

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030122\
 Data File : VL038456.D
 Acq On : 1 Mar 2022 18:31
 Operator : SY/AP
 Sample : N1720-02DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Manual Integrations
 APPROVED

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

Quant Time: Mar 02 03:07:36 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	5.671	49	856528	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.176	114	2179476	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.085	117	1828345	10.000	ppbv	# 0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.413	95	1359778	8.988	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.900%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.057	85	29638	0.218	ppbv	94
3) Chlorodifluoromethane	2.996	51	49880m	0.330	ppbv	
4) Chloromethane	3.150	50	29627	0.564	ppbv	95
9) Propene	3.028	41	36710	0.735	ppbv	86
11) Trichlorofluoromethane	3.960	101	28152	0.217	ppbv #	83
13) Ethanol	3.607	45	1084121	217.531	ppbv	92
15) Acetone	3.857	43	242918	3.335	ppbv	97
19) Isopropyl Alcohol	3.973	45	208011	4.932	ppbv #	95
20) Methylene Chloride	4.353	84	79194	2.194	ppbv	99
26) Hexane	5.690	57	79662	0.899	ppbv #	51
34) 2-Butanone	5.259	43	37454m	0.546	ppbv	
35) Carbon Tetrachloride	7.021	117	8946m	0.058	ppbv	
36) Benzene	6.889	78	42900	0.224	ppbv #	90
52) Tetrachloroethene	11.230	164	4835m	0.076	ppbv	
53) Toluene	9.809	91	77112m	0.370	ppbv	
59) m/p-Xylene	12.966	91	39309m	0.183	ppbv	

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

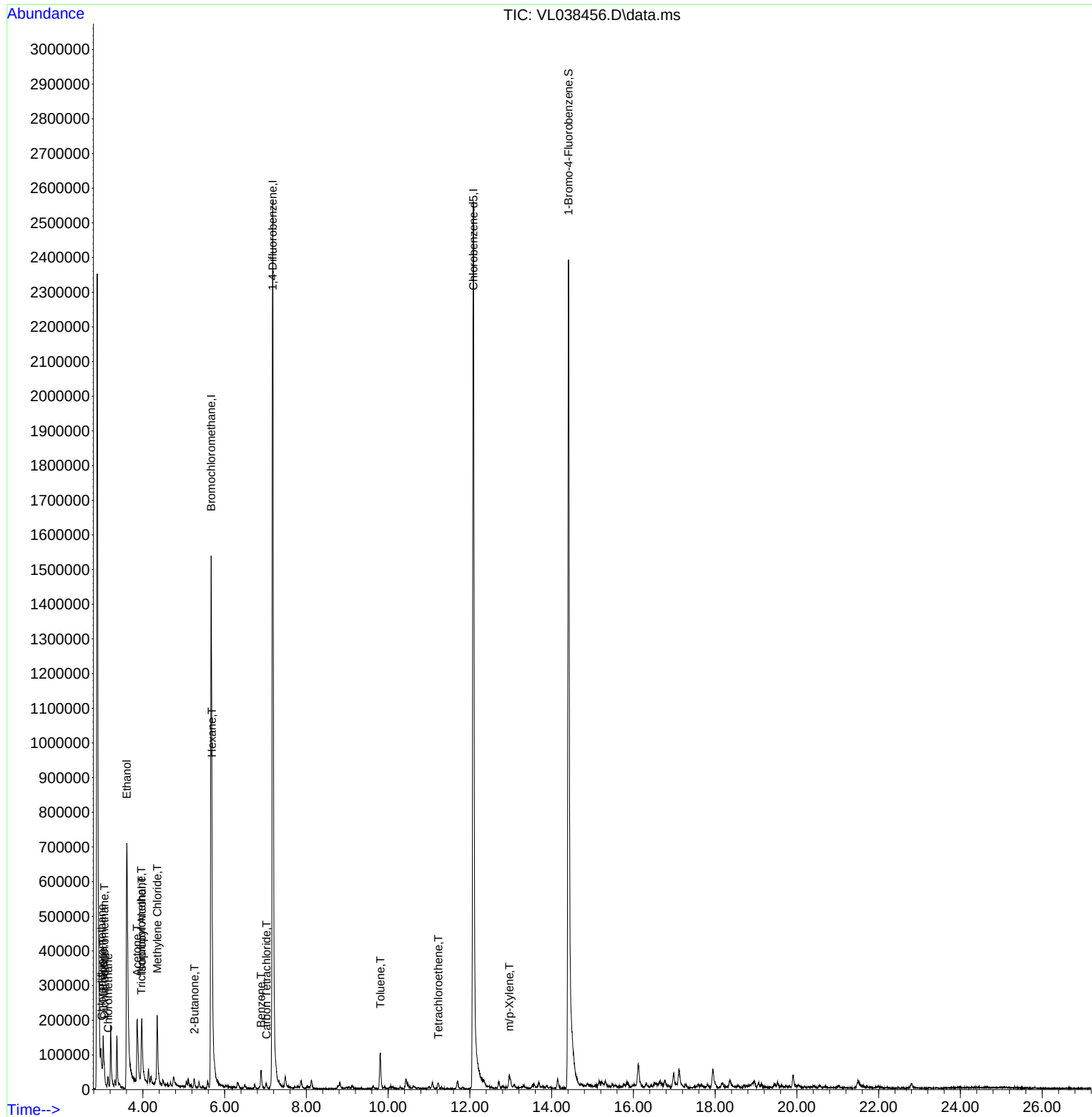
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030122\
Data File : VL038456.D
Acq On : 1 Mar 2022 18:31
Operator : SY/AP
Sample : N1720-02DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

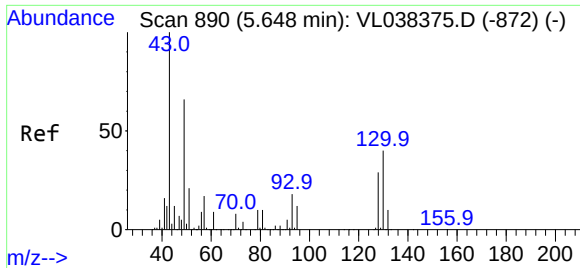
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Quant Time: Mar 02 03:07:36 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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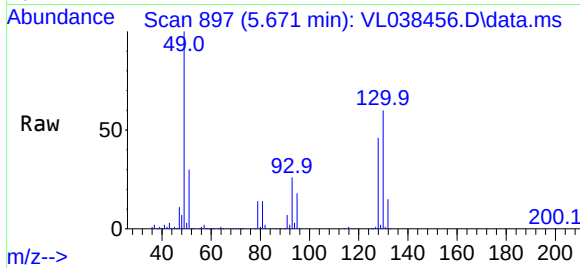
Reviewed By : Semsettin Yesilyurt 03/02/2022
Supervised By : Mahesh Dadoda 03/02/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 84
Delta R.T. 0.023 min
Lab File: VL038456.D
Acq: 1 Mar 2022 18:31

