

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031722\
 Data File : VL038637.D
 Acq On : 17 Mar 2022 22:26
 Operator : SY/AP
 Sample : N2003-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PA4

Quant Time: Mar 18 03:39:20 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

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

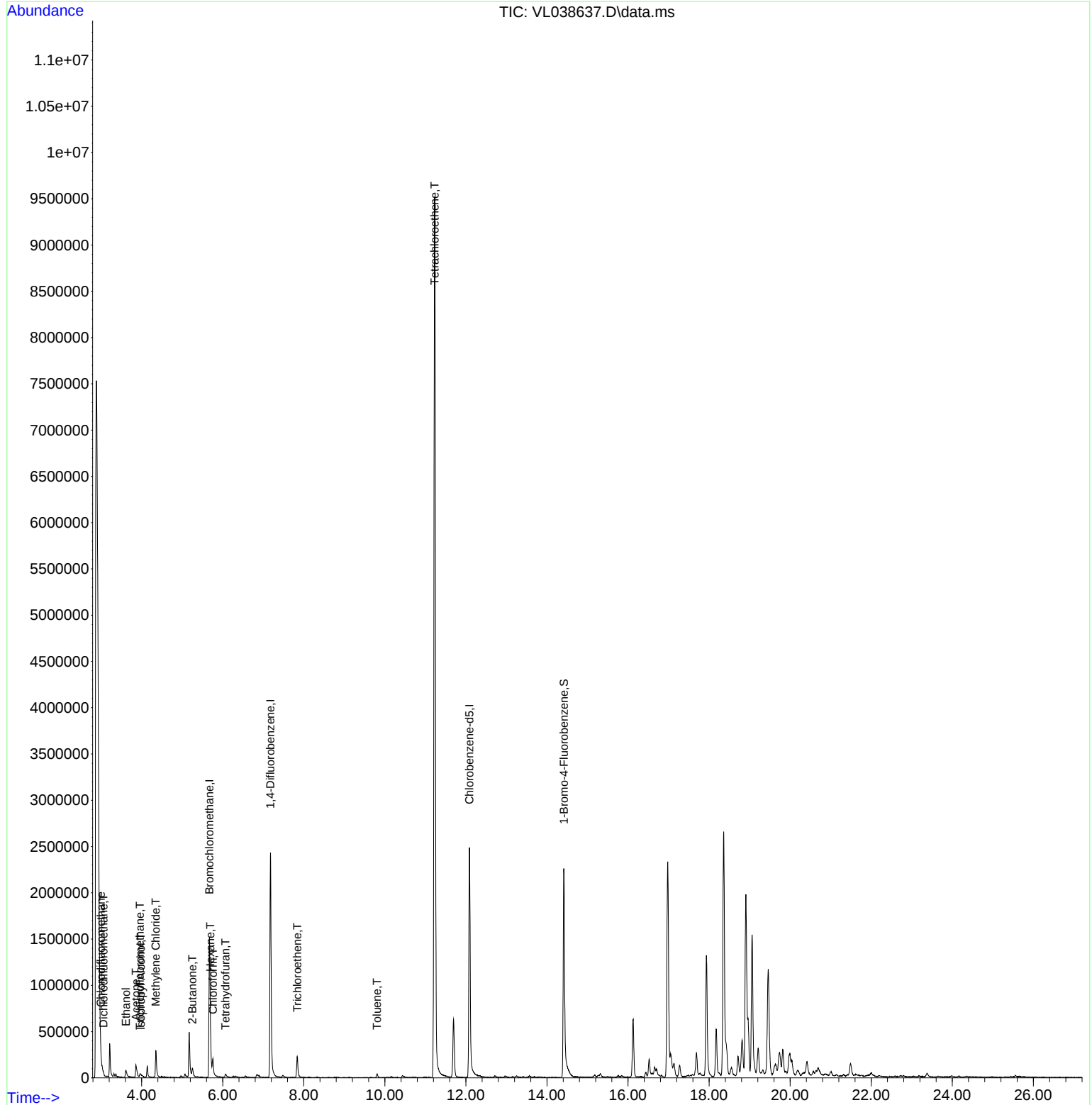
Internal Standards						
1) Bromochloromethane	5.671	49	821803	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	7.179	114	2113965	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.089	117	1865217	10.000	ppbv	# 0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.416	95	1284097	9.055	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.057	85	22329	0.180	ppbv	94
3) Chlorodifluoromethane	2.996	51	18238	0.126	ppbv #	90
11) Trichlorofluoromethane	3.957	101	25018	0.230	ppbv	88
13) Ethanol	3.613	45	108051	18.396	ppbv	99
15) Acetone	3.857	43	177019	3.054	ppbv #	83
19) Isopropyl Alcohol	3.980	45	25364	0.655	ppbv #	1
20) Methylene Chloride	4.349	84	132141	3.788	ppbv	97
26) Hexane	5.697	57	108966	1.189	ppbv #	43
29) Chloroform	5.758	83	123633	0.867	ppbv	99
34) 2-Butanone	5.253	43	121213	2.212	ppbv #	86
38) Trichloroethene	7.838	130	80680	1.059	ppbv	95
41) Tetrahydrofuran	6.070	42	23135m	0.516	ppbv	
52) Tetrachloroethene	11.230	164	3049099	43.608	ppbv	96
53) Toluene	9.806	91	31979	0.157	ppbv	96

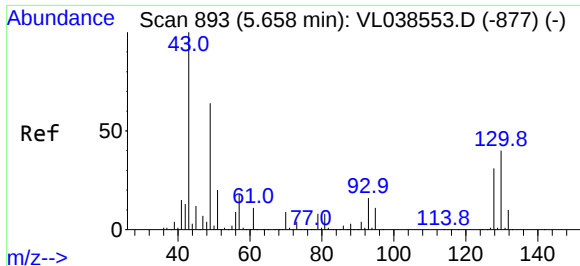
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 18 03:39:20 2022
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
QLast Update : Tue Mar 08 21:18:44 2022
Response via : Initial Calibration

