

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032222\
 Data File : VL038707.D
 Acq On : 23 Mar 2022 6:19
 Operator : SY/AP
 Sample : N2048-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P94

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/23/2022
 Supervised By :Mahesh Dadoda 03/25/2022

Quant Time: Mar 23 07:09:31 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 23 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	5.648	49	768618	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.153	114	2005554	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.060	117	1920841	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.387	95	1412038	9.588	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.041	85	22211	0.215	ppbv	92
3) Chlorodifluoromethane	2.986	51	16173	0.199	ppbv	97
4) Chloromethane	3.137	50	5727	0.128	ppbv #	76
9) Propene	3.002	41	79706	2.034	ppbv	99
11) Trichlorofluoromethane	3.938	101	21824m	0.239	ppbv	
13) Ethanol	3.590	45	144714	33.474	ppbv	98
15) Acetone	3.832	43	1756719	26.488	ppbv	90
17) tert-Butyl alcohol	4.282	59	46736	0.807	ppbv #	94
19) Isopropyl Alcohol	3.954	45	28524	0.776	ppbv #	91
20) Methylene Chloride	4.330	84	27373	0.980	ppbv	97
29) Chloroform	5.735	83	16853	0.141	ppbv	85
34) 2-Butanone	5.221	43	1140867	14.372	ppbv	98
36) Benzene	6.870	78	19613	0.127	ppbv	97
51) 2-Hexanone	10.118	43	124950	1.179	ppbv #	99
52) Tetrachloroethene	11.201	164	2250268	39.727	ppbv	97
53) Toluene	9.783	91	40426m	0.243	ppbv	
59) m/p-Xylene	12.941	91	24146m	0.123	ppbv	
75) 1,3-Dichlorobenzene	16.982	146	47869m	0.344	ppbv	

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

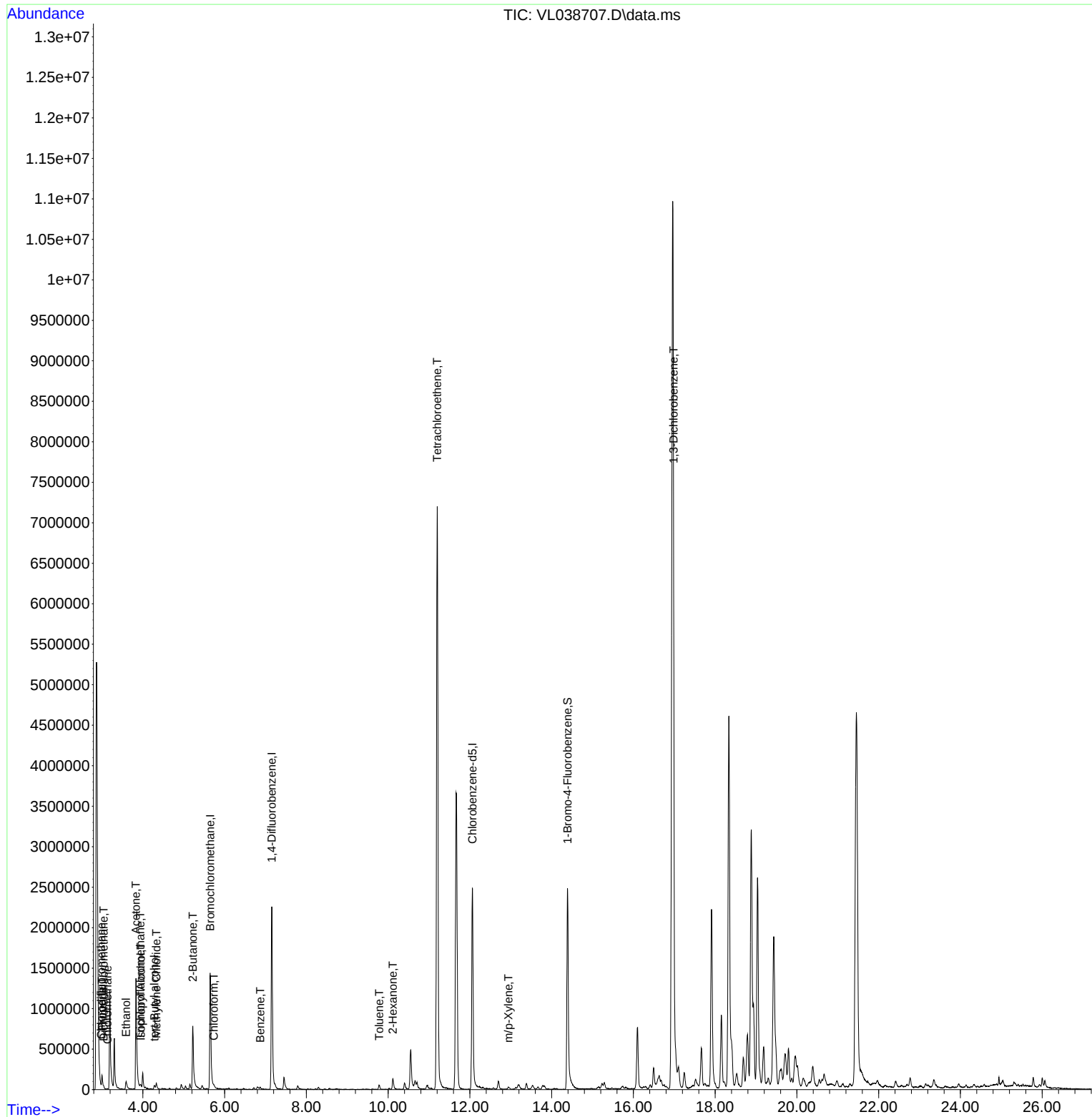
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032222\
Data File : VL038707.D
Acq On : 23 Mar 2022 6:19
Operator : SY/AP
Sample : N2048-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

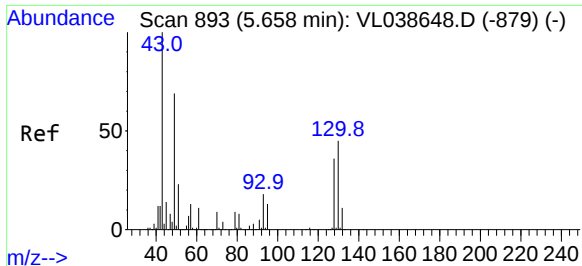
Instrument :
MSVOA_L
ClientSampleId :
C0P94

Quant Time: Mar 23 07:09:31 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

Manual Integrations
APPROVED

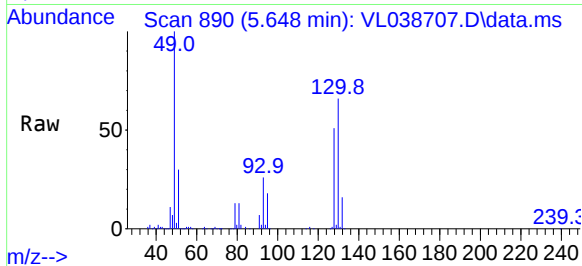
Reviewed By : Semsettin Yesilyurt 03/23/2022
Supervised By : Mahesh Dadoda 03/25/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.648 min Scan# 89
Delta R.T. -0.010 min
Lab File: VL038707.D
Acq: 23 Mar 2022 6:19