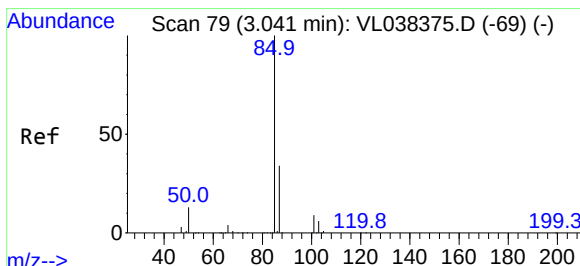
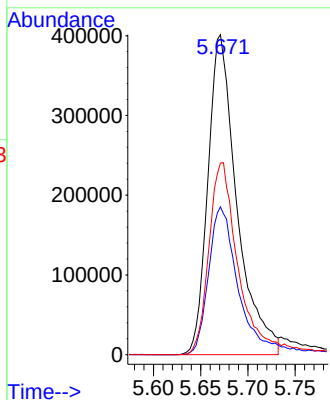
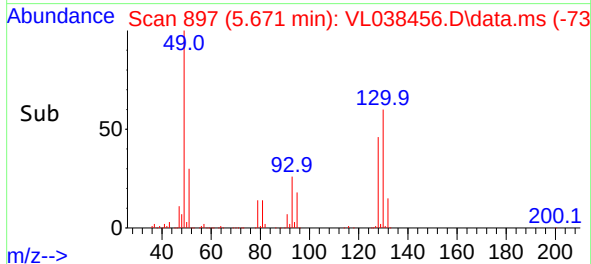
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 49 Resp: 856528
Ion Ratio Lower Upper
49 100
128 49.7 24.3 72.9
130 63.9 30.1 90.5

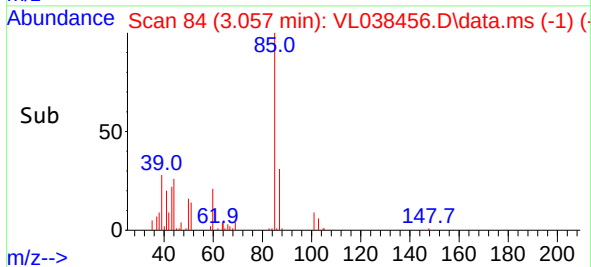
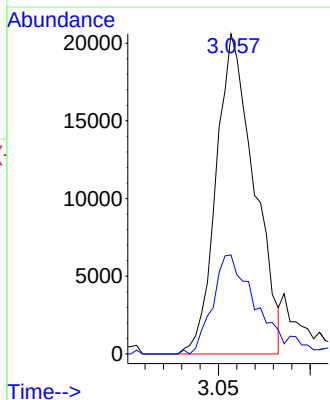
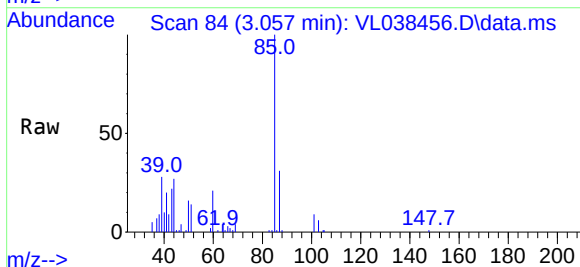
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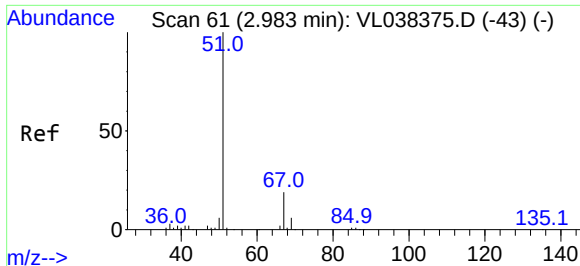
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#2
Dichlorodifluoromethane
Concen: 0.218 ppbv
RT: 3.057 min Scan# 84
Delta R.T. 0.016 min
Lab File: VL038456.D
Acq: 1 Mar 2022 18:31

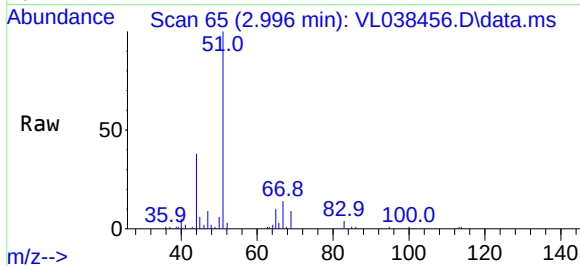
Tgt Ion: 85 Resp: 29638
Ion Ratio Lower Upper
85 100
87 31.0 27.4 41.0





#3
Chlorodifluoromethane
Concen: 0.330 ppbv m
RT: 2.996 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL038456.D
Acq: 1 Mar 2022 18:31

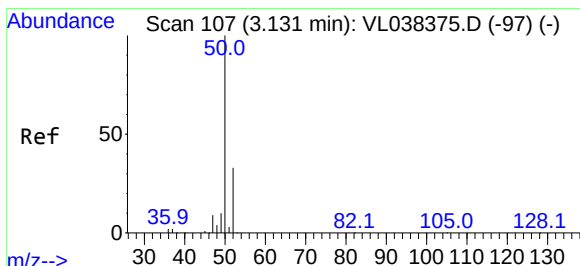
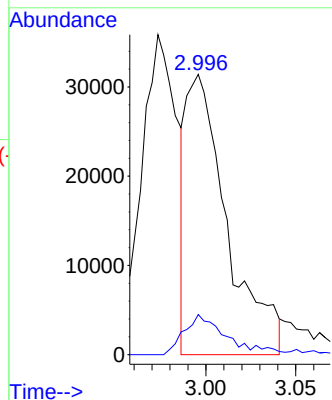
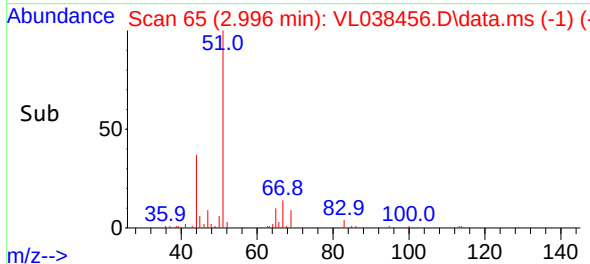
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 51 Resp: 49880
Ion Ratio Lower Upper
51 100
67 16.0 14.7 22.1

