

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030823\
 Data File : VL040257.D
 Acq On : 8 Mar 2023 16:53
 Operator : SY/MD
 Sample : 01836-03DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DC-3723-SSDL

Quant Time: Mar 09 04:14:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Mar 01 04:21:39 2023
 Response via : Initial Calibration

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

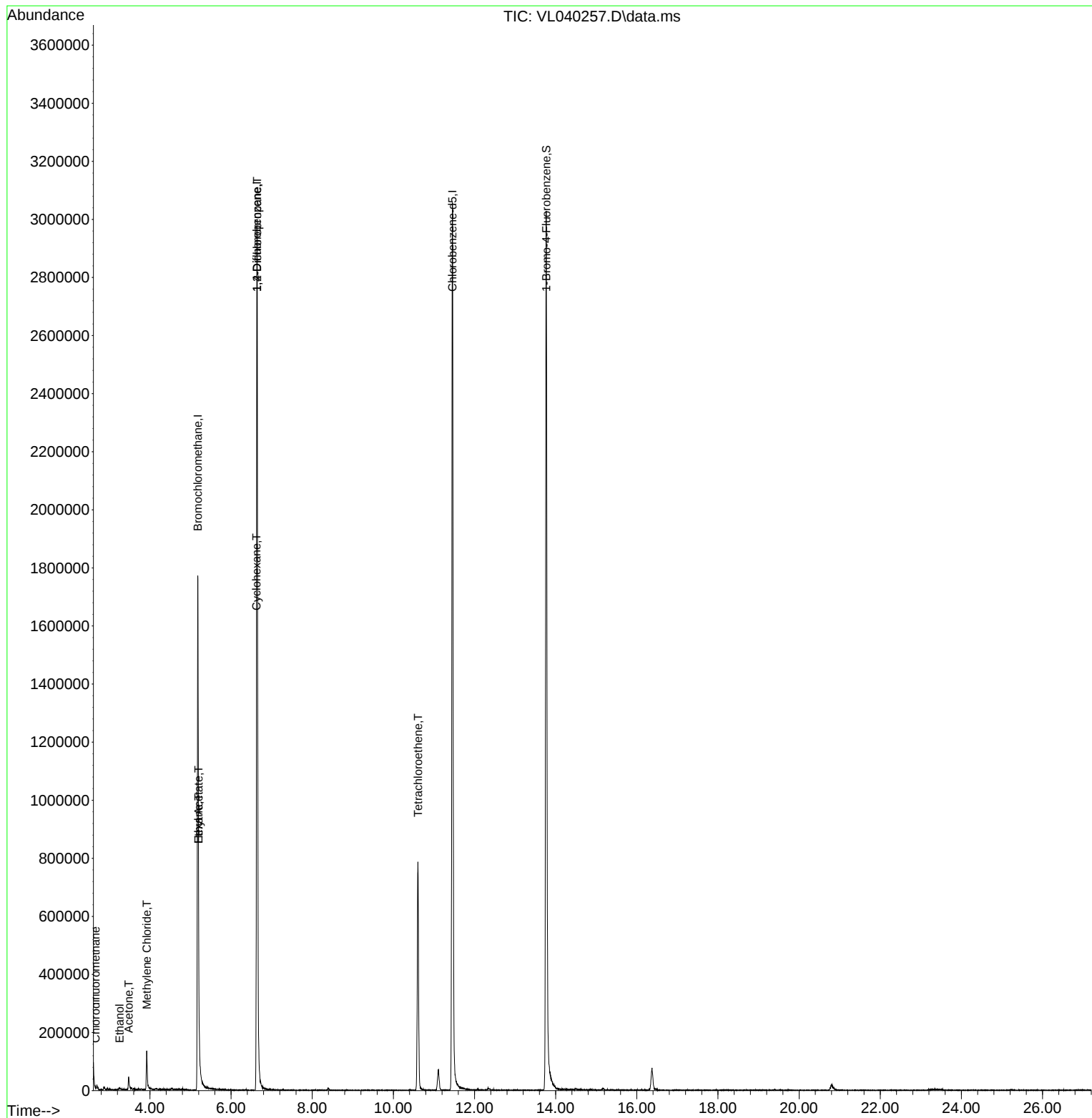
Internal Standards						
1) Bromochloromethane	5.179	49	875149	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.639	114	2176564	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.455	117	1904325	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1511500	9.652	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.500%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.661	51	4153	0.040	ppbv	98
13) Ethanol	3.253	45	3951	1.007	ppbv #	26
15) Acetone	3.475	43	46893	0.445	ppbv	95
20) Methylene Chloride	3.925	84	44505	0.811	ppbv	91
25) Ethyl Acetate	5.198	43	14391	0.073	ppbv #	76
26) Hexane	5.198	57	18156	0.216	ppbv #	32
30) Cyclohexane	6.626	84	5720	0.087	ppbv #	1
39) 1,2-Dichloropropane	6.642	63	554328	8.413	ppbv #	26
52) Tetrachloroethene	10.606	164	168861	3.193	ppbv	97

