

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092222\
 Data File : VL039673.D
 Acq On : 22 Sep 2022 19:36
 Operator : SY/AP
 Sample : N4669-13DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PG5DL2

Quant Time: Sep 23 06:36:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Sep 19 14:26:28 2022
 Response via : Initial Calibration

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

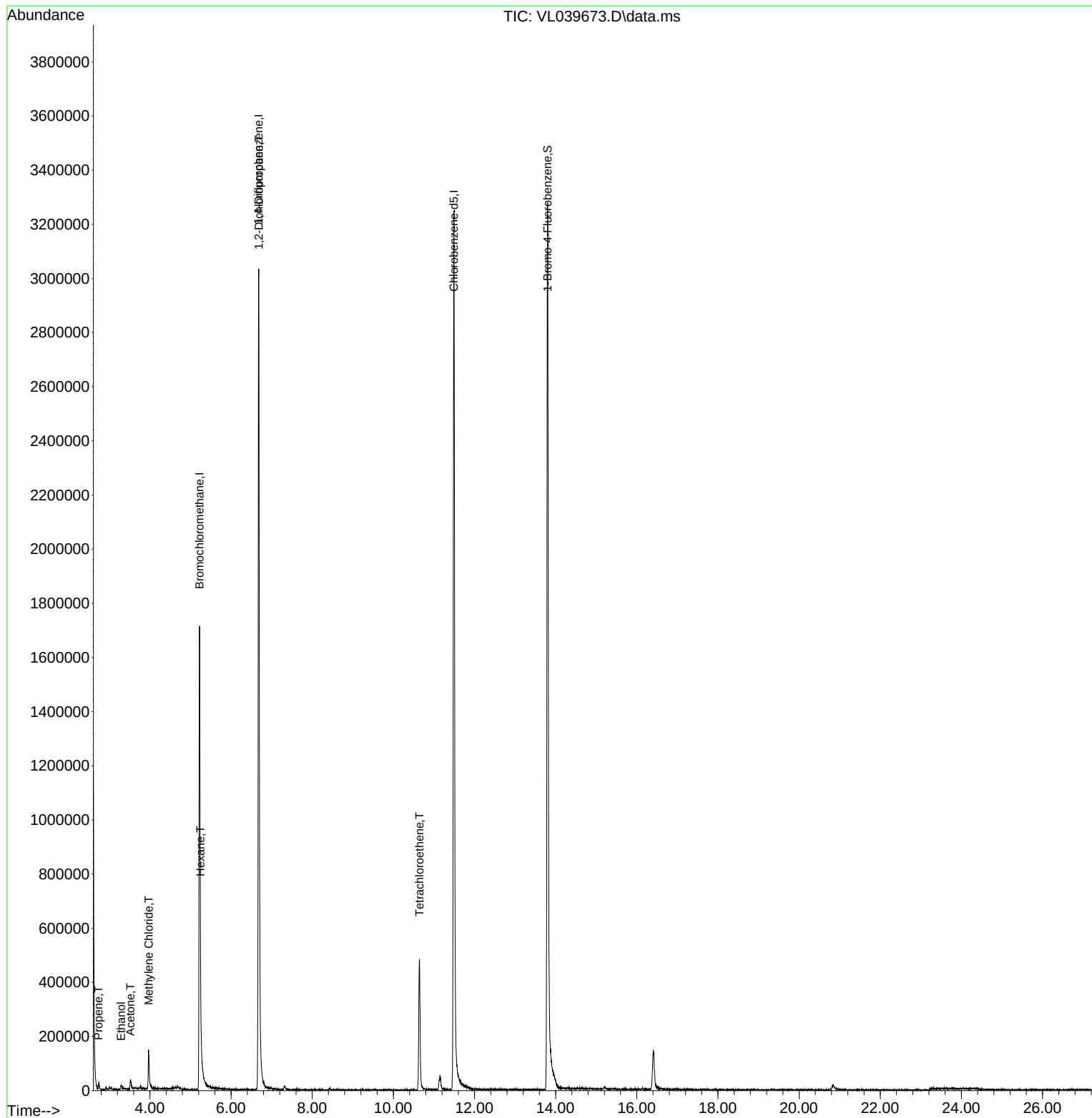
Internal Standards						
1) Bromochloromethane	5.221	49	881441	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.681	114	2372639	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.491	117	2169098	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	1624665	10.034	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.300%
Target Compounds						
					Qvalue	
9) Propene	2.732	41	2239	0.047	ppbv #	15
13) Ethanol	3.292	45	14417	3.961	ppbv	77
15) Acetone	3.517	43	25616	0.261	ppbv #	66
20) Methylene Chloride	3.967	84	44824	0.988	ppbv	89
26) Hexane	5.243	57	10157	0.112	ppbv #	37
39) 1,2-Dichloropropane	6.684	63	572669	8.176	ppbv #	24
52) Tetrachloroethene	10.645	164	120062	1.735	ppbv	95