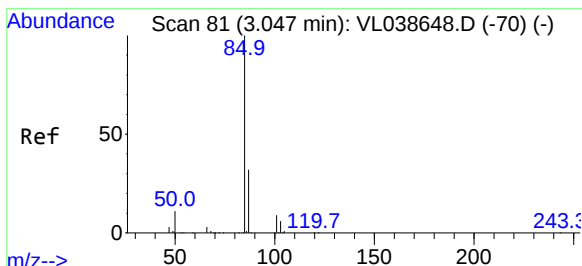
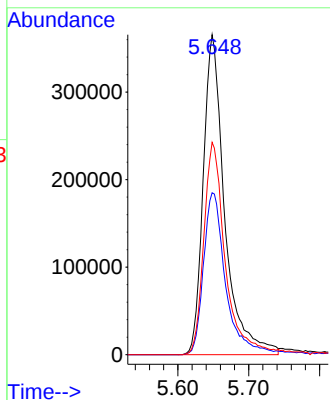
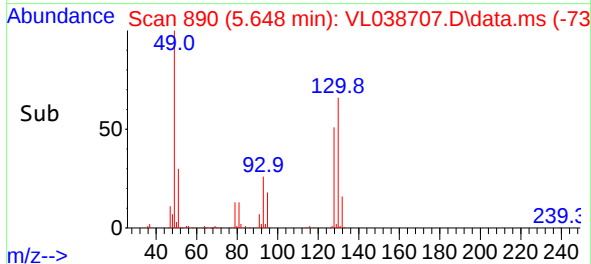
Instrument :
MSVOA_L
ClientSampleId :
COP94



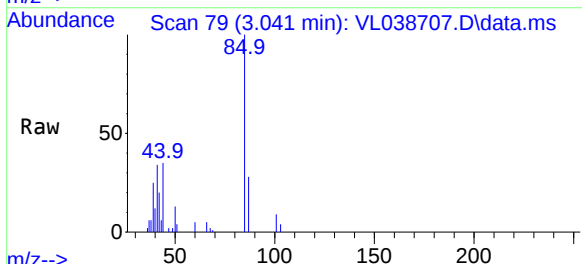
Tgt Ion: 49 Resp: 768618
Ion Ratio Lower Upper
49 100
128 53.4 26.2 78.6
130 67.4 33.7 101.1

Manual Integrations
APPROVED

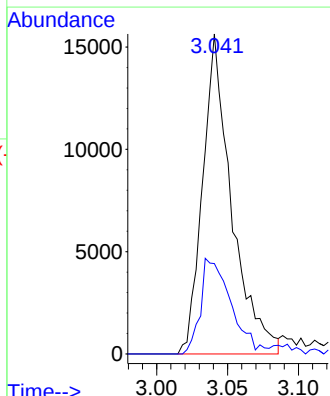
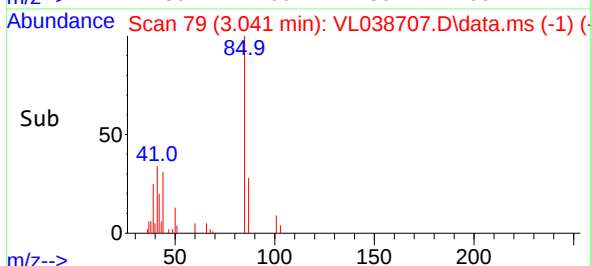
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022

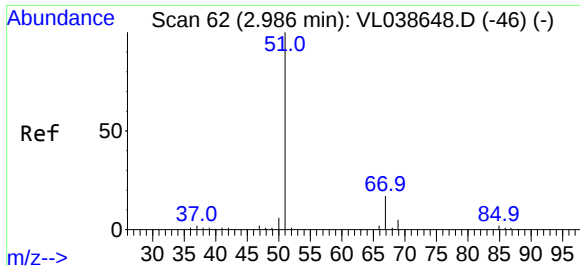


#2
Dichlorodifluoromethane
Concen: 0.215 ppbv
RT: 3.041 min Scan# 79
Delta R.T. -0.007 min
Lab File: VL038707.D
Acq: 23 Mar 2022 6:19



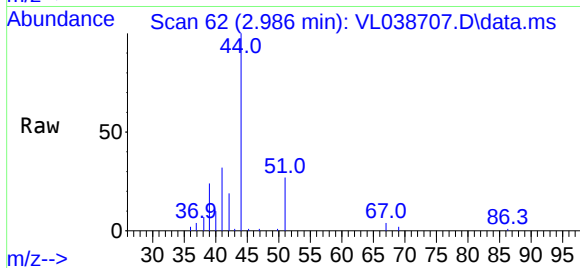
Tgt Ion: 85 Resp: 22211
Ion Ratio Lower Upper
85 100
87 28.2 26.0 39.0





#3
Chlorodifluoromethane
Concen: 0.199 ppbv
RT: 2.986 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL038707.D
Acq: 23 Mar 2022 6:19

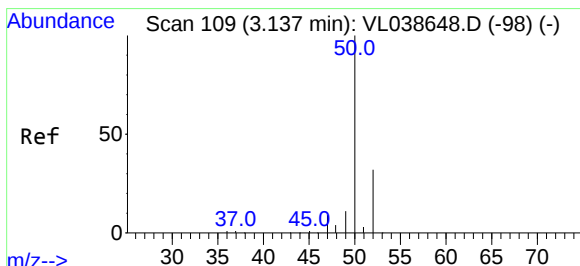
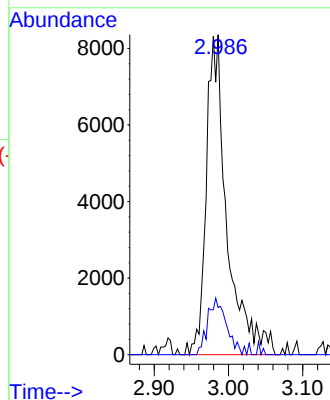
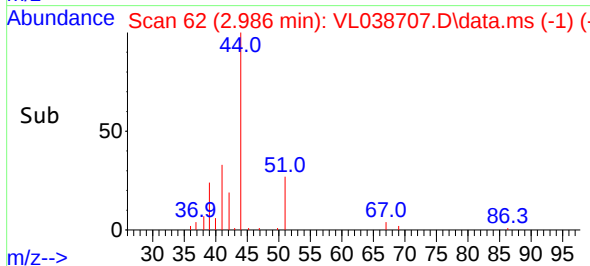
Instrument :
MSVOA_L
ClientSampleId :
COP94



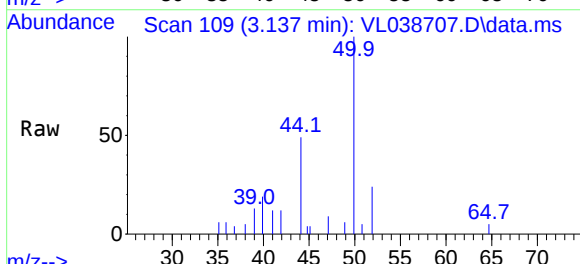
Tgt Ion: 51 Resp: 1617
Ion Ratio Lower Upper
51 100
67 16.4 14.1 21.1

