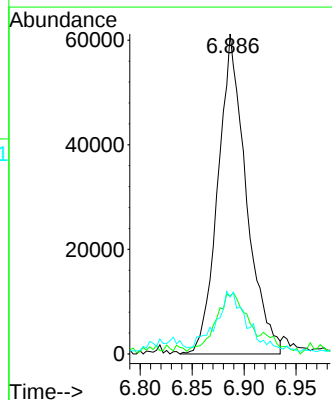
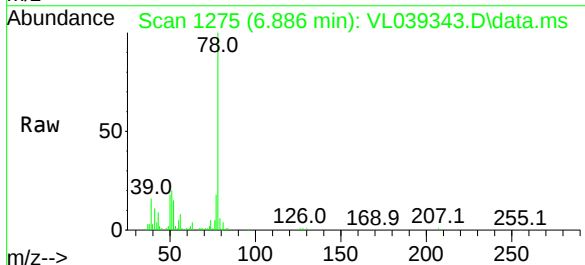
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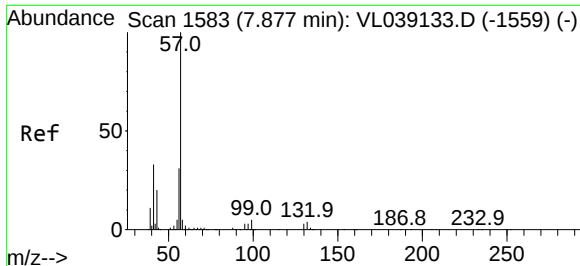
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#36
Benzene
Concen: 0.403 ppbv
RT: 6.886 min Scan# 1275
Delta R.T. -0.013 min
Lab File: VL039343.D
Acq: 24 Jun 2022 16:21

Tgt Ion: 78 Resp: 115829
Ion Ratio Lower Upper
78 100
77 16.4 18.6 27.8#
50 16.4 15.8 23.8





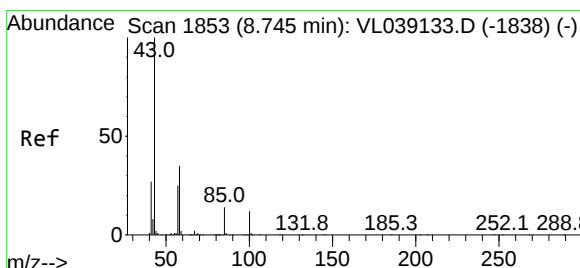
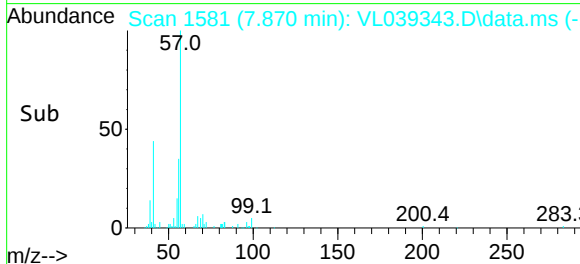
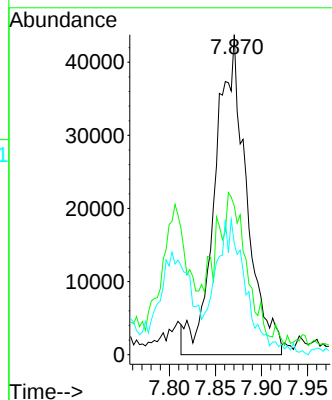
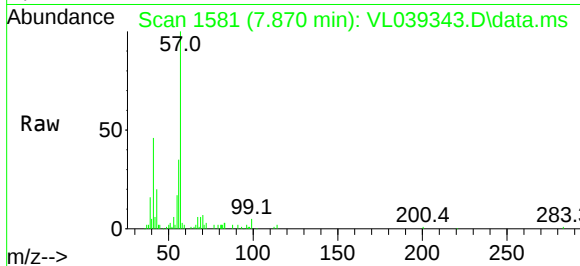
#44
2,2,4-Trimethylpentane
Concen: 0.205 ppbv m
RT: 7.870 min Scan# 1583
Delta R.T. -0.006 min
Lab File: VL039343.D
Acq: 24 Jun 2022 16:21