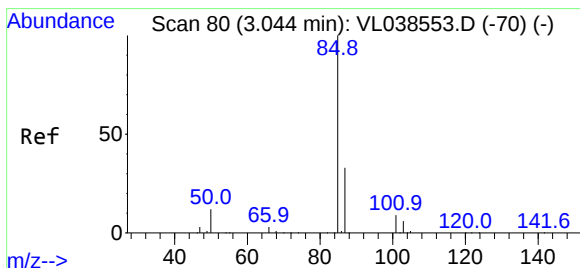
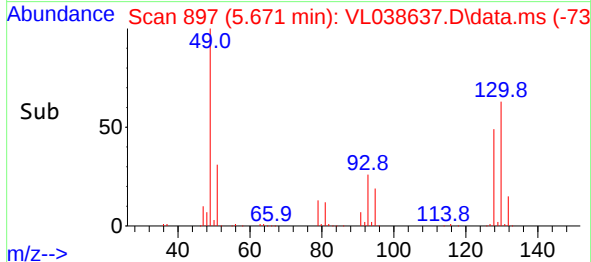
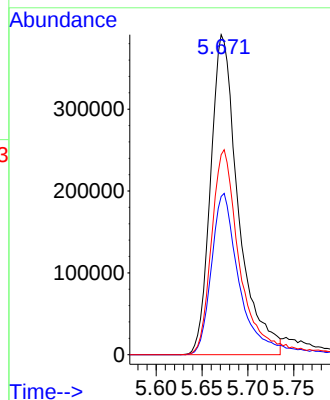
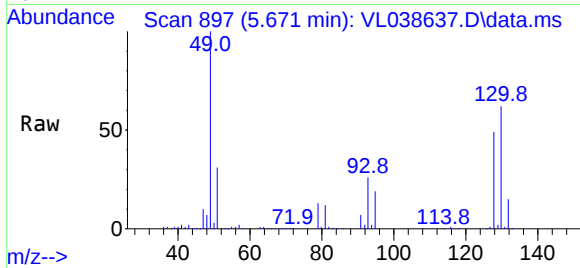




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 89
Delta R.T. 0.013 min
Lab File: VL038637.D
Acq: 17 Mar 2022 22:26

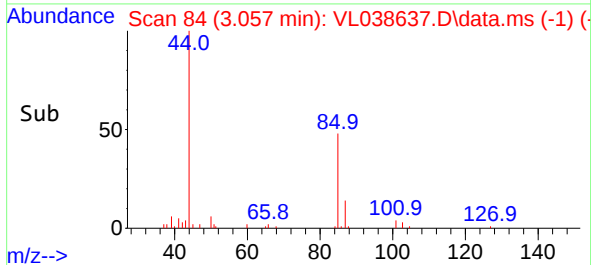
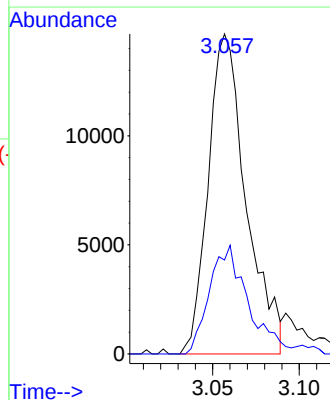
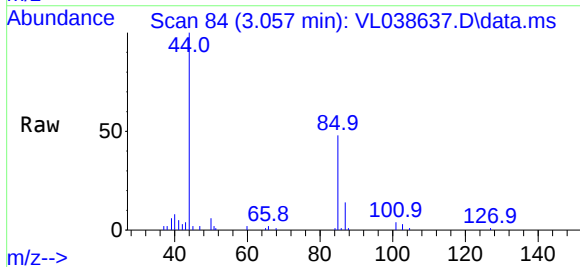
Instrument :
MSVOA_L
ClientSampleId :
COPA4

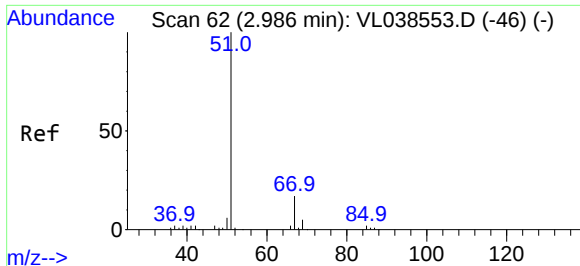
Tgt Ion: 49 Resp: 821803
Ion Ratio Lower Upper
49 100
128 52.3 26.4 79.2
130 68.2 33.0 98.9



#2
Dichlorodifluoromethane
Concen: 0.180 ppbv
RT: 3.057 min Scan# 84
Delta R.T. 0.013 min
Lab File: VL038637.D
Acq: 17 Mar 2022 22:26

Tgt Ion: 85 Resp: 22329
Ion Ratio Lower Upper
85 100
87 29.3 26.2 39.2

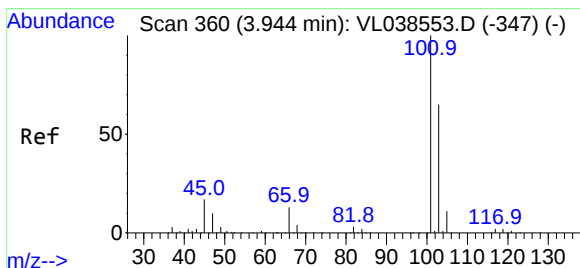
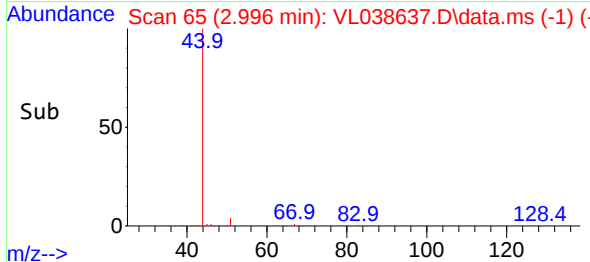
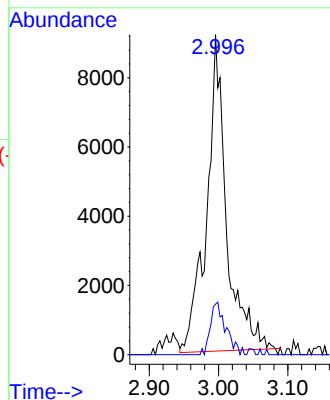
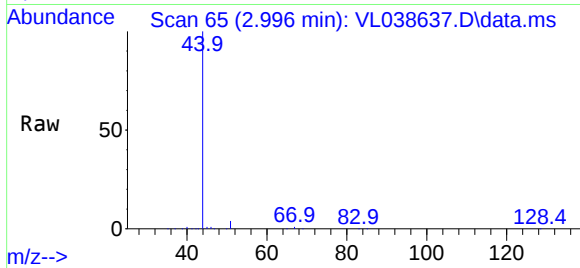