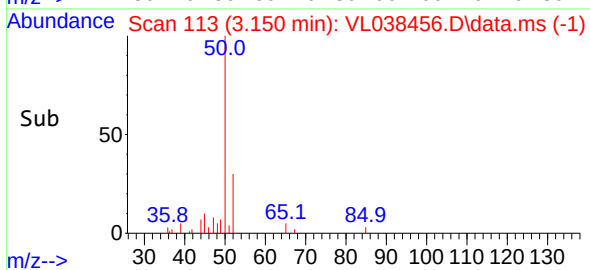
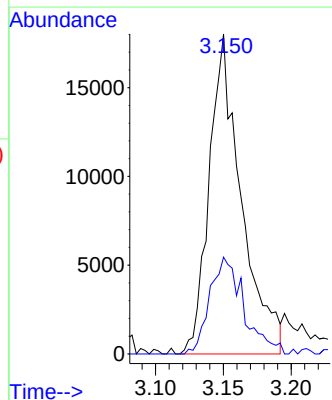
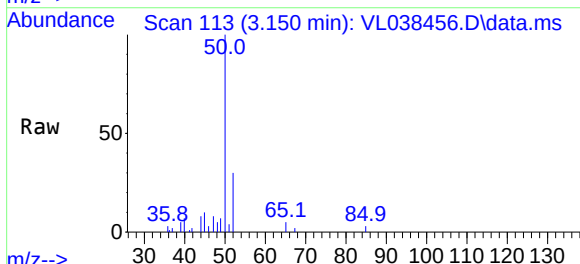
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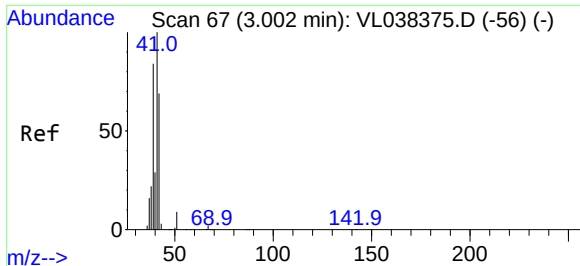
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#4
Chloromethane
Concen: 0.564 ppbv
RT: 3.150 min Scan# 113
Delta R.T. 0.019 min
Lab File: VL038456.D
Acq: 1 Mar 2022 18:31

Tgt Ion: 50 Resp: 29627
Ion Ratio Lower Upper
50 100
52 30.2 26.5 39.7





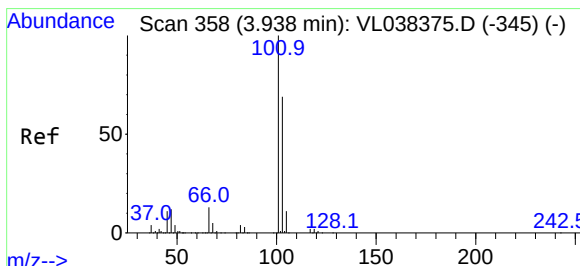
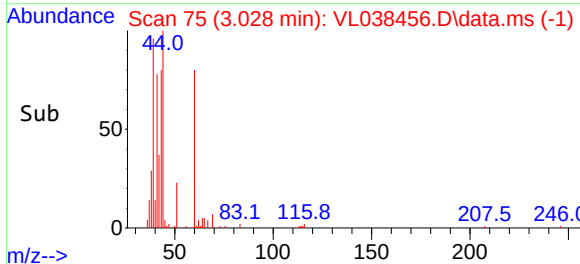
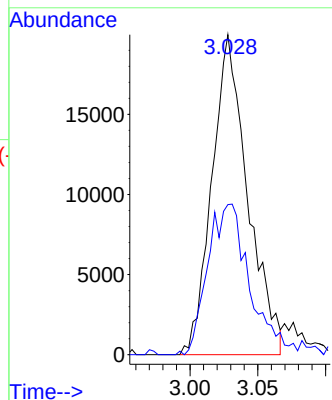
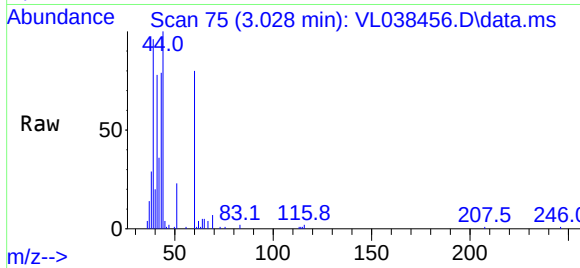
#9
Propene
Concen: 0.735 ppbv
RT: 3.028 min Scan# 70
Delta R.T. 0.026 min
Lab File: VL038456.D
Acq: 1 Mar 2022 18:31

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 41 Resp: 36710
Ion Ratio Lower Upper
41 100
42 56.6 54.6 82.0

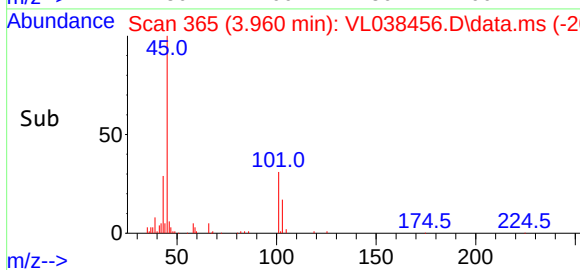
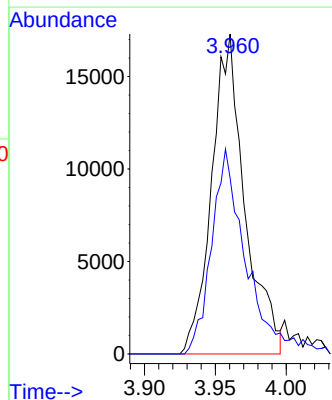
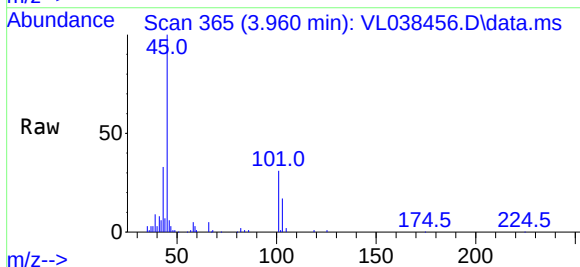
Manual Integrations
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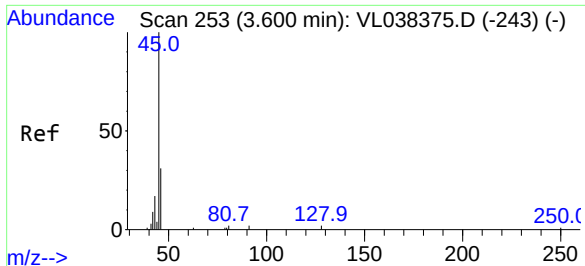
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#11
Trichlorofluoromethane
Concen: 0.217 ppbv
RT: 3.960 min Scan# 365
Delta R.T. 0.023 min
Lab File: VL038456.D
Acq: 1 Mar 2022 18:31

