

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060122\
 Data File : VL039148.D
 Acq On : 1 Jun 2022 15:08
 Operator : SY/AP
 Sample : N3106-06
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Manual Integrations
 APPROVED

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

Quant Time: Jun 02 00:39:24 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	1180837	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.179	114	2840024	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.086	117	2368208	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.410 95 2002893 10.230 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.057	85	58680m	0.283	ppbv	
4) Chloromethane	3.153	50	43320	0.561	ppbv	92
9) Propene	3.031	41	989816m	15.109	ppbv	
10) Heptane	8.121	43	18774m	0.123	ppbv	
11) Trichlorofluoromethane	3.960	101	44072	0.235	ppbv	86
13) Ethanol	3.607	45	2962024	829.044	ppbv #	100
15) Acetone	3.851	43	2333978	18.975	ppbv	98
19) Isopropyl Alcohol	3.970	45	5845028	101.313	ppbv #	97
20) Methylene Chloride	4.349	84	710255	13.702	ppbv	94
26) Hexane	5.690	57	582850	4.784	ppbv #	44
29) Chloroform	5.758	83	38204m	0.186	ppbv	
30) Cyclohexane	7.128	84	17948m	0.175	ppbv	
34) 2-Butanone	5.247	43	183846	1.192	ppbv	99
35) Carbon Tetrachloride	7.025	117	14490m	0.070	ppbv	
36) Benzene	6.896	78	48037m	0.208	ppbv	
37) 1,2-Dichloroethane	6.308	62	53431	0.352	ppbv	99
41) Tetrahydrofuran	6.057	42	71456m	0.770	ppbv	
44) 2,2,4-Trimethylpentane	7.870	57	43082m	0.107	ppbv	
52) Tetrachloroethene	11.227	164	4540m	0.050	ppbv	
53) Toluene	9.809	91	176385m	0.664	ppbv	
58) Ethyl Benzene	12.713	91	40926m	0.125	ppbv	
59) m/p-Xylene	12.967	91	111386m	0.388	ppbv	
60) o-Xylene	13.693	91	43750m	0.162	ppbv	
73) 1,3,5-Trimethylbenzene	15.992	105	30809m	0.108	ppbv	
74) 1,2,4-Trimethylbenzene	16.757	105	99742m	0.313	ppbv	
76) 1,4-Dichlorobenzene	17.134	146	963852	5.360	ppbv	98

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

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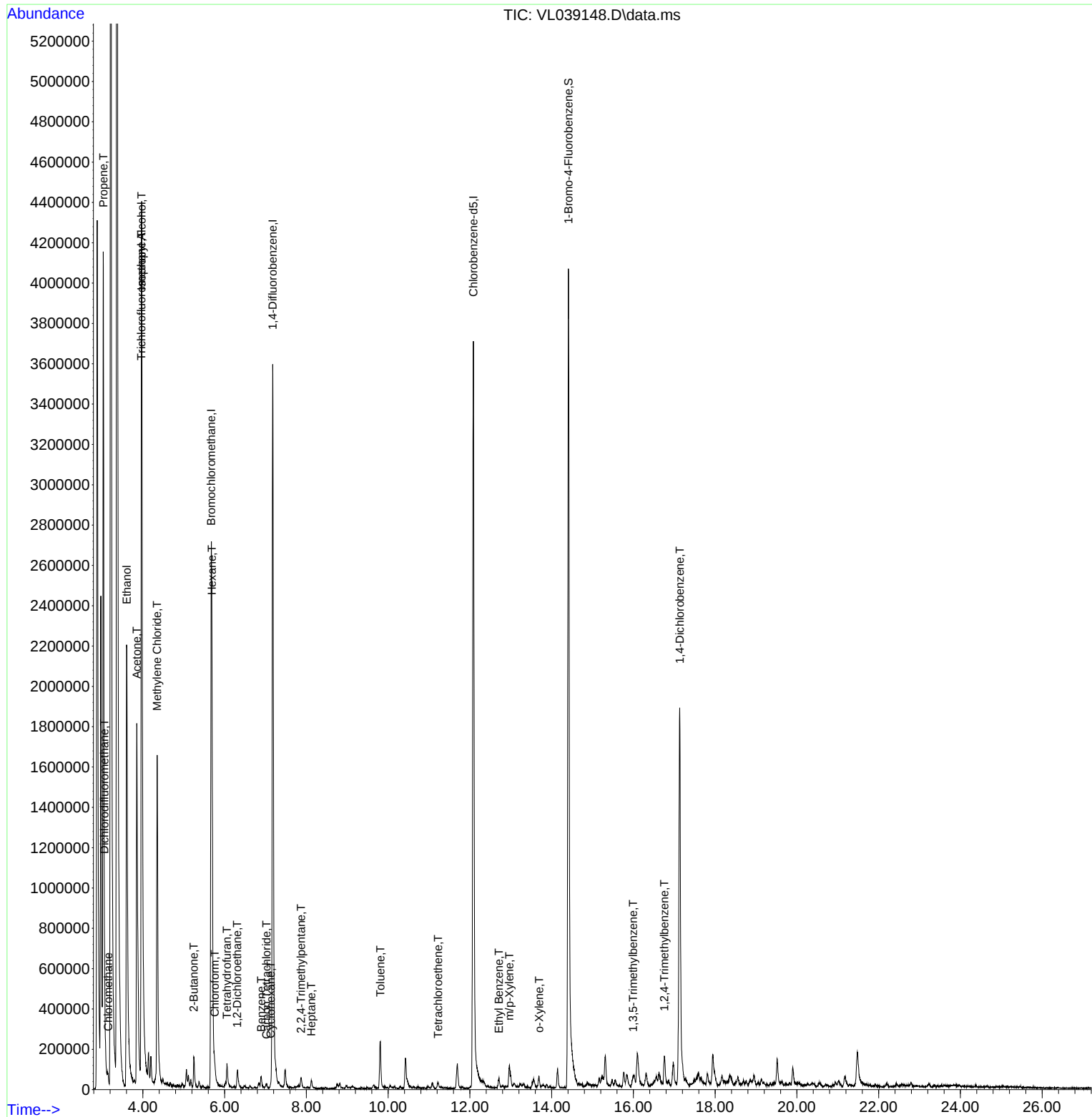
Quant Time: Jun 02 00:39:24 2022

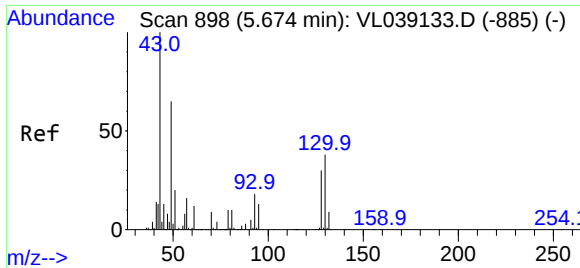
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

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

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

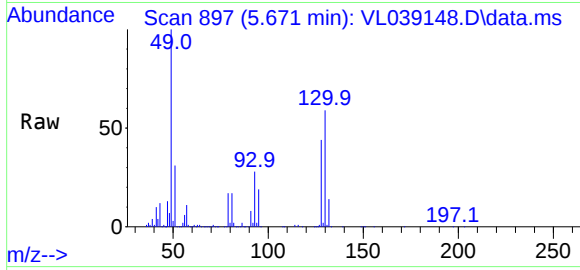
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 89
Delta R.T. -0.003 min
Lab File: VL039148.D
Acq: 1 Jun 2022 15:08

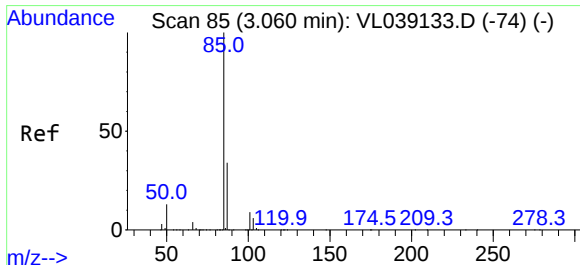
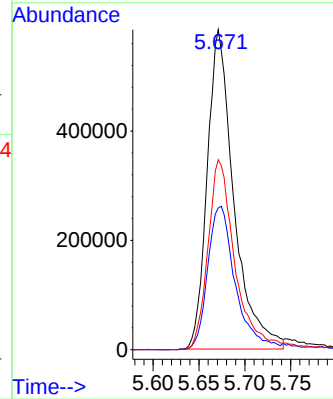
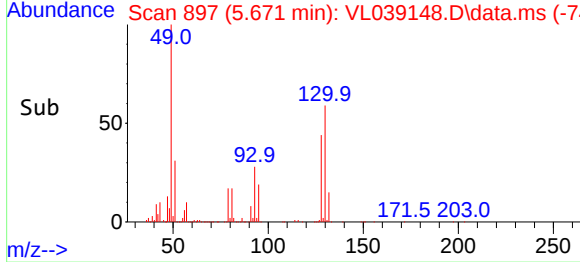
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 49 Resp: 118083
Ion Ratio Lower Upper
49 100
128 48.8 24.7 74.1
130 62.2 31.4 94.0