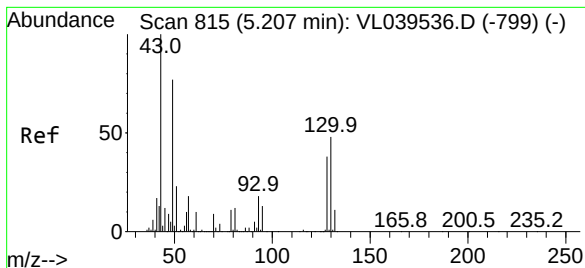
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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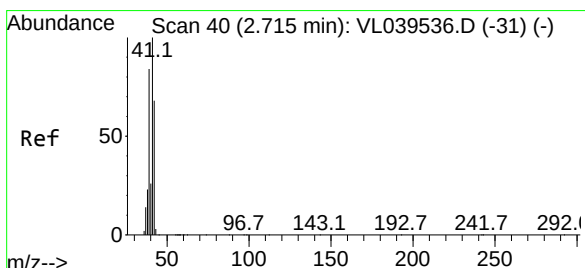
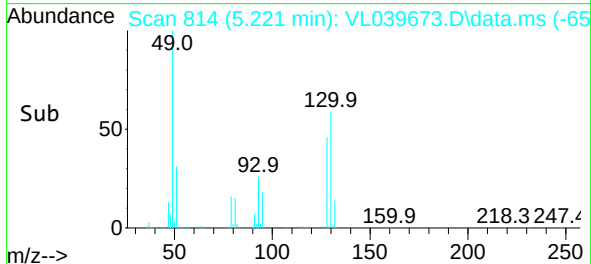
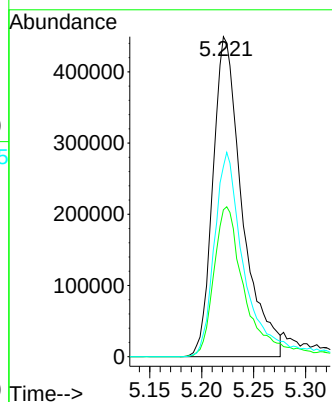
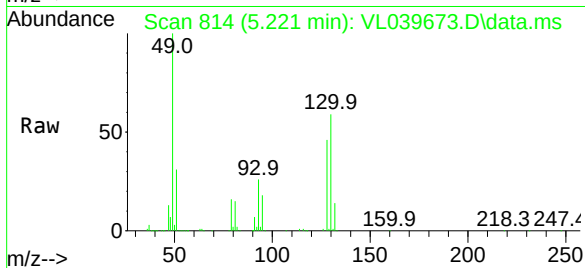




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.221 min Scan# 815
Delta R.T. 0.014 min
Lab File: VL039673.D
Acq: 22 Sep 2022 19:36

