

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032822\
 Data File : VL038786.D
 Acq On : 29 Mar 2022 00:59
 Operator : SY/AP
 Sample : N2136-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/29/2022
 Supervised By :Mahesh Dadoda 03/29/2022

Quant Time: Mar 29 06:14:35 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 29 2022

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.661	49	756858	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.166	114	1938033	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.073	117	1679605	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.400	95	1303958	10.126	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.300%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.054	85	71773	0.705	ppbv	93
3) Chlorodifluoromethane	2.989	51	44479m	0.556	ppbv	
4) Chloromethane	3.144	50	21572m	0.492	ppbv	
9) Propene	3.025	41	37822m	0.980	ppbv	
11) Trichlorofluoromethane	3.951	101	27298	0.304	ppbv	93
13) Ethanol	3.603	45	4028954	946.411	ppbv	98
15) Acetone	3.851	43	300103	4.595	ppbv	96
17) tert-Butyl alcohol	4.304	59	12519m	0.219	ppbv	
19) Isopropyl Alcohol	3.970	45	813207	22.459	ppbv	98
20) Methylene Chloride	4.346	84	66846	2.430	ppbv	98
26) Hexane	5.684	57	48977m	0.665	ppbv	
29) Chloroform	5.745	83	54704	0.464	ppbv	96
34) 2-Butanone	5.247	43	19070	0.249	ppbv #	86
35) Carbon Tetrachloride	7.005	117	7652m	0.068	ppbv	
36) Benzene	6.886	78	36253	0.242	ppbv #	90
52) Tetrachloroethene	11.214	164	4087m	0.075	ppbv	
53) Toluene	9.796	91	83369	0.519	ppbv	100
59) m/p-Xylene	12.954	91	22461m	0.131	ppbv	
69) p-Isopropyltoluene	17.642	119	44536m	0.173	ppbv	

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

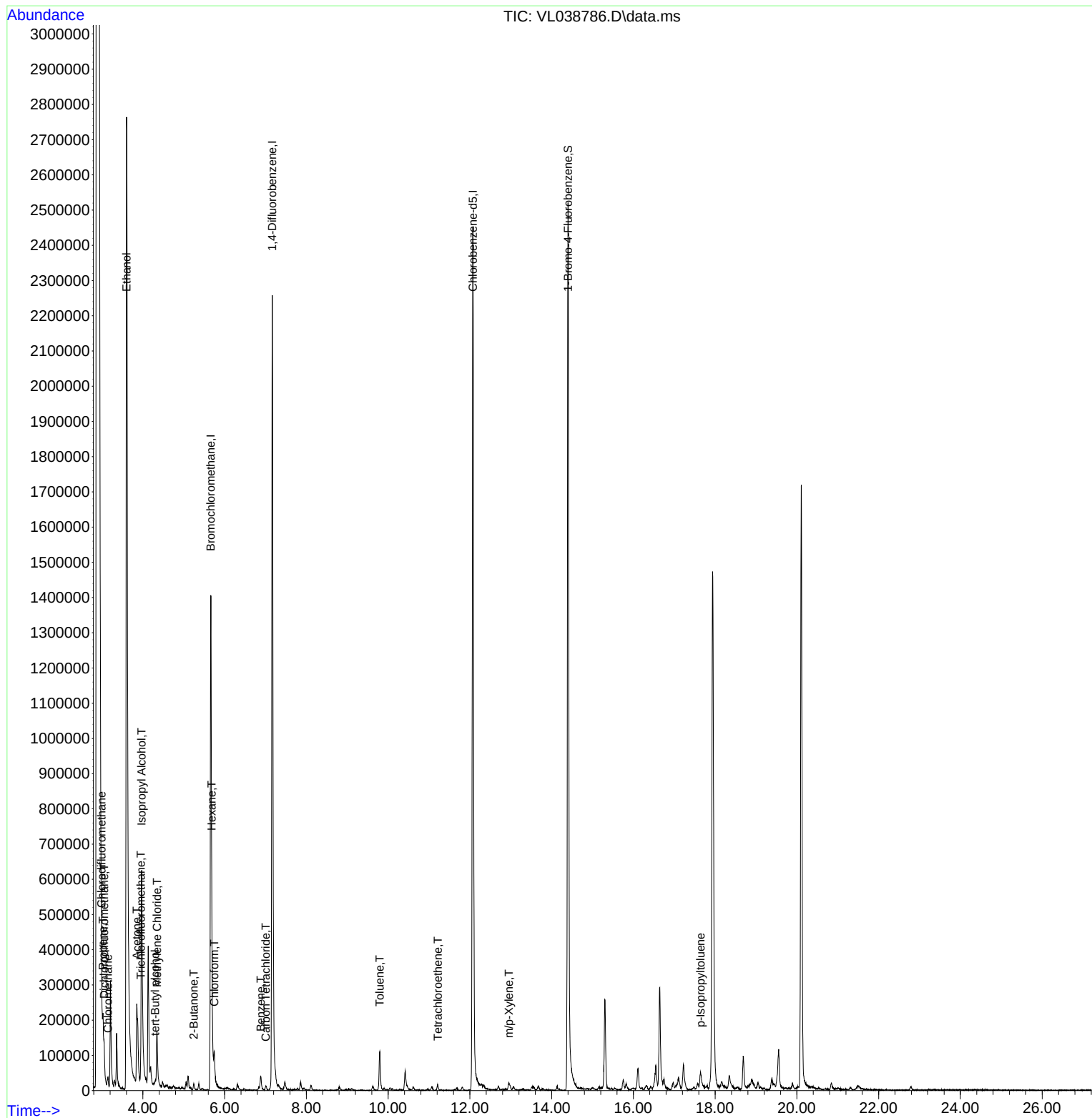
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032822\
Data File : VL038786.D
Acq On : 29 Mar 2022 00:59
Operator : SY/AP
Sample : N2136-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

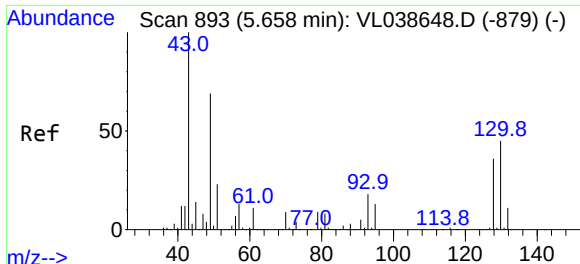
Instrument :
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IA1

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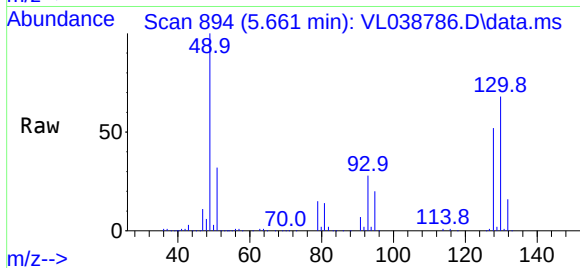
Quant Time: Mar 29 06:14:35 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.661 min Scan# 894
Delta R.T. 0.003 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