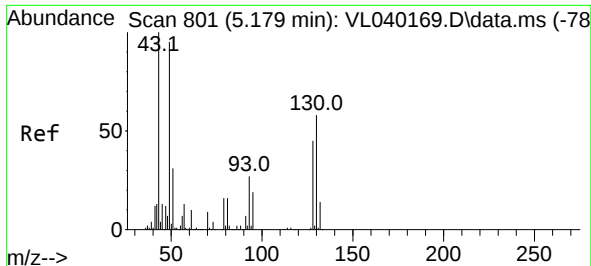
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 09 04:14:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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Response via : Initial Calibration

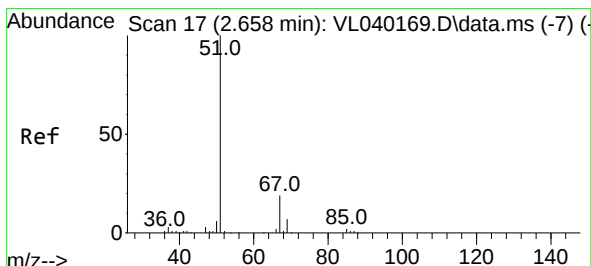
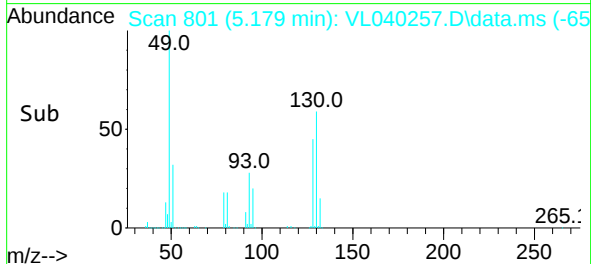
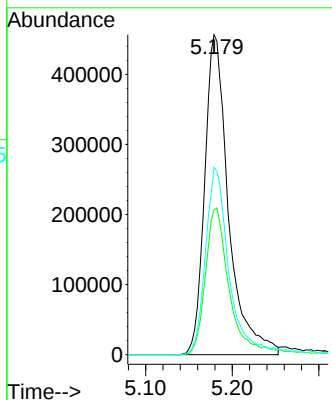
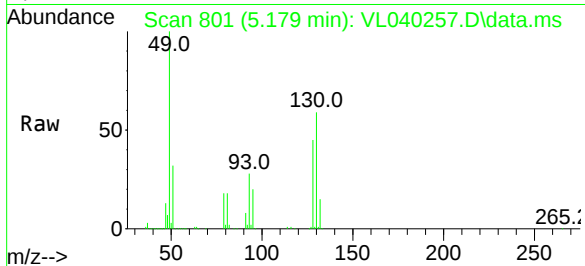




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.179 min Scan# 80
 Delta R.T. -0.022 min
 Lab File: VL040257.D
 Acq: 8 Mar 2023 16:53

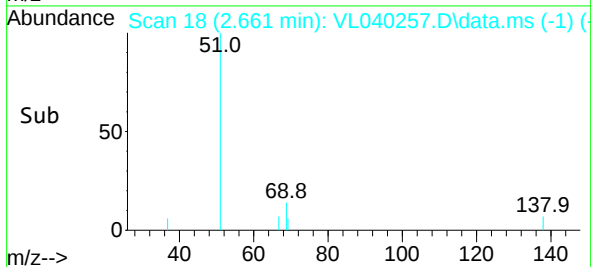
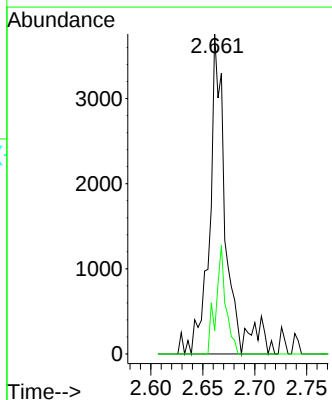
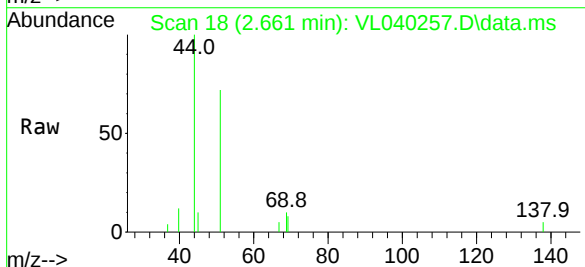
Instrument :
 MSVOA_L
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 DC-3723-SSDL