Manual Integrations
APPROVED

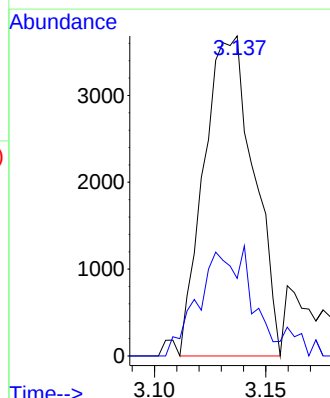
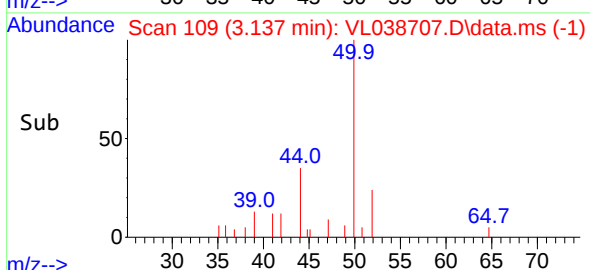
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022

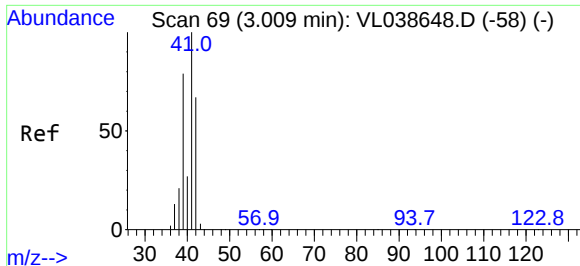


#4
Chloromethane
Concen: 0.128 ppbv
RT: 3.137 min Scan# 109
Delta R.T. -0.000 min
Lab File: VL038707.D
Acq: 23 Mar 2022 6:19



Tgt Ion: 50 Resp: 5727
Ion Ratio Lower Upper
50 100
52 18.7 25.5 38.3#





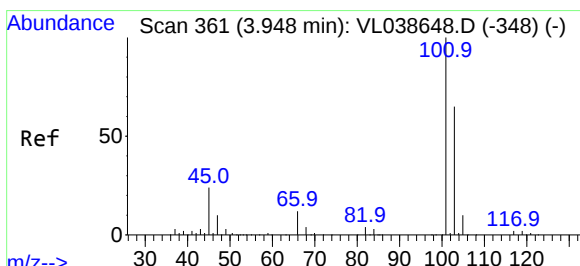
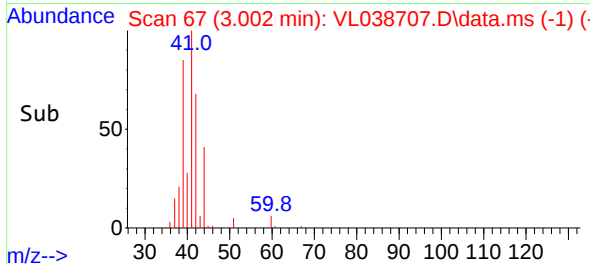
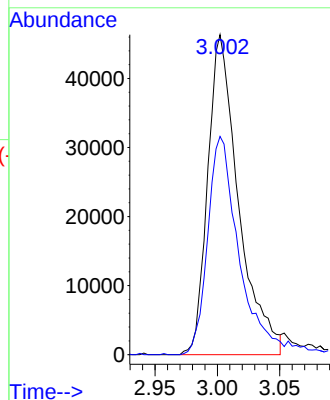
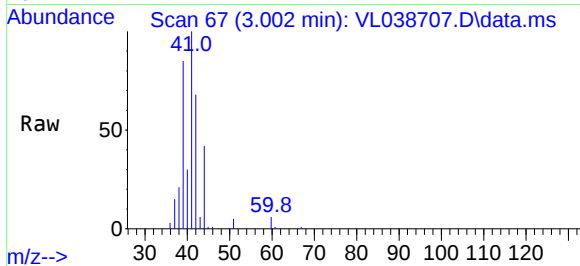
#9
Propene
Concen: 2.034 ppbv
RT: 3.002 min Scan# 61
Delta R.T. -0.007 min
Lab File: VL038707.D
Acq: 23 Mar 2022 6:19

Instrument :
MSVOA_L
ClientSampleId :
COP94

Tgt Ion: 41 Resp: 79700
Ion Ratio Lower Upper
41 100
42 71.3 56.2 84.4

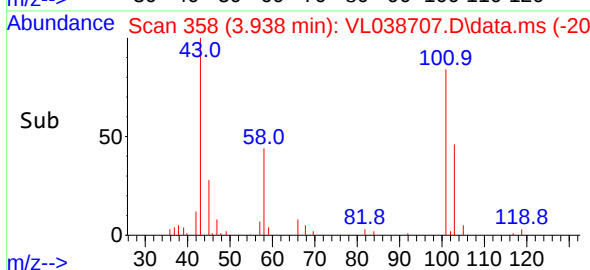
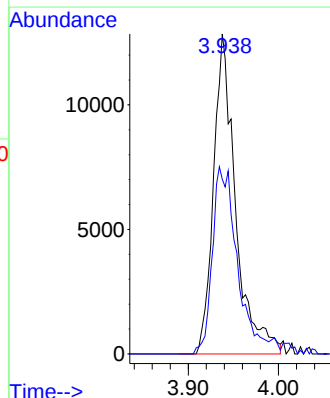
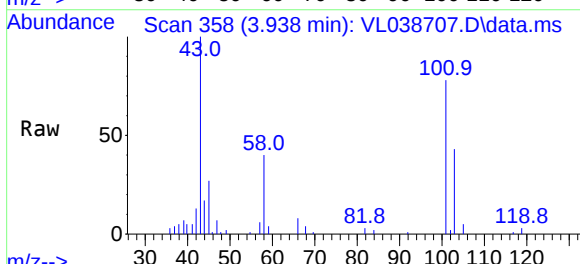
Manual Integrations
APPROVED

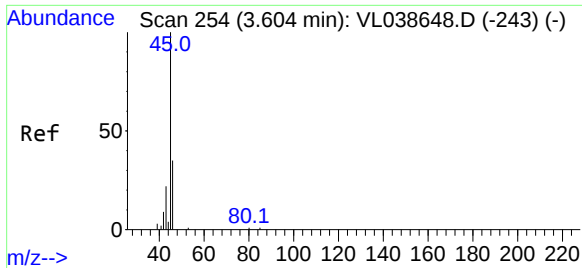
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#11
Trichlorofluoromethane
Concen: 0.239 ppbv m
RT: 3.938 min Scan# 358
Delta R.T. -0.010 min
Lab File: VL038707.D
Acq: 23 Mar 2022 6:19

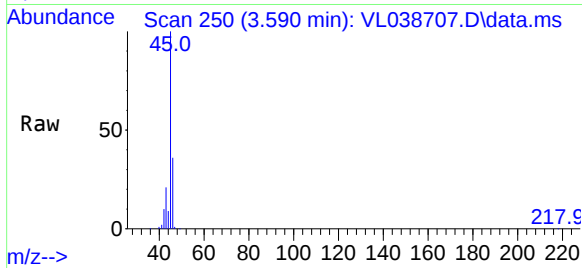
Tgt Ion:101 Resp: 21824
Ion Ratio Lower Upper
101 100
103 54.6 51.9 77.9





#13
Ethanol
Concen: 33.474 ppbv
RT: 3.590 min Scan# 214
Delta R.T. -0.013 min
Lab File: VL038707.D
Acq: 23 Mar 2022 6:19