#3
Chlorodifluoromethane
Concen: 0.126 ppbv
RT: 2.996 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL038637.D
Acq: 17 Mar 2022 22:26

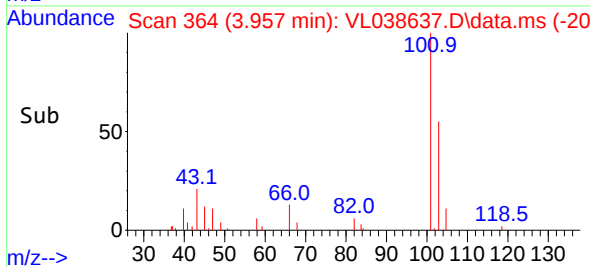
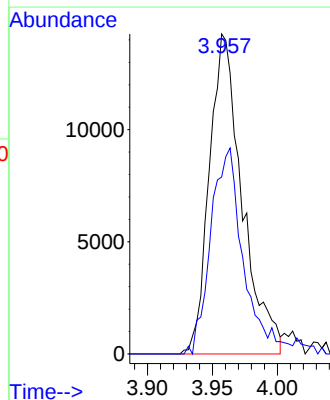
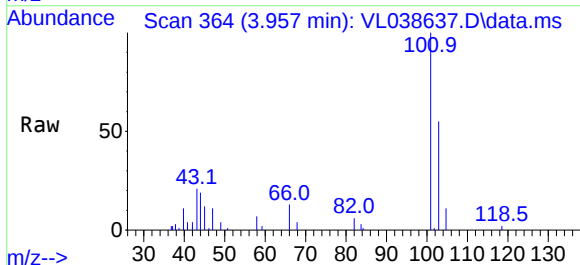
Instrument :
MSVOA_L
ClientSampleId :
C0PA4

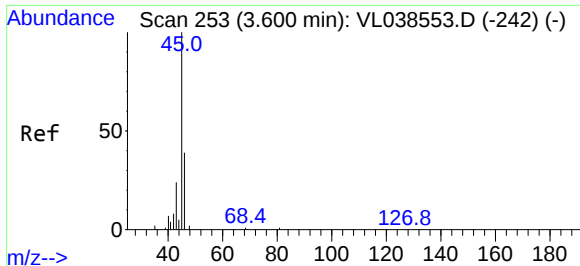
Tgt Ion: 51 Resp: 18238
Ion Ratio Lower Upper
51 100
67 12.7 13.6 20.4#



#11
Trichlorofluoromethane
Concen: 0.230 ppbv
RT: 3.957 min Scan# 364
Delta R.T. 0.013 min
Lab File: VL038637.D
Acq: 17 Mar 2022 22:26

Tgt Ion: 101 Resp: 25018
Ion Ratio Lower Upper
101 100
103 55.3 52.0 78.0

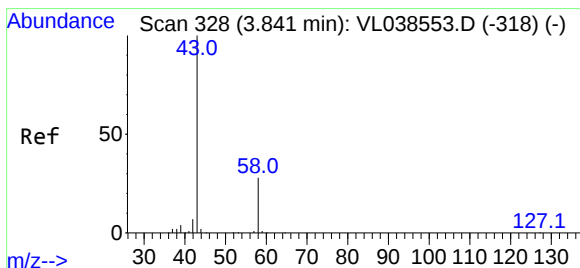
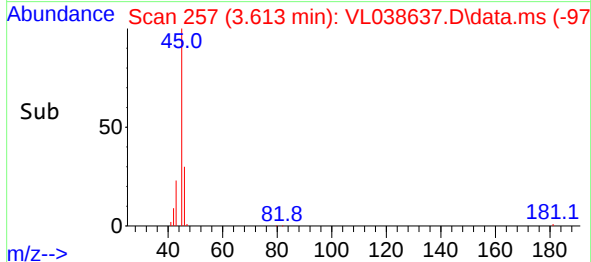
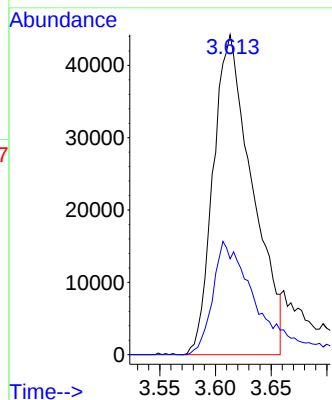
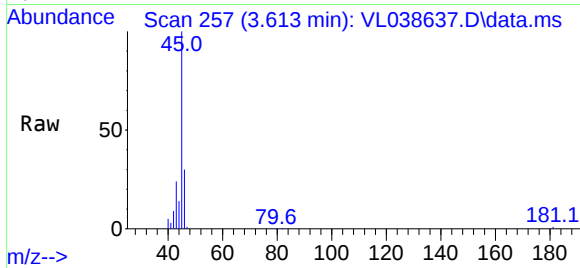




#13
Ethanol
Concen: 18.396 ppbv
RT: 3.613 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL038637.D
Acq: 17 Mar 2022 22:26