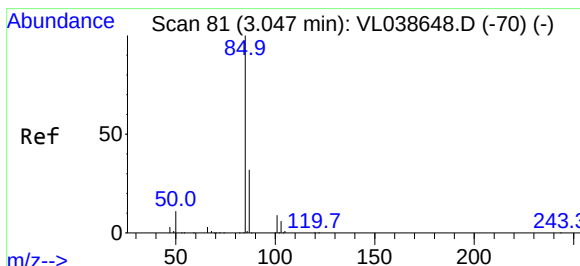
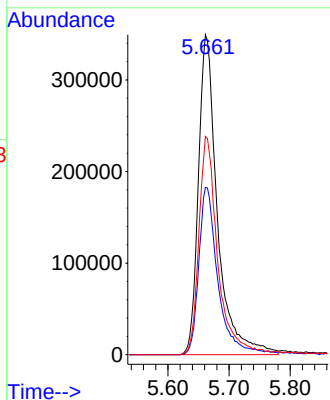
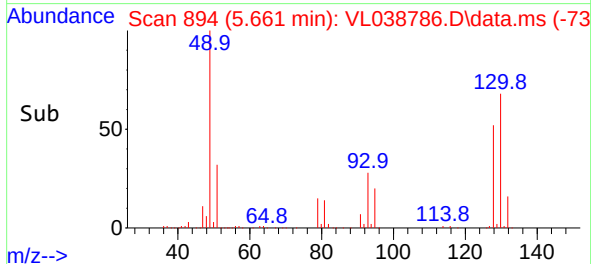
Instrument :
MSVOA_L
ClientSampleId :
IA1



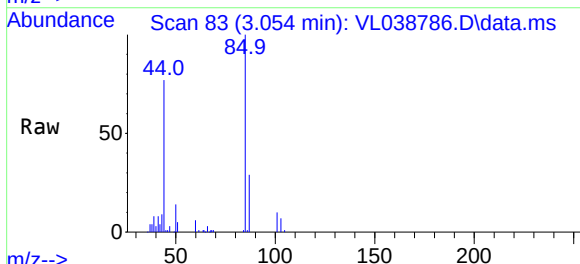
Tgt Ion: 49 Resp: 75685
Ion Ratio Lower Upper
49 100
128 53.7 26.2 78.6
130 69.1 33.7 101.1

Manual Integrations
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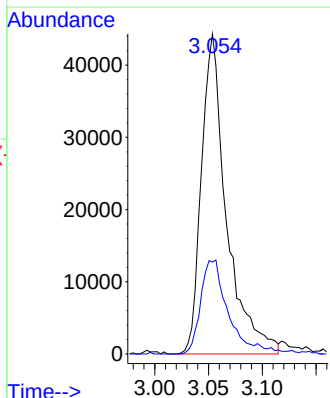
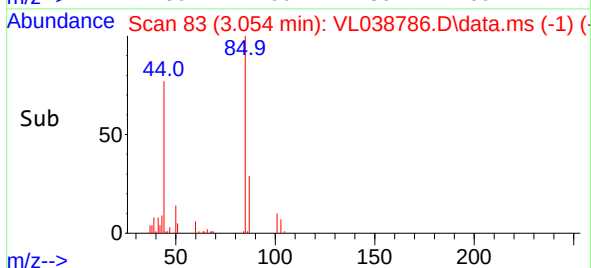
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022

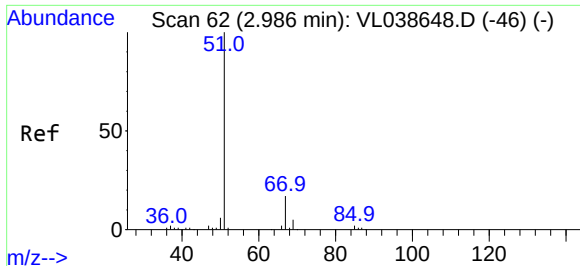


#2
Dichlorodifluoromethane
Concen: 0.705 ppbv
RT: 3.054 min Scan# 83
Delta R.T. 0.006 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59



Tgt Ion: 85 Resp: 71773
Ion Ratio Lower Upper
85 100
87 28.7 26.0 39.0





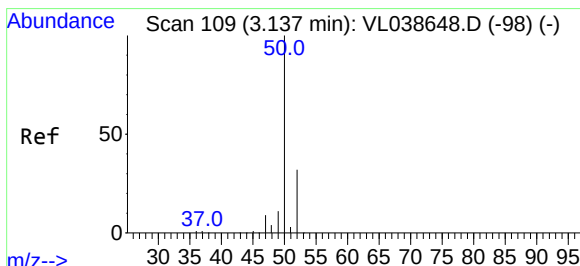
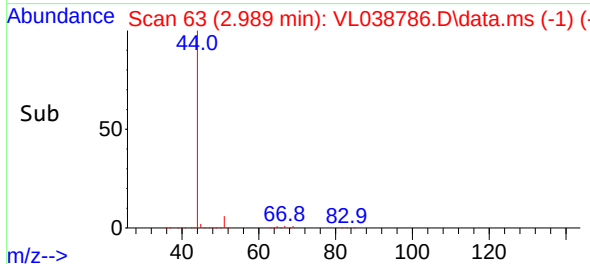
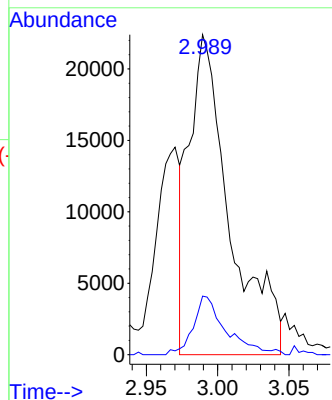
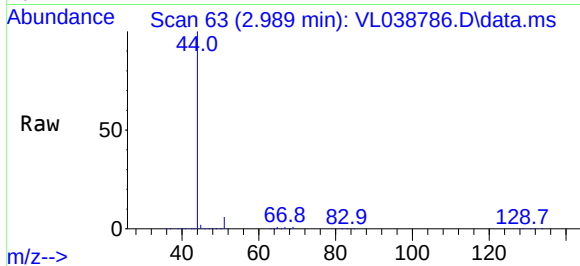
#3
Chlorodifluoromethane
Concen: 0.556 ppbv m
RT: 2.989 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 51 Resp: 44479
Ion Ratio Lower Upper
51 100
67 15.3 14.1 21.1

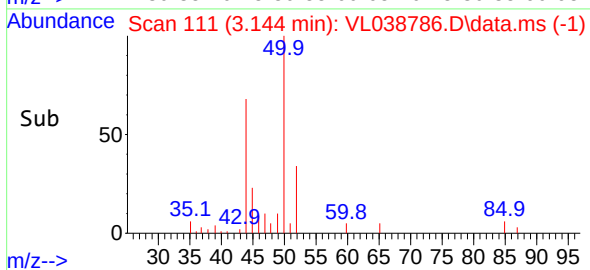
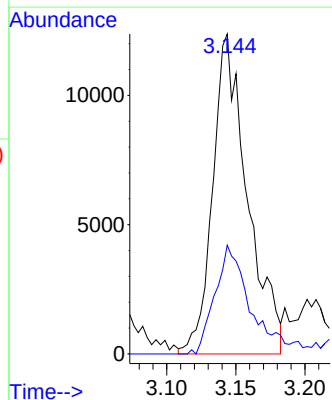
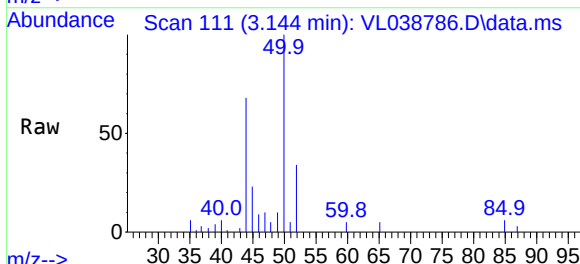
Manual Integrations
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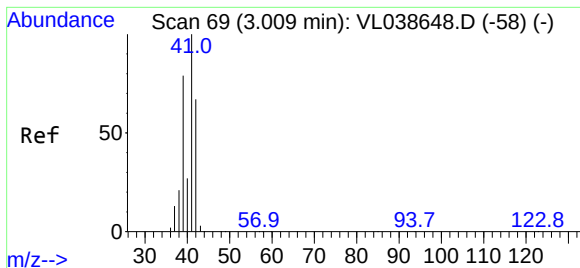
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#4
Chloromethane
Concen: 0.492 ppbv m
RT: 3.144 min Scan# 111
Delta R.T. 0.006 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