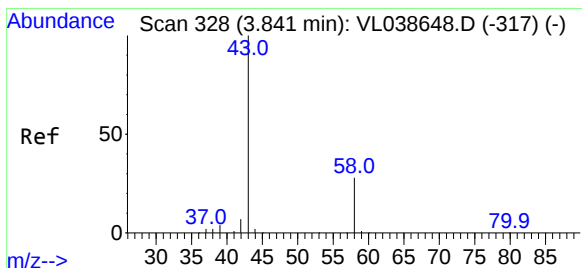
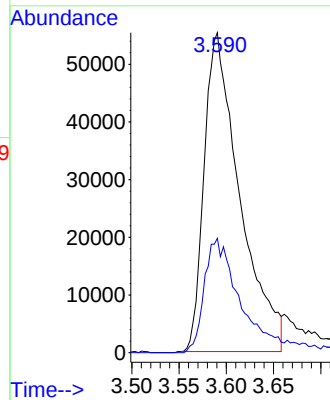
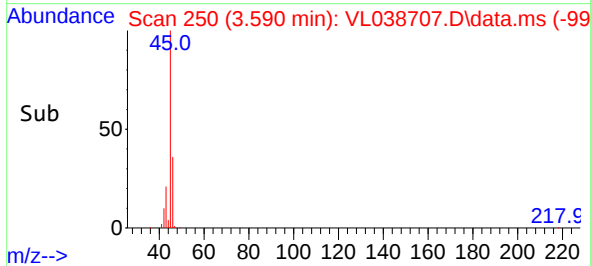
Instrument :
MSVOA_L
ClientSampleId :
COP94



Tgt Ion: 45 Resp: 144714
Ion Ratio Lower Upper
45 100
46 38.8 15.1 60.5

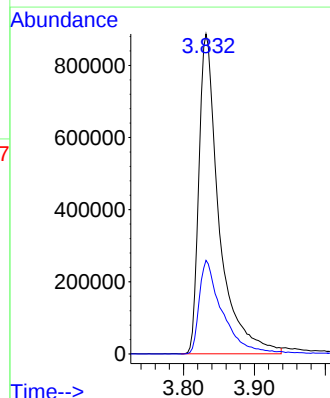
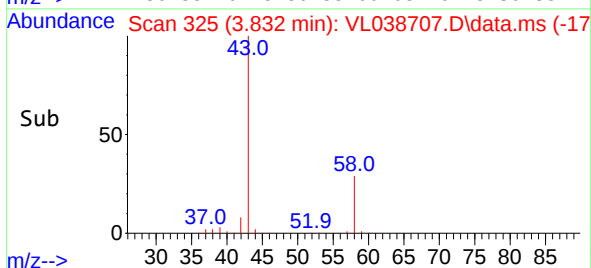
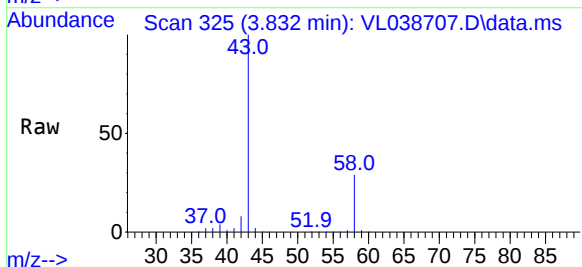
Manual Integrations
APPROVED

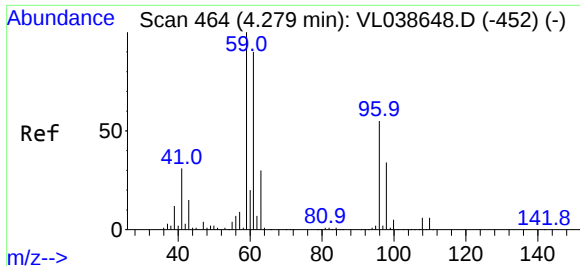
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#15
Acetone
Concen: 26.488 ppbv
RT: 3.832 min Scan# 325
Delta R.T. -0.010 min
Lab File: VL038707.D
Acq: 23 Mar 2022 6:19

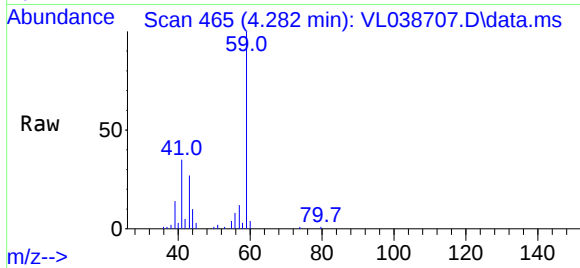
Tgt Ion: 43 Resp: 1756719
Ion Ratio Lower Upper
43 100
58 34.2 23.3 34.9





#17
tert-Butyl alcohol
Concen: 0.807 ppbv
RT: 4.282 min Scan# 465
Delta R.T. 0.003 min
Lab File: VL038707.D
Acq: 23 Mar 2022 6:19

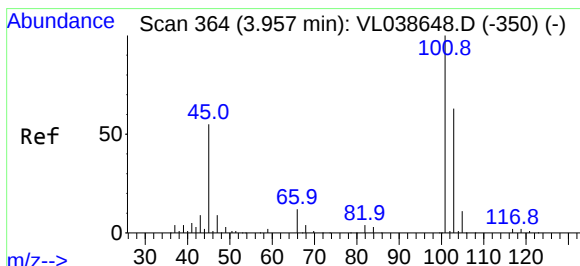
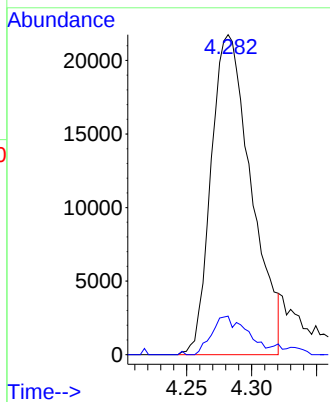
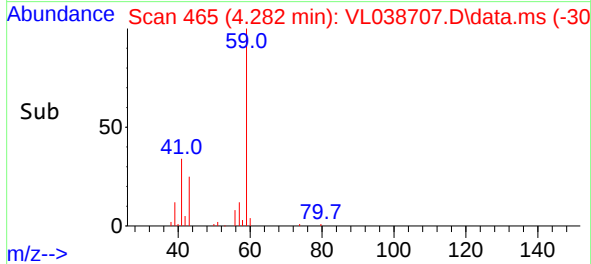
Instrument :
MSVOA_L
ClientSampleId :
COP94



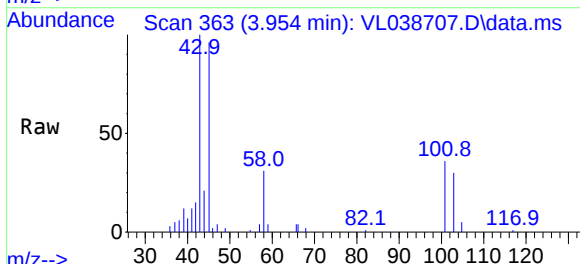
Tgt Ion: 59 Resp: 46730
Ion Ratio Lower Upper
59 100
57 12.4 8.2 12.2