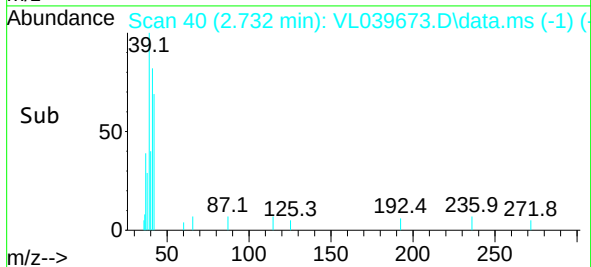
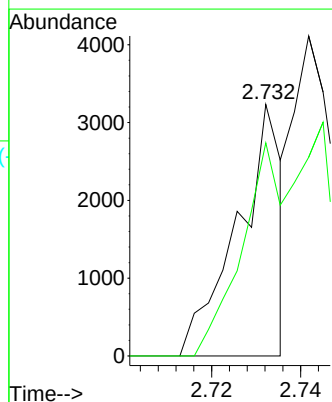
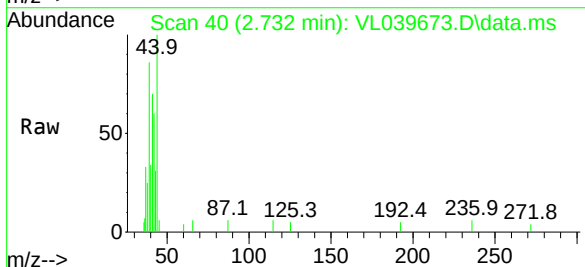
Instrument :
MSVOA_L
ClientSampleId :
C0PG5DL2

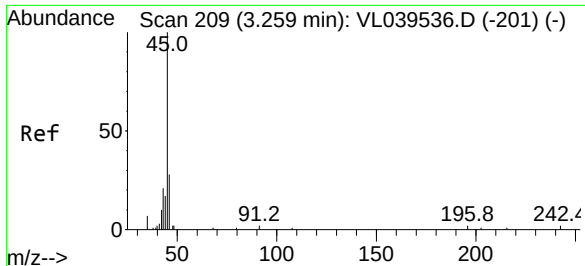
Tgt Ion: 49 Resp: 881441
Ion Ratio Lower Upper
49 100
128 52.3 26.7 80.0
130 68.2 34.3 102.8



#9
Propene
Concen: 0.047 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.017 min
Lab File: VL039673.D
Acq: 22 Sep 2022 19:36

Tgt Ion: 41 Resp: 2239
Ion Ratio Lower Upper
41 100
42 0.0 55.2 82.8#

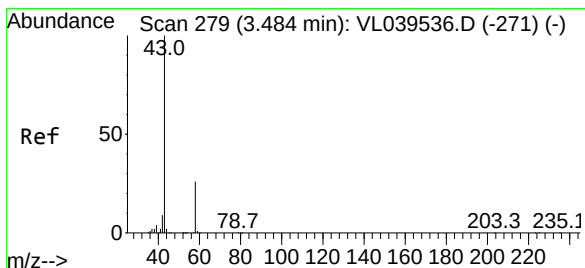
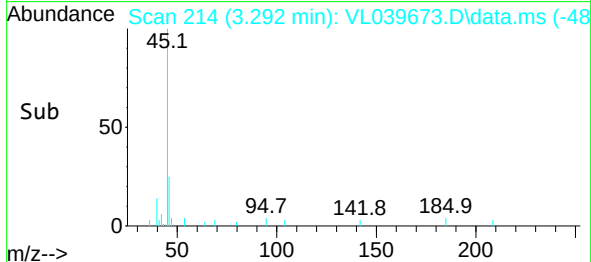
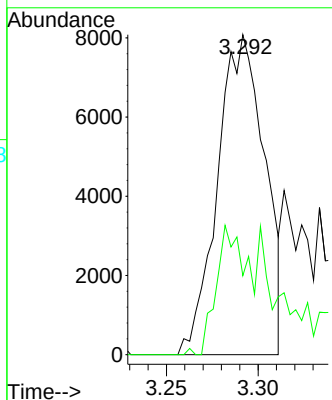
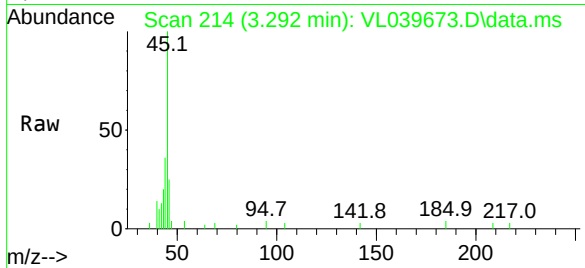