Tgt Ion: 50 Resp: 21572
Ion Ratio Lower Upper
50 100
52 34.0 25.5 38.3





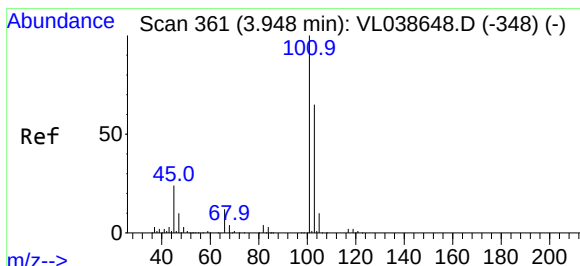
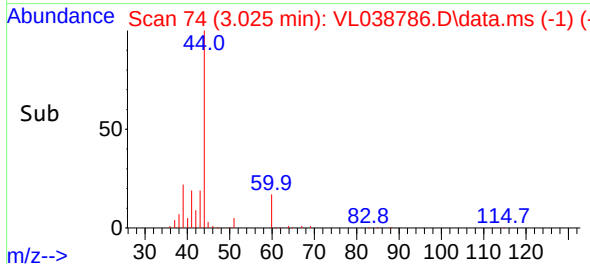
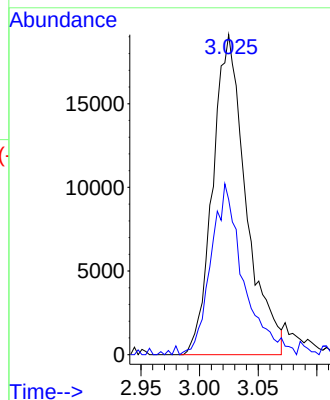
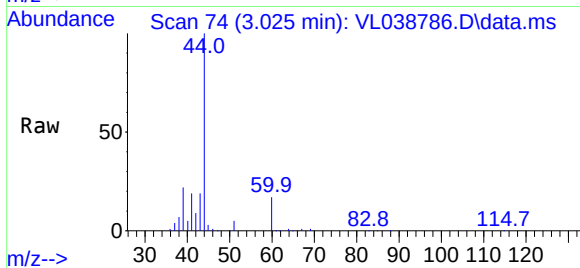
#9
Propene
Concen: 0.980 ppbv m
RT: 3.025 min Scan# 74
Delta R.T. 0.016 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 41 Resp: 3782
Ion Ratio Lower Upper
41 100
42 179.6 56.2 84.4

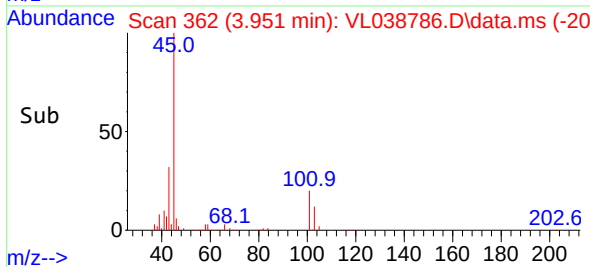
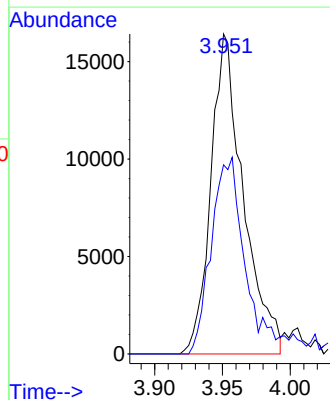
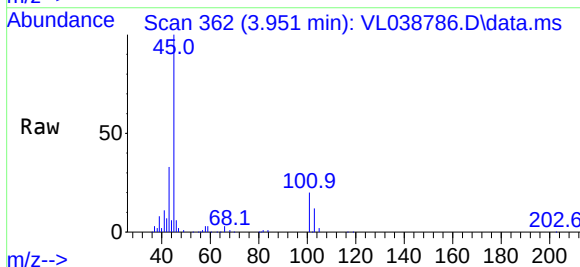
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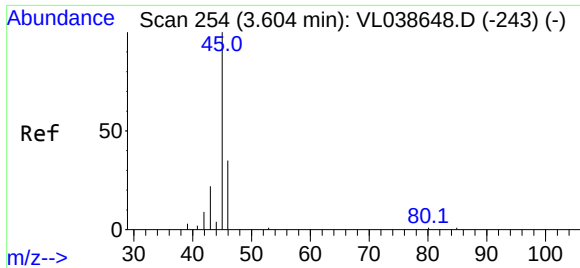
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#11
Trichlorofluoromethane
Concen: 0.304 ppbv
RT: 3.951 min Scan# 362
Delta R.T. 0.003 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

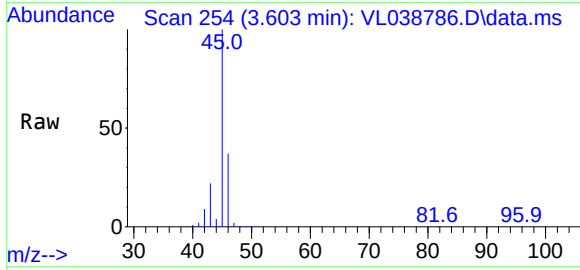
Tgt Ion:101 Resp: 27298
Ion Ratio Lower Upper
101 100
103 59.1 51.9 77.9





#13
Ethanol
Concen: 946.411 ppbv
RT: 3.603 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

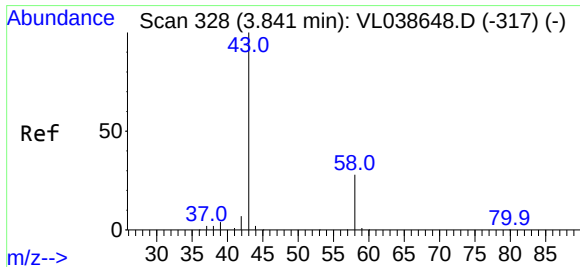
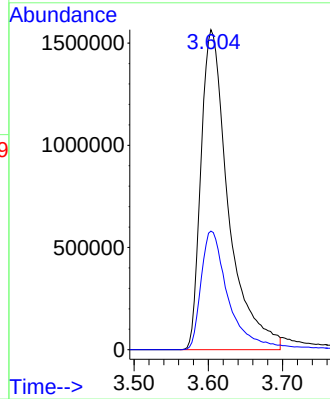
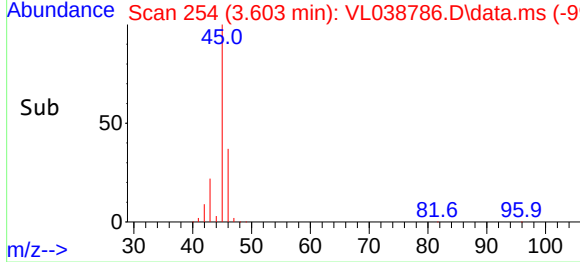
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 45 Resp: 4028954
Ion Ratio Lower Upper
45 100
46 38.8 15.1 60.5