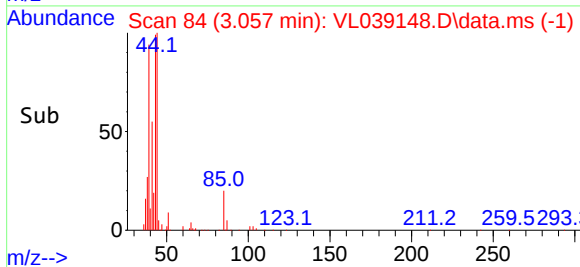
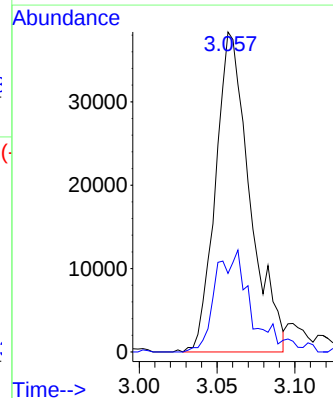
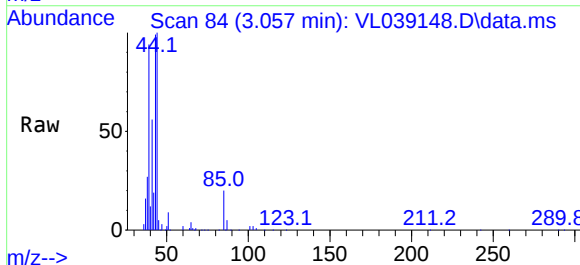
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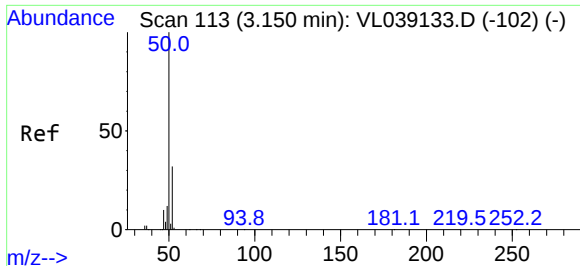
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#2
Dichlorodifluoromethane
Concen: 0.283 ppbv m
RT: 3.057 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL039148.D
Acq: 1 Jun 2022 15:08

Tgt Ion: 85 Resp: 58680
Ion Ratio Lower Upper
85 100
87 24.6 26.9 40.3#





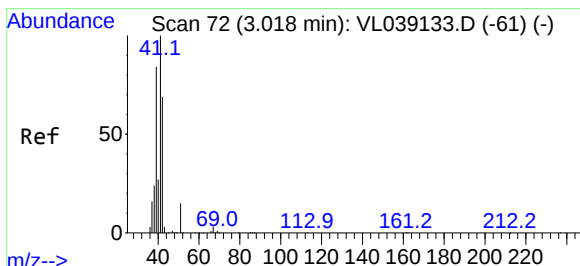
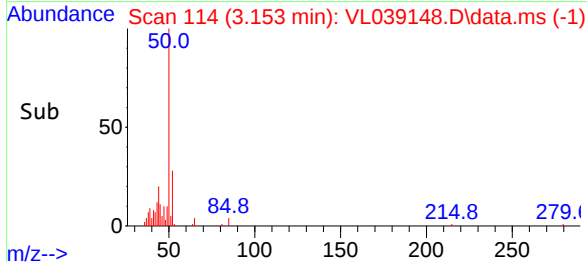
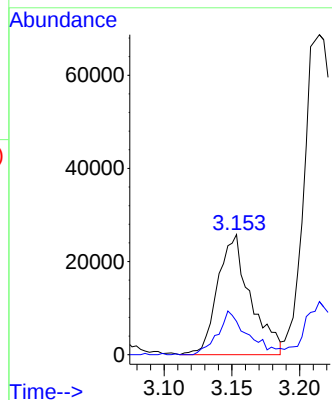
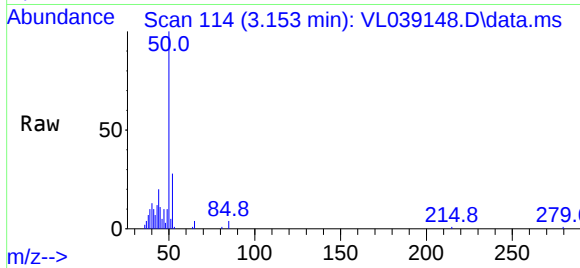
#4
Chloromethane
Concen: 0.561 ppbv
RT: 3.153 min Scan# 113
Delta R.T. 0.003 min
Lab File: VL039148.D
Acq: 1 Jun 2022 15:08

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 50 Resp: 43320
Ion Ratio Lower Upper
50 100
52 27.7 25.9 38.9

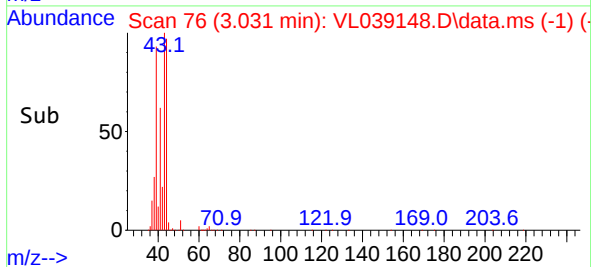
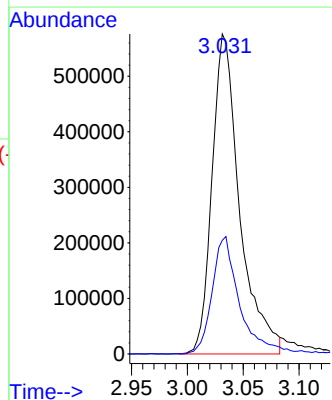
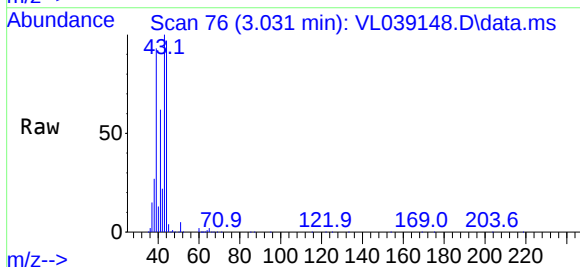
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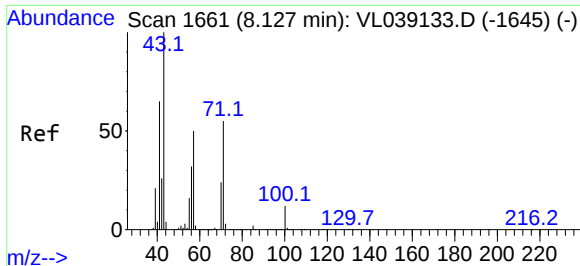
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#9
Propene
Concen: 15.109 ppbv m
RT: 3.031 min Scan# 76
Delta R.T. 0.013 min
Lab File: VL039148.D
Acq: 1 Jun 2022 15:08

Tgt Ion: 41 Resp: 989816
Ion Ratio Lower Upper
41 100
42 323.4 55.4 83.2#





#10

Heptane

Concen: 0.123 ppbv m

RT: 8.121 min Scan# 1

Delta R.T. -0.006 min

Lab File: VL039148.D

Acq: 1 Jun 2022 15:08

Instrument :

MSVOA_L

ClientSampleId :

IA2

Tgt Ion: 43 Resp: 18774

Ion Ratio Lower Upper

43 100

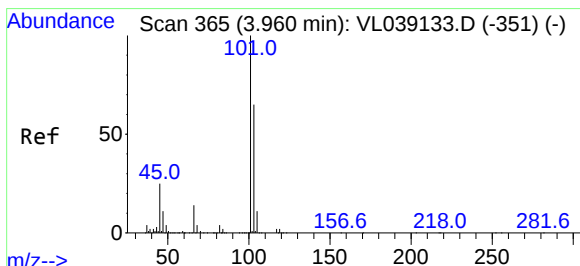
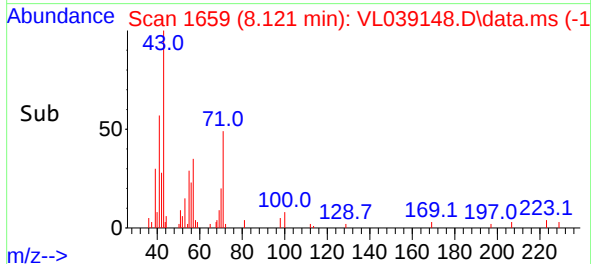
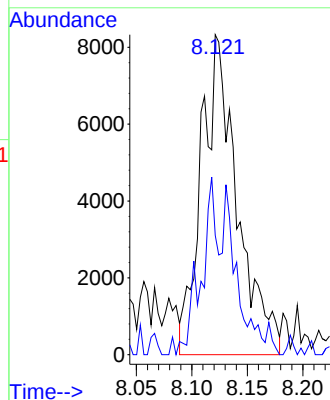
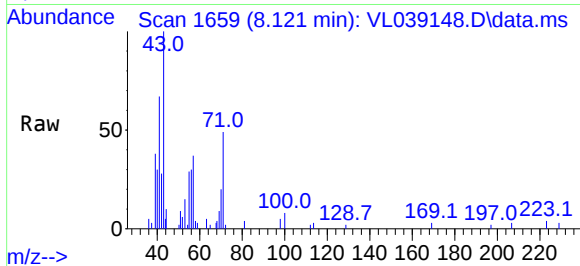
57 49.1 41.4 62.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/06/2022