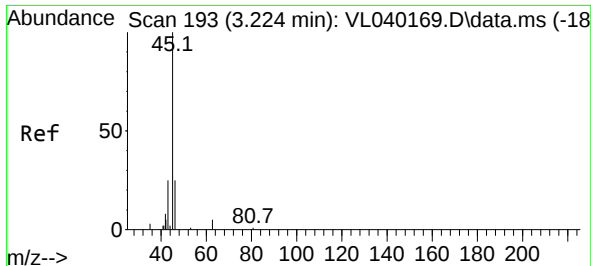
Tgt Ion: 49 Resp: 875149
 Ion Ratio Lower Upper
 49 100
 128 47.5 24.1 72.3
 130 59.0 30.9 92.8



#3
 Chlorodifluoromethane
 Concen: 0.040 ppbv
 RT: 2.661 min Scan# 18
 Delta R.T. -0.010 min
 Lab File: VL040257.D
 Acq: 8 Mar 2023 16:53

Tgt Ion: 51 Resp: 4153
 Ion Ratio Lower Upper
 51 100
 67 20.3 15.4 23.2

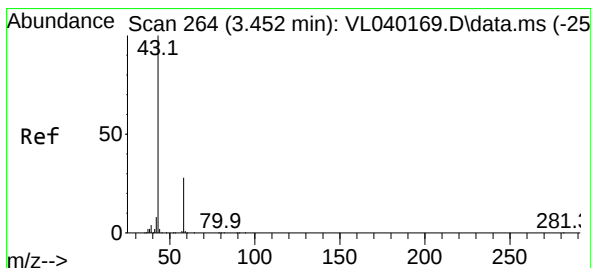
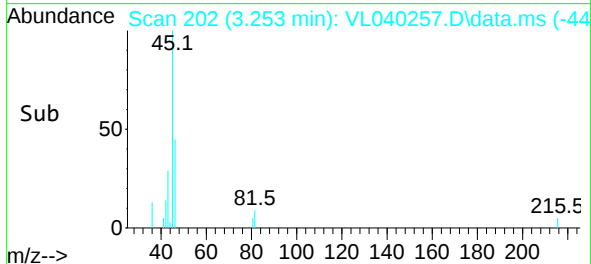
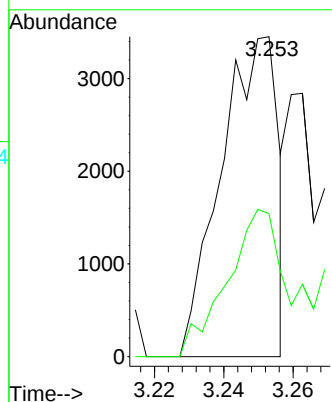
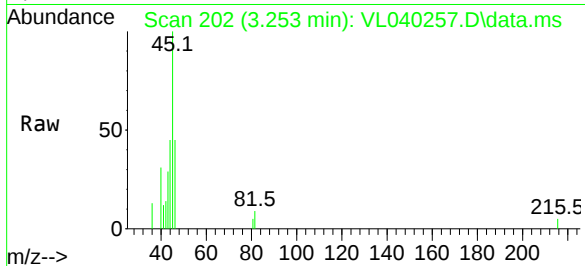




#13
Ethanol
Concen: 1.007 ppbv
RT: 3.253 min Scan# 20
Delta R.T. 0.007 min
Lab File: VL040257.D
Acq: 8 Mar 2023 16:53