Instrument :
MSVOA_L
ClientSampleId :
SV-5-20220622

Tgt Ion: 57 Resp: 10319
Ion Ratio Lower Upper
57 100
41 0.0 26.2 39.4
56 0.0 24.7 37.1

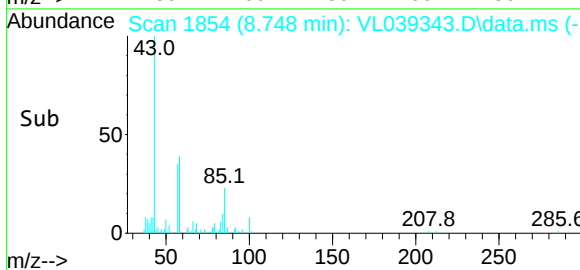
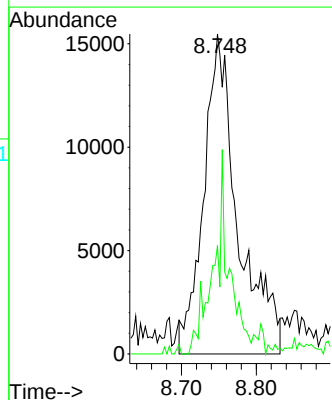
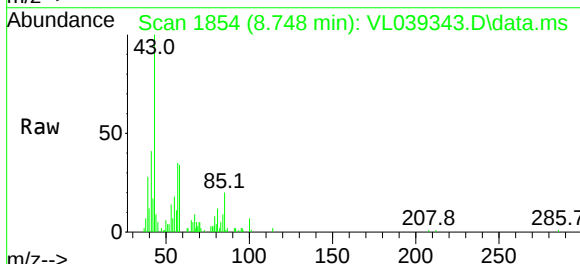
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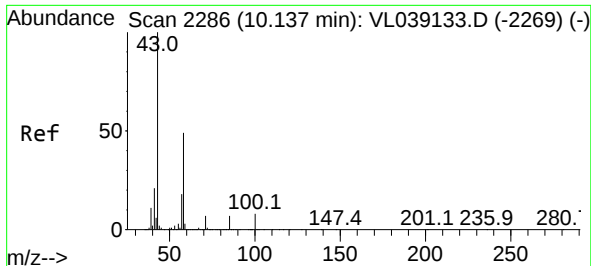
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#50
4-Methyl-2-Pentanone
Concen: 0.171 ppbv m
RT: 8.748 min Scan# 1854
Delta R.T. 0.003 min
Lab File: VL039343.D
Acq: 24 Jun 2022 16:21

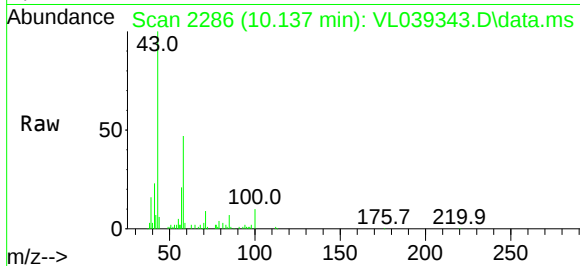
Tgt Ion: 43 Resp: 49119
Ion Ratio Lower Upper
43 100
58 0.0 28.7 43.1





#51
2-Hexanone
Concen: 0.579 ppbv m
RT: 10.137 min Scan# 2286
Delta R.T. 0.000 min
Lab File: VL039343.D
Acq: 24 Jun 2022 16:21

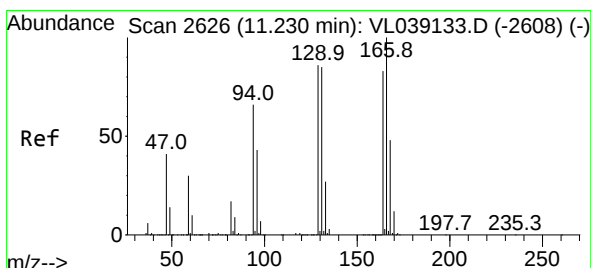
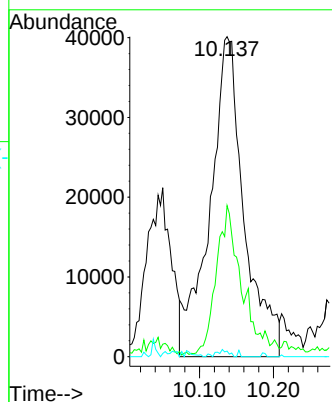
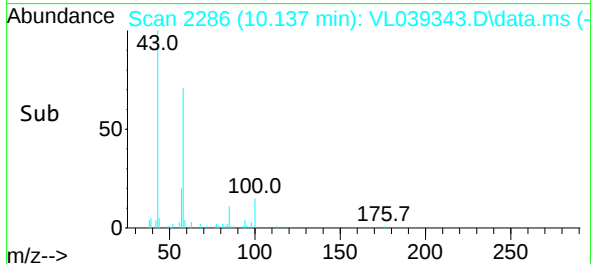
Instrument :
MSVOA_L
ClientSampleId :
SV-5-20220622