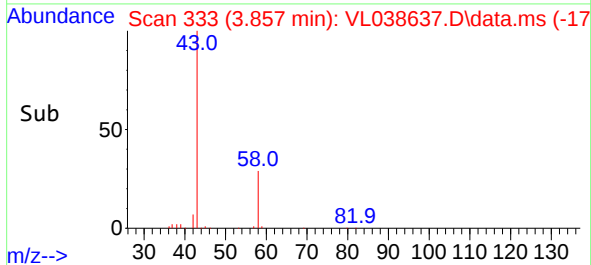
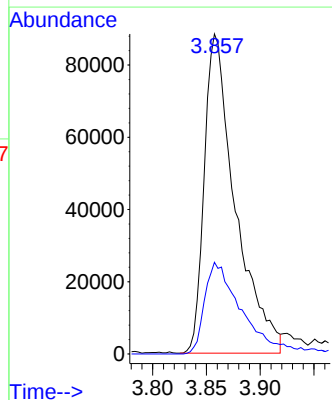
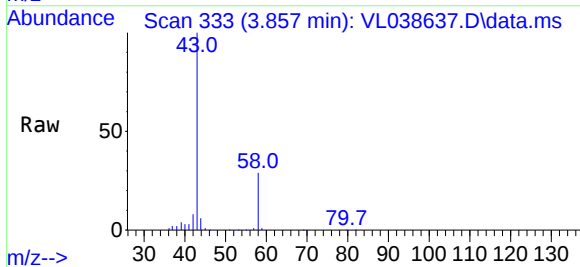
Instrument :
MSVOA_L
ClientSampleId :
COPA4

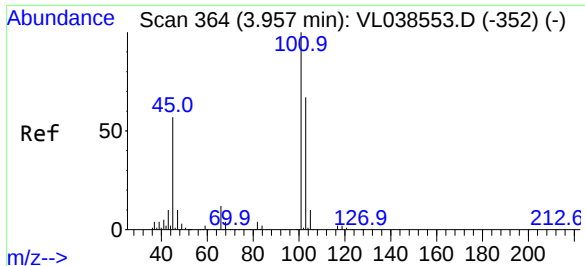
Tgt Ion: 45 Resp: 108051
Ion Ratio Lower Upper
45 100
46 41.0 16.8 67.0



#15
Acetone
Concen: 3.054 ppbv
RT: 3.857 min Scan# 333
Delta R.T. 0.016 min
Lab File: VL038637.D
Acq: 17 Mar 2022 22:26

Tgt Ion: 43 Resp: 177019
Ion Ratio Lower Upper
43 100
58 37.3 22.7 34.1#





#19

Isopropyl Alcohol

Concen: 0.655 ppbv

RT: 3.980 min Scan# 31

Delta R.T. 0.023 min

Lab File: VL038637.D

Acq: 17 Mar 2022 22:26

Instrument :

MSVOA_L

ClientSampleId :

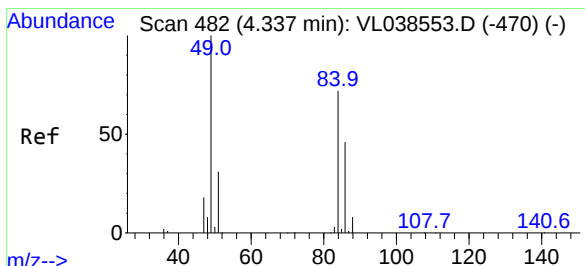
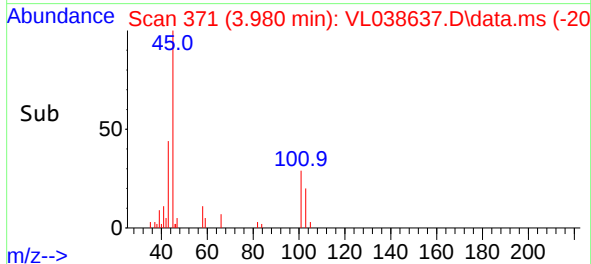
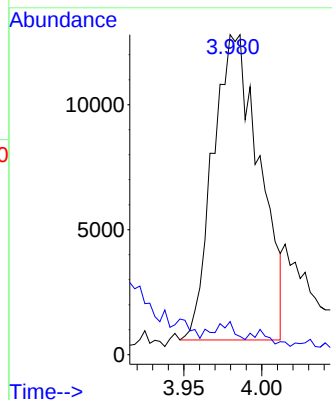
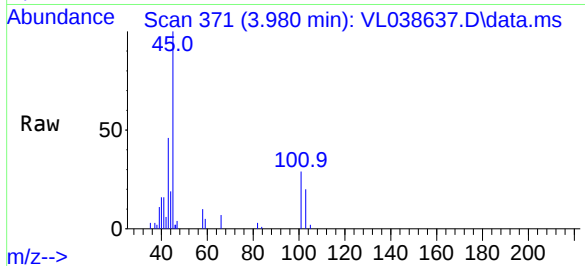
COPA4

Tgt Ion: 45 Resp: 25364

Ion Ratio Lower Upper

45 100

58 260.1 2.2 3.2#



#20

Methylene Chloride

Concen: 3.788 ppbv

RT: 4.349 min Scan# 486

Delta R.T. 0.013 min

Lab File: VL038637.D

Acq: 17 Mar 2022 22:26

Tgt Ion: 84 Resp: 132141

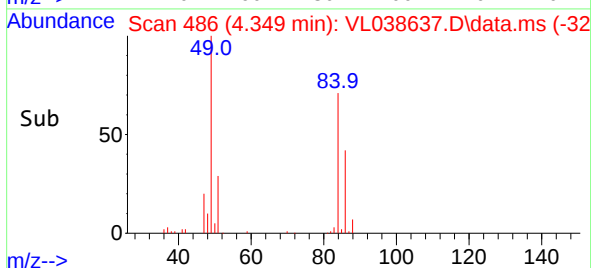
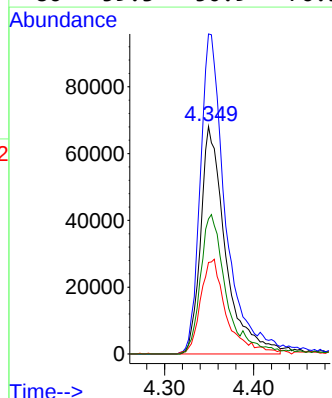
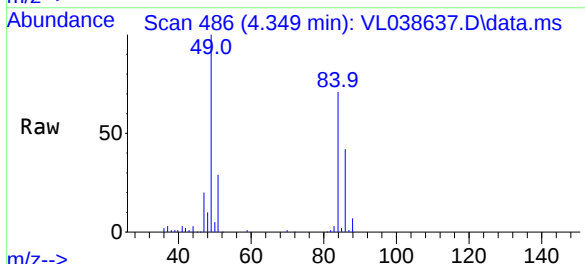
Ion Ratio Lower Upper

