

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030122\
 Data File : VL038455.D
 Acq On : 1 Mar 2022 17:50
 Operator : SY/AP
 Sample : N1720-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/02/2022
 Supervised By :Mahesh Dadoda 03/02/2022

Quant Time: Mar 02 03:07:13 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Feb 22 2022

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.668	49	888637	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.176	114	2278843	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.082	117	1926352	10.000	ppbv	# 0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.410	95	1400506	8.787	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	87.900%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.054	85	36516	0.259	ppbv	95
3) Chlorodifluoromethane	2.996	51	61348m	0.391	ppbv	
4) Chloromethane	3.153	50	30777	0.564	ppbv	93
9) Propene	3.031	41	39829	0.769	ppbv #	81
11) Trichlorofluoromethane	3.960	101	27578	0.205	ppbv	84
13) Ethanol	3.607	45	1181872	228.576	ppbv	88
15) Acetone	3.857	43	258861	3.425	ppbv	99
19) Isopropyl Alcohol	3.973	45	230180	5.260	ppbv #	97
20) Methylene Chloride	4.356	84	68045	1.817	ppbv	86
26) Hexane	5.687	57	80100m	0.871	ppbv	
34) 2-Butanone	5.250	43	32496	0.453	ppbv #	85
35) Carbon Tetrachloride	7.021	117	7826	0.049	ppbv #	93
36) Benzene	6.889	78	45349	0.226	ppbv #	94
52) Tetrachloroethene	11.220	164	4391m	0.066	ppbv	
53) Toluene	9.803	91	80431m	0.369	ppbv	
59) m/p-Xylene	12.973	91	42848m	0.189	ppbv	

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

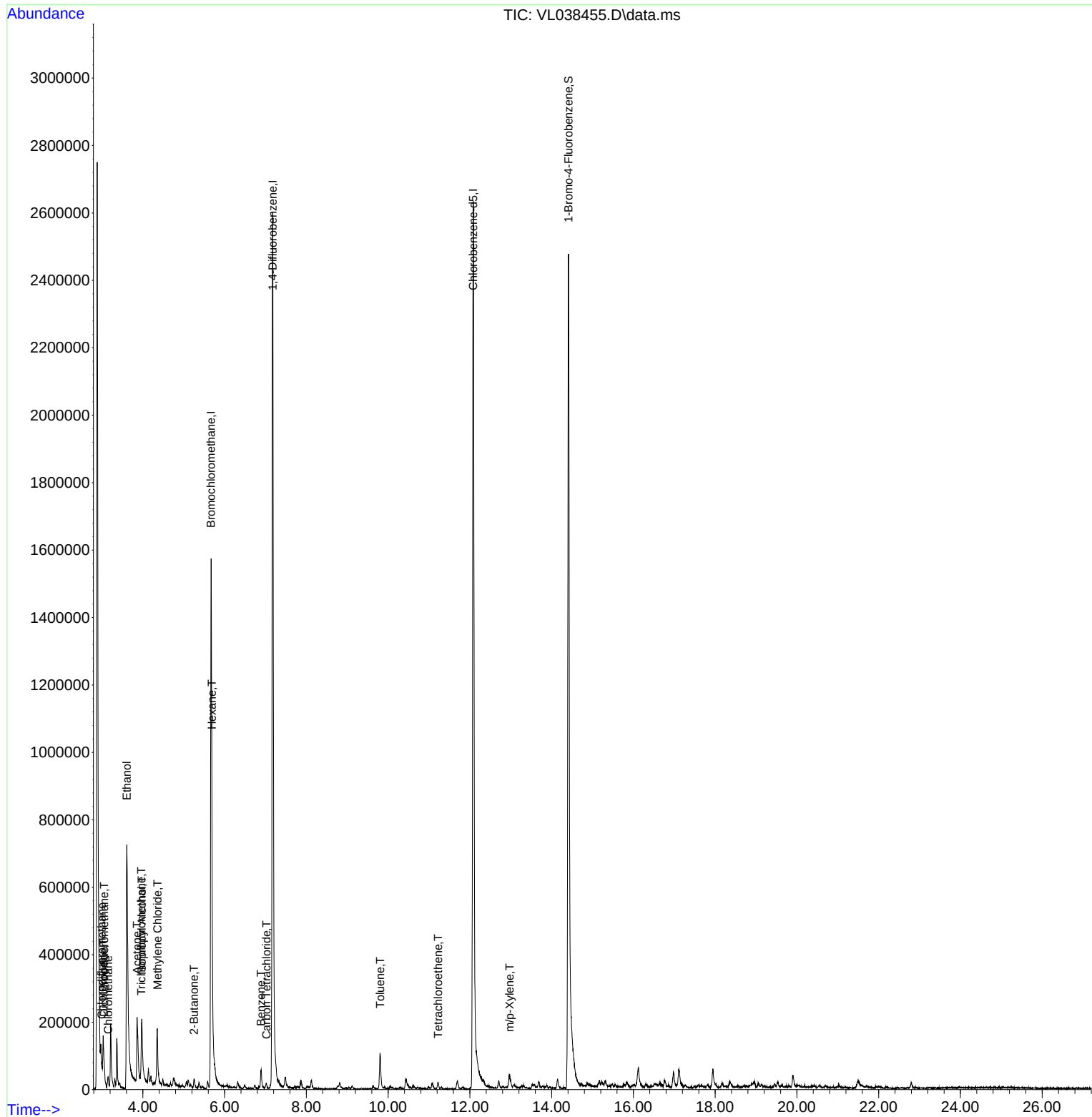
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030122\
Data File : VL038455.D
Acq On : 1 Mar 2022 17:50
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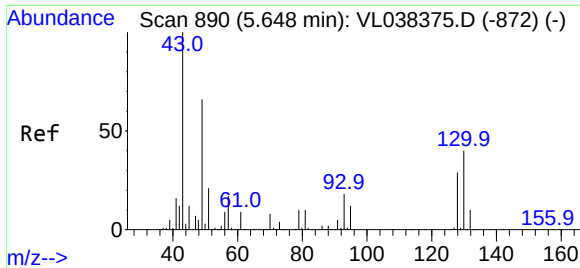
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Mar 02 03:07:13 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration

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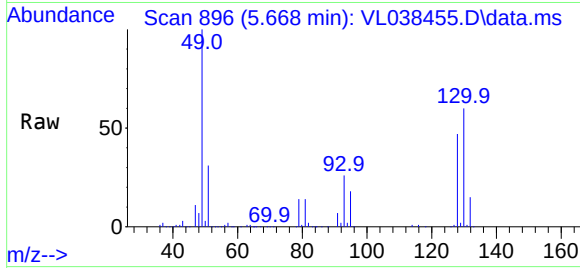
Reviewed By : Semsettin Yesilyurt 03/02/2022
Supervised By : Mahesh Dadoda 03/02/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.668 min Scan# 890
Delta R.T. 0.019 min
Lab File: VL038455.D
Acq: 1 Mar 2022 17:50