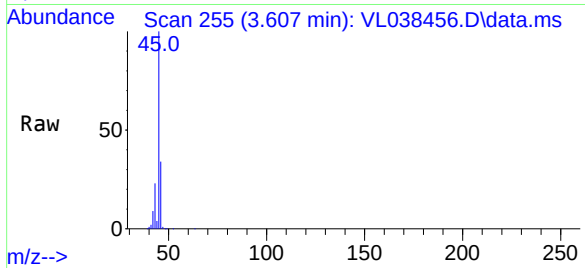
Tgt Ion:101 Resp: 28152
Ion Ratio Lower Upper
101 100
103 54.9 55.0 82.4#





#13
Ethanol
Concen: 217.531 ppbv
RT: 3.607 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL038456.D
Acq: 1 Mar 2022 18:31

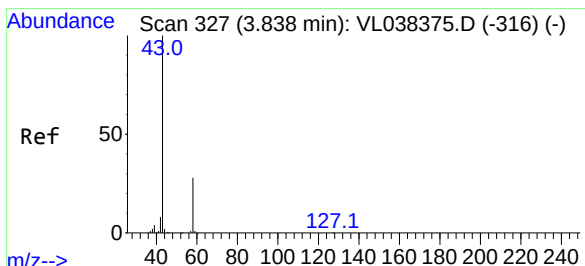
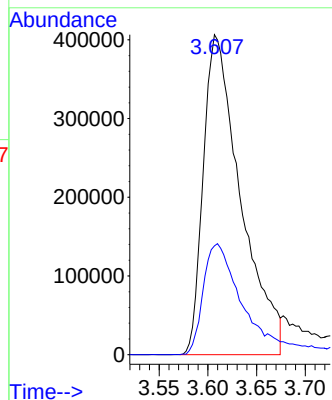
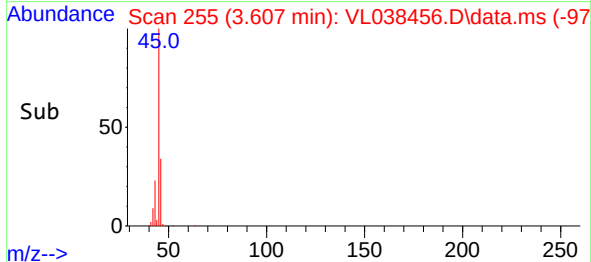
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



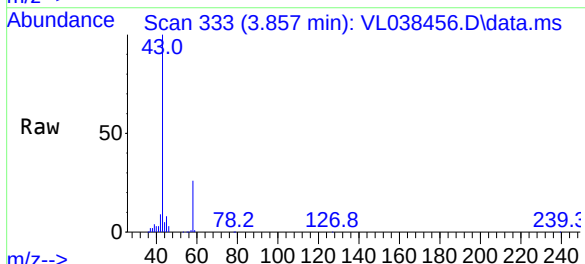
Tgt Ion: 45 Resp: 108412
Ion Ratio Lower Upper
45 100
46 40.1 18.2 72.8

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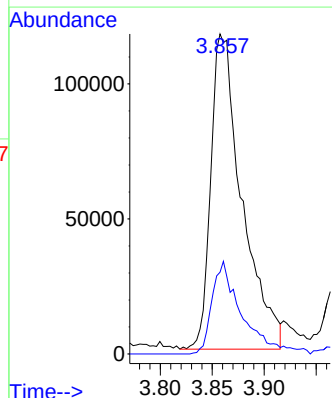
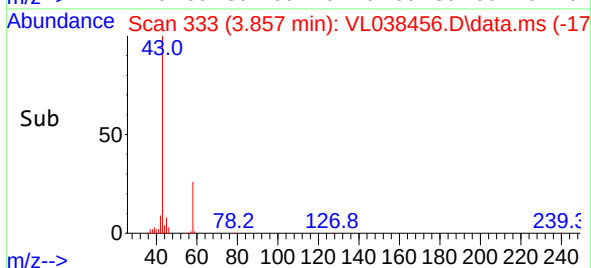
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

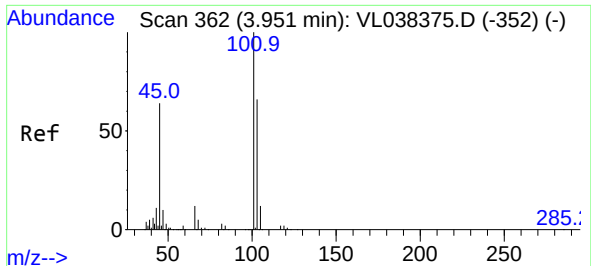


#15
Acetone
Concen: 3.335 ppbv
RT: 3.857 min Scan# 333
Delta R.T. 0.019 min
Lab File: VL038456.D
Acq: 1 Mar 2022 18:31



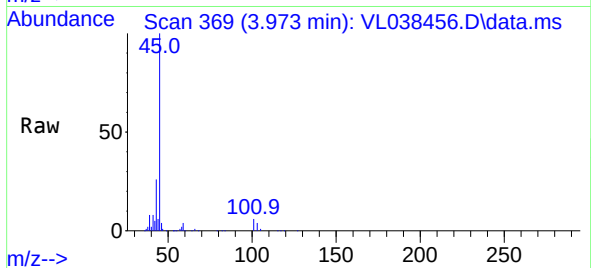
Tgt Ion: 43 Resp: 242918
Ion Ratio Lower Upper
43 100
58 28.4 21.7 32.5





#19
Isopropyl Alcohol
Concen: 4.932 ppbv
RT: 3.973 min Scan# 369
Delta R.T. 0.023 min
Lab File: VL038456.D
Acq: 1 Mar 2022 18:31