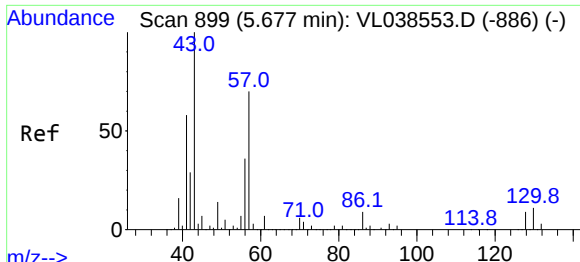
84 100

49 139.7 111.1 166.7

51 39.7 34.0 51.0

86 59.3 50.9 76.3

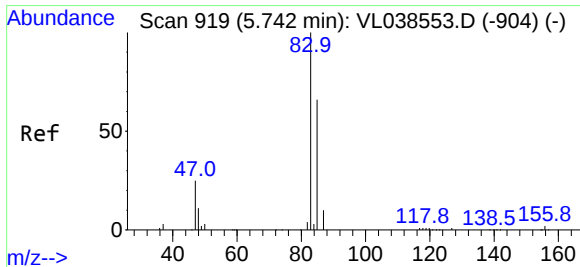
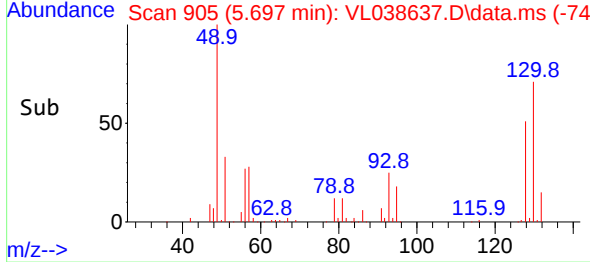
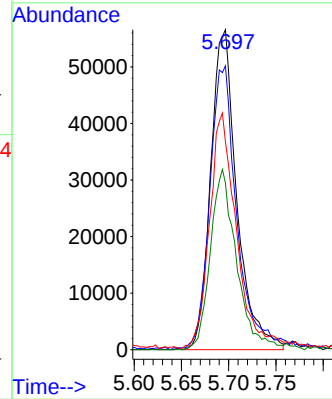
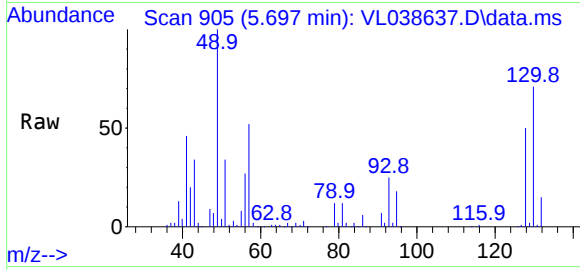




#26
Hexane
Concen: 1.189 ppbv
RT: 5.697 min Scan# 905
Delta R.T. 0.019 min
Lab File: VL038637.D
Acq: 17 Mar 2022 22:26

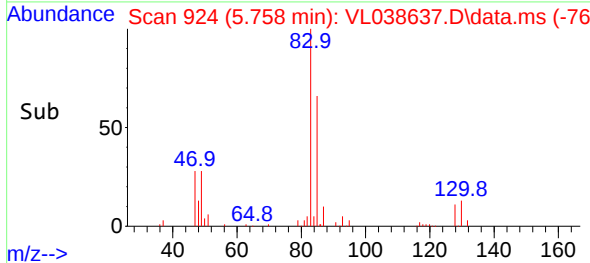
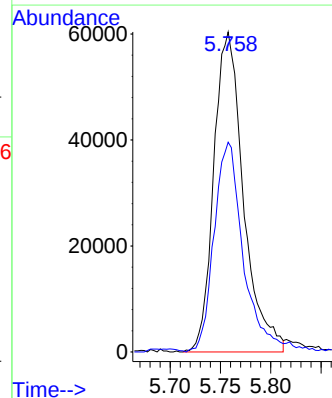
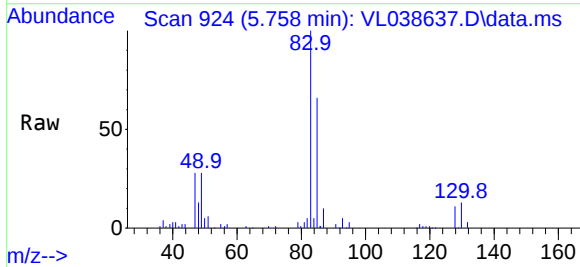
Instrument :
MSVOA_L
ClientSampleId :
C0PA4

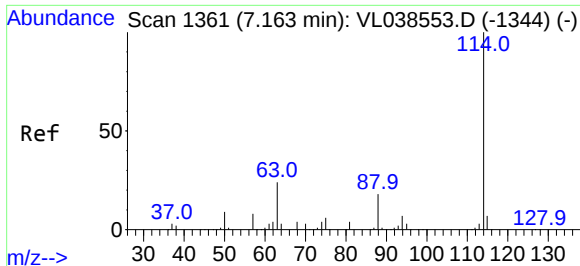
Tgt Ion: 57 Resp: 108966
Ion Ratio Lower Upper
57 100
41 92.7 67.8 101.6
43 75.4 173.6 260.4#
56 57.5 42.2 63.2