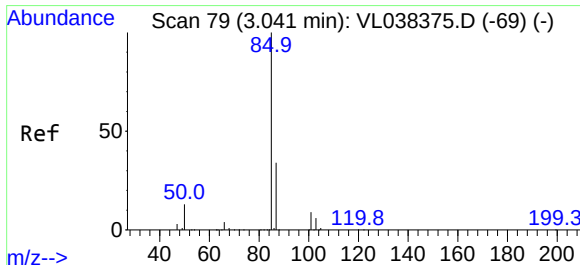
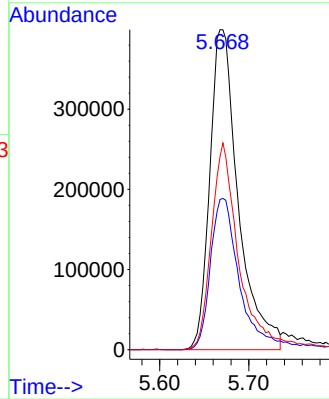
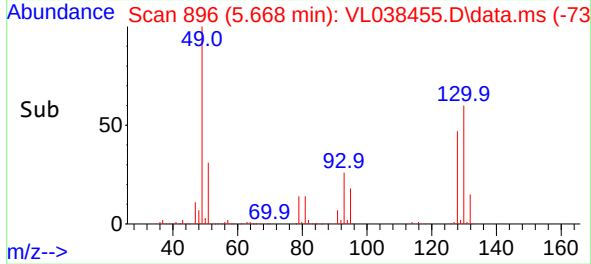
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 88863
Ion Ratio Lower Upper
49 100
128 50.3 24.3 72.9
130 64.3 30.1 90.5

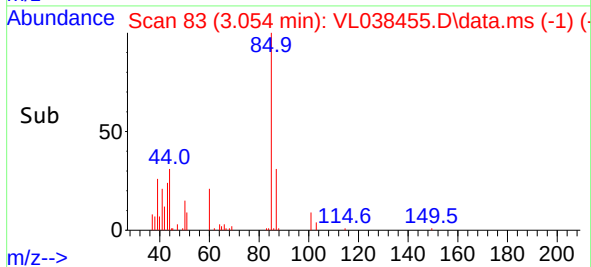
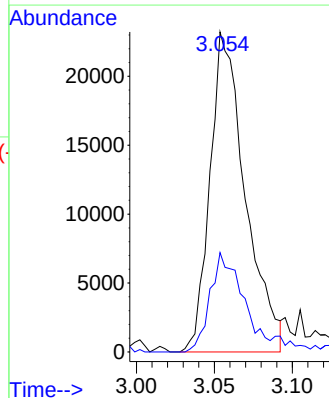
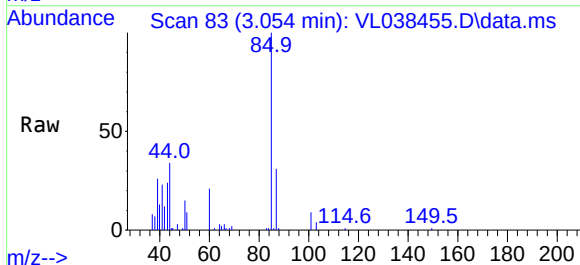
Manual Integrations
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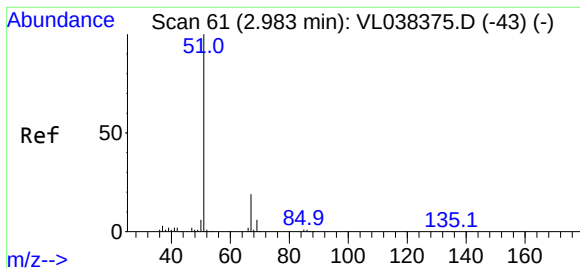
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#2
Dichlorodifluoromethane
Concen: 0.259 ppbv
RT: 3.054 min Scan# 83
Delta R.T. 0.013 min
Lab File: VL038455.D
Acq: 1 Mar 2022 17:50

Tgt Ion: 85 Resp: 36516
Ion Ratio Lower Upper
85 100
87 31.1 27.4 41.0





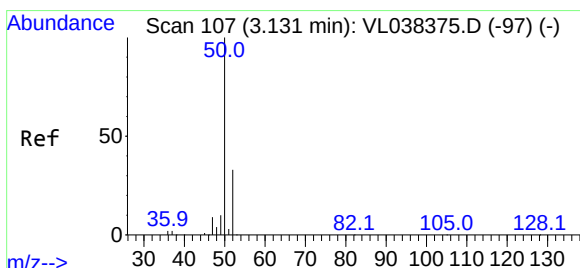
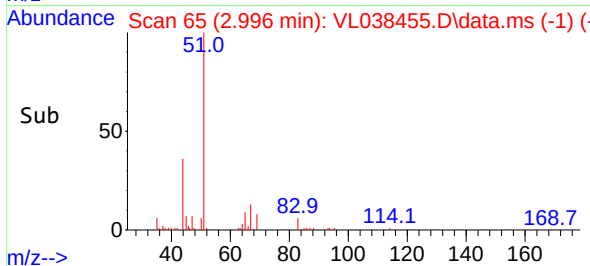
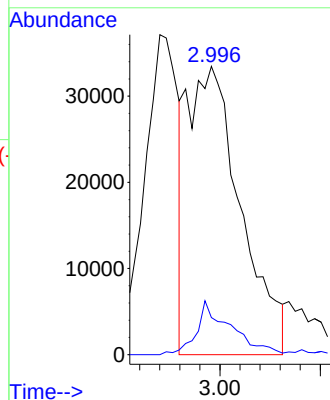
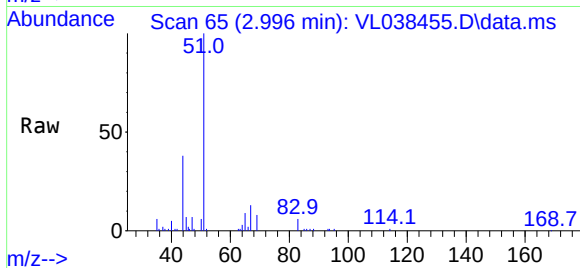
#3
Chlorodifluoromethane
Concen: 0.391 ppbv
RT: 2.996 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL038455.D
Acq: 1 Mar 2022 17:50