#13
Ethanol
Concen: 3.961 ppbv
RT: 3.292 min Scan# 214
Delta R.T. 0.033 min
Lab File: VL039673.D
Acq: 22 Sep 2022 19:36

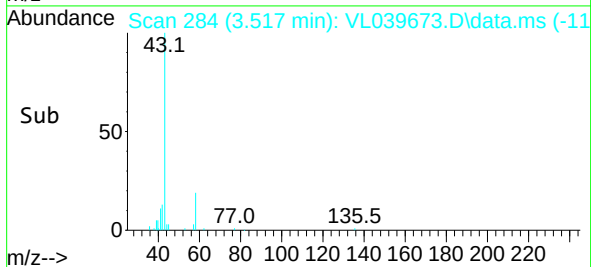
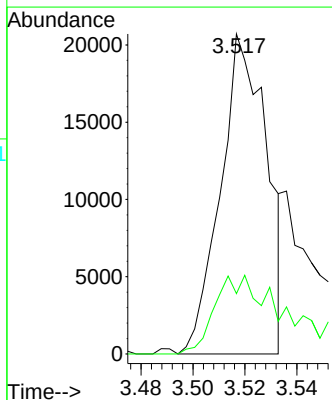
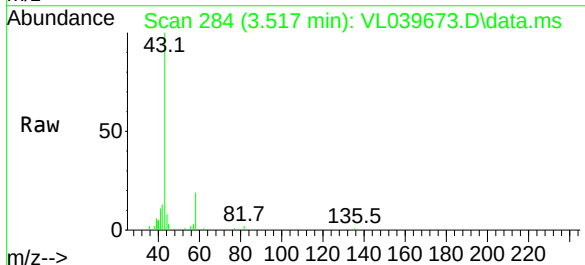
Instrument :
MSVOA_L
ClientSampleId :
C0PG5DL2

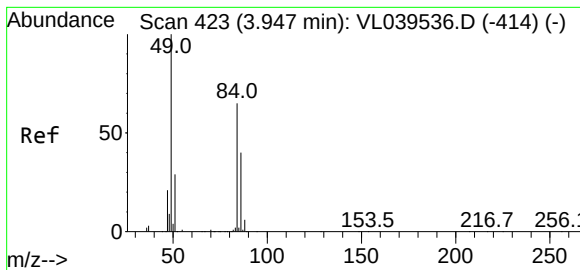
Tgt Ion: 45 Resp: 14417
Ion Ratio Lower Upper
45 100
46 40.0 22.8 91.2



#15
Acetone
Concen: 0.261 ppbv
RT: 3.517 min Scan# 284
Delta R.T. 0.033 min
Lab File: VL039673.D
Acq: 22 Sep 2022 19:36