Manual Integrations
APPROVED

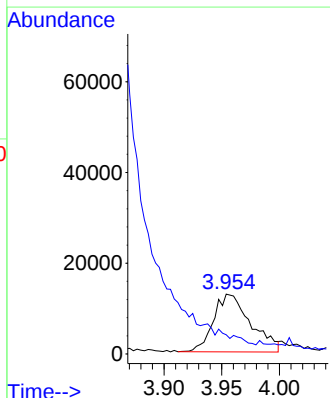
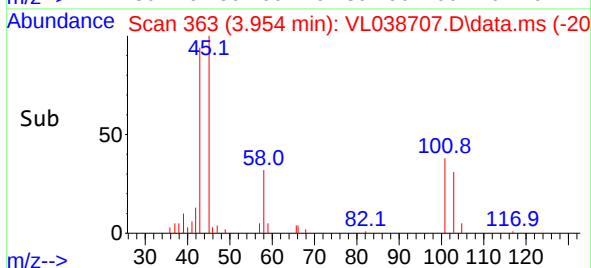
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022

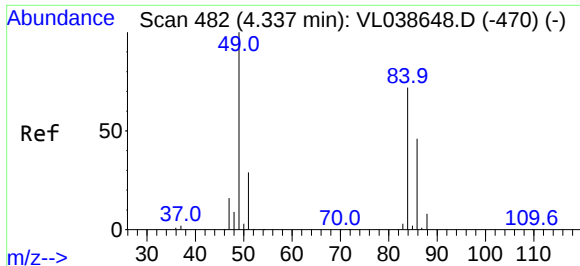


#19
Isopropyl Alcohol
Concen: 0.776 ppbv
RT: 3.954 min Scan# 363
Delta R.T. -0.003 min
Lab File: VL038707.D
Acq: 23 Mar 2022 6:19



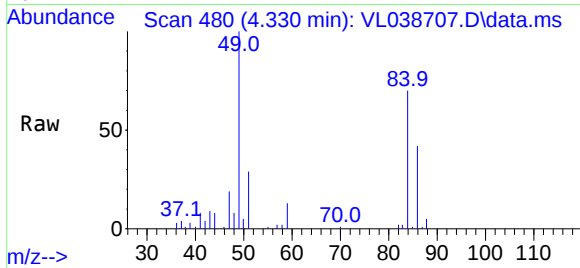
Tgt Ion: 45 Resp: 28524
Ion Ratio Lower Upper
45 100
58 0.0 2.3 3.5





#20
Methylene Chloride
Concen: 0.980 ppbv
RT: 4.330 min Scan# 41
Delta R.T. -0.007 min
Lab File: VL038707.D
Acq: 23 Mar 2022 6:19

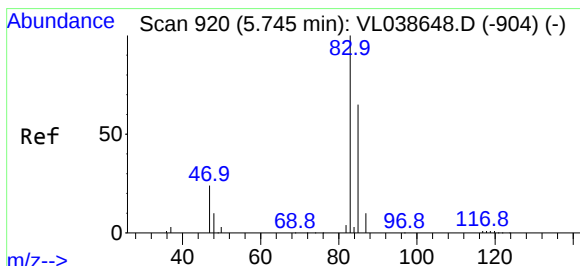
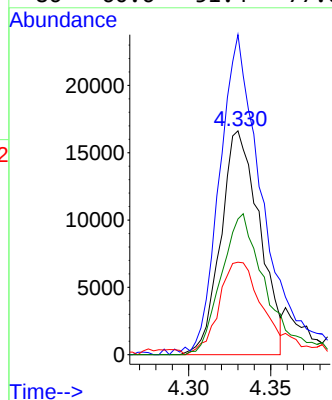
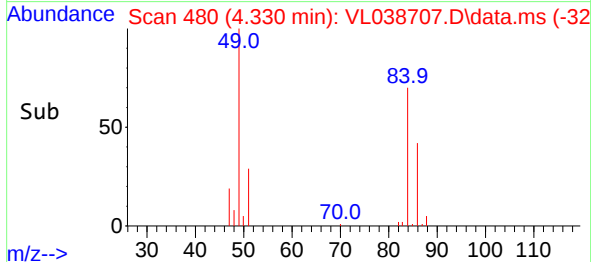
Instrument :
MSVOA_L
ClientSampleId :
COP94



Tgt Ion: 84 Resp: 2737
Ion Ratio Lower Upper
84 100
49 141.9 111.2 166.8
51 39.4 32.8 49.2
86 60.6 51.4 77.0

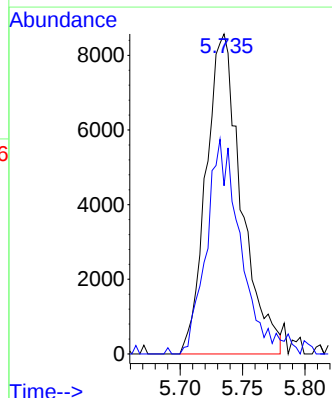
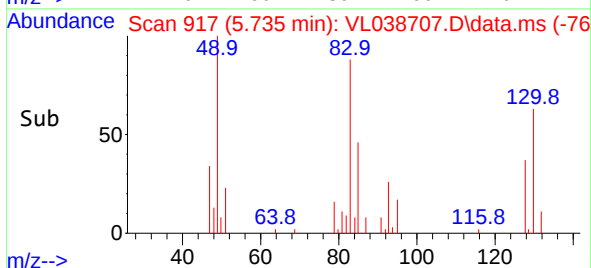
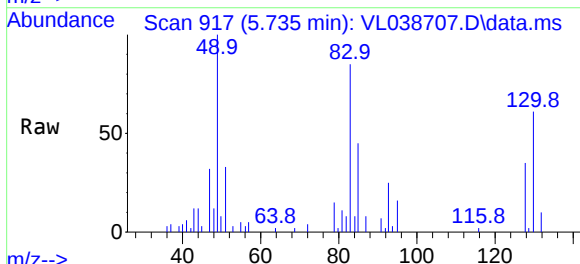
Manual Integrations
APPROVED

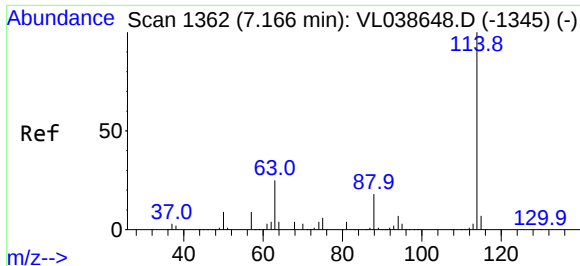
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#29
Chloroform
Concen: 0.141 ppbv
RT: 5.735 min Scan# 917
Delta R.T. -0.010 min
Lab File: VL038707.D
Acq: 23 Mar 2022 6:19