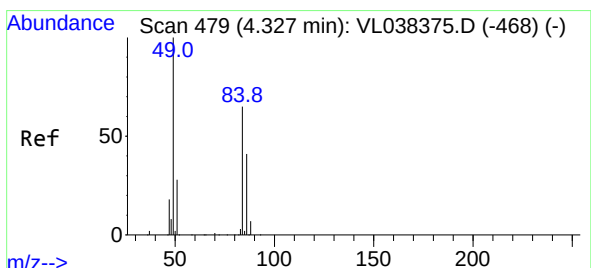
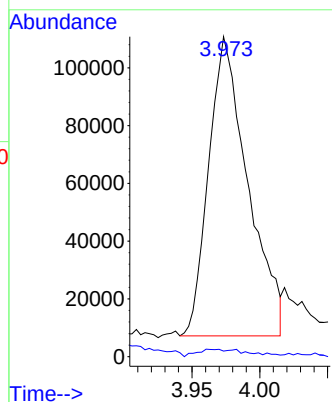
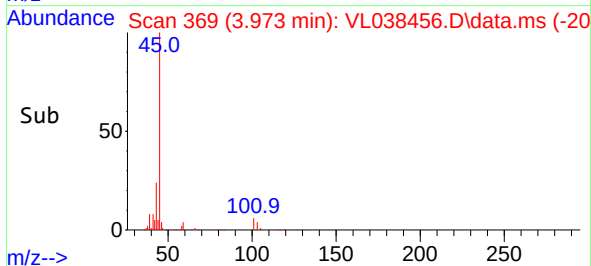
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 45 Resp: 20801
Ion Ratio Lower Upper
45 100
58 3.9 1.8 2.8

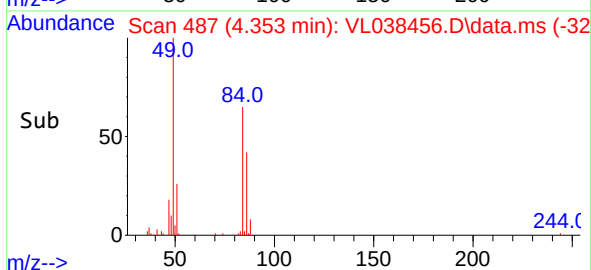
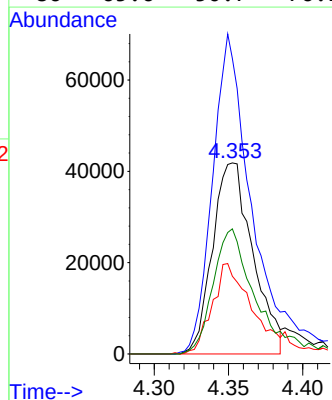
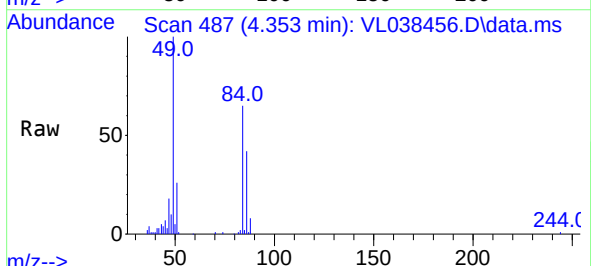
Manual Integrations
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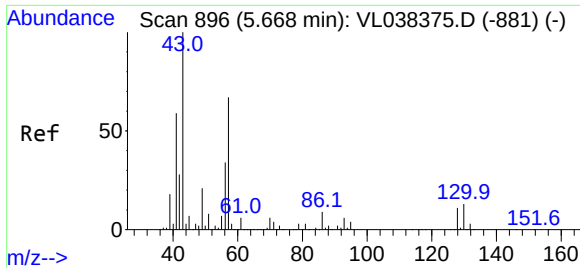
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#20
Methylene Chloride
Concen: 2.194 ppbv
RT: 4.353 min Scan# 487
Delta R.T. 0.026 min
Lab File: VL038456.D
Acq: 1 Mar 2022 18:31

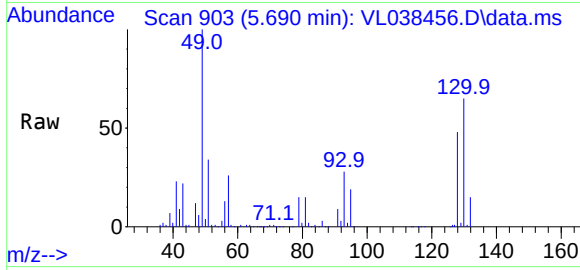
Tgt Ion: 84 Resp: 79194
Ion Ratio Lower Upper
84 100
49 153.8 122.4 183.6
51 41.6 33.3 49.9
86 65.6 50.7 76.1





#26
Hexane
Concen: 0.899 ppbv
RT: 5.690 min Scan# 90
Delta R.T. 0.023 min
Lab File: VL038456.D
Acq: 1 Mar 2022 18:31

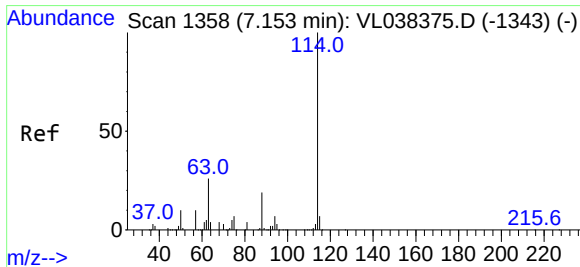
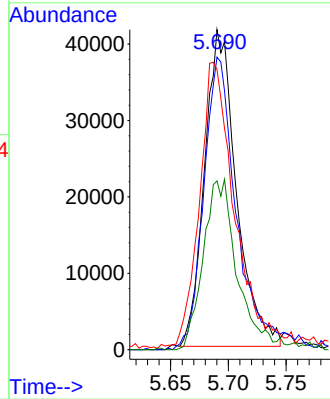
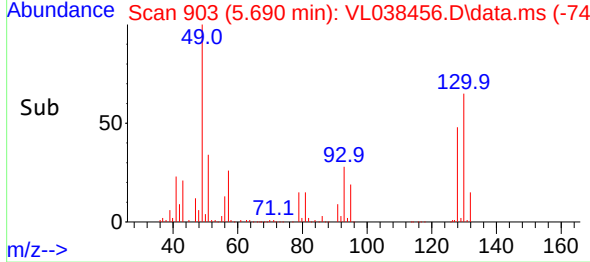
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 57 Resp: 79662
Ion Ratio Lower Upper
57 100
41 97.2 73.1 109.7
43 100.8 181.0 271.4
56 58.8 43.4 65.0