Tgt Ion: 43 Resp: 25616
Ion Ratio Lower Upper
43 100
58 43.5 21.0 31.6#

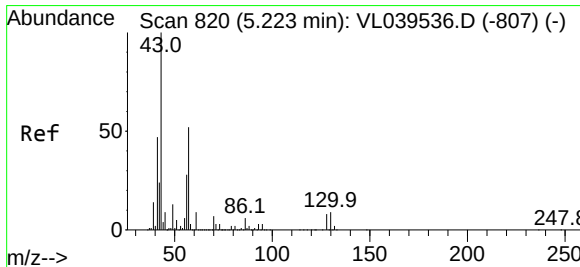
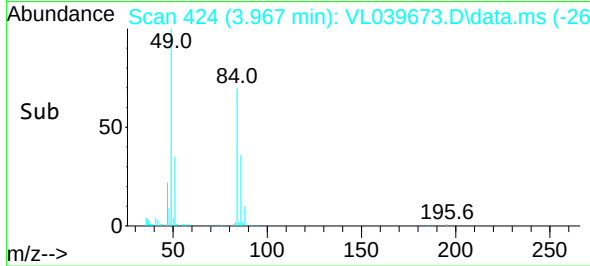
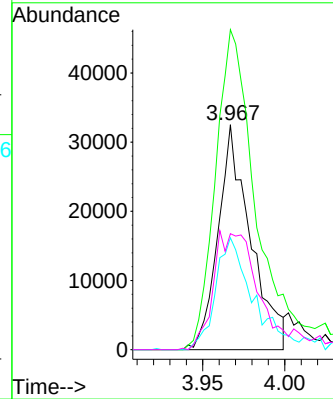
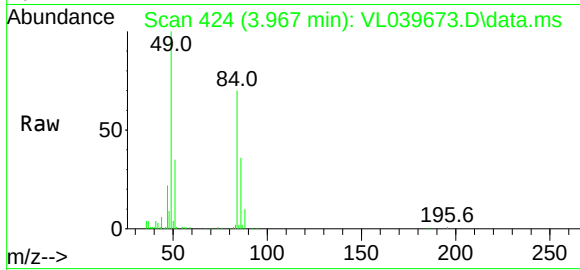




#20
Methylene Chloride
Concen: 0.988 ppbv
RT: 3.967 min Scan# 41
Delta R.T. 0.020 min
Lab File: VL039673.D
Acq: 22 Sep 2022 19:36

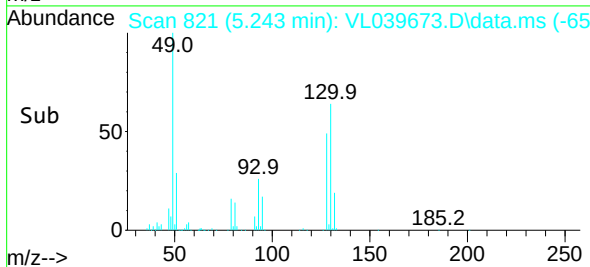
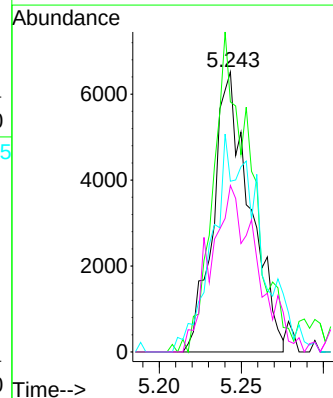
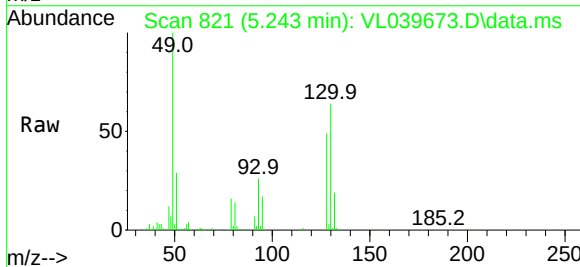
Instrument :
MSVOA_L
ClientSampleId :
C0PG5DL2