Tgt Ion: 83 Resp: 16853
Ion Ratio Lower Upper
83 100
85 52.5 51.7 77.5





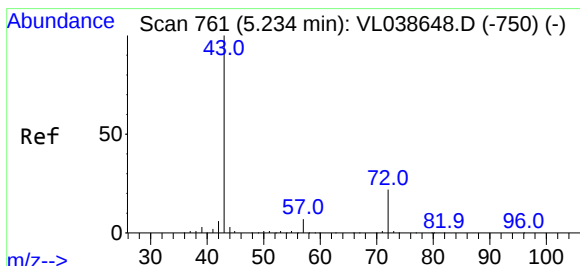
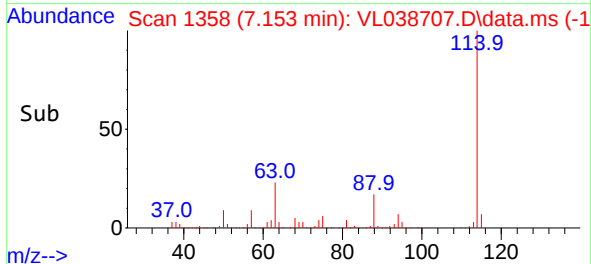
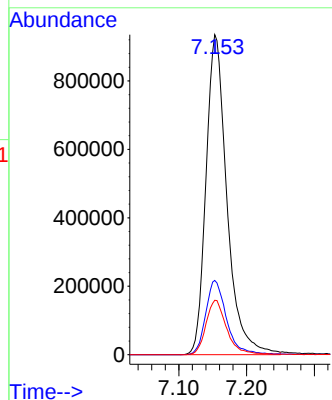
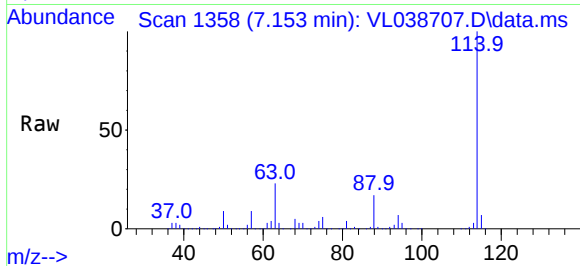
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.153 min Scan# 1114
Delta R.T. -0.013 min
Lab File: VL038707.D
Acq: 23 Mar 2022 6:19

Instrument :
MSVOA_L
ClientSampleId :
COP94

Tgt Ion:114 Resp: 2005554
Ion Ratio Lower Upper
114 100
63 23.3 19.4 29.0
88 17.0 13.9 20.9

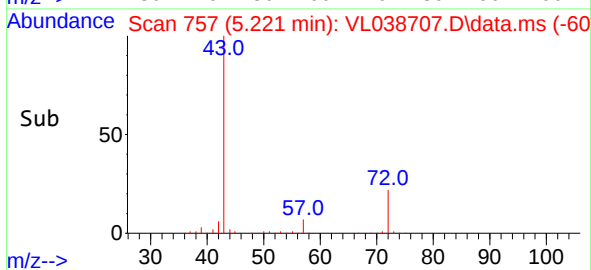
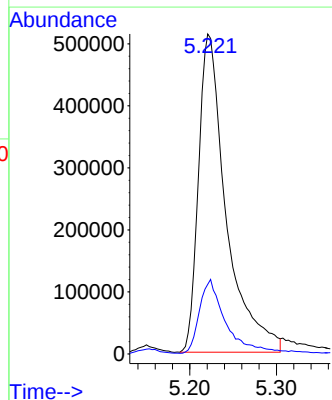
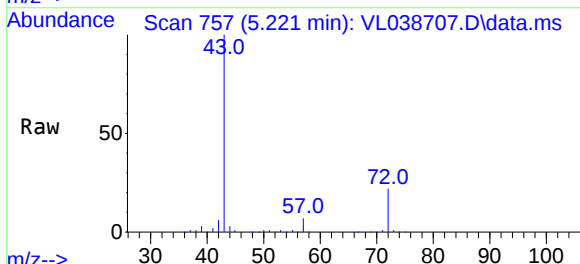
Manual Integrations
APPROVED

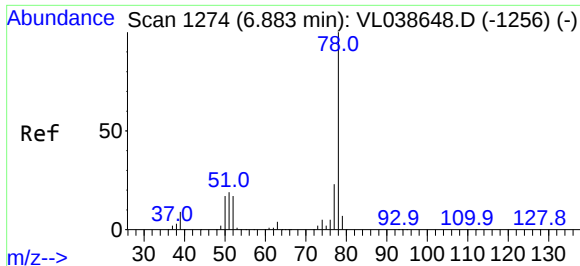
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#34
2-Butanone
Concen: 14.372 ppbv
RT: 5.221 min Scan# 757
Delta R.T. -0.013 min
Lab File: VL038707.D
Acq: 23 Mar 2022 6:19

Tgt Ion: 43 Resp: 1140867
Ion Ratio Lower Upper
43 100
72 23.2 17.8 26.8





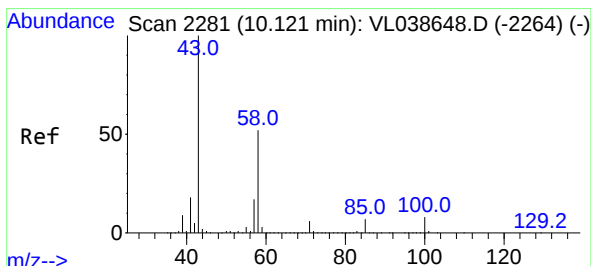
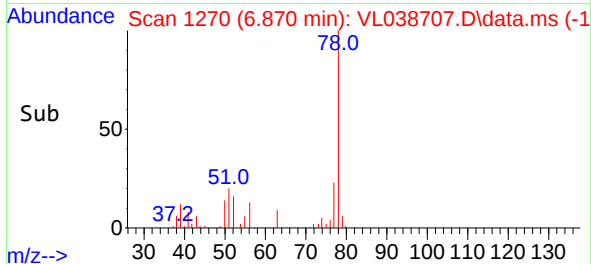
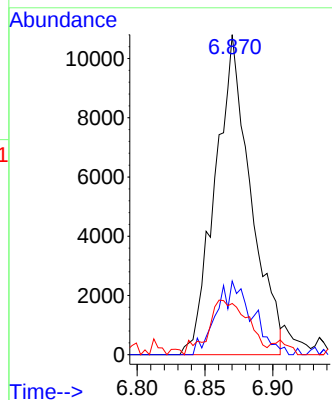
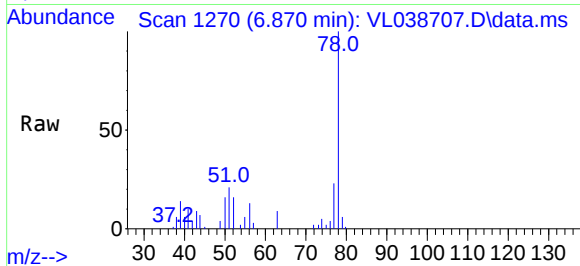
#36
Benzene
Concen: 0.127 ppbv
RT: 6.870 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL038707.D
Acq: 23 Mar 2022 6:19

Instrument :
MSVOA_L
ClientSampleId :
COP94

Tgt Ion: 78 Resp: 1961
Ion Ratio Lower Upper
78 100
77 23.0 18.1 27.1
50 14.5 13.6 20.4

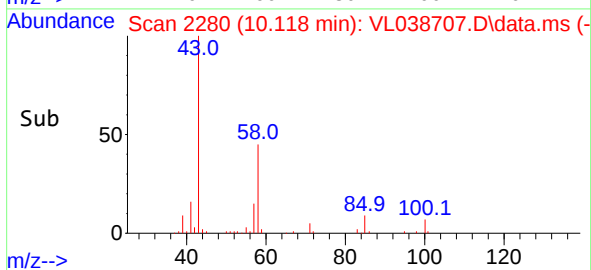
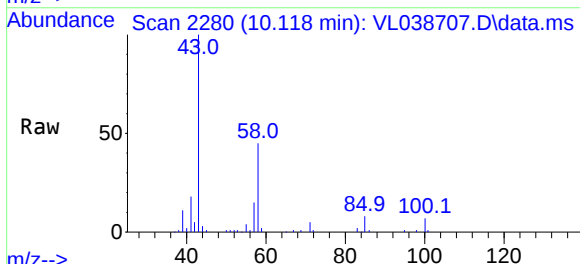
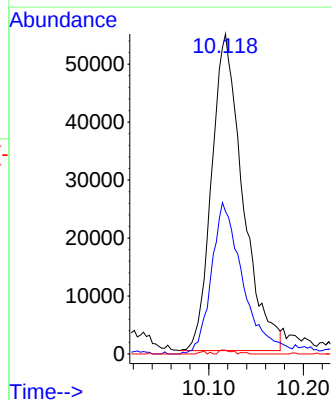
Manual Integrations
APPROVED