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 51 Resp: 61348
Ion Ratio Lower Upper
51 100
67 13.5 14.7 22.1

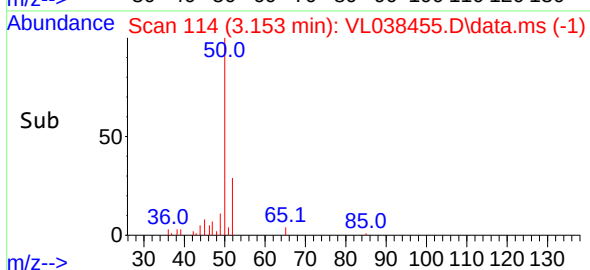
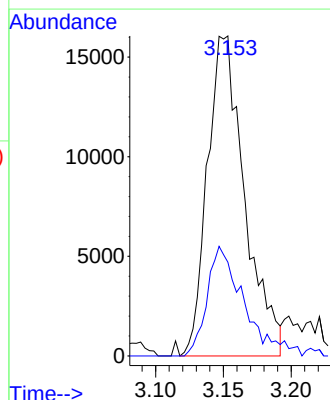
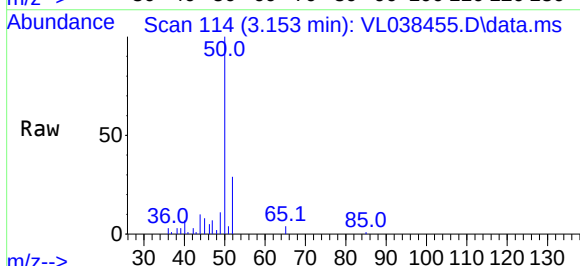
Manual Integrations
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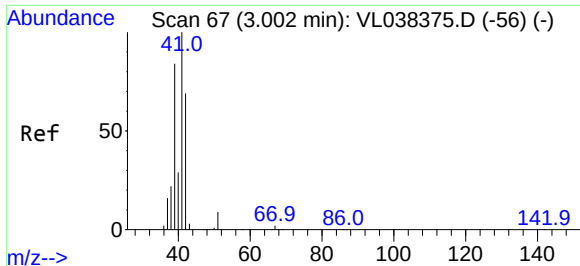
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#4
Chloromethane
Concen: 0.564 ppbv
RT: 3.153 min Scan# 114
Delta R.T. 0.023 min
Lab File: VL038455.D
Acq: 1 Mar 2022 17:50

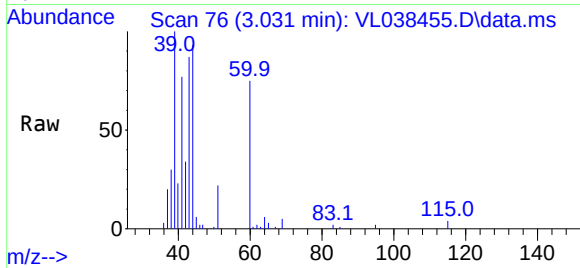
Tgt Ion: 50 Resp: 30777
Ion Ratio Lower Upper
50 100
52 29.3 26.5 39.7





#9
Propene
Concen: 0.769 ppbv
RT: 3.031 min Scan# 70
Delta R.T. 0.029 min
Lab File: VL038455.D
Acq: 1 Mar 2022 17:50

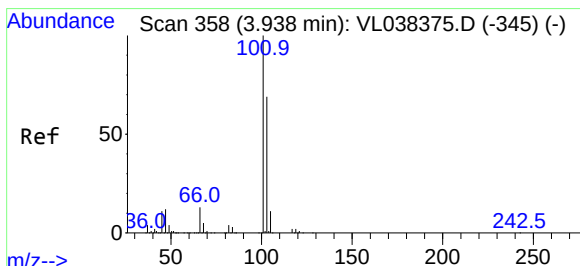
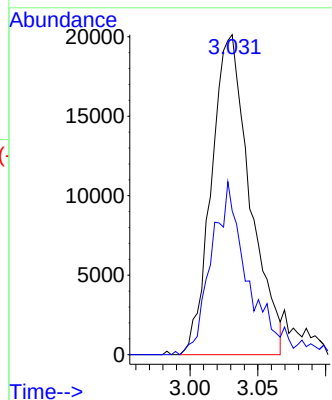
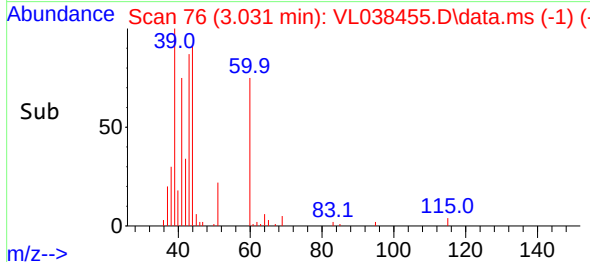
Instrument :
MSVOA_L
ClientSampleId :
IA1



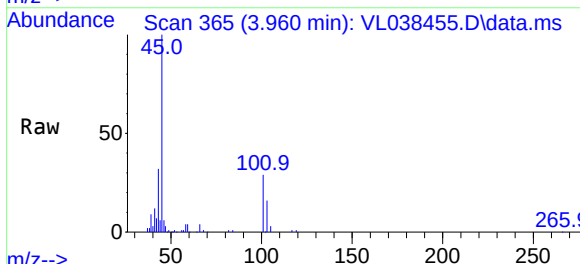
Tgt Ion: 41 Resp: 39829
Ion Ratio Lower Upper
41 100
42 53.2 54.6 82.0

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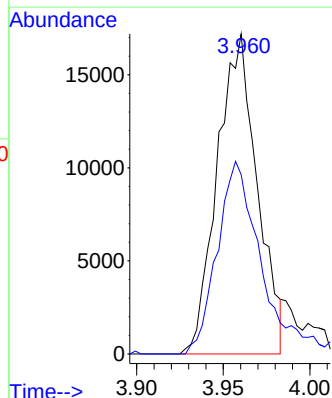
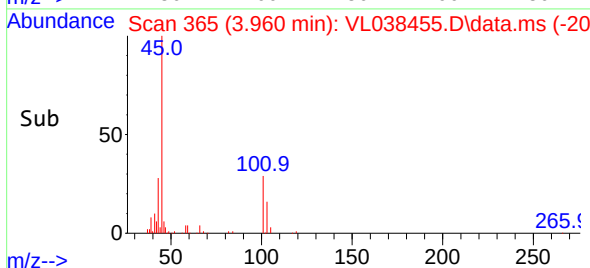
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