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#11

Trichlorofluoromethane

Concen: 0.235 ppbv

RT: 3.960 min Scan# 365

Delta R.T. 0.000 min

Lab File: VL039148.D

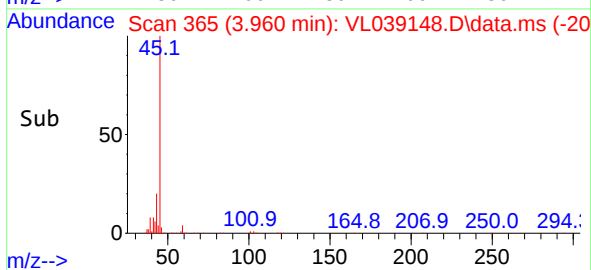
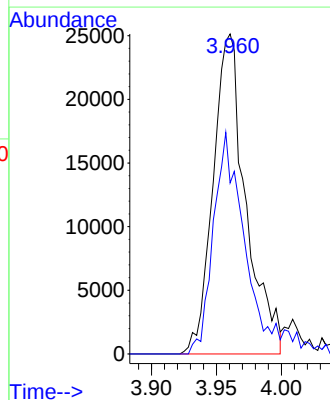
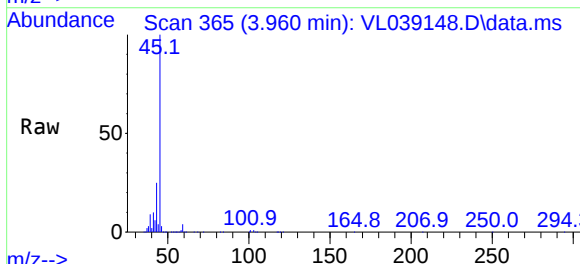
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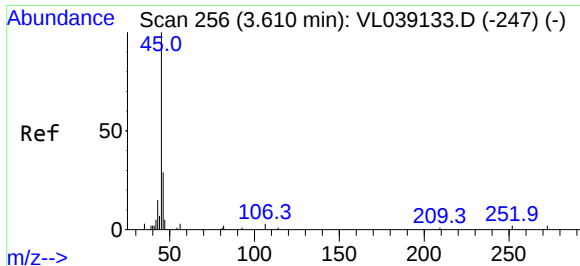
Tgt Ion:101 Resp: 44072

Ion Ratio Lower Upper

101 100

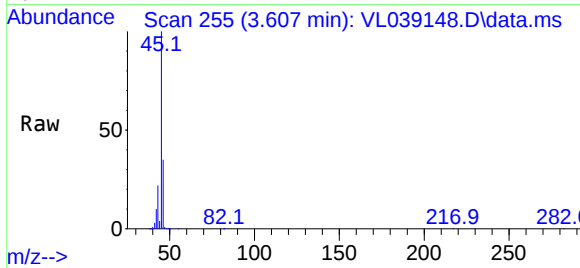
103 53.5 51.7 77.5





#13
Ethanol
Concen: 829.044 ppbv
RT: 3.607 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL039148.D
Acq: 1 Jun 2022 15:08

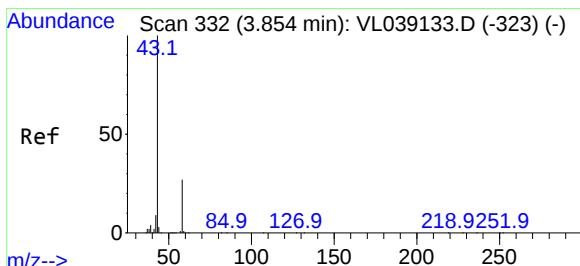
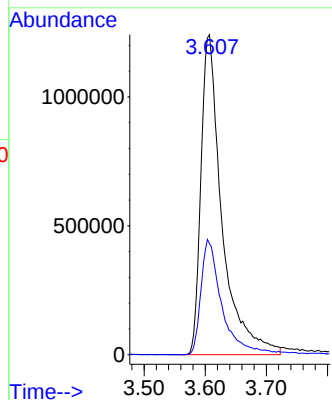
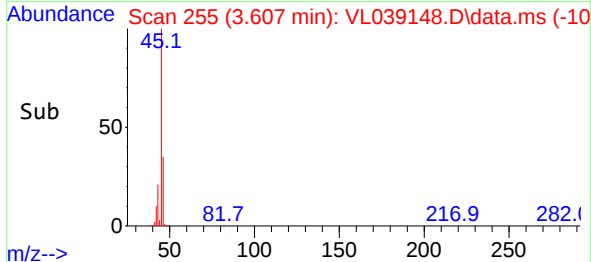
Instrument :
MSVOA_L
ClientSampleId :
IA2



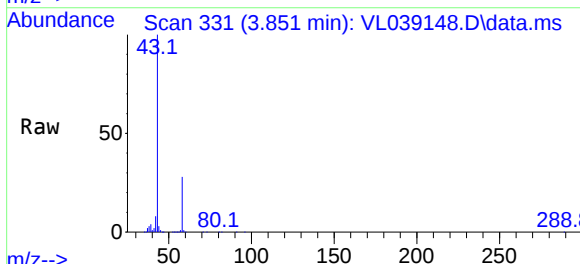
Tgt Ion: 45 Resp: 2962024
Ion Ratio Lower Upper
45 100
46 36.4 0.0 0.0

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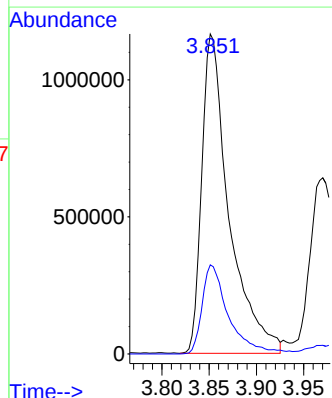
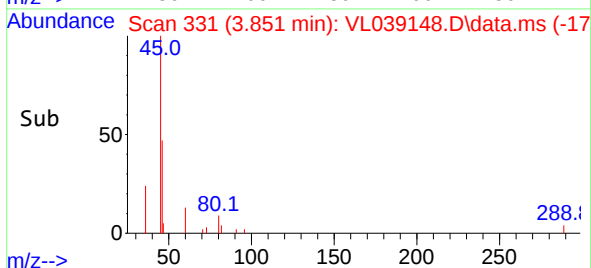
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

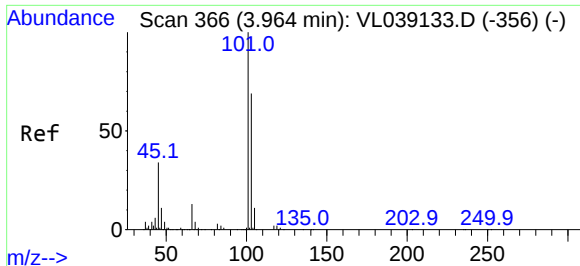


#15
Acetone
Concen: 18.975 ppbv
RT: 3.851 min Scan# 331
Delta R.T. -0.003 min
Lab File: VL039148.D
Acq: 1 Jun 2022 15:08



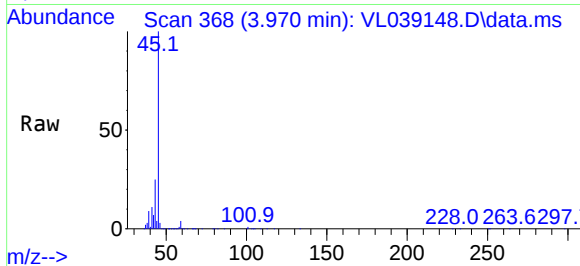
Tgt Ion: 43 Resp: 2333978
Ion Ratio Lower Upper
43 100
58 27.2 22.5 33.7





#19
Isopropyl Alcohol
Concen: 101.313 ppbv
RT: 3.970 min Scan# 30
Delta R.T. 0.007 min
Lab File: VL039148.D
Acq: 1 Jun 2022 15:08

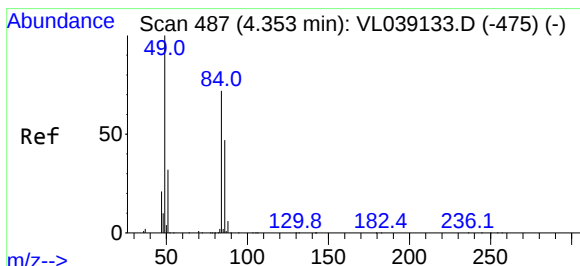
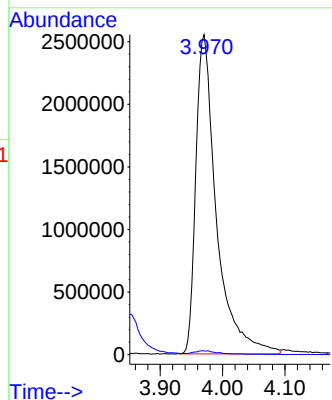
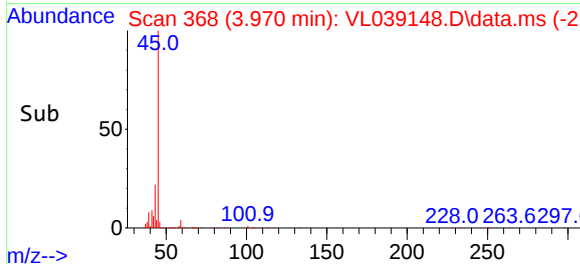
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 45 Resp: 5845028
Ion Ratio Lower Upper
45 100
58 1.4 1.8 2.8

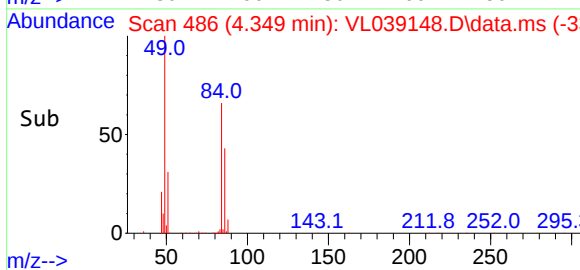
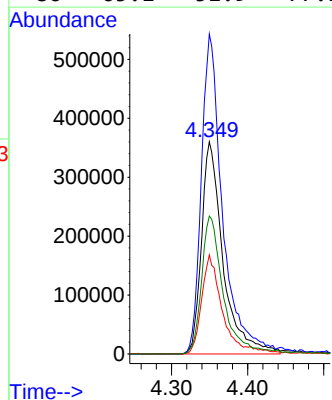
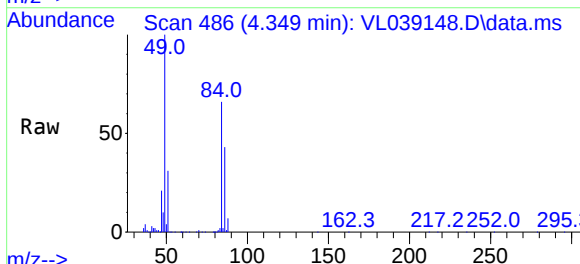
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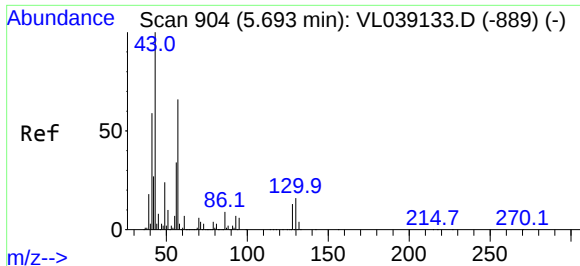
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#20
Methylene Chloride
Concen: 13.702 ppbv
RT: 4.349 min Scan# 486
Delta R.T. -0.003 min
Lab File: VL039148.D
Acq: 1 Jun 2022 15:08