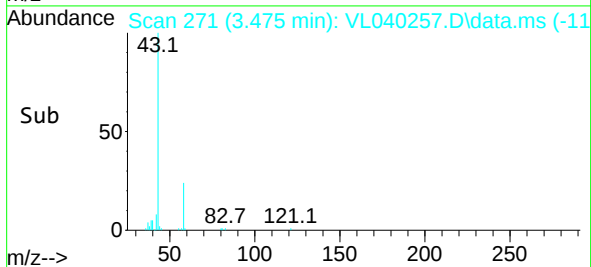
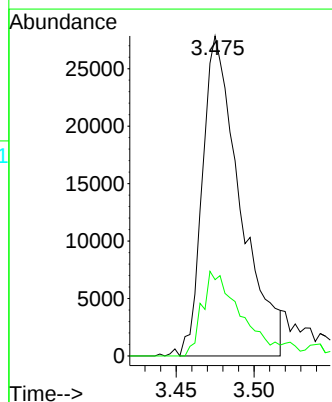
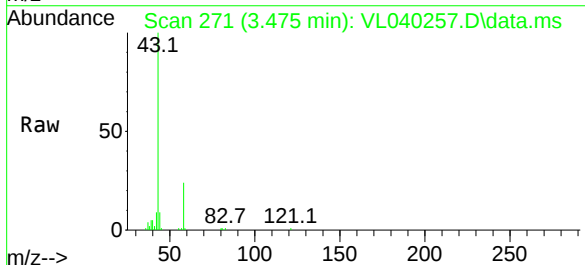
Instrument :
MSVOA_L
ClientSampleId :
DC-3723-SSDL

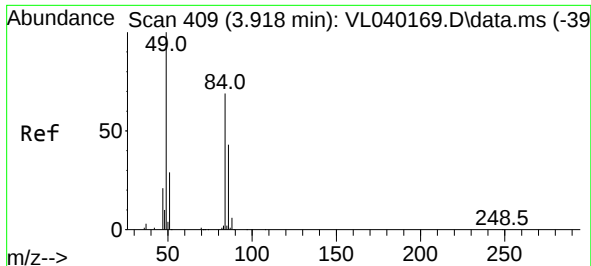
Tgt Ion: 45 Resp: 3951
Ion Ratio Lower Upper
45 100
46 75.2 13.3 53.1#



#15
Acetone
Concen: 0.445 ppbv
RT: 3.475 min Scan# 271
Delta R.T. 0.007 min
Lab File: VL040257.D
Acq: 8 Mar 2023 16:53

Tgt Ion: 43 Resp: 46893
Ion Ratio Lower Upper
43 100
58 30.9 22.4 33.6

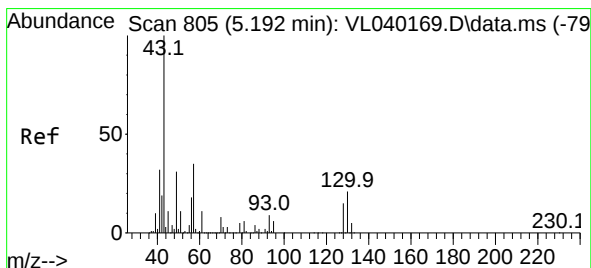
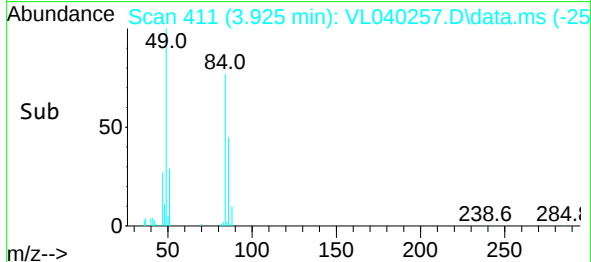
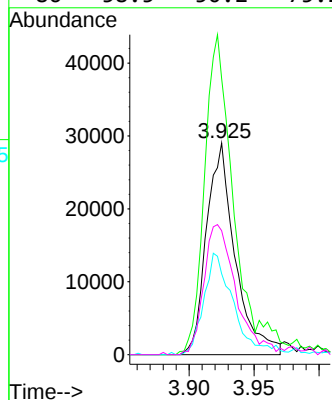
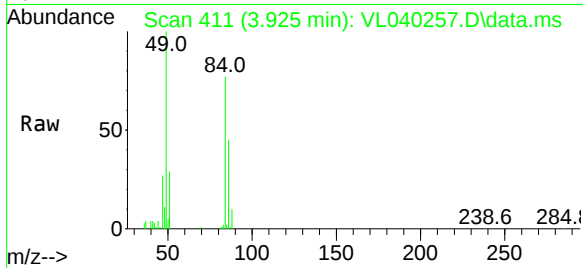