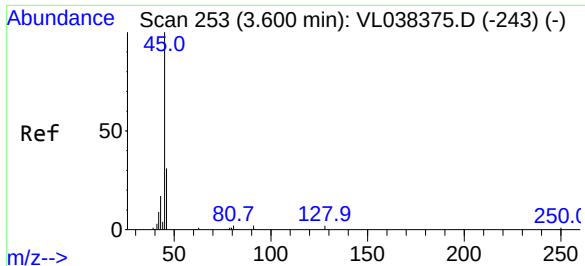


#11
Trichlorofluoromethane
Concen: 0.205 ppbv
RT: 3.960 min Scan# 365
Delta R.T. 0.023 min
Lab File: VL038455.D
Acq: 1 Mar 2022 17:50



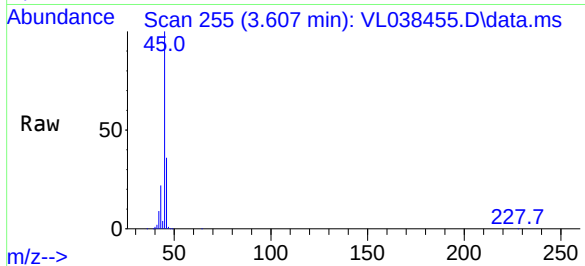
Tgt Ion:101 Resp: 27578
Ion Ratio Lower Upper
101 100
103 56.1 55.0 82.4





#13
Ethanol
Concen: 228.576 ppbv
RT: 3.607 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL038455.D
Acq: 1 Mar 2022 17:50

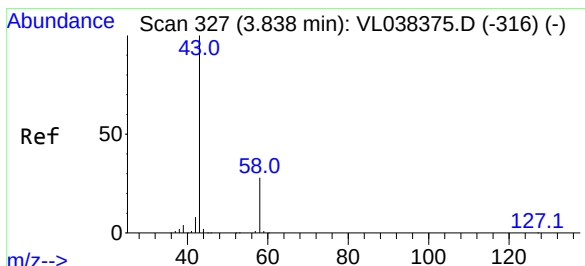
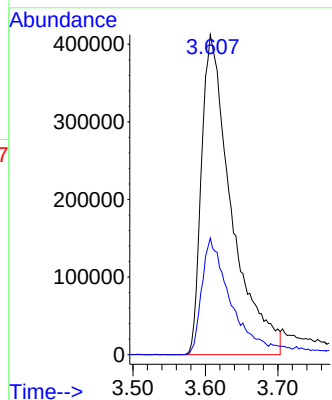
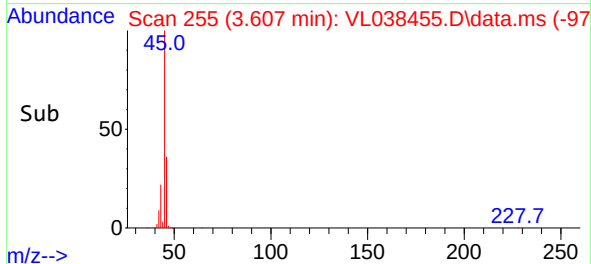
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 45 Resp: 1181872
Ion Ratio Lower Upper
45 100
46 37.8 18.2 72.8

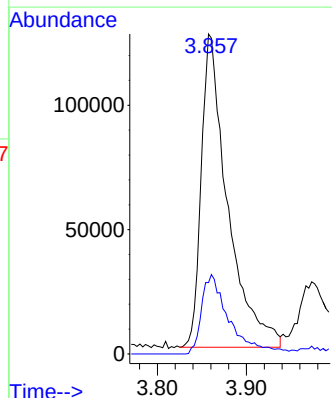
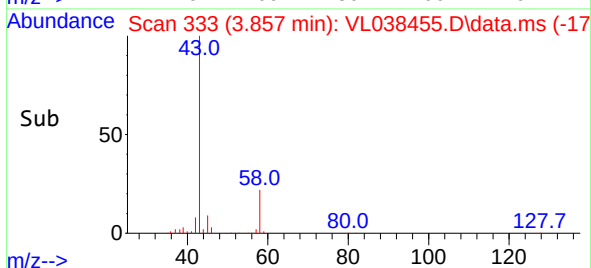
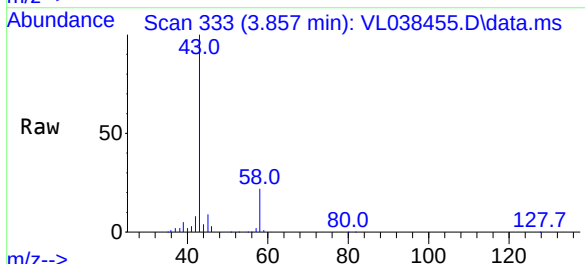
Manual Integrations
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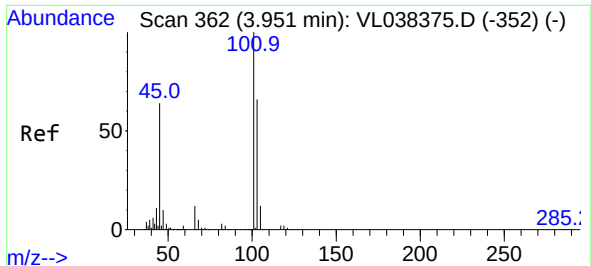
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#15
Acetone
Concen: 3.425 ppbv
RT: 3.857 min Scan# 333
Delta R.T. 0.019 min
Lab File: VL038455.D
Acq: 1 Mar 2022 17:50

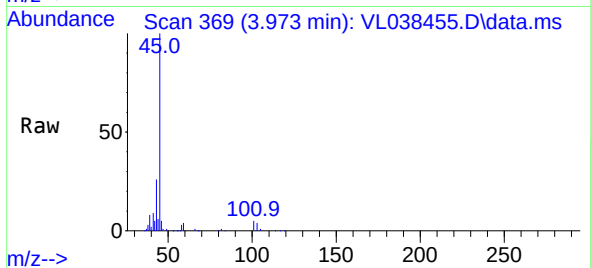
Tgt Ion: 43 Resp: 258861
Ion Ratio Lower Upper
43 100
58 26.6 21.7 32.5





#19
Isopropyl Alcohol
Concen: 5.260 ppbv
RT: 3.973 min Scan# 301
Delta R.T. 0.023 min
Lab File: VL038455.D
Acq: 1 Mar 2022 17:50