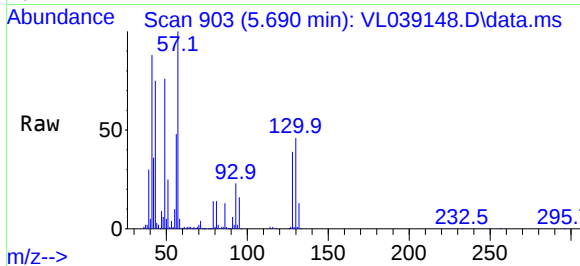
Tgt Ion: 84 Resp: 710255
Ion Ratio Lower Upper
84 100
49 150.8 111.1 166.7
51 46.6 35.3 52.9
86 65.1 51.9 77.9





#26
Hexane
Concen: 4.784 ppbv
RT: 5.690 min Scan# 904
Delta R.T. -0.003 min
Lab File: VL039148.D
Acq: 1 Jun 2022 15:08

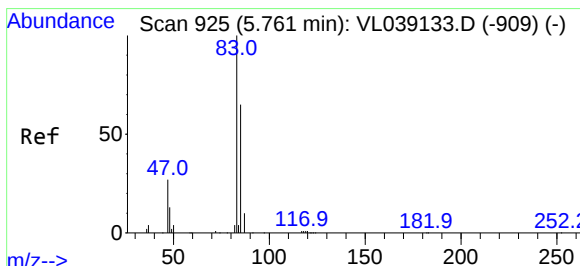
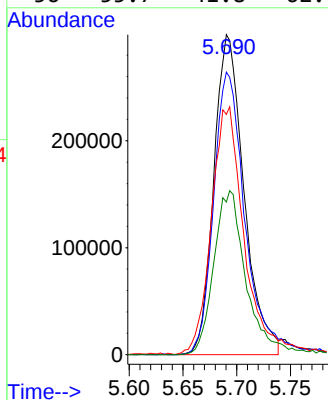
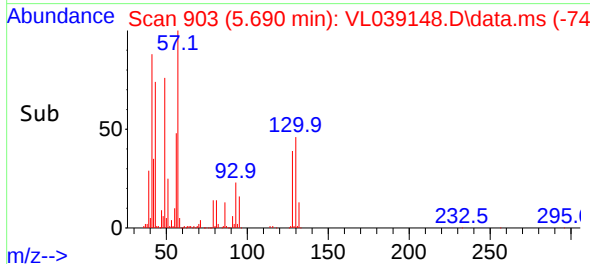
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 57 Resp: 582850
Ion Ratio Lower Upper
57 100
41 94.8 72.4 108.6
43 86.6 187.0 280.6
56 55.7 41.8 62.6

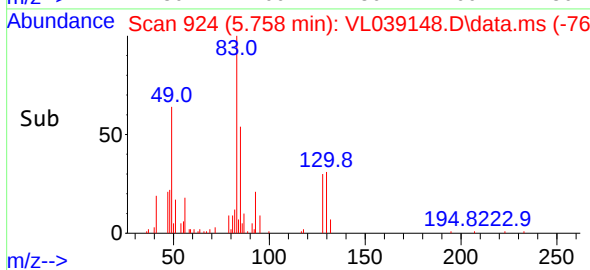
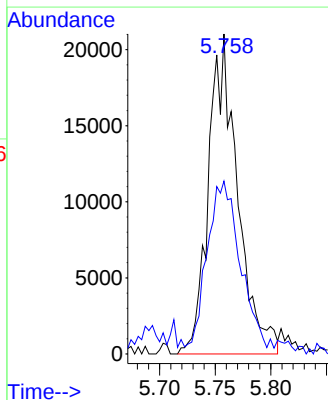
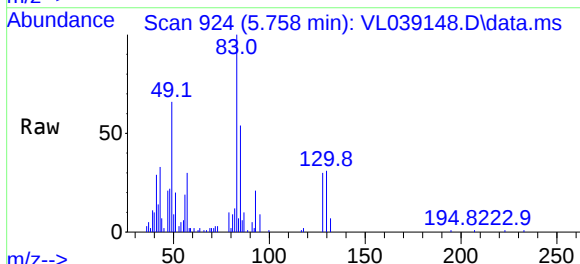
Manual Integrations
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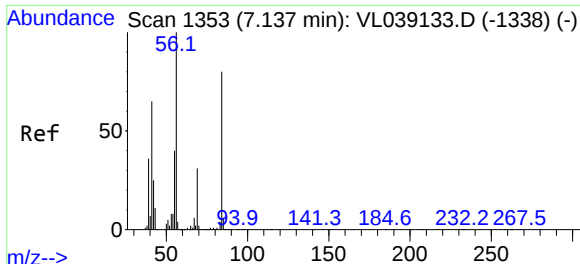
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#29
Chloroform
Concen: 0.186 ppbv m
RT: 5.758 min Scan# 924
Delta R.T. -0.003 min
Lab File: VL039148.D
Acq: 1 Jun 2022 15:08

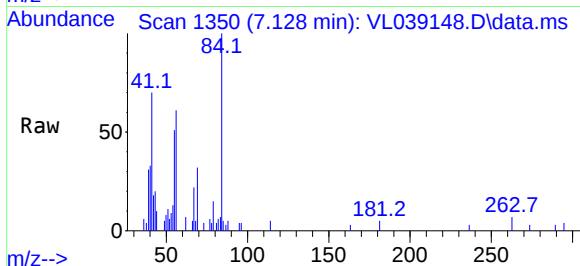
Tgt Ion: 83 Resp: 38204
Ion Ratio Lower Upper
83 100
85 54.0 52.4 78.6





#30
Cyclohexane
Concen: 0.175 ppbv m
RT: 7.128 min Scan# 1350
Delta R.T. -0.010 min
Lab File: VL039148.D
Acq: 1 Jun 2022 15:08

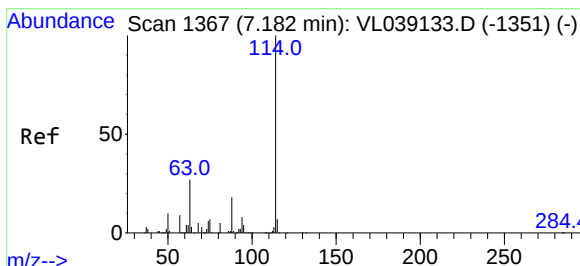
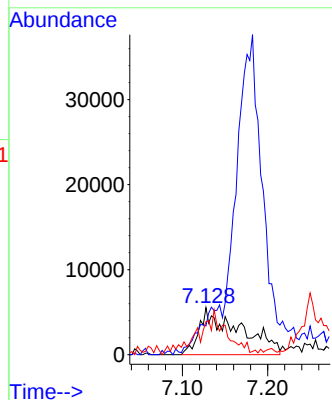
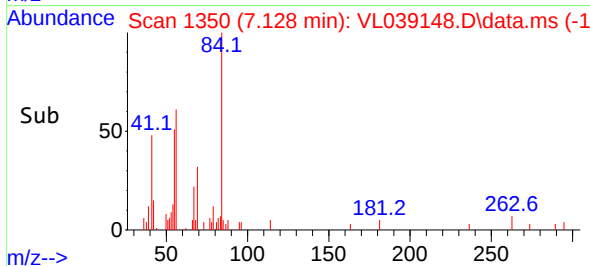
Instrument :
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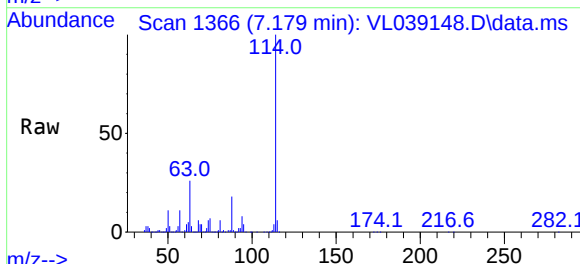
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Ion Ratio Lower Upper
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56 0.0 110.6 165.8
41 72.2 68.9 103.3

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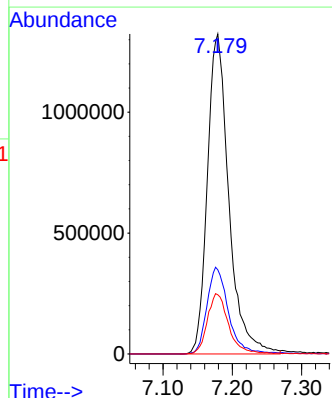
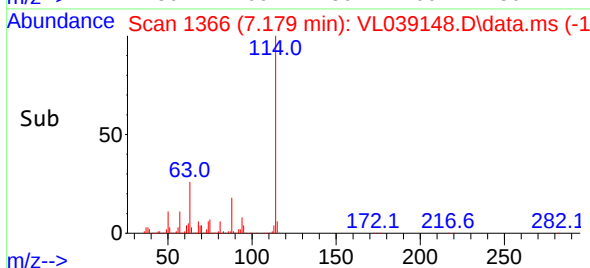
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