Tgt Ion: 43 Resp: 129649
Ion Ratio Lower Upper
43 100
58 36.1 40.0 60.0
98 0.9 0.1 0.1

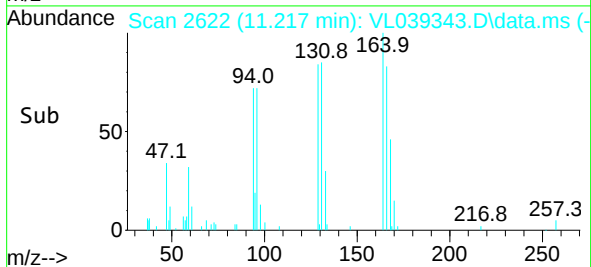
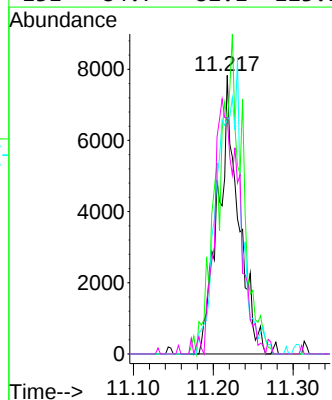
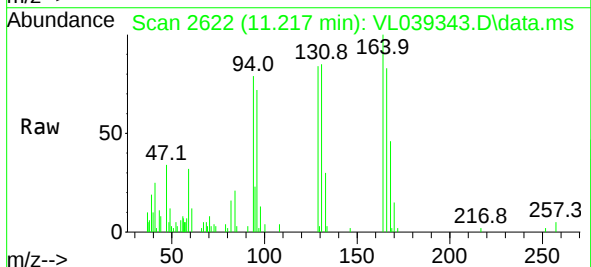
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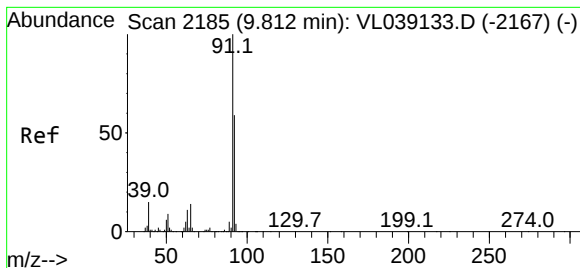
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#52
Tetrachloroethene
Concen: 0.125 ppbv m
RT: 11.217 min Scan# 2622
Delta R.T. -0.013 min
Lab File: VL039343.D
Acq: 24 Jun 2022 16:21

Tgt Ion:164 Resp: 13978
Ion Ratio Lower Upper
164 100
166 83.3 96.3 144.5
129 83.9 82.5 123.7
131 84.7 82.1 123.1





#53

Toluene

Concen: 0.322 ppbv m

RT: 9.806 min Scan# 2185

Delta R.T. -0.006 min

Lab File: VL039343.D

Acq: 24 Jun 2022 16:21

Instrument :

MSVOA_L

ClientSampleId :