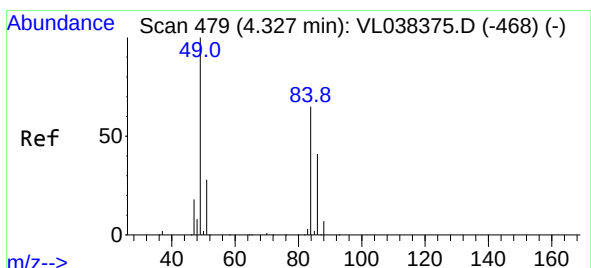
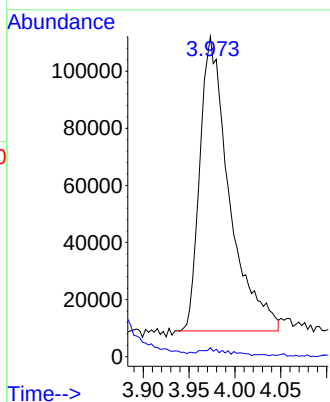
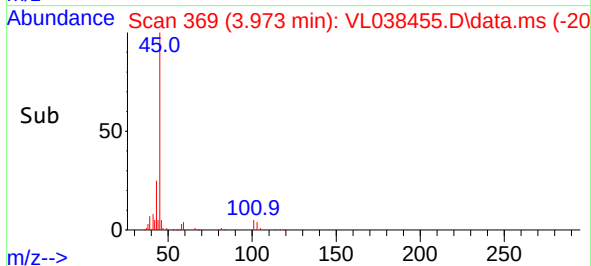
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 45 Resp: 230180
Ion Ratio Lower Upper
45 100
58 3.2 1.8 2.8

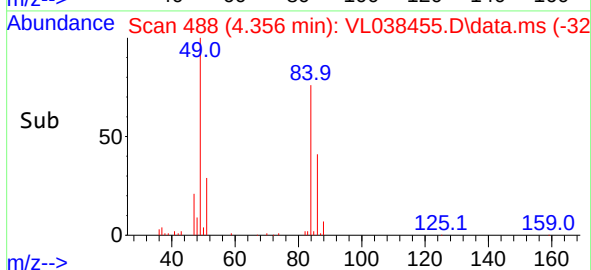
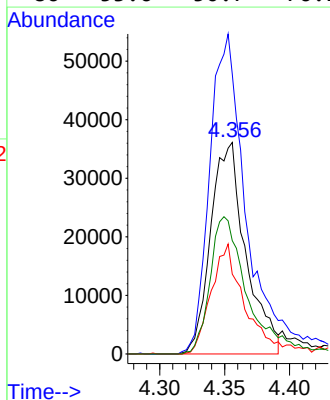
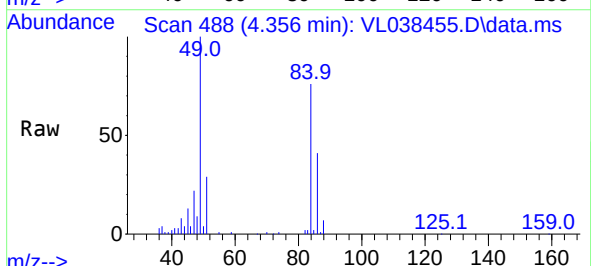
Manual Integrations
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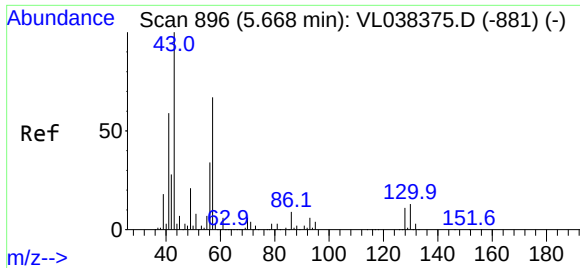
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#20
Methylene Chloride
Concen: 1.817 ppbv
RT: 4.356 min Scan# 488
Delta R.T. 0.029 min
Lab File: VL038455.D
Acq: 1 Mar 2022 17:50

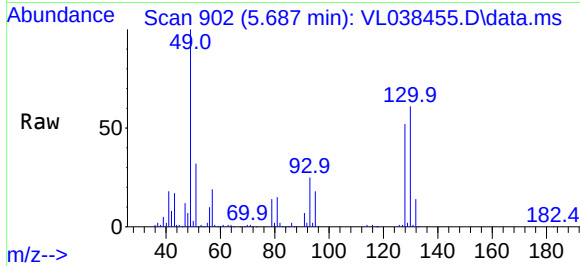
Tgt Ion: 84 Resp: 68045
Ion Ratio Lower Upper
84 100
49 132.3 122.4 183.6
51 37.8 33.3 49.9
86 53.6 50.7 76.1





#26
Hexane
Concen: 0.871 ppbv m
RT: 5.687 min Scan# 902
Delta R.T. 0.019 min
Lab File: VL038455.D
Acq: 1 Mar 2022 17:50

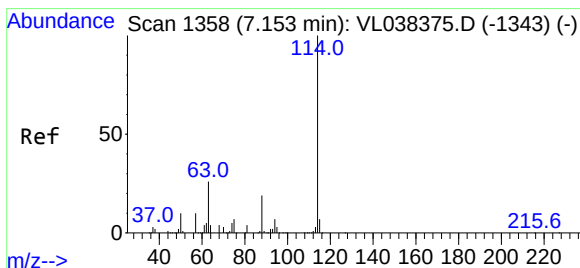
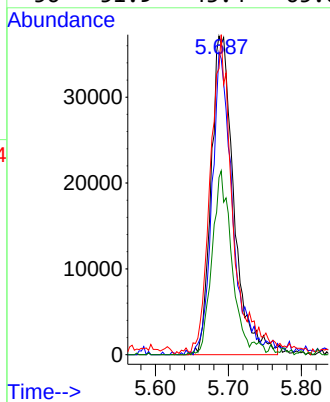
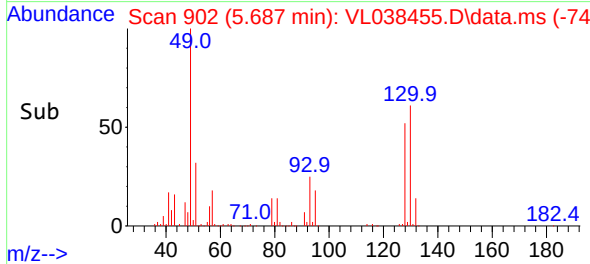
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 57 Resp: 80100
Ion Ratio Lower Upper
57 100
41 87.5 73.1 109.7
43 102.5 181.0 271.4
56 51.9 43.4 65.0