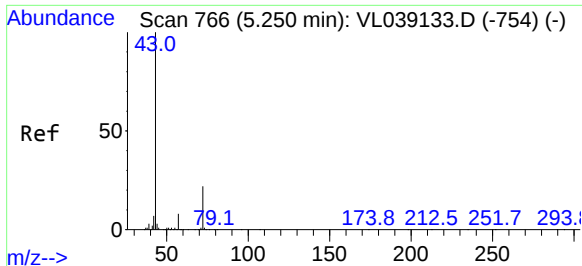


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 1366
Delta R.T. -0.003 min
Lab File: VL039148.D
Acq: 1 Jun 2022 15:08



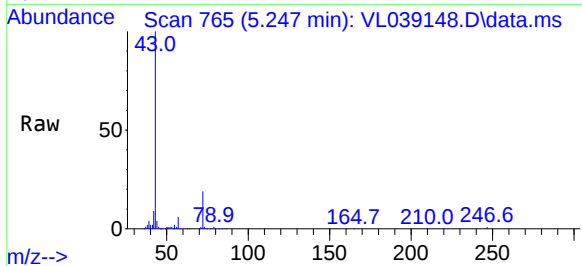
Tgt Ion:114 Resp: 2840024
Ion Ratio Lower Upper
114 100
63 27.4 21.7 32.5
88 18.8 14.8 22.2





#34
2-Butanone
Concen: 1.192 ppbv
RT: 5.247 min Scan# 765
Delta R.T. -0.003 min
Lab File: VL039148.D
Acq: 1 Jun 2022 15:08

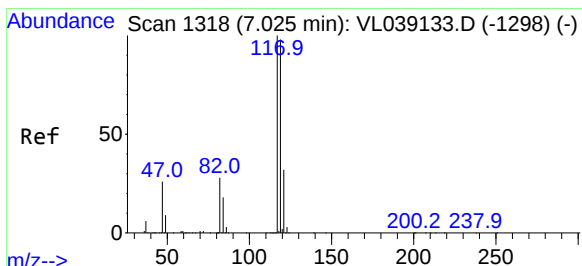
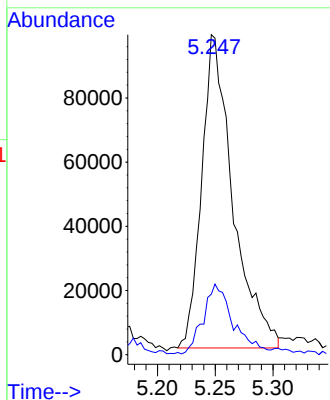
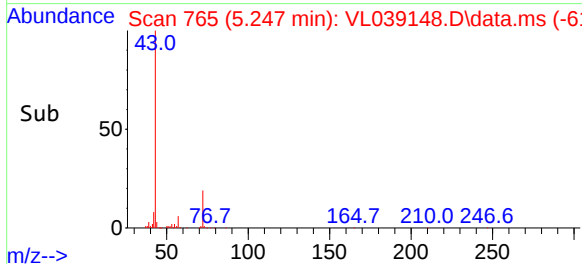
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 43 Resp: 18384
Ion Ratio Lower Upper
43 100
72 23.3 18.2 27.2

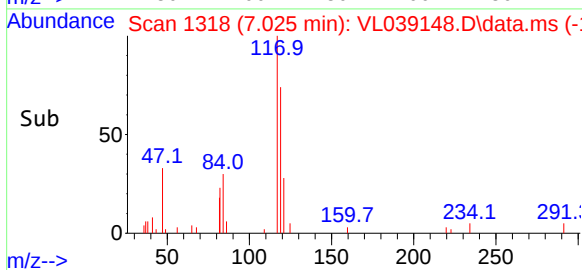
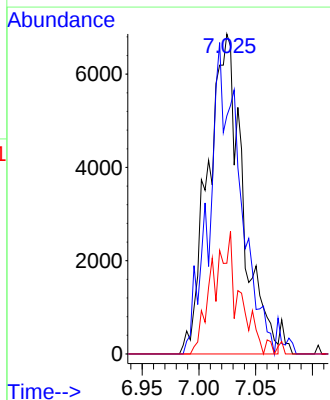
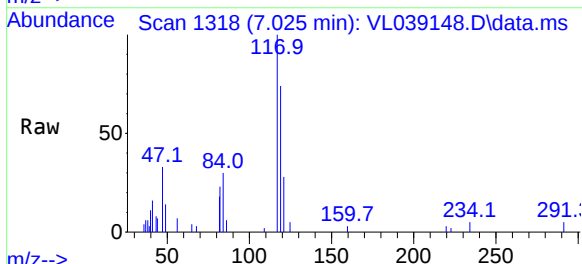
Manual Integrations
APPROVED

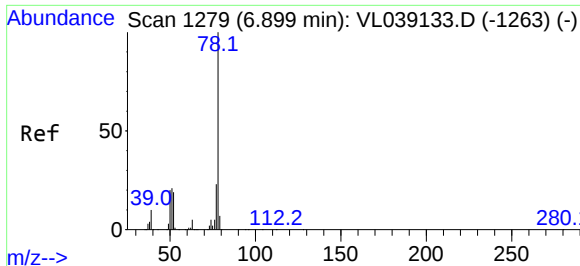
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#35
Carbon Tetrachloride
Concen: 0.070 ppbv m
RT: 7.025 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VL039148.D
Acq: 1 Jun 2022 15:08

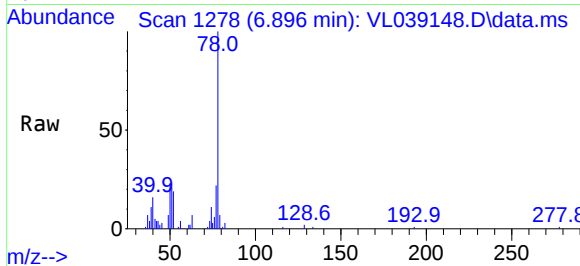
Tgt Ion:117 Resp: 14490
Ion Ratio Lower Upper
117 100
119 74.4 78.6 118.0#
121 28.4 25.4 38.0





#36
Benzene
Concen: 0.208 ppbv m
RT: 6.896 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL039148.D
Acq: 1 Jun 2022 15:08

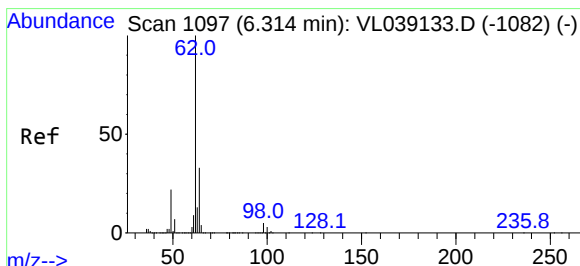
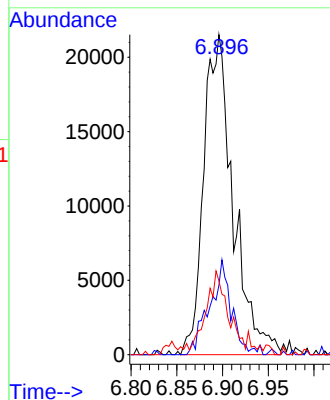
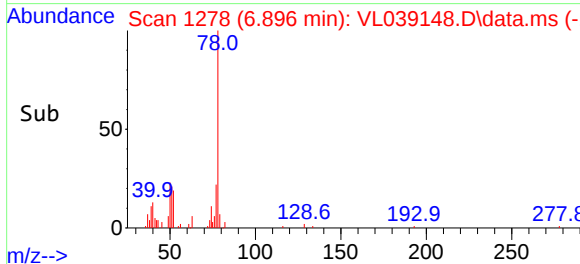
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 78 Resp: 4803
Ion Ratio Lower Upper
78 100
77 21.7 18.6 27.8
50 23.1 15.8 23.8

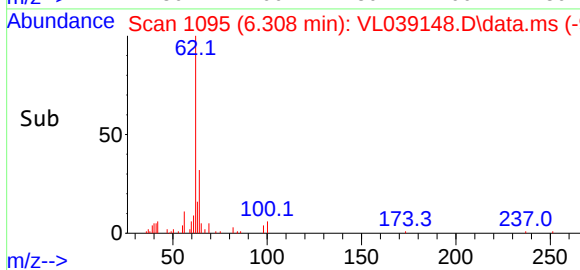
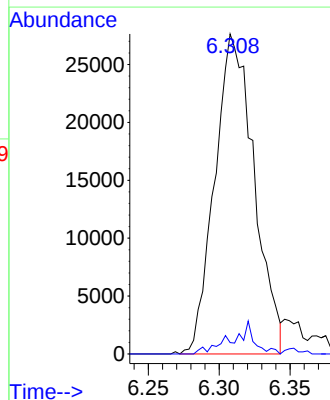
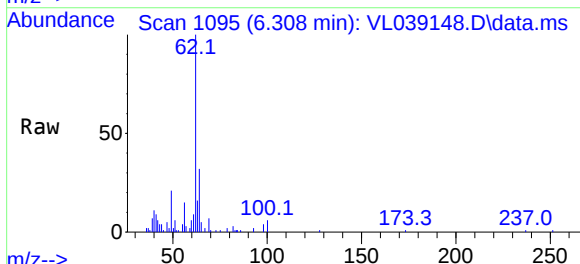
Manual Integrations
APPROVED