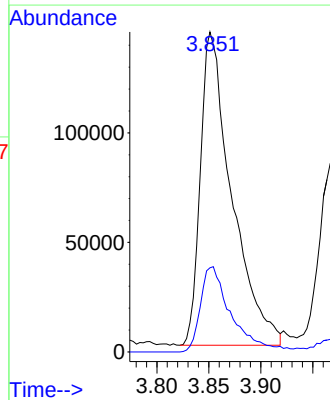
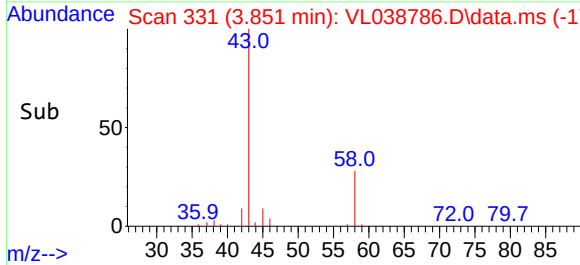
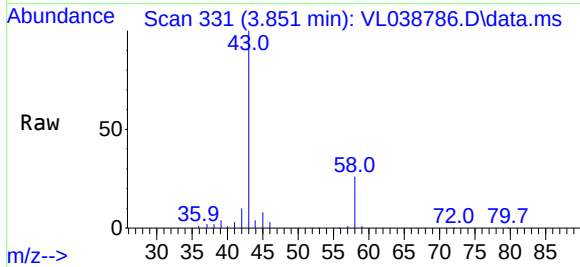
Manual Integrations
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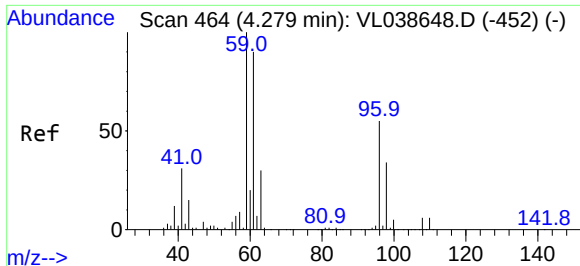
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#15
Acetone
Concen: 4.595 ppbv
RT: 3.851 min Scan# 331
Delta R.T. 0.010 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

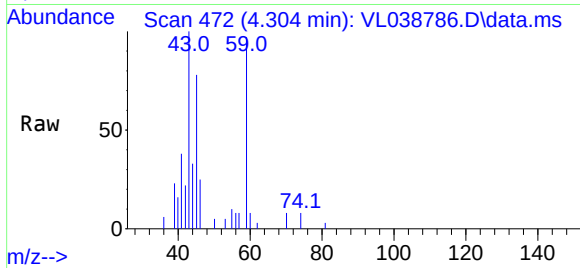
Tgt Ion: 43 Resp: 300103
Ion Ratio Lower Upper
43 100
58 26.8 23.3 34.9





#17
tert-Butyl alcohol
Concen: 0.219 ppbv m
RT: 4.304 min Scan# 41
Delta R.T. 0.026 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

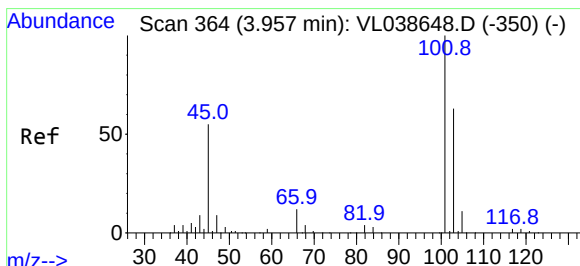
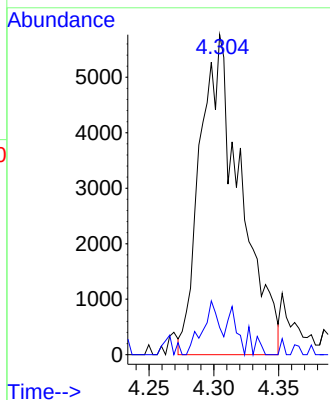
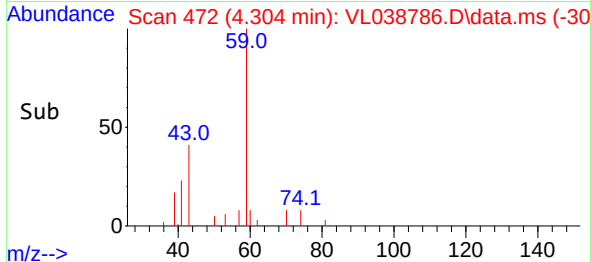
Instrument :
MSVOA_L
ClientSampleId :
IA1



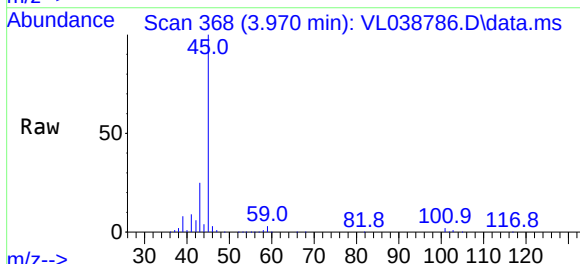
Tgt Ion: 59 Resp: 12519
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2

Manual Integrations
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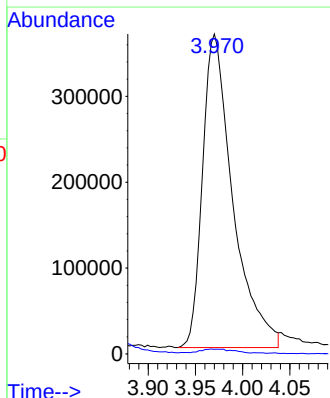
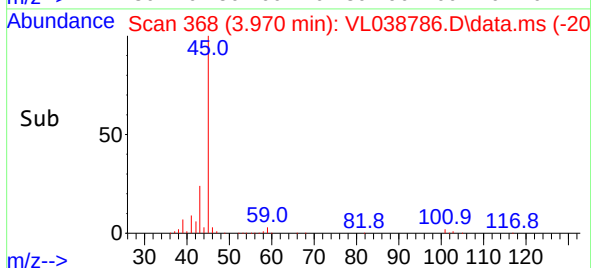
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022

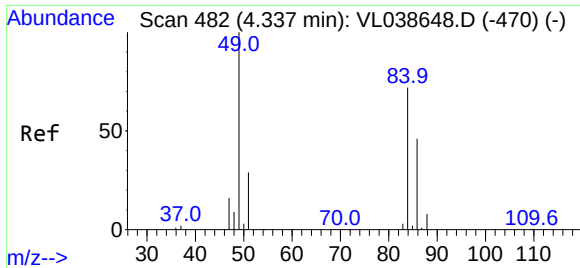


#19
Isopropyl Alcohol
Concen: 22.459 ppbv
RT: 3.970 min Scan# 368
Delta R.T. 0.013 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59