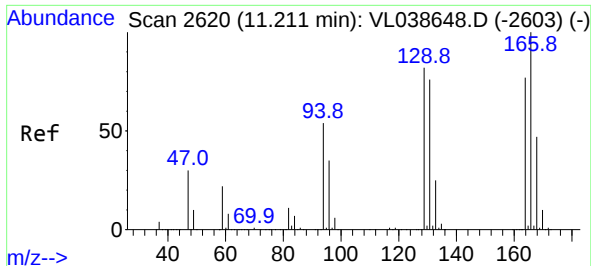
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#51
2-Hexanone
Concen: 1.179 ppbv
RT: 10.118 min Scan# 2280
Delta R.T. -0.003 min
Lab File: VL038707.D
Acq: 23 Mar 2022 6:19

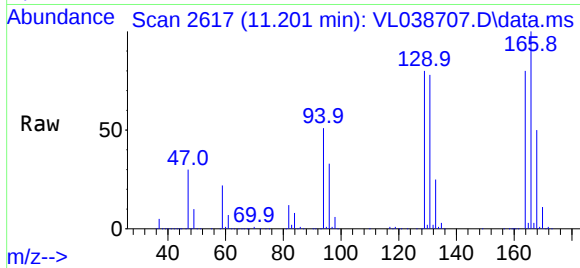
Tgt Ion: 43 Resp: 124950
Ion Ratio Lower Upper
43 100
58 50.5 41.2 61.8
98 0.8 0.2 0.4





#52
Tetrachloroethene
Concen: 39.727 ppbv
RT: 11.201 min Scan# 2176
Delta R.T. -0.010 min
Lab File: VL038707.D
Acq: 23 Mar 2022 6:19

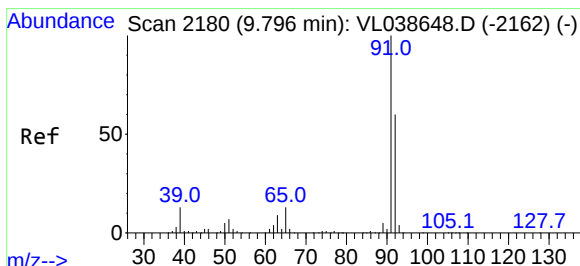
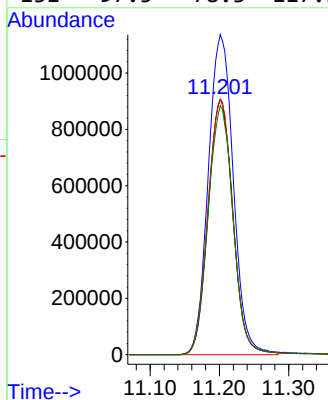
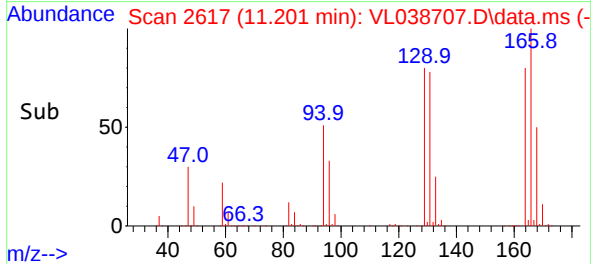
Instrument :
MSVOA_L
ClientSampleId :
COP94



Tgt Ion:164 Resp: 225026
Ion Ratio Lower Upper
164 100
166 125.3 103.3 154.9
129 99.9 85.2 127.8
131 97.5 78.3 117.5

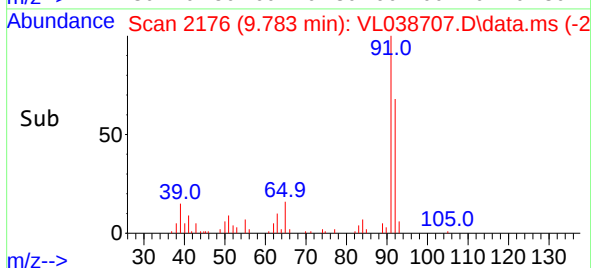
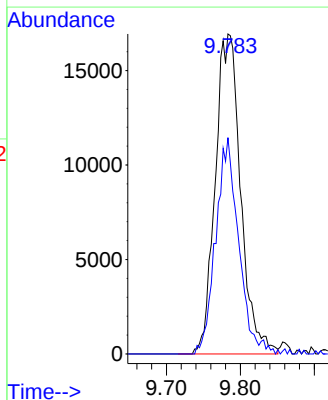
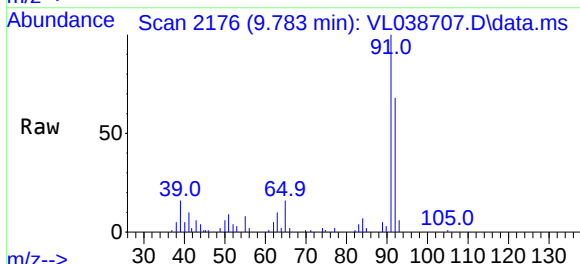
Manual Integrations
APPROVED

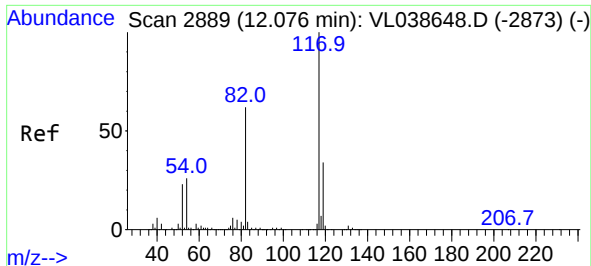
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#53
Toluene
Concen: 0.243 ppbv m
RT: 9.783 min Scan# 2176
Delta R.T. -0.013 min
Lab File: VL038707.D
Acq: 23 Mar 2022 6:19

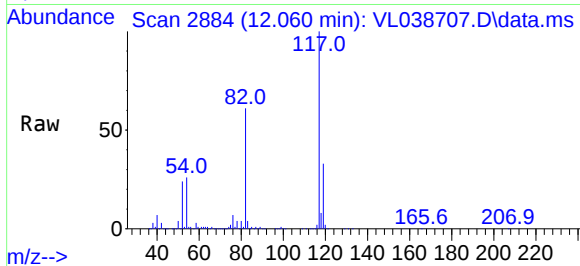
Tgt Ion: 91 Resp: 40426
Ion Ratio Lower Upper
91 100
92 0.0 48.7 73.1#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.060 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL038707.D
Acq: 23 Mar 2022 6:19