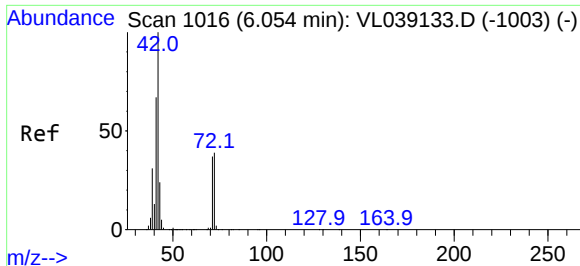
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#37
1,2-Dichloroethane
Concen: 0.352 ppbv
RT: 6.308 min Scan# 1095
Delta R.T. -0.006 min
Lab File: VL039148.D
Acq: 1 Jun 2022 15:08

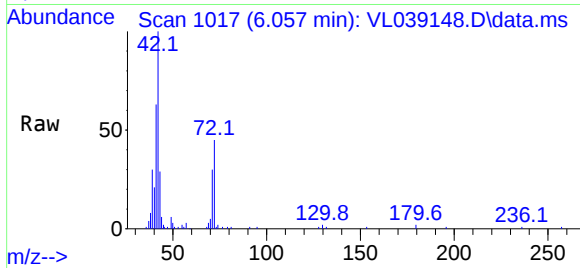
Tgt Ion: 62 Resp: 53431
Ion Ratio Lower Upper
62 100
98 5.8 4.3 6.5





#41
Tetrahydrofuran
Concen: 0.770 ppbv m
RT: 6.057 min Scan# 1016
Delta R.T. 0.003 min
Lab File: VL039148.D
Acq: 1 Jun 2022 15:08

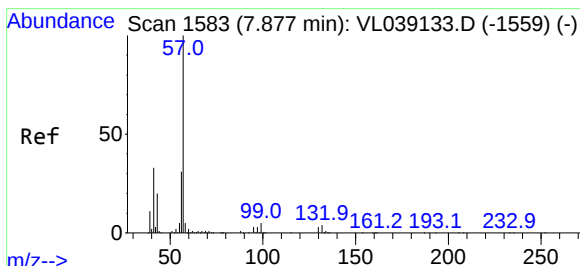
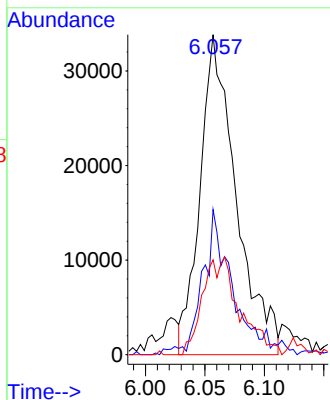
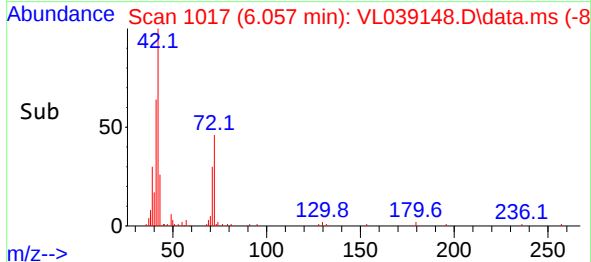
Instrument :
MSVOA_L
ClientSampleId :
IA2



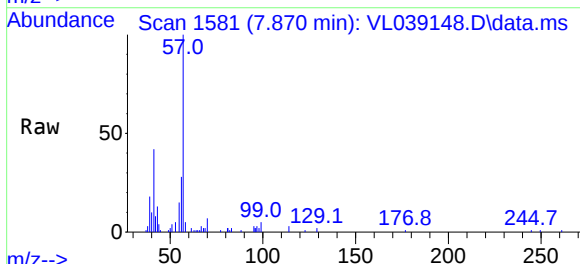
Tgt Ion: 42 Resp: 71456
Ion Ratio Lower Upper
42 100
72 38.8 32.0 48.0
71 34.1 31.1 46.7

Manual Integrations
APPROVED

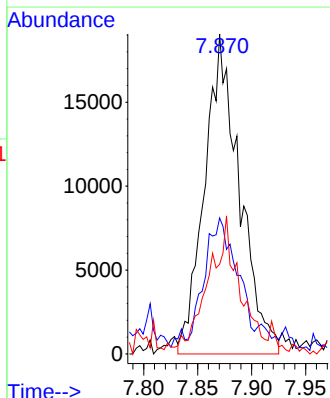
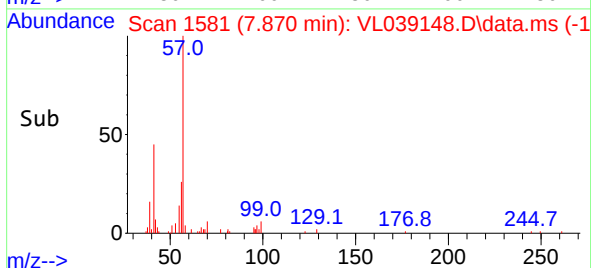
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

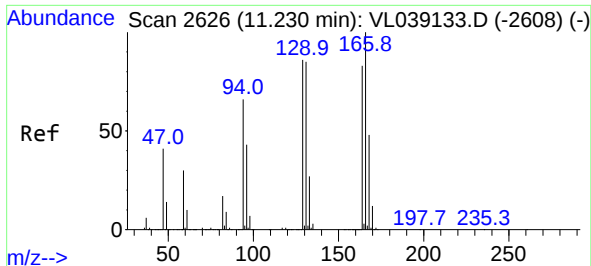


#44
2,2,4-Trimethylpentane
Concen: 0.107 ppbv m
RT: 7.870 min Scan# 1581
Delta R.T. -0.006 min
Lab File: VL039148.D
Acq: 1 Jun 2022 15:08



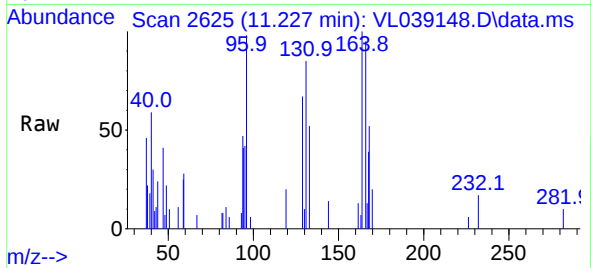
Tgt Ion: 57 Resp: 43082
Ion Ratio Lower Upper
57 100
41 47.8 26.2 39.4#
56 42.1 24.7 37.1#





#52
Tetrachloroethene
Concen: 0.050 ppbv m
RT: 11.227 min Scan# 2625
Delta R.T. -0.003 min
Lab File: VL039148.D
Acq: 1 Jun 2022 15:08

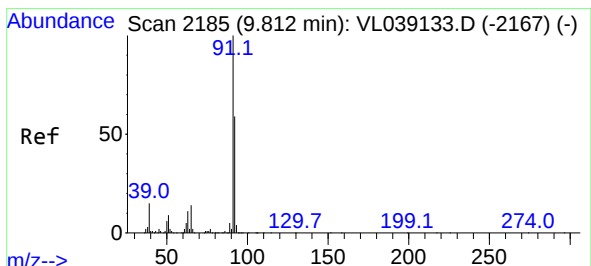
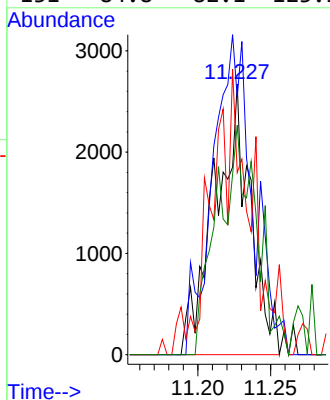
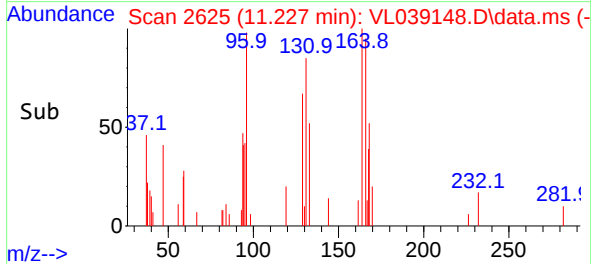
Instrument : MSVOA_L
ClientSampleId : IA2



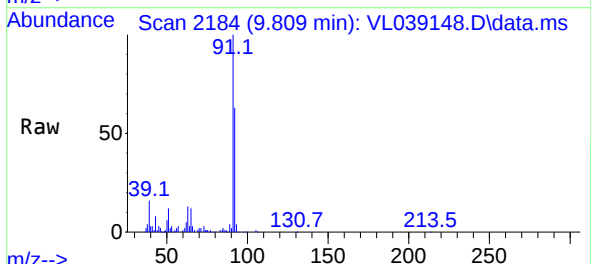
Tgt Ion:164 Resp: 4540
Ion Ratio Lower Upper
164 100
166 95.1 96.3 144.5
129 67.3 82.5 123.7
131 84.8 82.1 123.1

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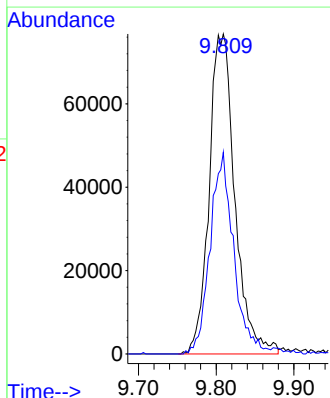
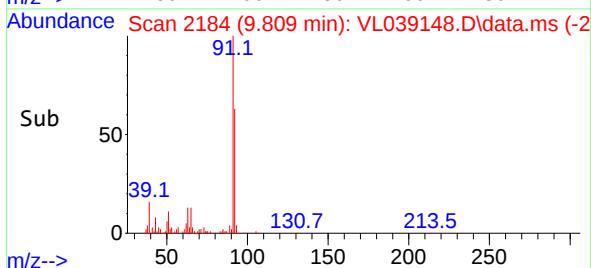
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