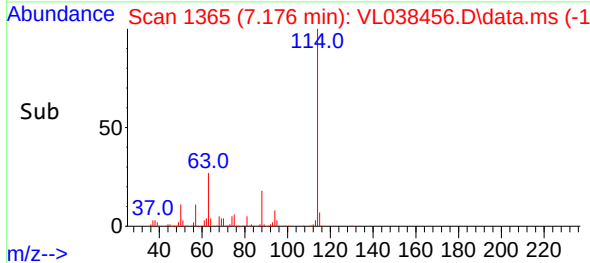
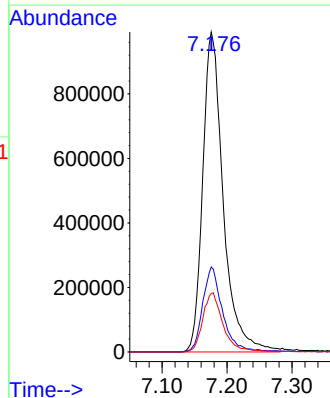
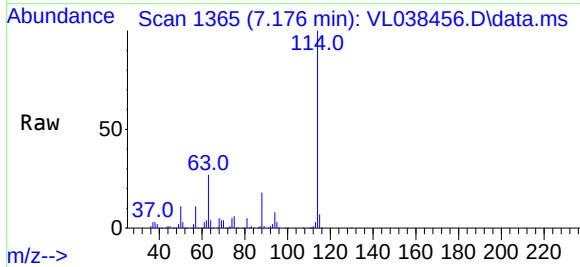
Manual Integrations
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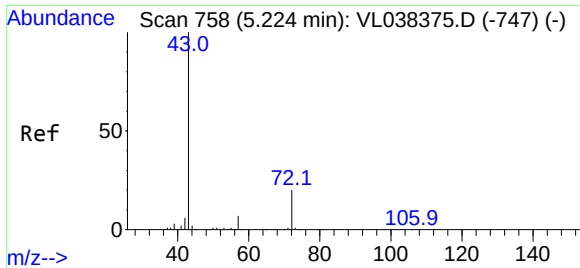
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.176 min Scan# 1365
Delta R.T. 0.023 min
Lab File: VL038456.D
Acq: 1 Mar 2022 18:31

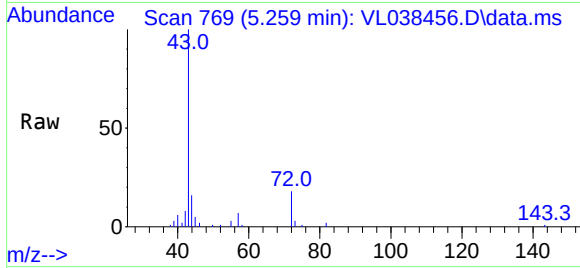
Tgt Ion:114 Resp: 2179476
Ion Ratio Lower Upper
114 100
63 26.2 22.2 33.2
88 18.4 15.2 22.8





#34
2-Butanone
Concen: 0.546 ppbv m
RT: 5.259 min Scan# 71
Delta R.T. 0.035 min
Lab File: VL038456.D
Acq: 1 Mar 2022 18:31

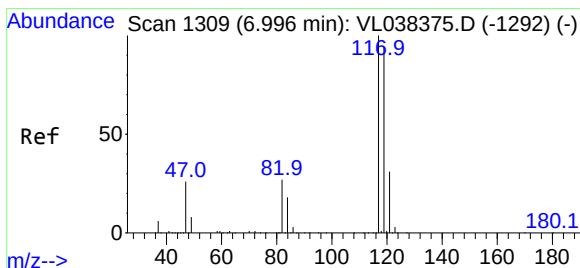
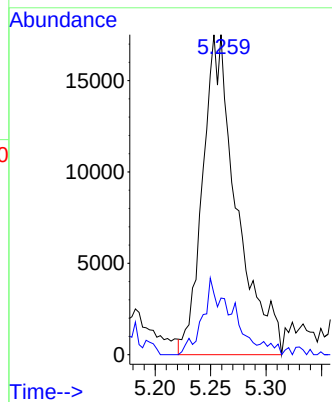
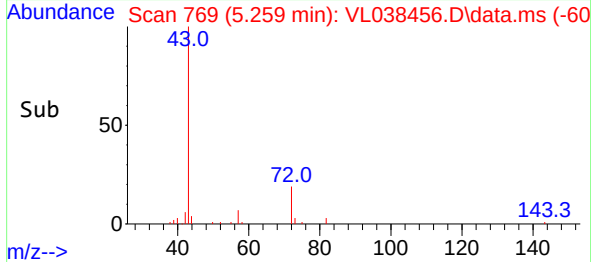
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 43 Resp: 37454
Ion Ratio Lower Upper
43 100
72 22.6 17.4 26.2

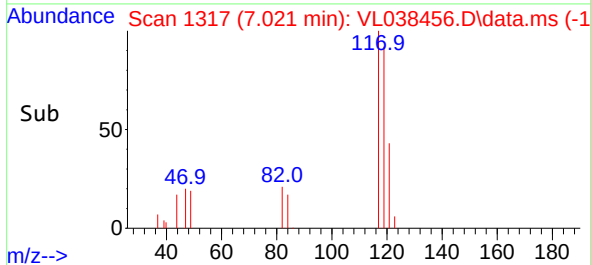
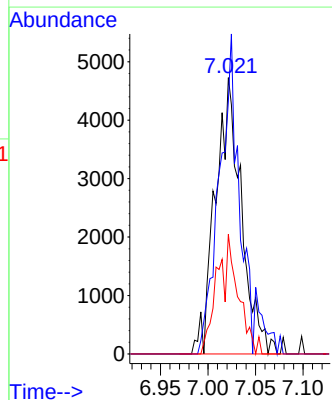
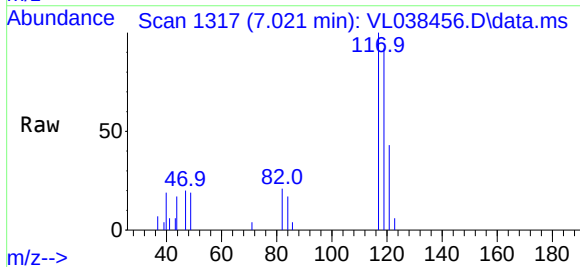
Manual Integrations
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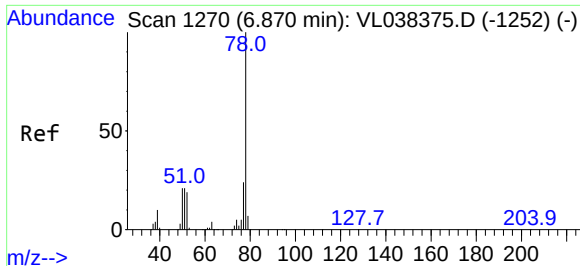
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#35
Carbon Tetrachloride
Concen: 0.058 ppbv m
RT: 7.021 min Scan# 1317
Delta R.T. 0.026 min
Lab File: VL038456.D
Acq: 1 Mar 2022 18:31