SV-5-20220622

Tgt Ion: 91 Resp: 106580

Ion Ratio Lower Upper

91 100

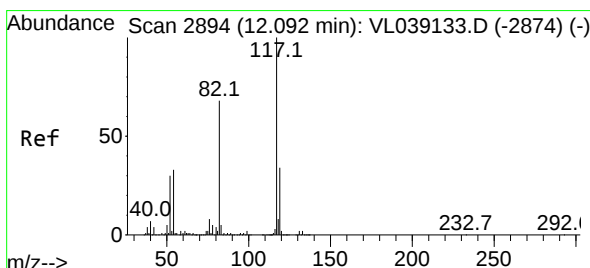
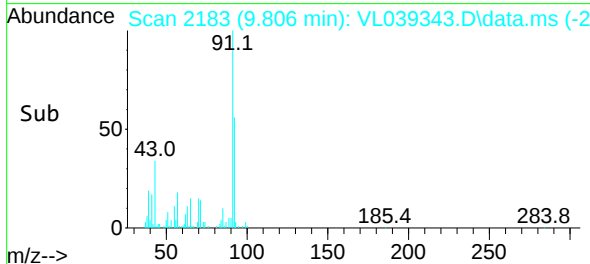
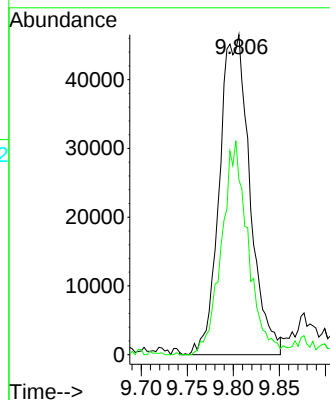
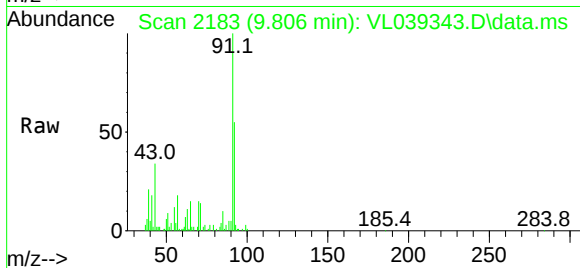
92 0.0 48.1 72.1

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Reviewed By :Semsettin Yesilyurt 06/27/2022

Supervised By :Mahesh Dadoda 06/30/2022



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.079 min Scan# 2890

Delta R.T. -0.013 min

Lab File: VL039343.D

Acq: 24 Jun 2022 16:21

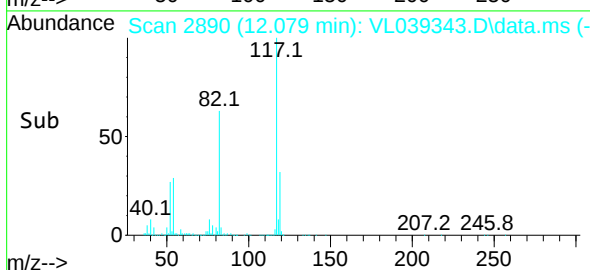
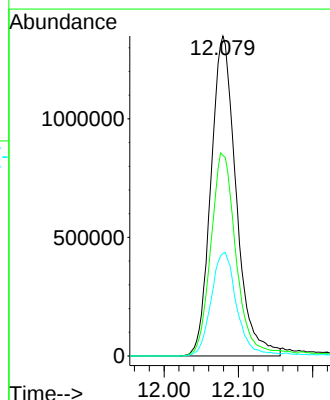
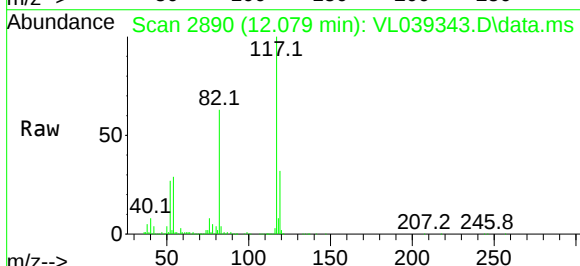
Tgt Ion:117 Resp: 3185768

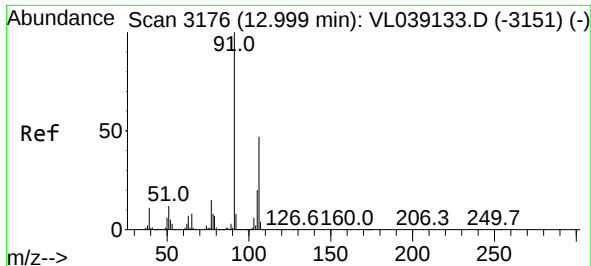
Ion Ratio Lower Upper

117 100

82 66.1 55.1 82.7

119 33.8 24.7 37.1





#59

m/p-Xylene

Concen: 0.171 ppbv m

RT: 12.967 min Scan# 3176

Delta R.T. -0.032 min

Lab File: VL039343.D

Acq: 24 Jun 2022 16:21

Instrument :