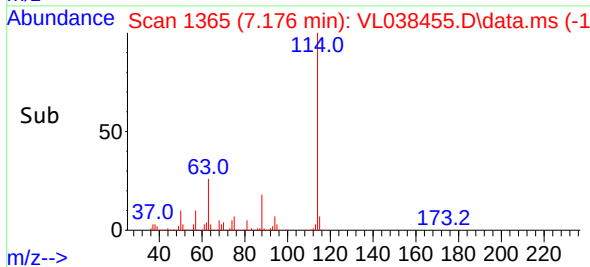
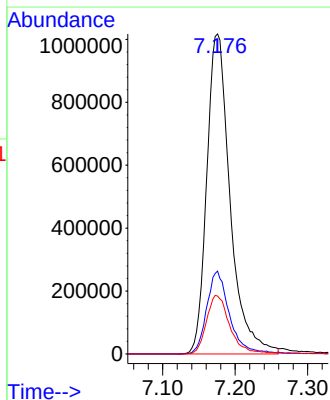
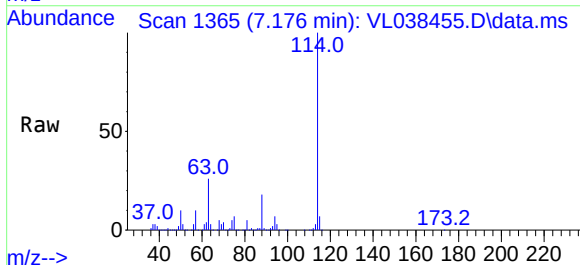
Manual Integrations
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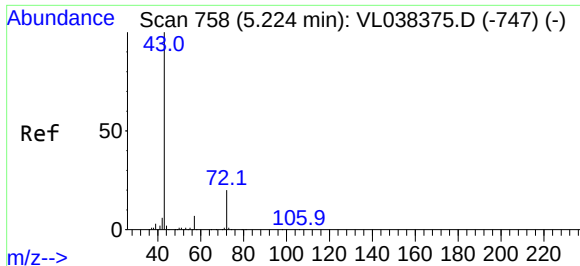
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.176 min Scan# 1365
Delta R.T. 0.023 min
Lab File: VL038455.D
Acq: 1 Mar 2022 17:50

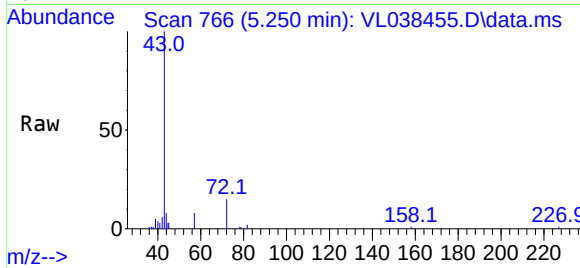
Tgt Ion:114 Resp: 2278843
Ion Ratio Lower Upper
114 100
63 25.4 22.2 33.2
88 18.5 15.2 22.8





#34
2-Butanone
Concen: 0.453 ppbv
RT: 5.250 min Scan# 70
Delta R.T. 0.026 min
Lab File: VL038455.D
Acq: 1 Mar 2022 17:50

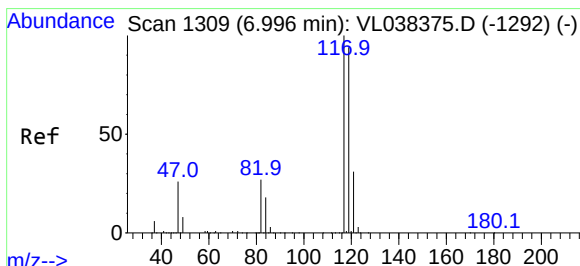
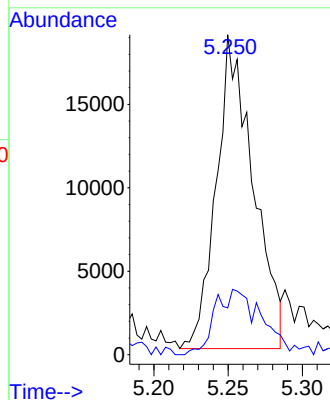
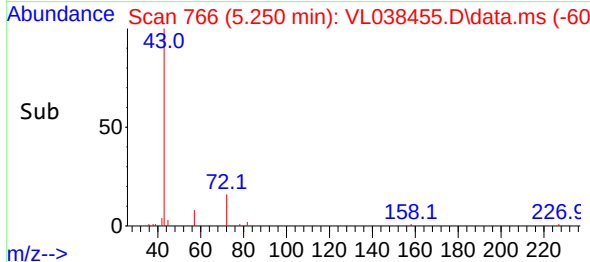
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 32490
Ion Ratio Lower Upper
43 100
72 29.0 17.4 26.2

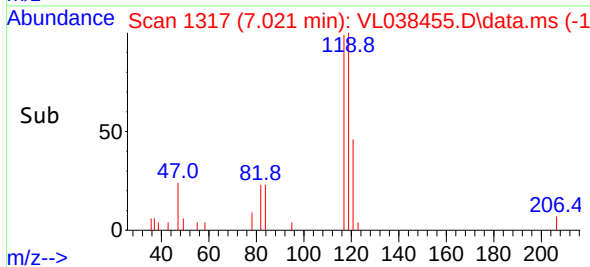
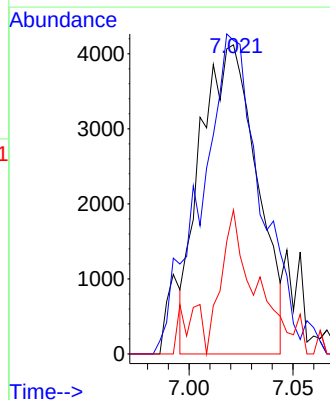
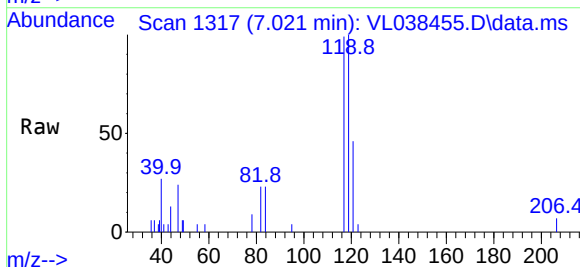
Manual Integrations
APPROVED