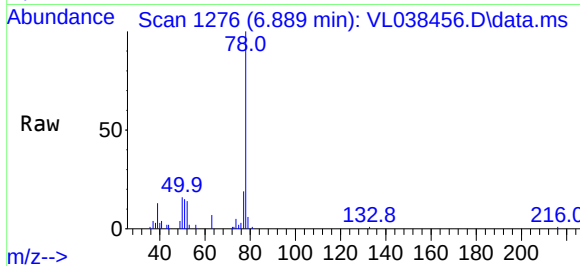
Tgt Ion:117 Resp: 8946
Ion Ratio Lower Upper
117 100
119 91.6 74.9 112.3
121 43.3 24.8 37.2#





#36
Benzene
Concen: 0.224 ppbv
RT: 6.889 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL038456.D
Acq: 1 Mar 2022 18:31

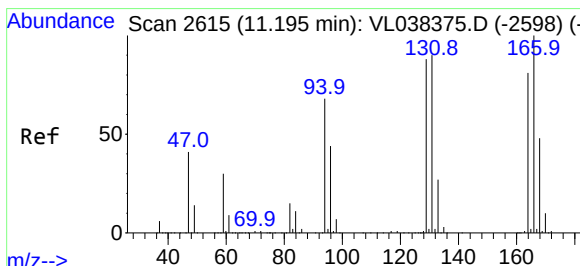
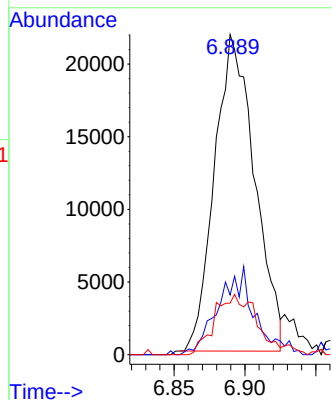
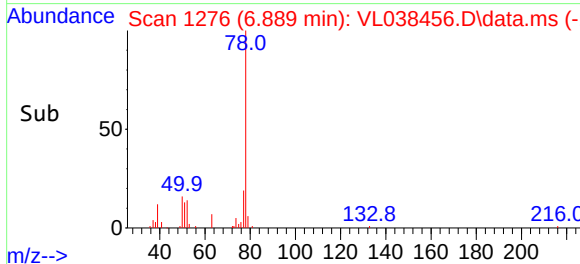
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



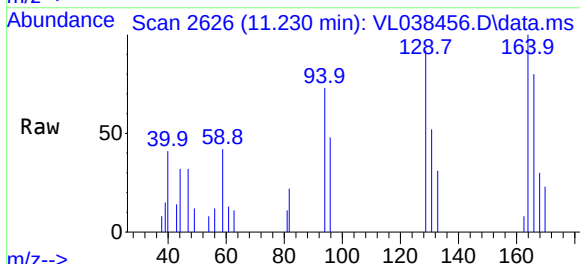
Tgt Ion: 78 Resp: 42900
Ion Ratio Lower Upper
78 100
77 18.9 19.0 28.6
50 16.3 16.6 24.8

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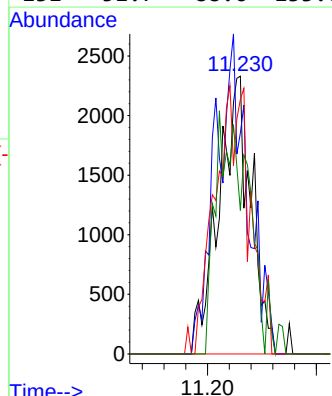
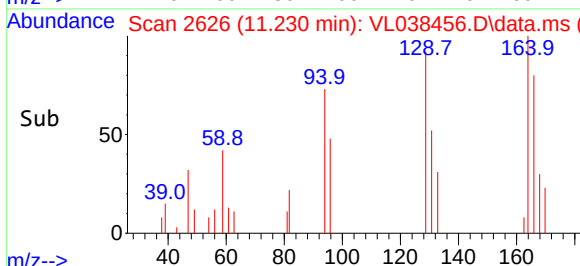
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

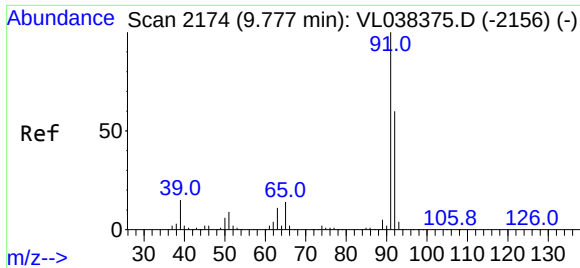


#52
Tetrachloroethene
Concen: 0.076 ppbv m
RT: 11.230 min Scan# 2626
Delta R.T. 0.035 min
Lab File: VL038456.D
Acq: 1 Mar 2022 18:31



Tgt Ion:164 Resp: 4835
Ion Ratio Lower Upper
164 100
166 79.6 98.6 148.0#
129 91.7 86.9 130.3
131 51.7 88.6 133.0#