MSVOA_L

ClientSampleId :

SV-5-20220622

Tgt Ion: 91 Resp: 6623

Ion Ratio Lower Upper

91 100

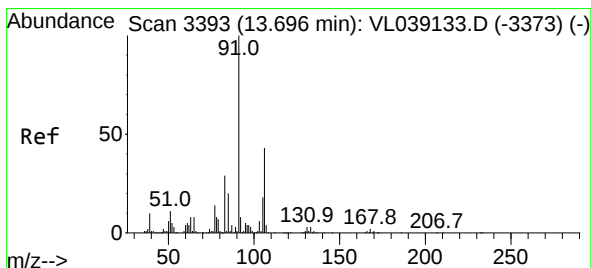
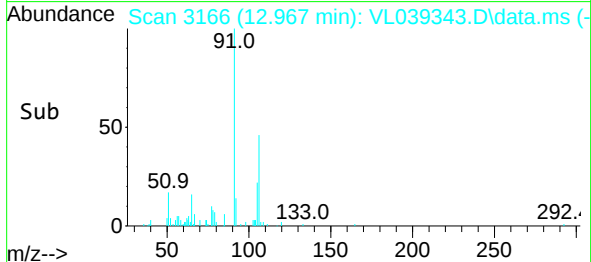
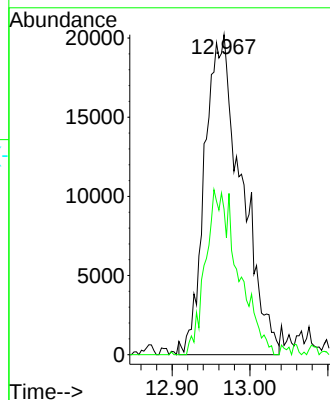
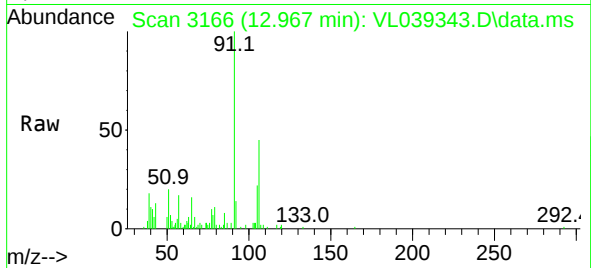
106 0.0 34.3 51.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/27/2022

Supervised By :Mahesh Dadoda 06/30/2022



#60

o-Xylene

Concen: 0.130 ppbv m

RT: 13.690 min Scan# 3391

Delta R.T. -0.006 min

Lab File: VL039343.D

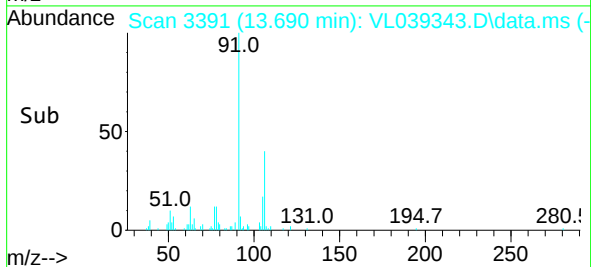
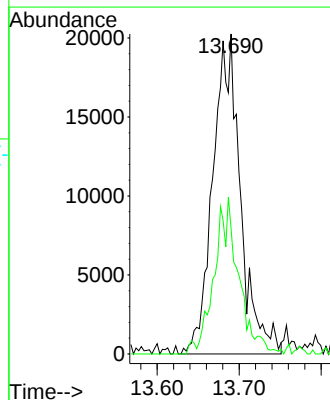
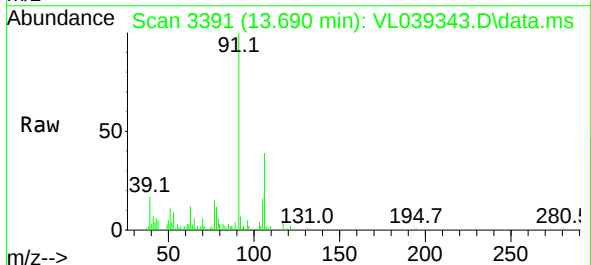
Acq: 24 Jun 2022 16:21