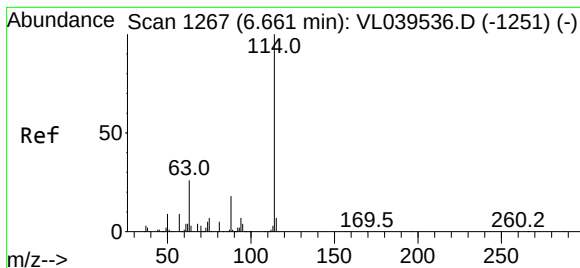
Tgt Ion: 84	Resp: 44824
Ion Ratio	Lower Upper
84 100	
49 142.3	123.1 184.7
51 51.3	34.4 51.6
86 53.5	51.1 76.7



#26
Hexane
Concen: 0.112 ppbv
RT: 5.243 min Scan# 821
Delta R.T. 0.020 min
Lab File: VL039673.D
Acq: 22 Sep 2022 19:36

Tgt Ion: 57	Resp: 10157
Ion Ratio	Lower Upper
57 100	
41 131.2	76.9 115.3#
43 99.9	191.0 286.6#
56 75.2	43.2 64.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.681 min Scan# 1268

Delta R.T. 0.020 min

Lab File: VL039673.D

Acq: 22 Sep 2022 19:36

Instrument :

MSVOA_L

ClientSampleId :

C0PG5DL2

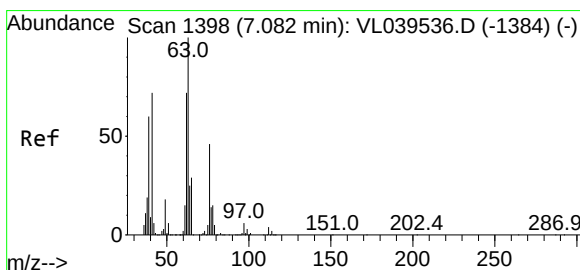
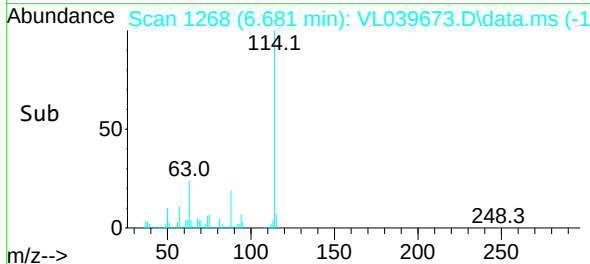
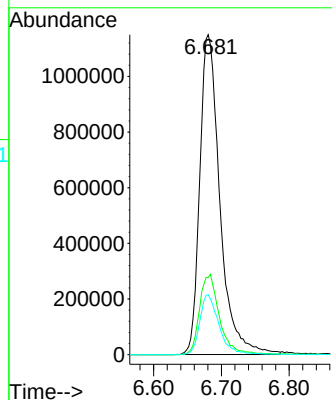
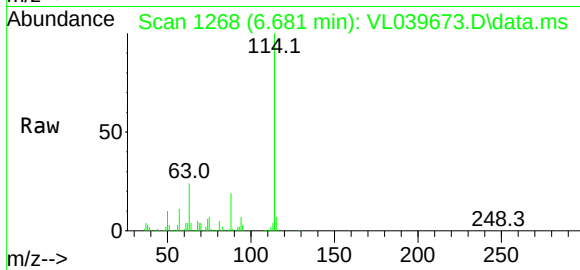
Tgt Ion:114 Resp: 2372639