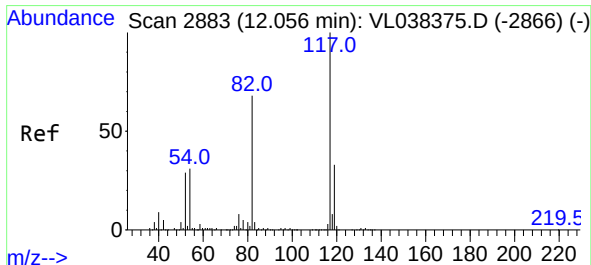
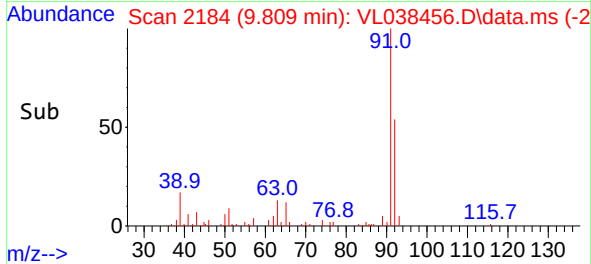
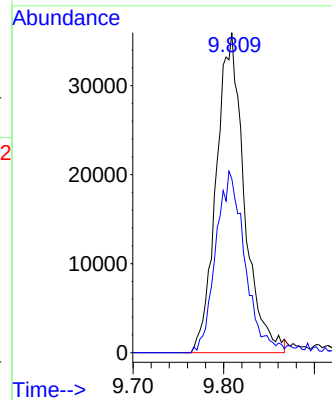
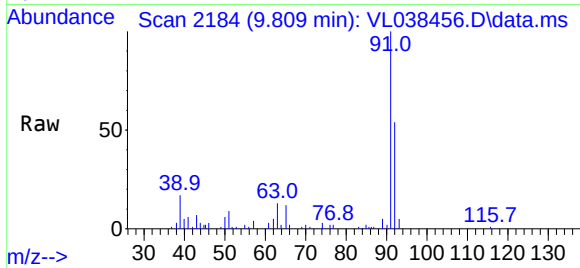
#53
Toluene
Concen: 0.370 ppbv m
RT: 9.809 min Scan# 2174
Delta R.T. 0.032 min
Lab File: VL038456.D
Acq: 1 Mar 2022 18:31

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 91 Resp: 77112
Ion Ratio Lower Upper
91 100
92 60.5 48.2 72.4

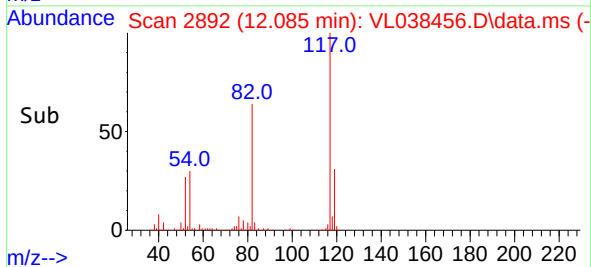
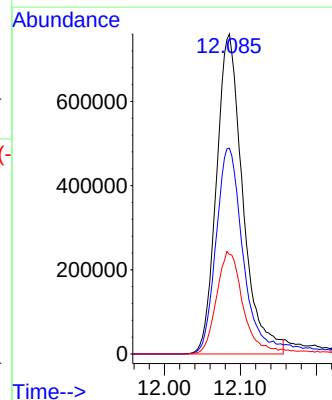
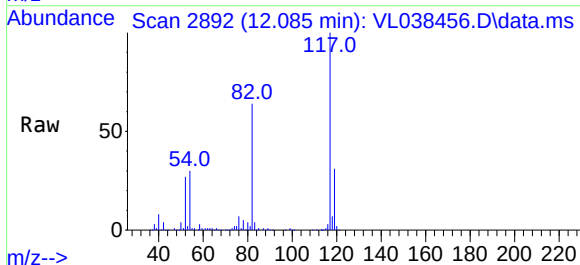
Manual Integrations
APPROVED

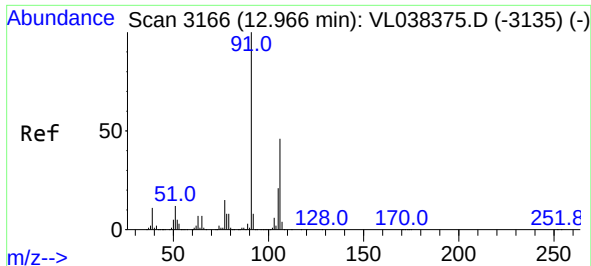
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.085 min Scan# 2892
Delta R.T. 0.029 min
Lab File: VL038456.D
Acq: 1 Mar 2022 18:31

Tgt Ion:117 Resp: 1828345
Ion Ratio Lower Upper
117 100
82 70.7 54.9 82.3
119 34.0 46.1 69.1#





#59

m/p-Xylene

Concen: 0.183 ppbv m

RT: 12.966 min Scan# 3166

Delta R.T. 0.000 min

Lab File: VL038456.D

Acq: 1 Mar 2022 18:31

Instrument :

MSVOA_L

ClientSampleId :

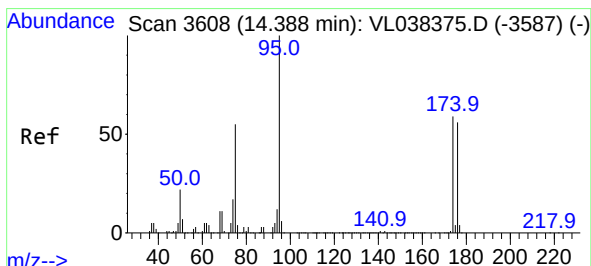
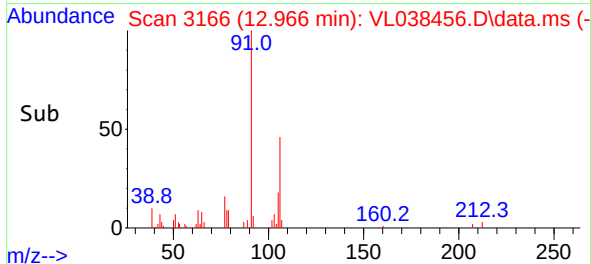
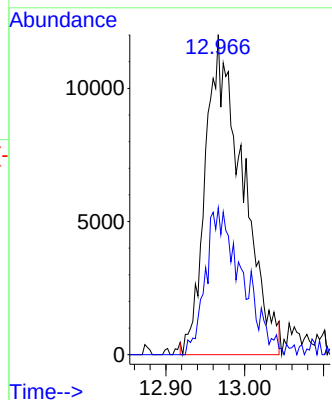
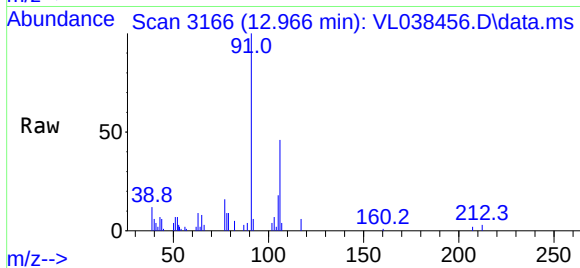
IA1DUP

Tgt Ion: 91 Resp: 39309
 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: 8.988 ppbv

RT: 14.413 min Scan# 3616

Delta R.T. 0.026 min

Lab File: VL038456.D

Acq: 1 Mar 2022 18:31

Tgt Ion: 95 Resp: 1359778
 Ion Ratio Lower Upper
 95 100
 174 66.7 49.0 73.4
 175 4.7 3.6 5.4