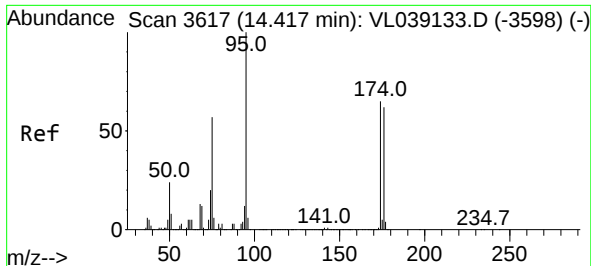
Tgt Ion: 91 Resp: 47254

Ion Ratio Lower Upper

91 100

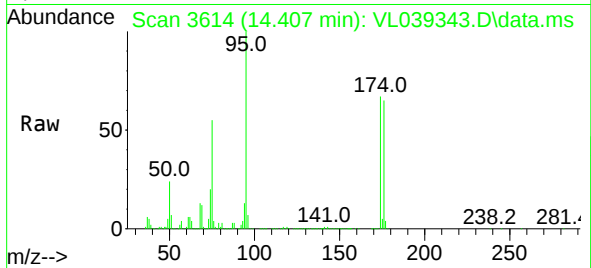
106 0.0 22.3 66.9





#68
1-Bromo-4-Fluorobenzene
Concen: 8.881 ppbv
RT: 14.407 min Scan# 30
Delta R.T. -0.010 min
Lab File: VL039343.D
Acq: 24 Jun 2022 16:21

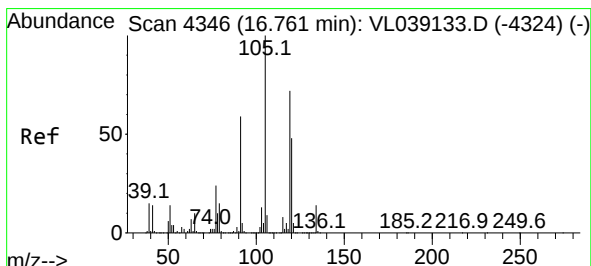
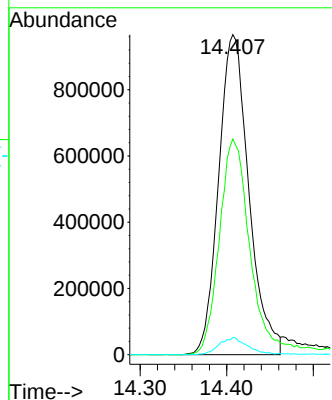
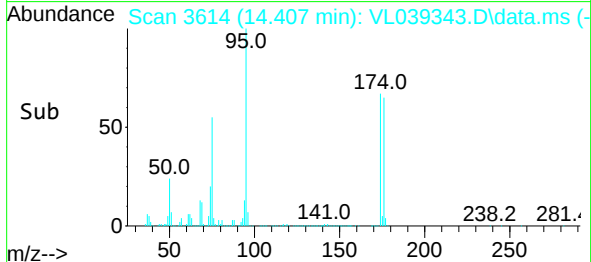
Instrument :
MSVOA_L
ClientSampleId :
SV-5-20220622



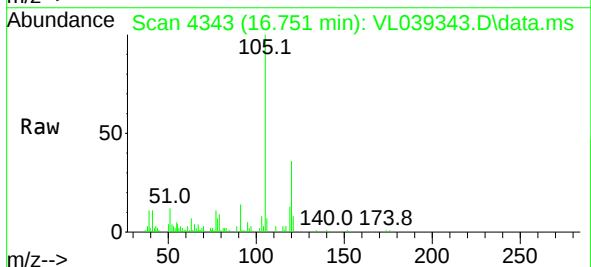
Tgt Ion: 95 Resp: 233914
Ion Ratio Lower Upper
95 100
174 72.4 53.8 80.8
175 5.2 4.1 6.1

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Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.160 ppbv m
RT: 16.751 min Scan# 4343
Delta R.T. -0.010 min
Lab File: VL039343.D
Acq: 24 Jun 2022 16:21



Tgt Ion:105 Resp: 68605
Ion Ratio Lower Upper
105 100
120 36.1 38.1 57.1#
91 13.5 47.4 71.0#
77 10.6 19.5 29.3#