#29
Chloroform
Concen: 0.867 ppbv
RT: 5.758 min Scan# 924
Delta R.T. 0.016 min
Lab File: VL038637.D
Acq: 17 Mar 2022 22:26

Tgt Ion: 83 Resp: 123633
Ion Ratio Lower Upper
83 100
85 65.2 52.8 79.2

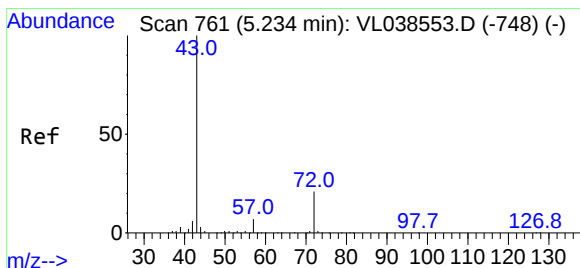
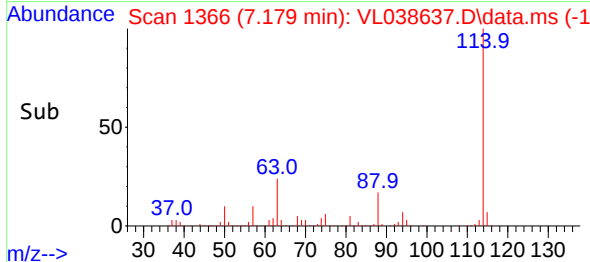
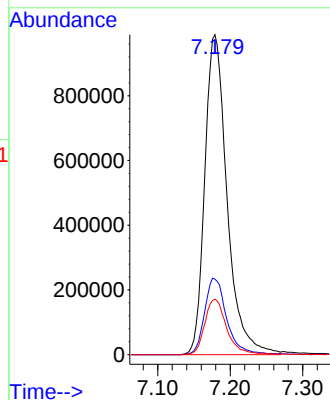
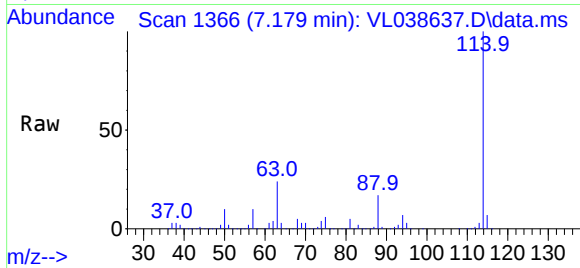




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL038637.D
Acq: 17 Mar 2022 22:26

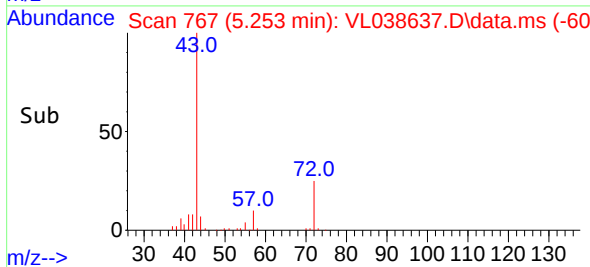
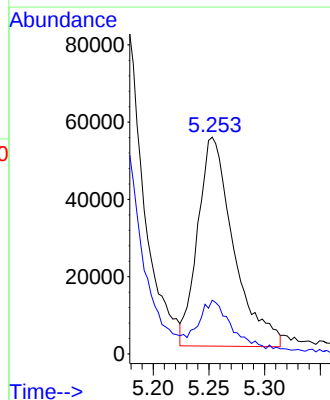
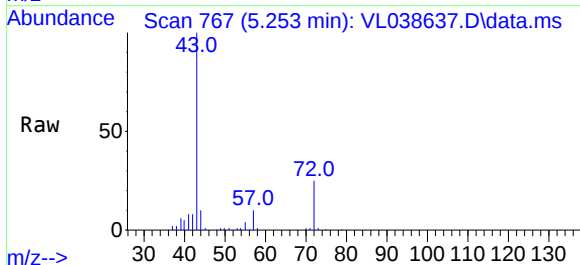
Instrument :
MSVOA_L
ClientSampleId :
COPA4

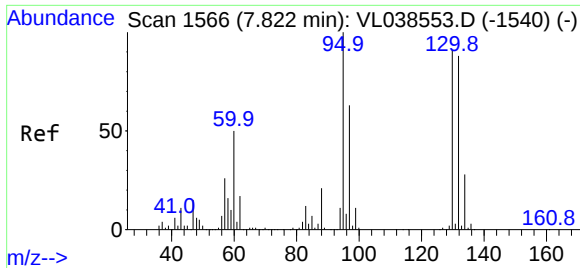
Tgt Ion:114 Resp: 2113965
Ion Ratio Lower Upper
114 100
63 24.0 19.6 29.4
88 17.3 13.9 20.9



#34
2-Butanone
Concen: 2.212 ppbv
RT: 5.253 min Scan# 767
Delta R.T. 0.019 min
Lab File: VL038637.D
Acq: 17 Mar 2022 22:26