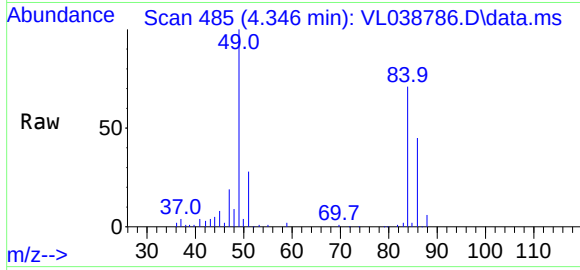
Tgt Ion: 45 Resp: 813207
Ion Ratio Lower Upper
45 100
58 2.4 2.3 3.5





#20
Methylene Chloride
Concen: 2.430 ppbv
RT: 4.346 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

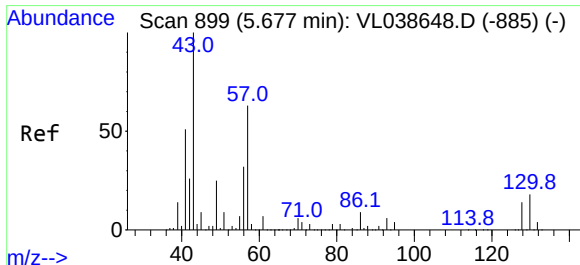
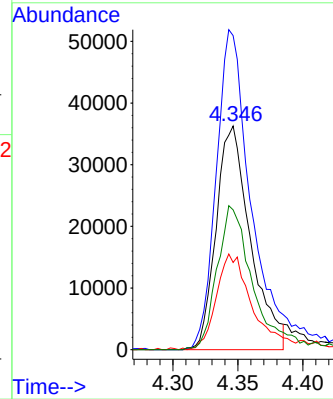
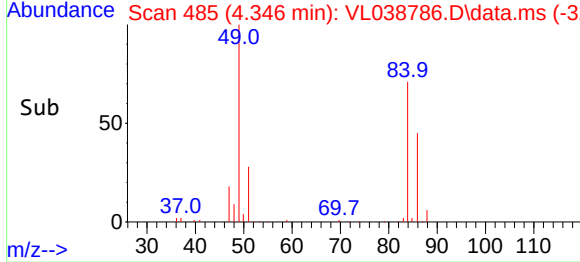
Instrument :
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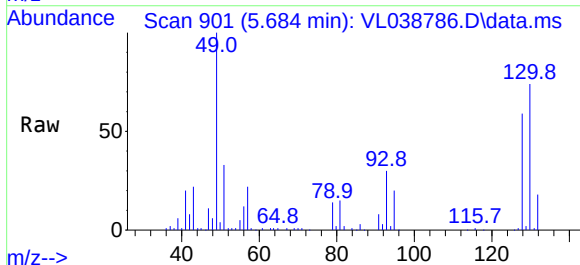
Tgt Ion: 84 Resp: 66840
Ion Ratio Lower Upper
84 100
49 140.4 111.2 166.8
51 38.2 32.8 49.2
86 62.5 51.4 77.0

Manual Integrations
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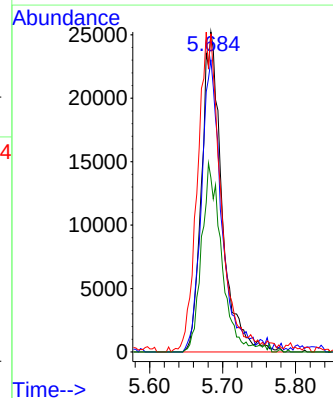
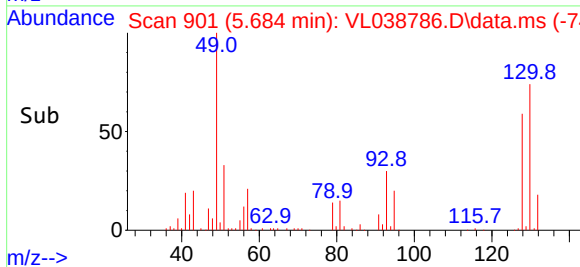
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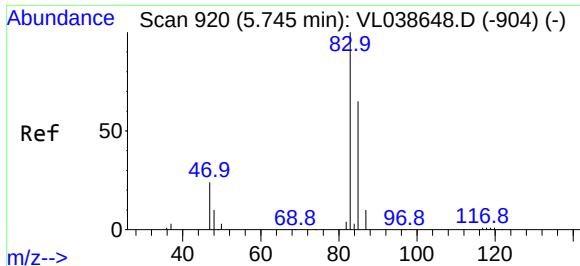


#26
Hexane
Concen: 0.665 ppbv m
RT: 5.684 min Scan# 901
Delta R.T. 0.006 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59



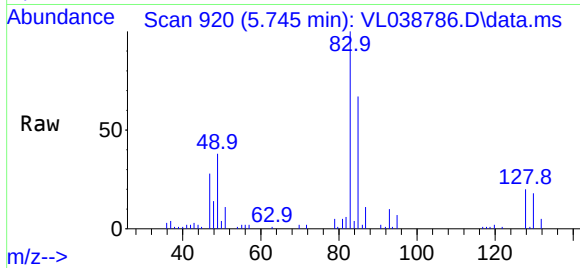
Tgt Ion: 57 Resp: 48977
Ion Ratio Lower Upper
57 100
41 93.2 67.0 100.4
43 118.3 184.2 276.2#
56 59.1 42.6 64.0





#29
Chloroform
Concen: 0.464 ppbv
RT: 5.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

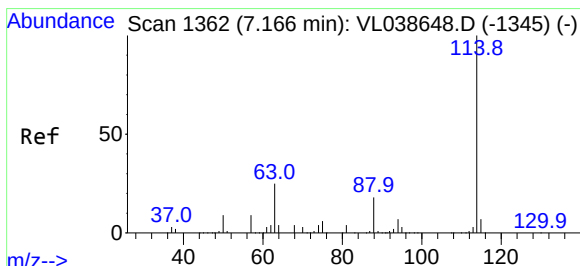
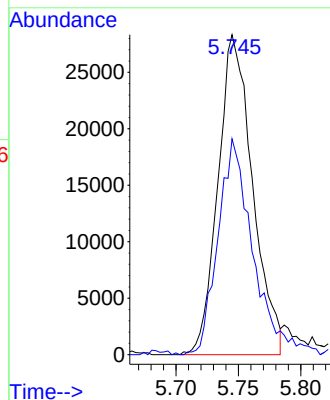
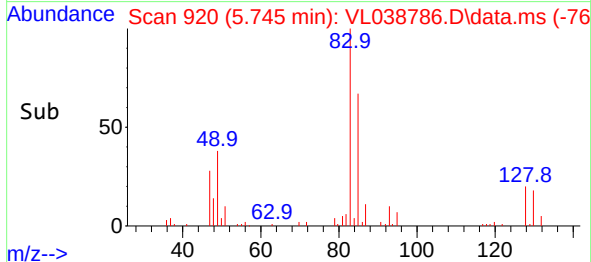
Instrument :
MSVOA_L
ClientSampleId :
IA1