Ion Ratio Lower Upper

114 100

63 25.0 20.2 30.4

88 18.2 14.5 21.7



#39

1,2-Dichloropropane

Concen: 8.176 ppbv

RT: 6.684 min Scan# 1269

Delta R.T. -0.398 min

Lab File: VL039673.D

Acq: 22 Sep 2022 19:36

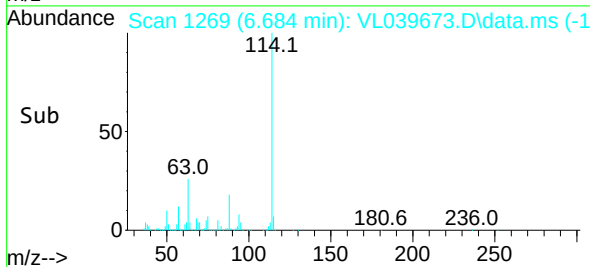
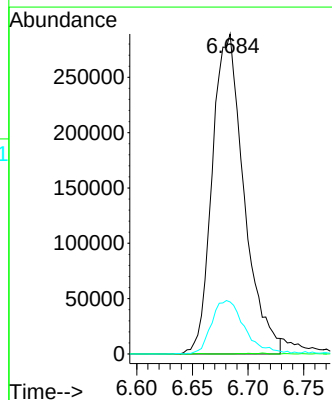
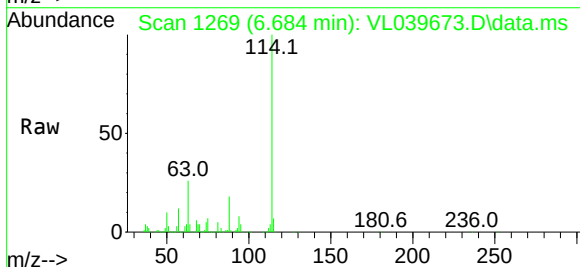
Tgt Ion: 63 Resp: 572669

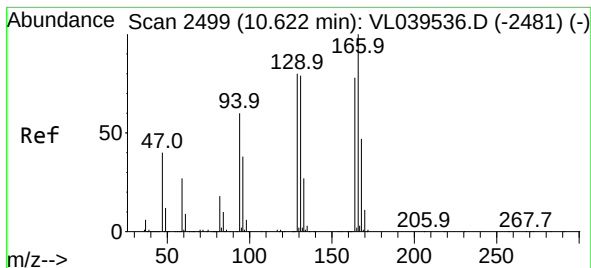
Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 16.1 51.4 77.0#





#52

Tetrachloroethene

Concen: 1.735 ppbv

RT: 10.645 min Scan# 21

Delta R.T. 0.023 min

Lab File: VL039673.D

Acq: 22 Sep 2022 19:36

Instrument :

MSVOA_1

ClientSampleId :

C0PG5DL2

Tgt Ion:164 Resp: 120062

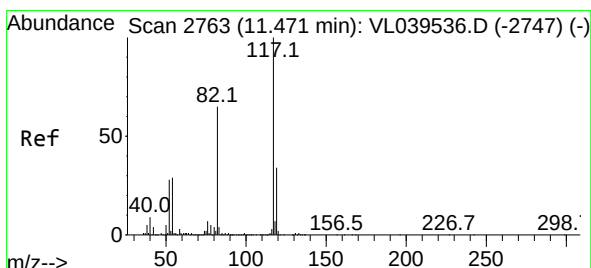
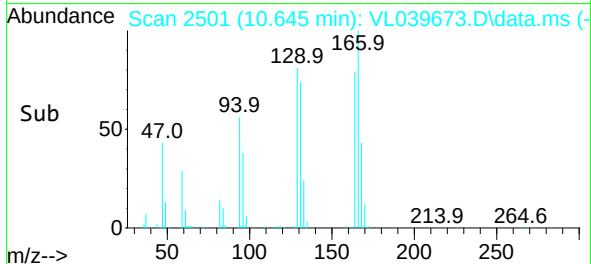
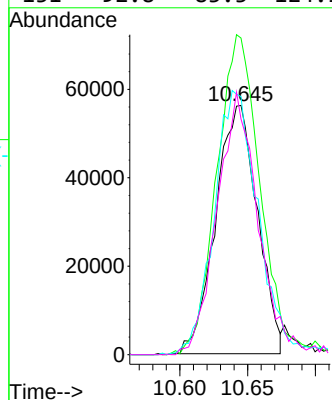
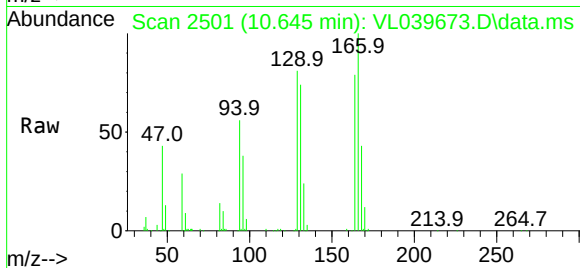
Ion Ratio Lower Upper