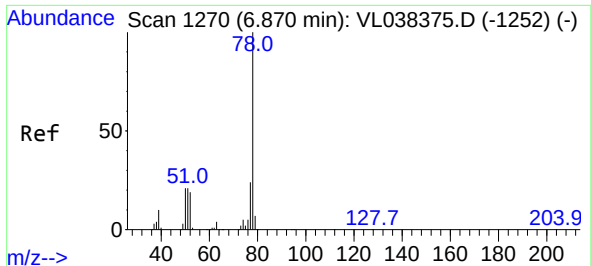
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#35
Carbon Tetrachloride
Concen: 0.049 ppbv
RT: 7.021 min Scan# 1317
Delta R.T. 0.026 min
Lab File: VL038455.D
Acq: 1 Mar 2022 17:50

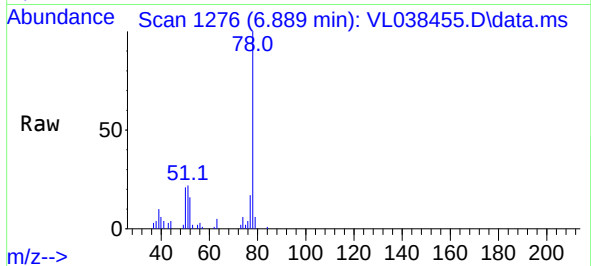
Tgt Ion:117 Resp: 7826
Ion Ratio Lower Upper
117 100
119 91.3 74.9 112.3
121 43.4 24.8 37.2





#36
Benzene
Concen: 0.226 ppbv
RT: 6.889 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL038455.D
Acq: 1 Mar 2022 17:50

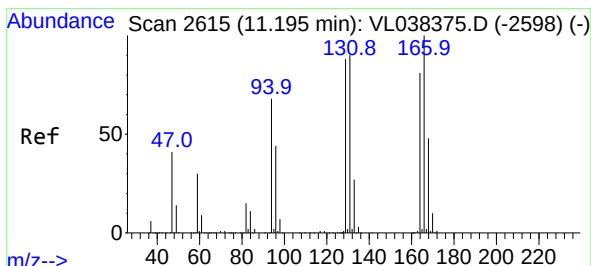
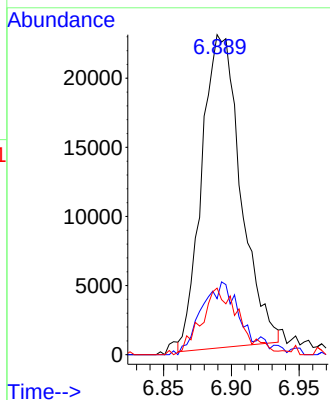
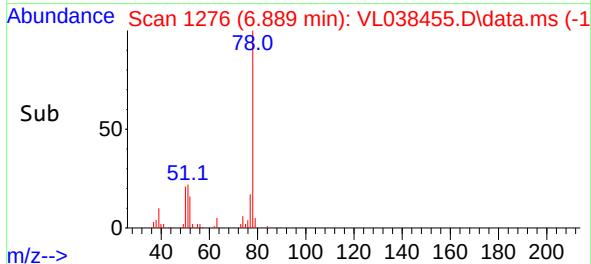
Instrument :
MSVOA_L
ClientSampleId :
IA1



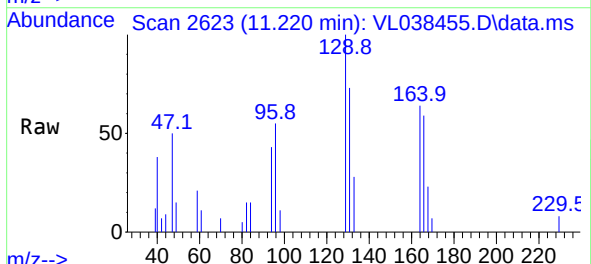
Tgt Ion: 78 Resp: 45349
Ion Ratio Lower Upper
78 100
77 18.2 19.0 28.6
50 20.9 16.6 24.8

Manual Integrations
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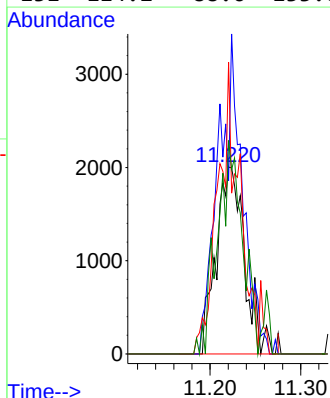
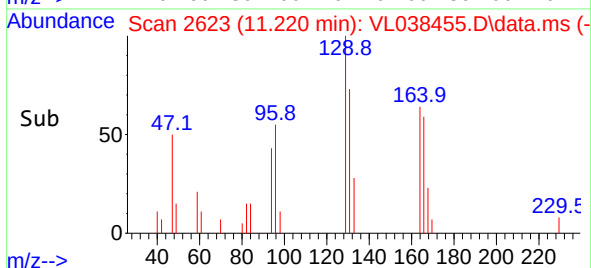
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

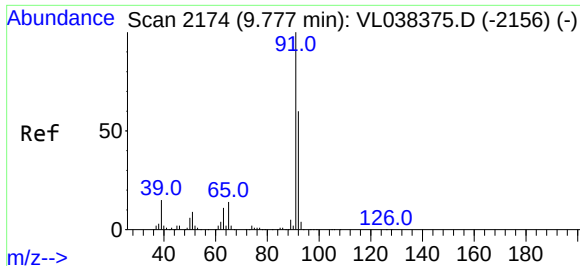


#52
Tetrachloroethene
Concen: 0.066 ppbv m
RT: 11.220 min Scan# 2623
Delta R.T. 0.026 min
Lab File: VL038455.D
Acq: 1 Mar 2022 17:50



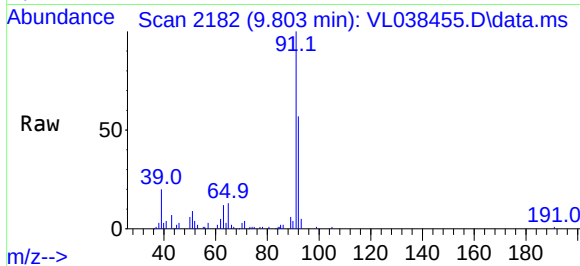
Tgt Ion:164 Resp: 4391
Ion Ratio Lower Upper
164 100
166 92.7 98.6 148.0#
129 156.1 86.9 130.3#
131 114.2 88.6 133.0





#53
Toluene
Concen: 0.369 ppbv m
RT: 9.803 min Scan# 2174
Delta R.T. 0.026 min
Lab File: VL038455.D
Acq: 1 Mar 2022 17:50