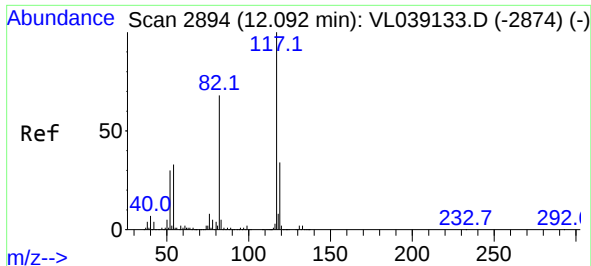


#53
Toluene
Concen: 0.664 ppbv m
RT: 9.809 min Scan# 2184
Delta R.T. -0.003 min
Lab File: VL039148.D
Acq: 1 Jun 2022 15:08



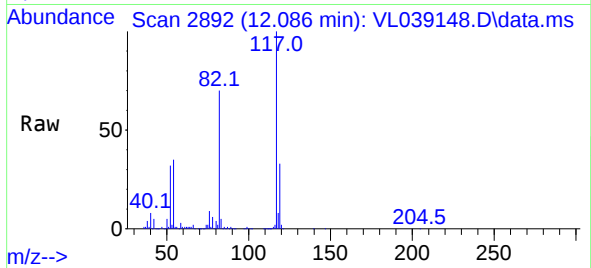
Tgt Ion: 91 Resp: 176385
Ion Ratio Lower Upper
91 100
92 58.8 48.1 72.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.086 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL039148.D
Acq: 1 Jun 2022 15:08

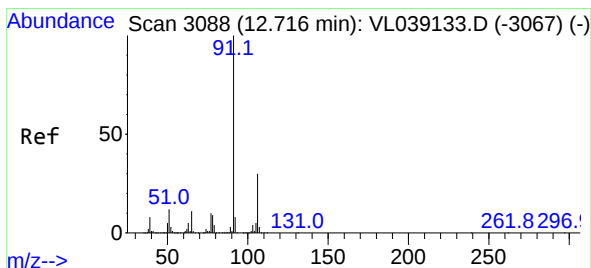
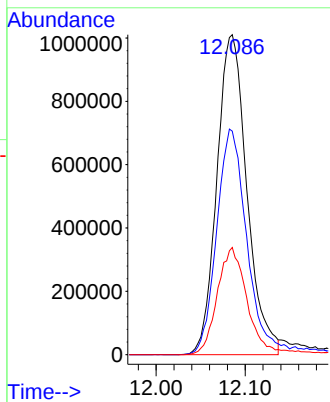
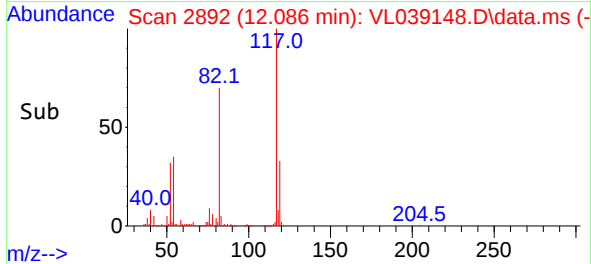
Instrument :
MSVOA_L
ClientSampleId :
IA2



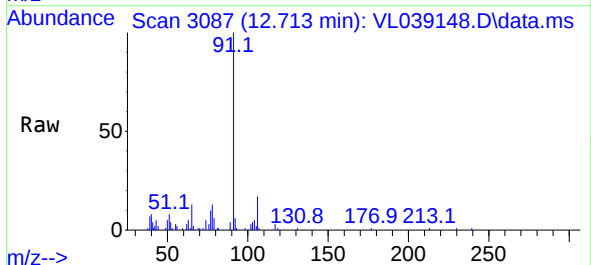
Tgt Ion:117 Resp: 2368208
Ion Ratio Lower Upper
117 100
82 74.7 55.1 82.7
119 35.1 24.7 37.1

Manual Integrations
APPROVED

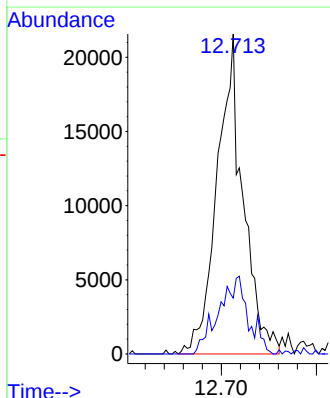
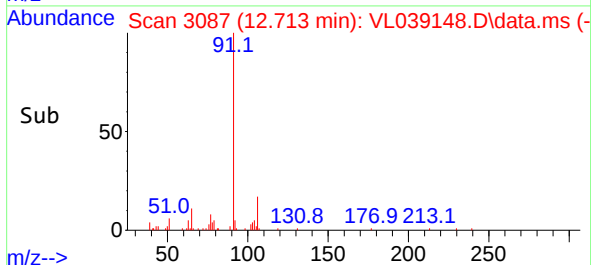
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

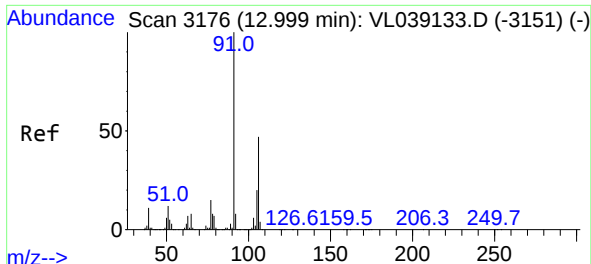


#58
Ethyl Benzene
Concen: 0.125 ppbv m
RT: 12.713 min Scan# 3087
Delta R.T. -0.003 min
Lab File: VL039148.D
Acq: 1 Jun 2022 15:08



Tgt Ion: 91 Resp: 40926
Ion Ratio Lower Upper
91 100
106 17.5 24.2 36.4#





#59

m/p-Xylene

Concen: 0.388 ppbv m

RT: 12.967 min Scan# 3176

Delta R.T. -0.032 min

Lab File: VL039148.D

Acq: 1 Jun 2022 15:08

Instrument :

MSVOA_L

ClientSampleId :

IA2

Tgt Ion: 91 Resp: 11138

Ion Ratio Lower Upper

91 100

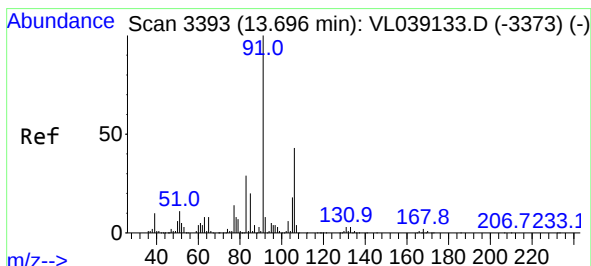
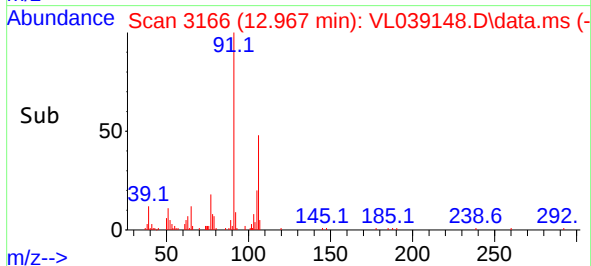
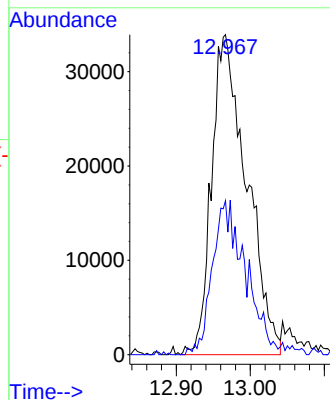
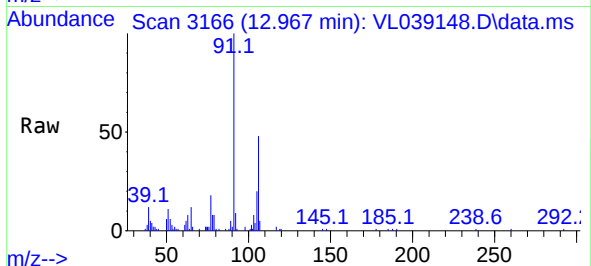
106 0.0 34.3 51.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2022

Supervised By :Mahesh Dadoda 06/06/2022



#60

o-Xylene

Concen: 0.162 ppbv m

RT: 13.693 min Scan# 3392

Delta R.T. -0.003 min

Lab File: VL039148.D

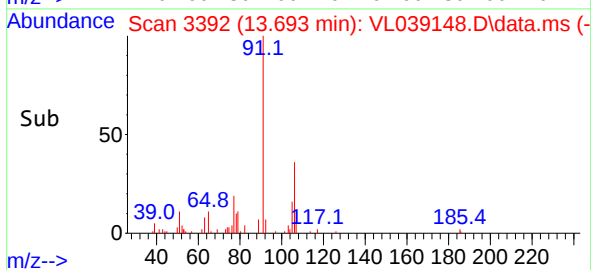
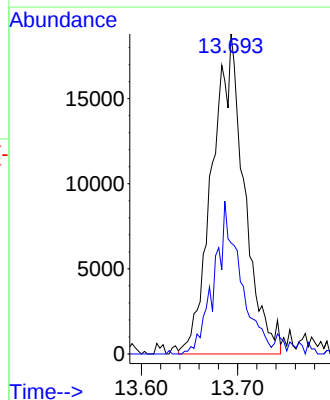
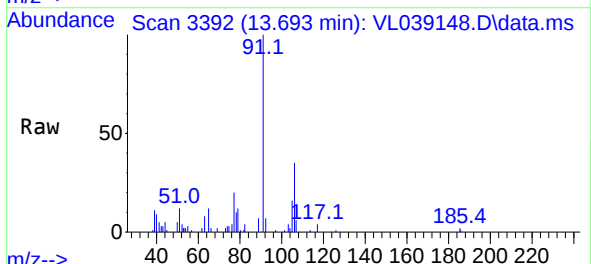
Acq: 1 Jun 2022 15:08