164 100

166 127.1 102.2 153.2

129 101.8 85.8 128.8

131 92.8 83.3 124.9



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.491 min Scan# 2764

Delta R.T. 0.020 min

Lab File: VL039673.D

Acq: 22 Sep 2022 19:36

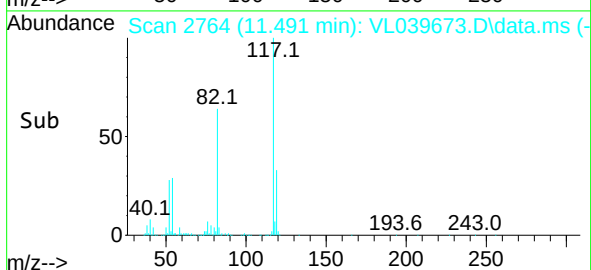
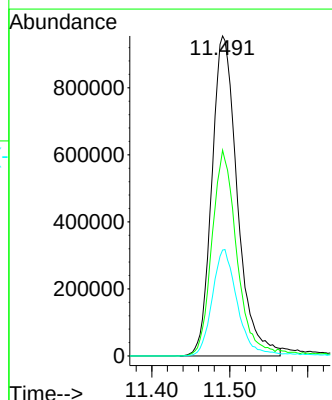
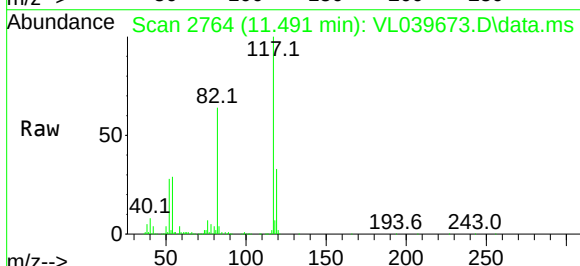
Tgt Ion:117 Resp: 2169098

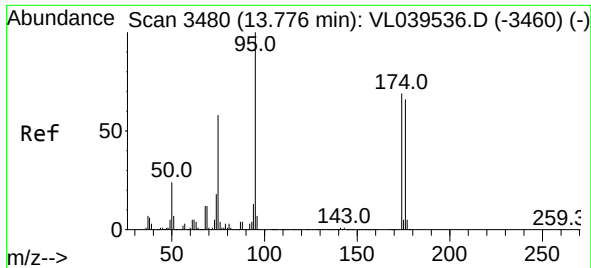
Ion Ratio Lower Upper

117 100

82 64.5 50.8 76.2

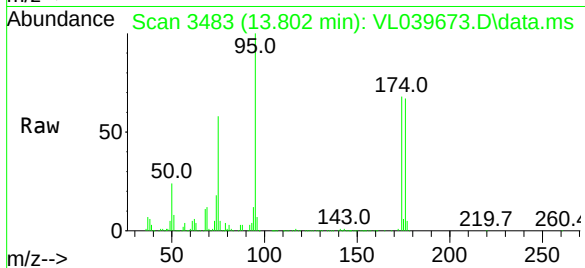
119 33.9 24.1 36.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.034 ppbv
 RT: 13.802 min Scan# 34
 Delta R.T. 0.026 min
 Lab File: VL039673.D
 Acq: 22 Sep 2022 19:36

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PG5DL2



Tgt Ion: 95 Resp: 1624665

Ion	Ratio	Lower	Upper
95	100		
174	72.3	55.9	83.9
175	5.2	4.2	6.4