Tgt Ion: 43 Resp: 121213
Ion Ratio Lower Upper
43 100
72 28.8 17.8 26.6#



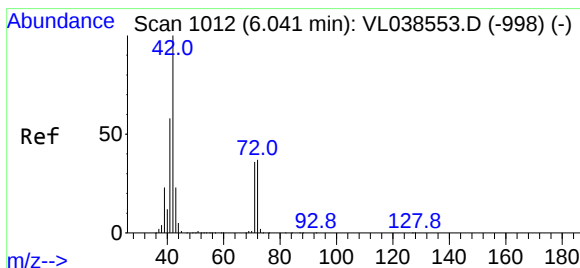
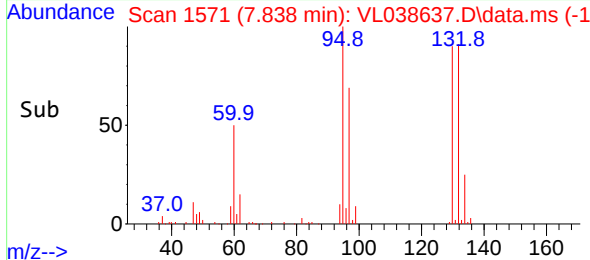
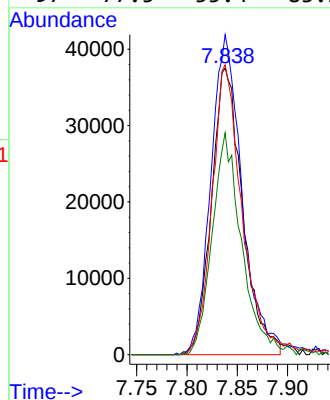
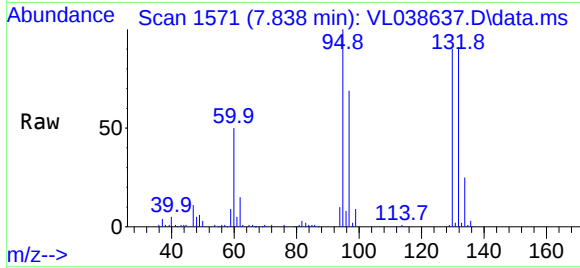


#38
Trichloroethene
Concen: 1.059 ppbv
RT: 7.838 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL038637.D
Acq: 17 Mar 2022 22:26

Instrument :
MSVOA_L
ClientSampleId :
COPA4

Tgt Ion:130 Resp: 80680

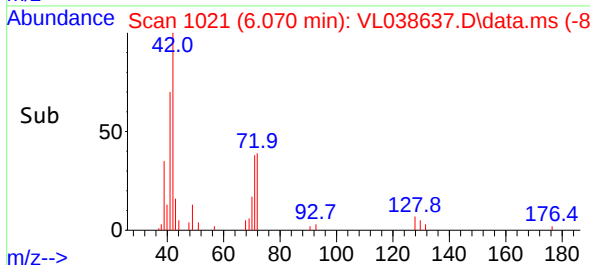
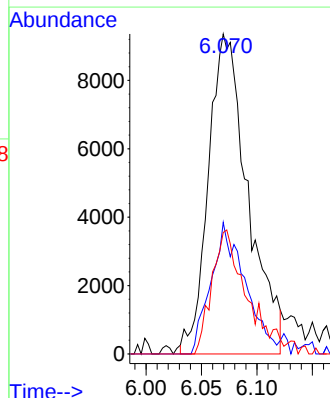
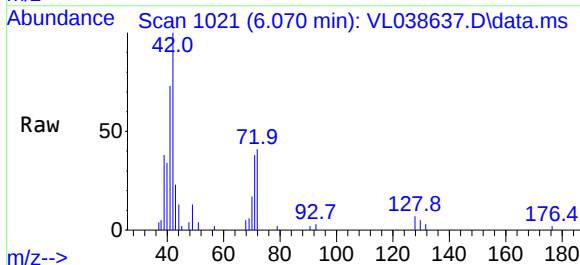
Ion	Ratio	Lower	Upper
130	100		
95	111.7	87.8	131.8
132	101.1	77.5	116.3
97	77.5	55.4	83.2



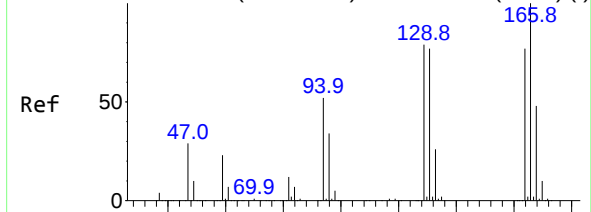
#41
Tetrahydrofuran
Concen: 0.516 ppbv m
RT: 6.070 min Scan# 1021
Delta R.T. 0.029 min
Lab File: VL038637.D
Acq: 17 Mar 2022 22:26

Tgt Ion: 42 Resp: 23135

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.9	46.3#
71	0.0	29.1	43.7#

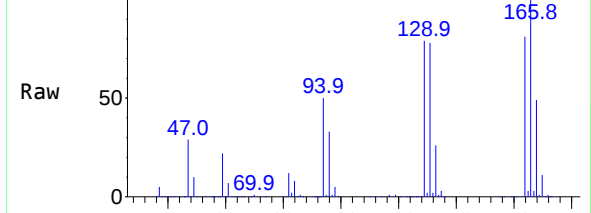


Abundance Scan 2620 (11.211 min): VL038553.D (-2604) (-)



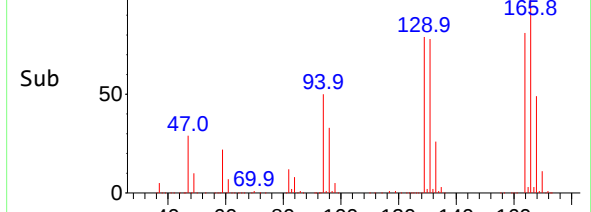
m/z-->

Abundance Scan 2626 (11.230 min): VL038637.D\data.ms



m/z-->

Abundance Scan 2626 (11.230 min): VL038637.D\data.ms (-



m/z-->

#52

Tetrachloroethene

Concen: 43.608 ppbv

RT: 11.230 min Scan# 2

Delta R.T. 0.019 min

Lab File: VL038637.D

Acq: 17 Mar 2022 22:26

Instrument :

MSVOA_L

ClientSampleId :