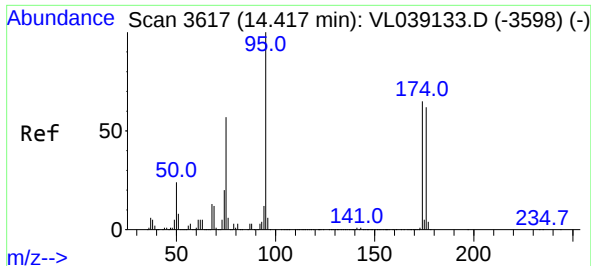
Tgt Ion: 91 Resp: 43750

Ion Ratio Lower Upper

91 100

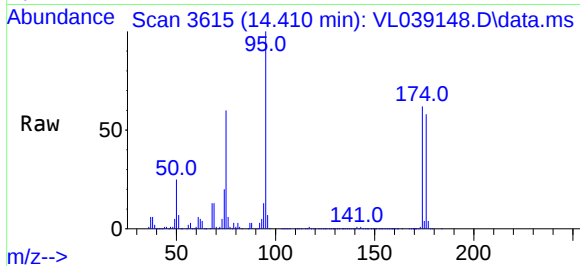
106 42.3 22.3 66.9





#68
1-Bromo-4-Fluorobenzene
Concen: 10.230 ppbv
RT: 14.410 min Scan# 30
Delta R.T. -0.006 min
Lab File: VL039148.D
Acq: 1 Jun 2022 15:08

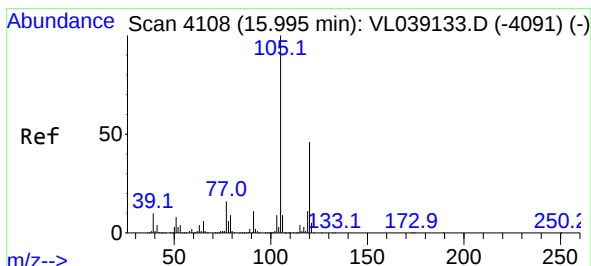
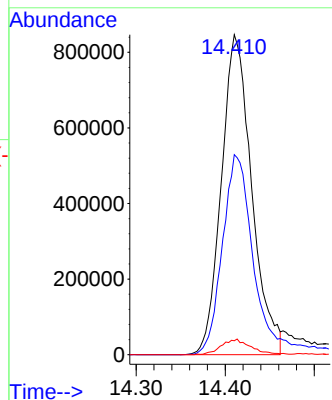
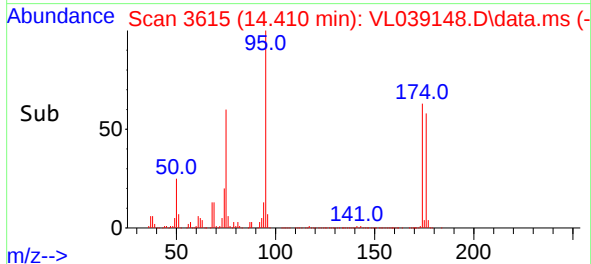
Instrument :
MSVOA_L
ClientSampleId :
IA2



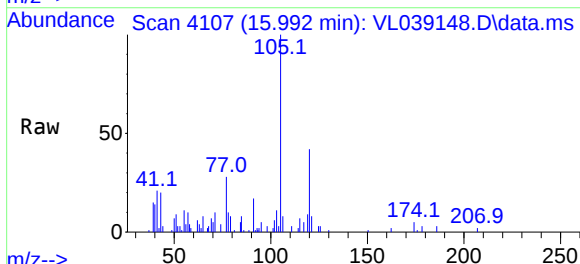
Tgt Ion: 95 Resp: 200289
Ion Ratio Lower Upper
95 100
174 68.1 53.8 80.8
175 4.8 4.1 6.1

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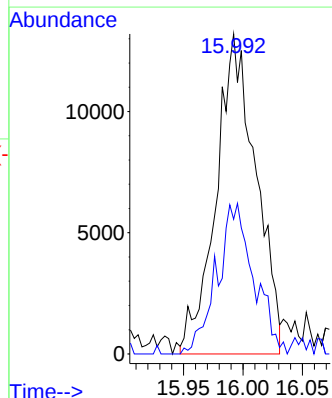
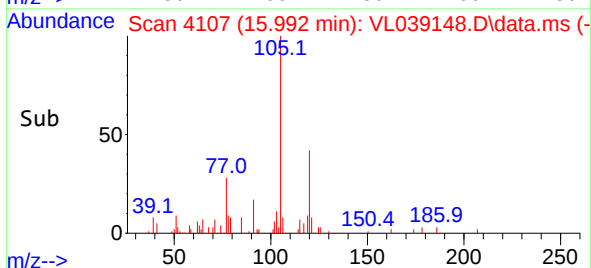
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

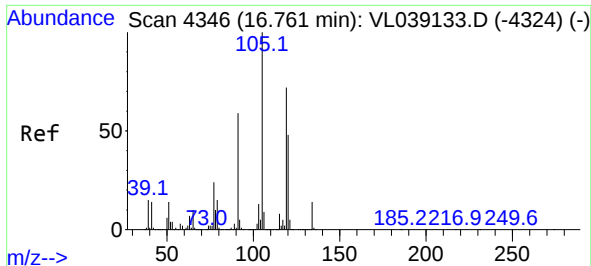


#73
1,3,5-Trimethylbenzene
Concen: 0.108 ppbv m
RT: 15.992 min Scan# 4107
Delta R.T. -0.003 min
Lab File: VL039148.D
Acq: 1 Jun 2022 15:08



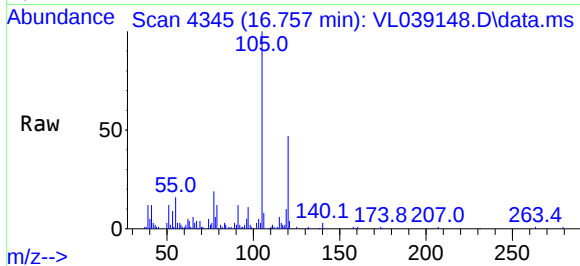
Tgt Ion:105 Resp: 30809
Ion Ratio Lower Upper
105 100
120 42.1 36.7 55.1





#74
1,2,4-Trimethylbenzene
Concen: 0.313 ppbv m
RT: 16.757 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL039148.D
Acq: 1 Jun 2022 15:08

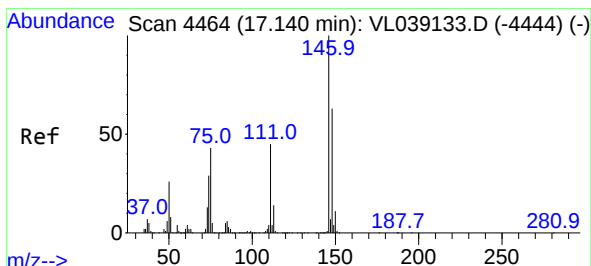
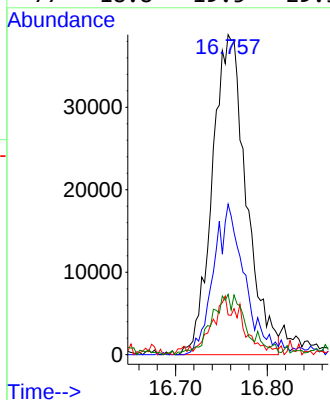
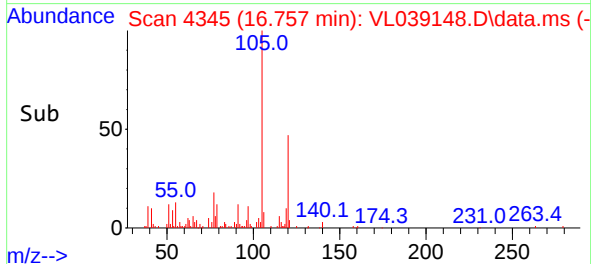
Instrument :
MSVOA_L
ClientSampleId :
IA2



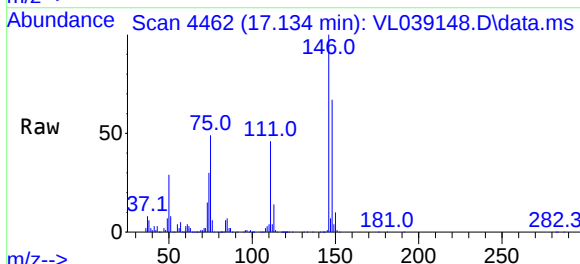
Tgt Ion:	105	Resp:	9974
Ion	Ratio	Lower	Upper
105	100		
120	47.0	38.1	57.1
91	12.4	47.4	71.0
77	18.8	19.5	29.3

Manual Integrations
APPROVED

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



#76
1,4-Dichlorobenzene
Concen: 5.360 ppbv
RT: 17.134 min Scan# 4462
Delta R.T. -0.006 min
Lab File: VL039148.D
Acq: 1 Jun 2022 15:08



Tgt Ion:	146	Resp:	963852
Ion	Ratio	Lower	Upper
146	100		
111	47.7	23.6	71.0
148	64.9	33.7	101.0