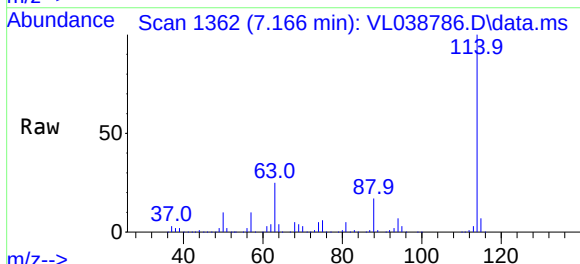
Tgt Ion: 83 Resp: 54704
Ion Ratio Lower Upper
83 100
85 67.4 51.7 77.5

Manual Integrations
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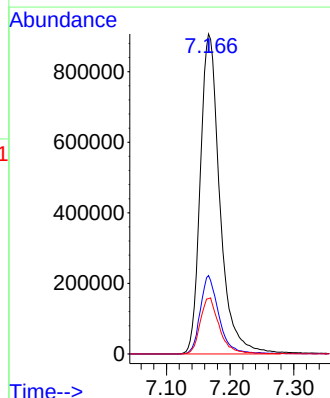
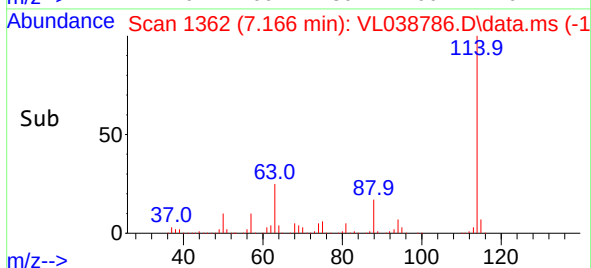
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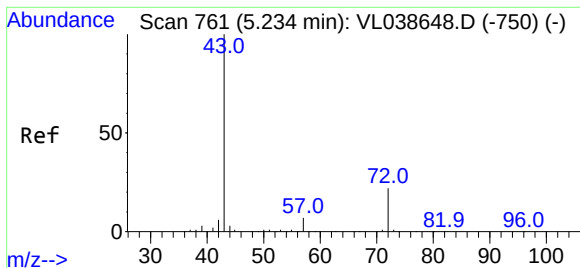


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.166 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59



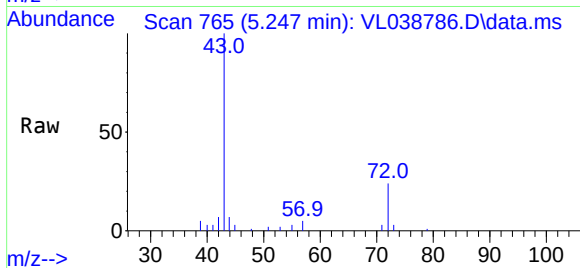
Tgt Ion:114 Resp: 1938033
Ion Ratio Lower Upper
114 100
63 23.5 19.4 29.0
88 17.3 13.9 20.9





#34
2-Butanone
Concen: 0.249 ppbv
RT: 5.247 min Scan# 765
Delta R.T. 0.013 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

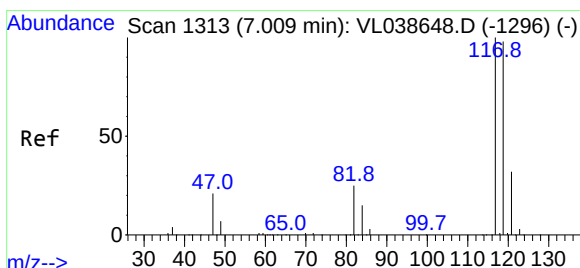
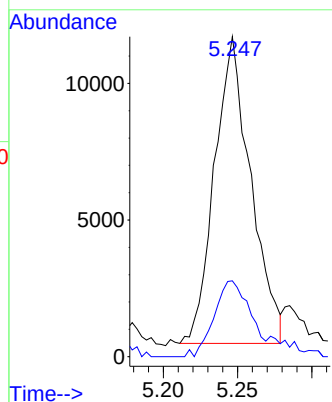
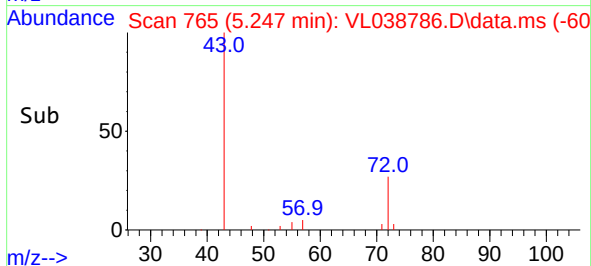
Instrument :
MSVOA_L
ClientSampleId :
IA1



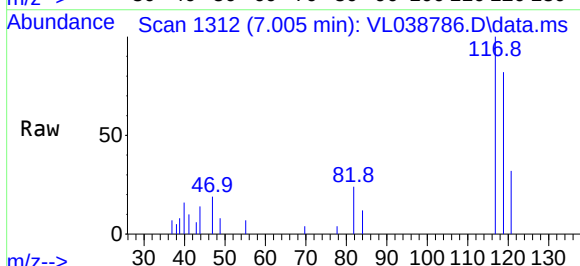
Tgt Ion: 43 Resp: 19070
Ion Ratio Lower Upper
43 100
72 29.2 17.8 26.8

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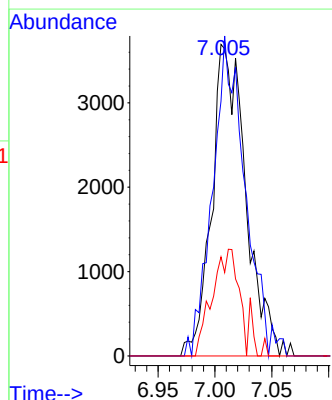
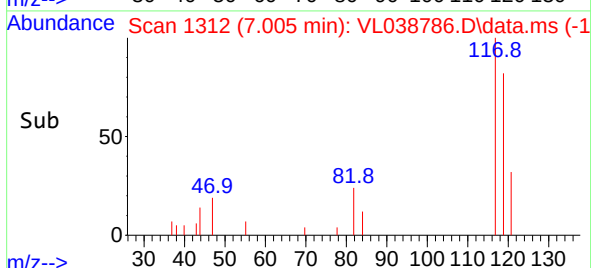
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022

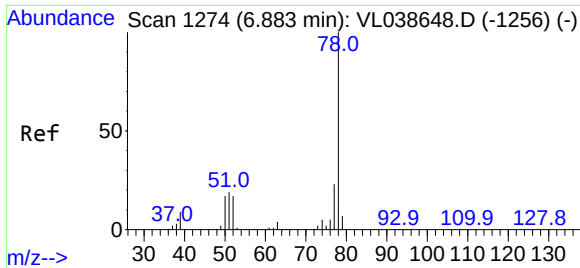


#35
Carbon Tetrachloride
Concen: 0.068 ppbv m
RT: 7.005 min Scan# 1312
Delta R.T. -0.003 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59



Tgt Ion:117 Resp: 7652
Ion Ratio Lower Upper
117 100
119 81.8 78.1 117.1
121 31.8 25.8 38.6