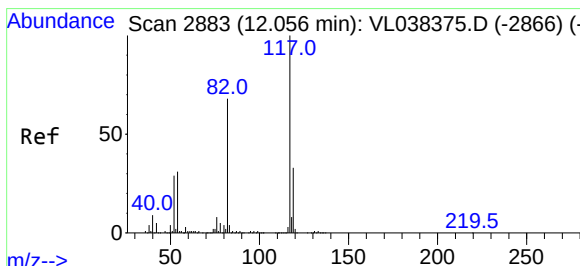
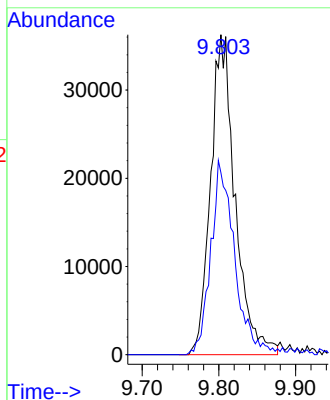
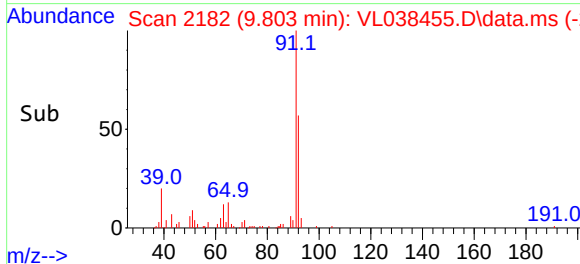
Instrument :
MSVOA_L
ClientSampleId :
IA1



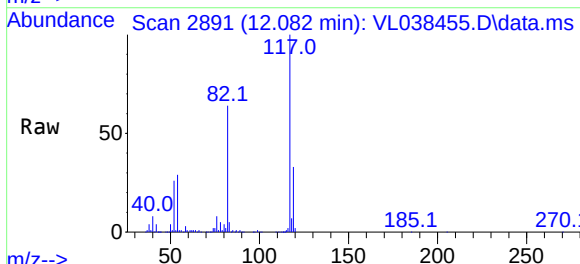
Tgt Ion: 91 Resp: 8043
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.4

Manual Integrations
APPROVED

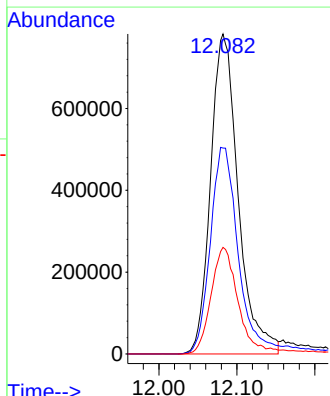
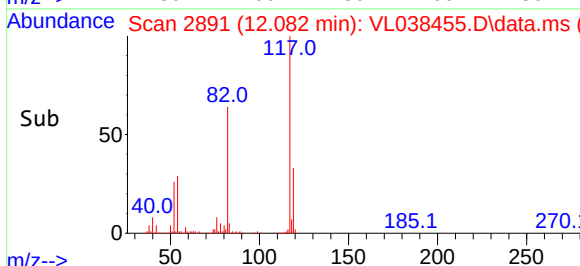
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

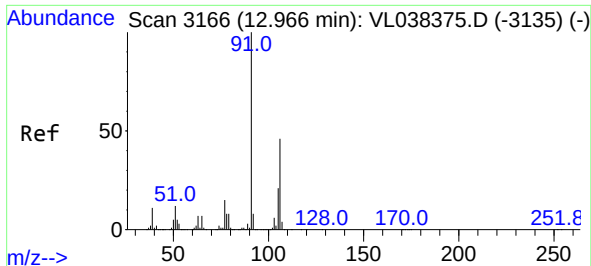


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.082 min Scan# 2891
Delta R.T. 0.026 min
Lab File: VL038455.D
Acq: 1 Mar 2022 17:50



Tgt Ion:117 Resp: 1926352
Ion Ratio Lower Upper
117 100
82 70.5 54.9 82.3
119 34.2 46.1 69.1





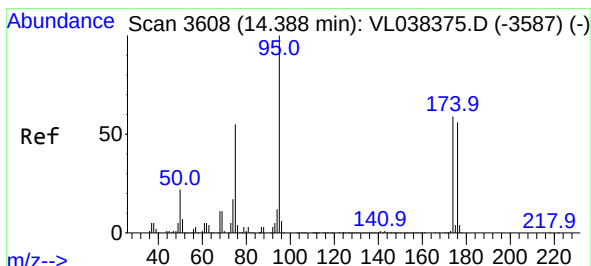
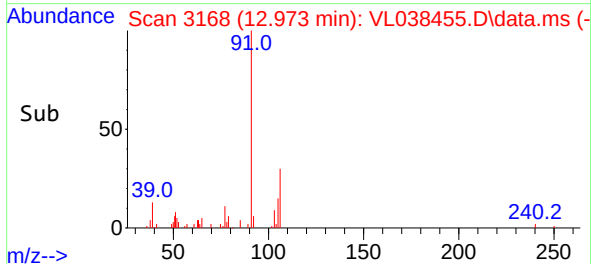
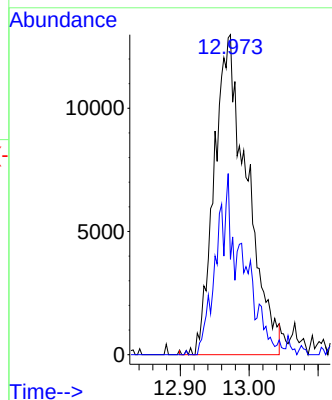
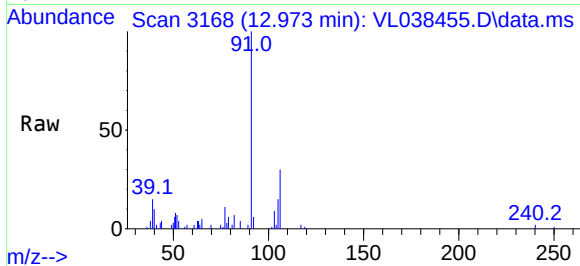
#59
m/p-Xylene
Concen: 0.189 ppbv m
RT: 12.973 min Scan# 3166
Delta R.T. 0.006 min
Lab File: VL038455.D
Acq: 1 Mar 2022 17:50

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 4284
Ion Ratio Lower Upper
91 100
106 0.0 34.4 51.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 8.787 ppbv
RT: 14.410 min Scan# 3615
Delta R.T. 0.023 min
Lab File: VL038455.D
Acq: 1 Mar 2022 17:50

Tgt Ion: 95 Resp: 1400506
Ion Ratio Lower Upper
95 100
174 68.4 49.0 73.4
175 5.0 3.6 5.4