COPA4

Tgt Ion:164 Resp: 3049099

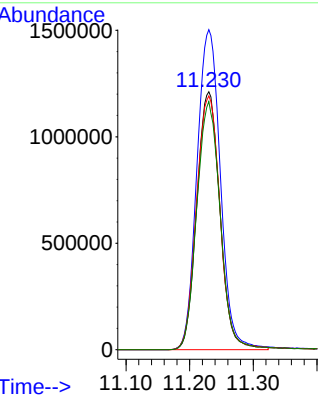
Ion Ratio Lower Upper

164 100

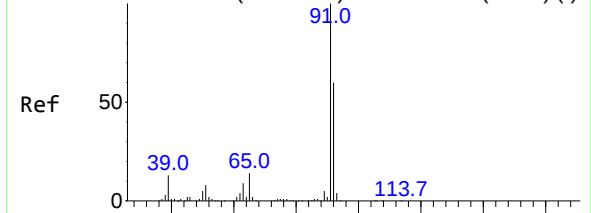
166 124.1 103.4 155.2

129 98.4 81.3 121.9

131 96.2 79.8 119.8

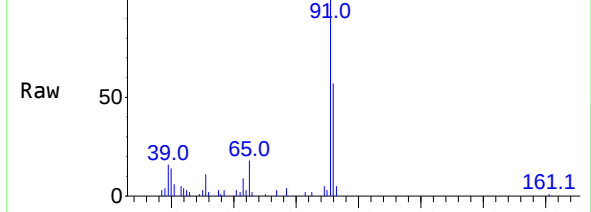


Abundance Scan 2179 (9.793 min): VL038553.D (-2161) (-)



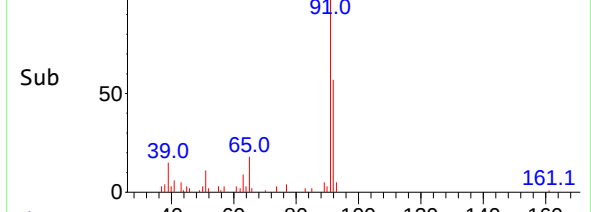
m/z-->

Abundance Scan 2183 (9.806 min): VL038637.D\data.ms



m/z-->

Abundance Scan 2183 (9.806 min): VL038637.D\data.ms (-2



m/z-->

#53

Toluene

Concen: 0.157 ppbv

RT: 9.806 min Scan# 2183

Delta R.T. 0.013 min

Lab File: VL038637.D

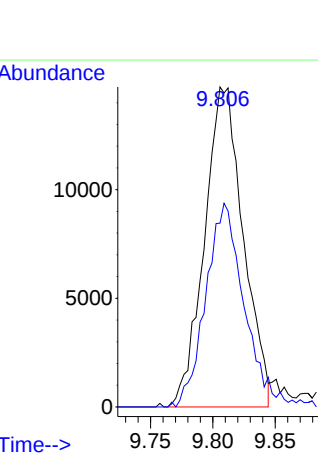
Acq: 17 Mar 2022 22:26

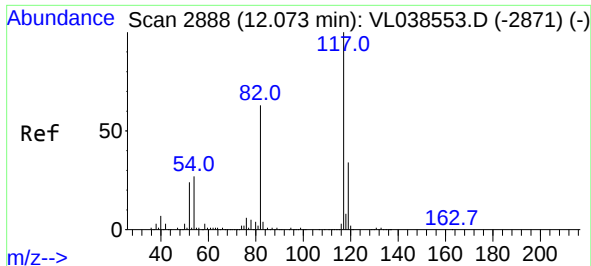
Tgt Ion: 91 Resp: 31979

Ion Ratio Lower Upper

91 100

92 63.2 48.1 72.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.089 min Scan# 21

Delta R.T. 0.016 min

Lab File: VL038637.D

Acq: 17 Mar 2022 22:26

Instrument :

MSVOA_L

ClientSampleId :

COPA4

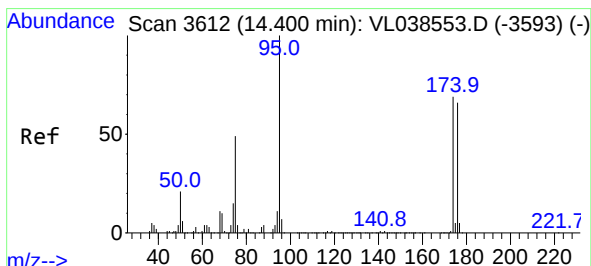
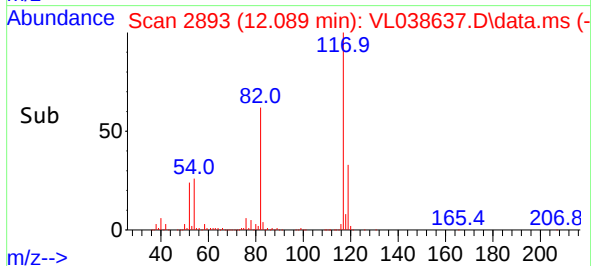
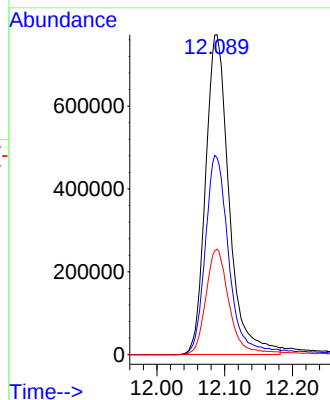
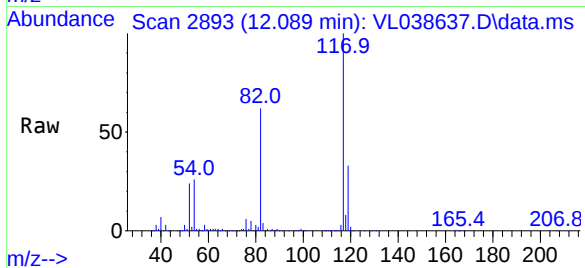
Tgt Ion:117 Resp: 1865217

Ion Ratio Lower Upper

117 100

82 64.3 52.5 78.7

119 33.7 46.4 69.6#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.055 ppbv

RT: 14.416 min Scan# 3617

Delta R.T. 0.016 min

Lab File: VL038637.D

Acq: 17 Mar 2022 22:26

Tgt Ion: 95 Resp: 1284097

Ion Ratio Lower Upper

95 100

174 72.8 56.2 84.4

175 5.2 4.2 6.2