#36
Benzene
Concen: 0.242 ppbv
RT: 6.886 min Scan# 1275
Delta R.T. 0.003 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

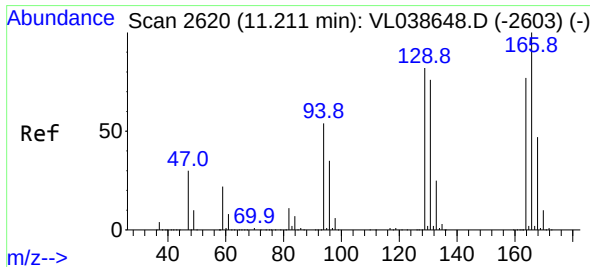
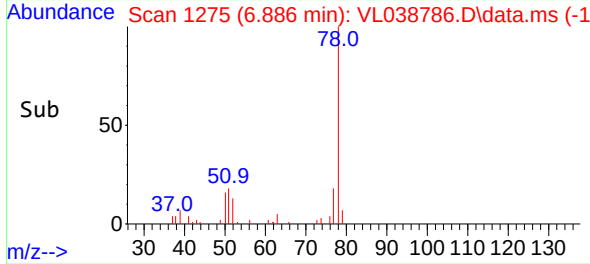
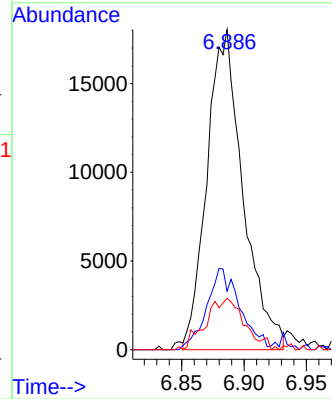
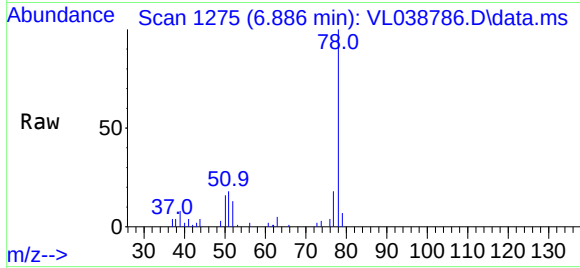
Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 78 Resp: 3625

Ion	Ratio	Lower	Upper
78	100		
77	15.2	18.1	27.1
50	15.2	13.6	20.4

Manual Integrations
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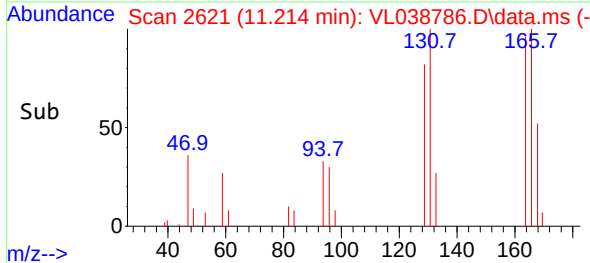
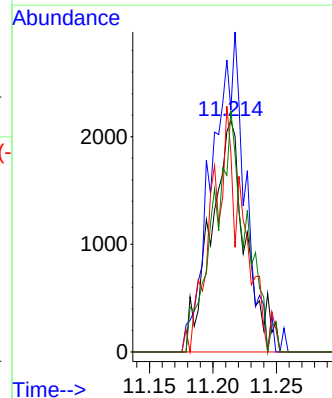
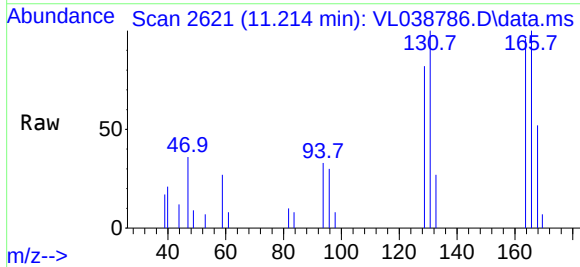
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022

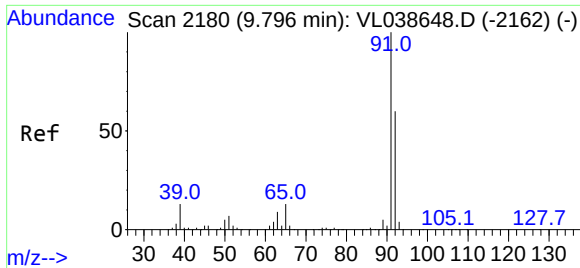


#52
Tetrachloroethene
Concen: 0.075 ppbv m
RT: 11.214 min Scan# 2621
Delta R.T. 0.003 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

Tgt Ion:164 Resp: 4087

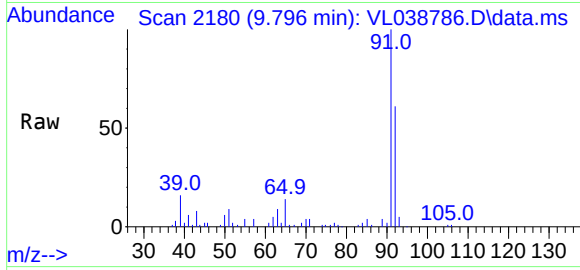
Ion	Ratio	Lower	Upper
164	100		
166	104.6	103.3	154.9
129	86.0	85.2	127.8
131	104.3	78.3	117.5





#53
Toluene
Concen: 0.519 ppbv
RT: 9.796 min Scan# 2180
Delta R.T. -0.000 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

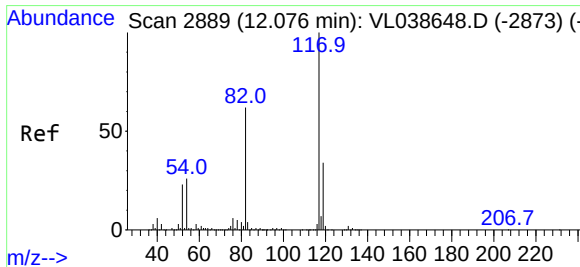
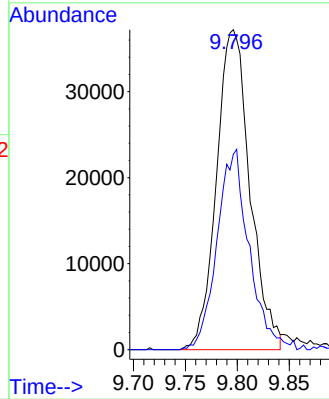
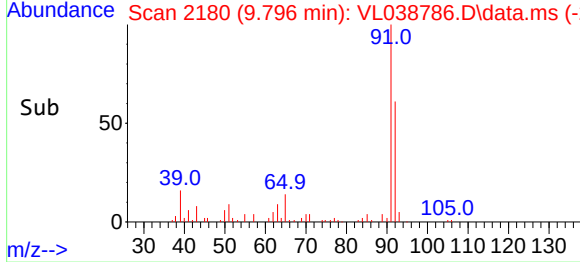
Instrument :
MSVOA_L
ClientSampleId :
IA1