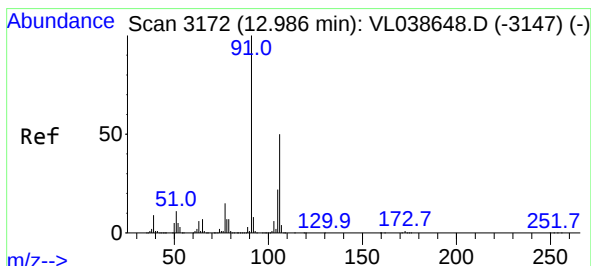
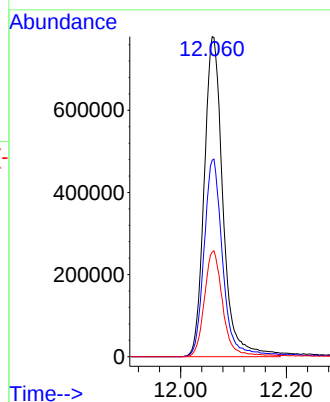
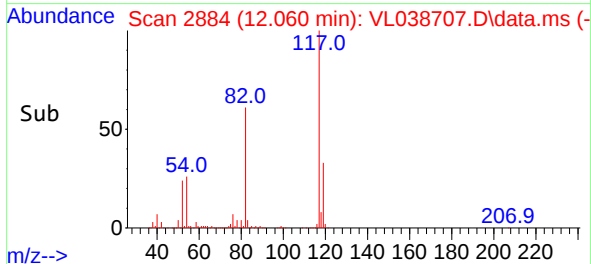
Instrument :
MSVOA_L
ClientSampleId :
COP94



Tgt Ion: 117 Resp: 192084
Ion Ratio Lower Upper
117 100
82 62.1 51.6 77.4
119 33.2 26.9 40.3

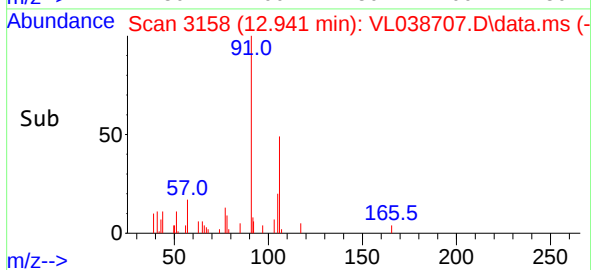
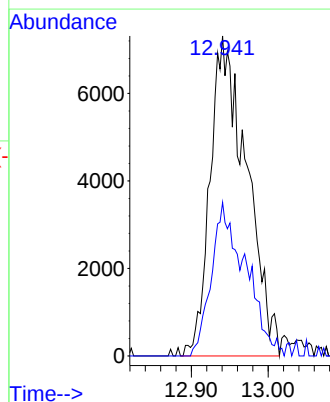
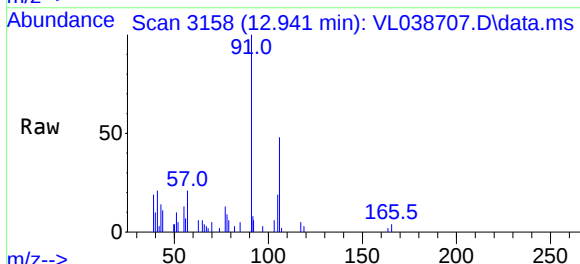
Manual Integrations
APPROVED

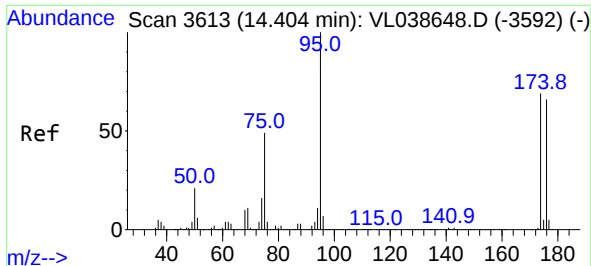
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#59
m/p-Xylene
Concen: 0.123 ppbv m
RT: 12.941 min Scan# 3158
Delta R.T. -0.045 min
Lab File: VL038707.D
Acq: 23 Mar 2022 6:19

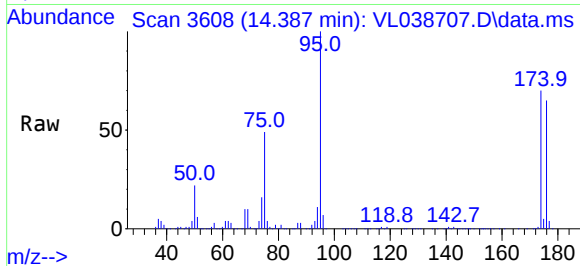
Tgt Ion: 91 Resp: 24146
Ion Ratio Lower Upper
91 100
106 0.0 37.2 55.8#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.588 ppbv
RT: 14.387 min Scan# 3608
Delta R.T. -0.016 min
Lab File: VL038707.D
Acq: 23 Mar 2022 6:19

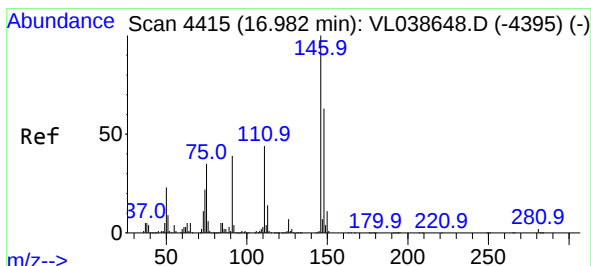
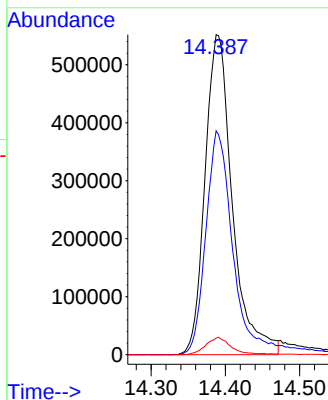
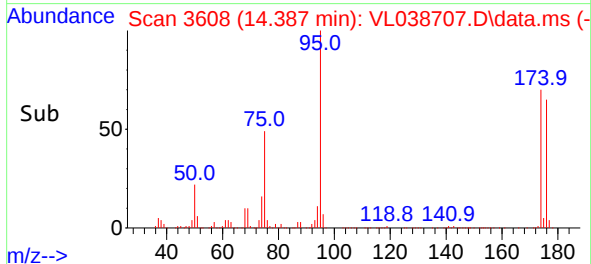
Instrument :
MSVOA_L
ClientSampleId :
COP94



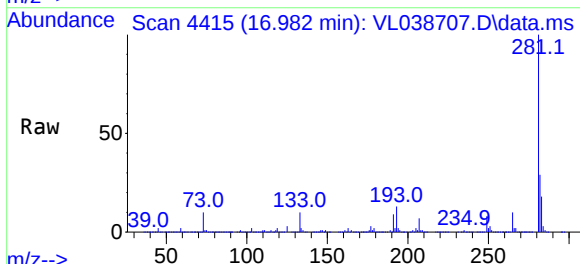
Tgt Ion: 95 Resp: 1412038
Ion Ratio Lower Upper
95 100
174 72.3 56.1 84.1
175 5.2 4.2 6.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#75
1,3-Dichlorobenzene
Concen: 0.344 ppbv m
RT: 16.982 min Scan# 4415
Delta R.T. -0.000 min
Lab File: VL038707.D
Acq: 23 Mar 2022 6:19



Tgt Ion:146 Resp: 47869
Ion Ratio Lower Upper
146 100
111 176.2 22.2 66.6#
148 108.0 32.5 97.5#