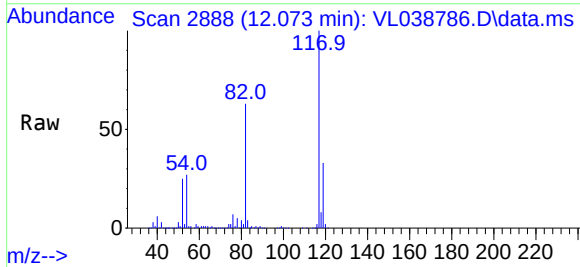
Tgt Ion: 91 Resp: 83369
Ion Ratio Lower Upper
91 100
92 60.6 48.7 73.1

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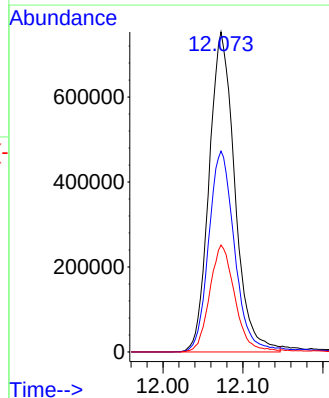
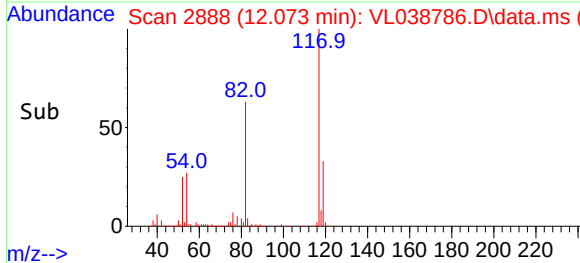
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022

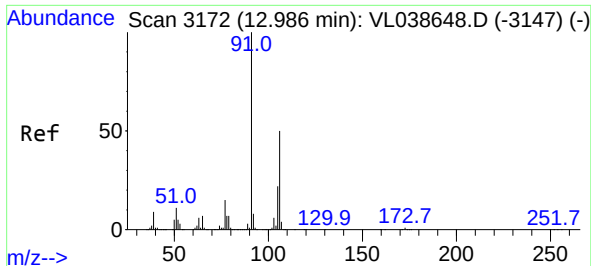


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.073 min Scan# 2888
Delta R.T. -0.003 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59



Tgt Ion:117 Resp: 1679605
Ion Ratio Lower Upper
117 100
82 64.8 51.6 77.4
119 33.5 26.9 40.3





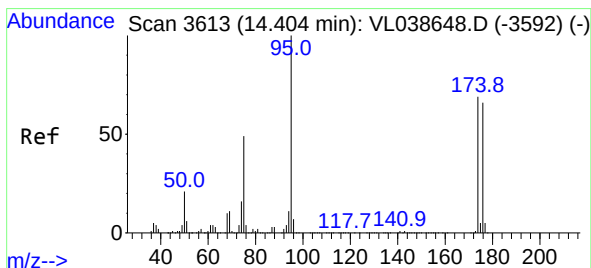
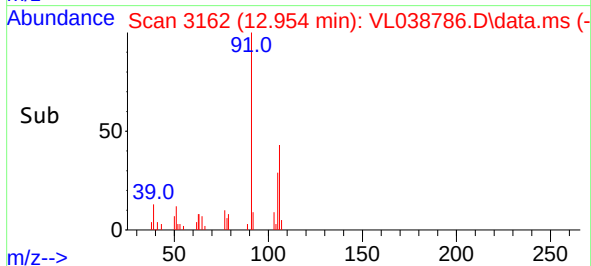
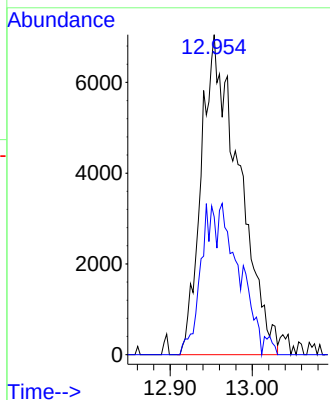
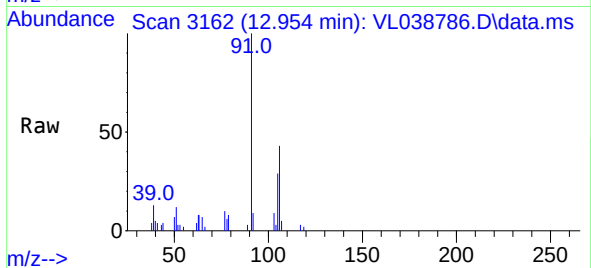
#59
m/p-Xylene
Concen: 0.131 ppbv m
RT: 12.954 min Scan# 3172
Delta R.T. -0.032 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 2246
Ion Ratio Lower Upper
91 100
106 0.0 37.2 55.8

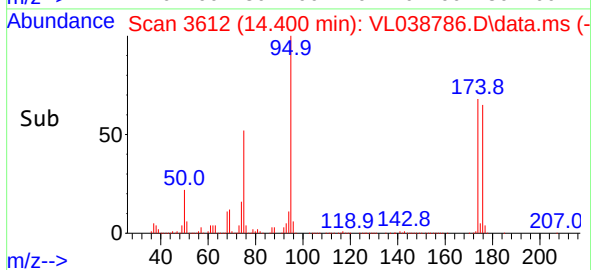
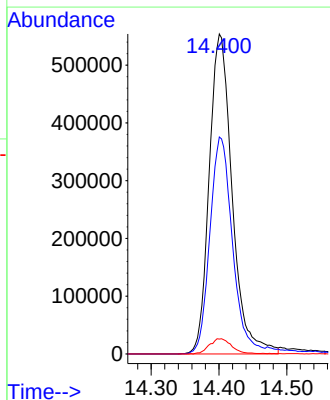
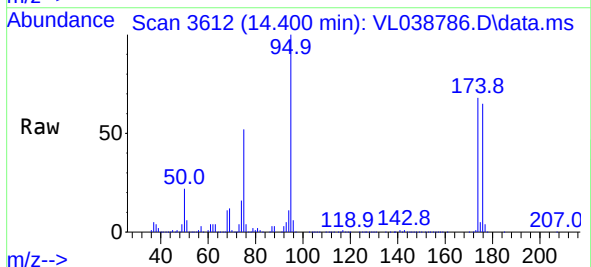
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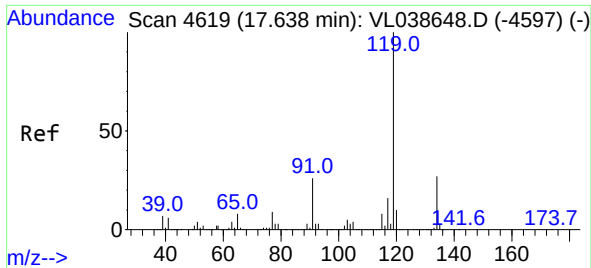
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.126 ppbv
RT: 14.400 min Scan# 3612
Delta R.T. -0.003 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

Tgt Ion: 95 Resp: 1303958
Ion Ratio Lower Upper
95 100
174 69.7 56.1 84.1
175 4.8 4.2 6.2





#69

p-Isopropyltoluene

Concen: 0.173 ppbv m

RT: 17.642 min Scan# 4

Delta R.T. 0.003 min

Lab File: VL038786.D

Acq: 29 Mar 2022 00:59

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion:119 Resp: 4453

Ion Ratio Lower Upper

119 100

134 25.4 21.2 31.8

91 29.8 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/29/2022

Supervised By :Mahesh Dadoda 03/29/2022