#20
Methylene Chloride
Concen: 0.811 ppbv
RT: 3.925 min Scan# 411
Delta R.T. -0.010 min
Lab File: VL040257.D
Acq: 8 Mar 2023 16:53

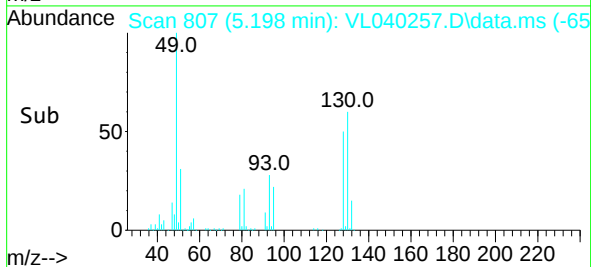
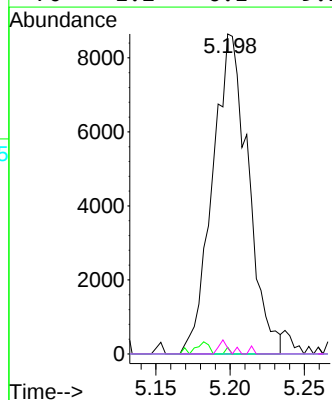
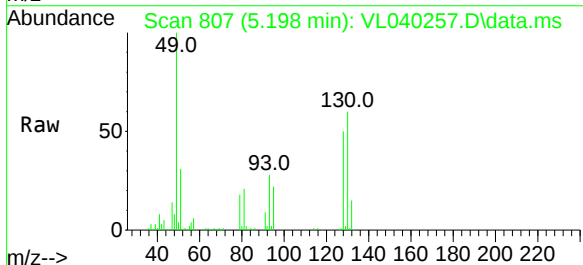
Instrument :
MSVOA_L
ClientSampleId :
DC-3723-SSDL

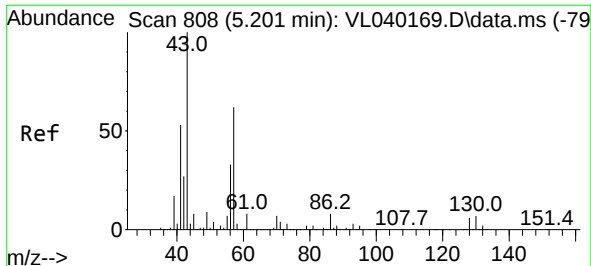
Tgt Ion: 84 Resp: 44505
Ion Ratio Lower Upper
84 100
49 128.9 115.5 173.3
51 38.2 33.1 49.7
86 58.5 50.2 75.2



#25
Ethyl Acetate
Concen: 0.073 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.013 min
Lab File: VL040257.D
Acq: 8 Mar 2023 16:53

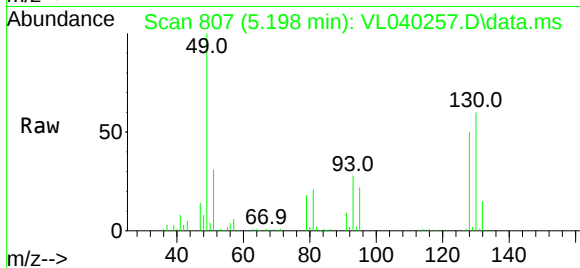
Tgt Ion: 43 Resp: 14391
Ion Ratio Lower Upper
43 100
45 1.7 8.3 12.5#
61 0.0 8.4 12.6#
70 1.2 6.1 9.1#



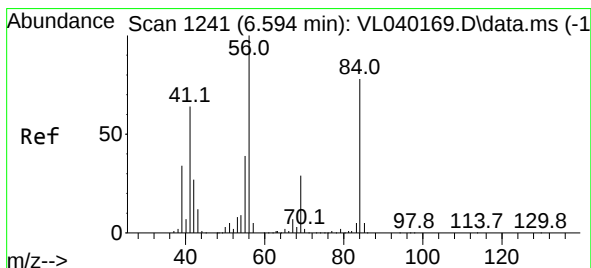
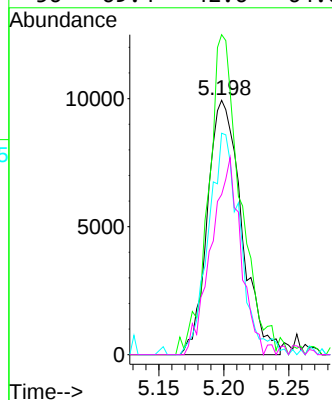
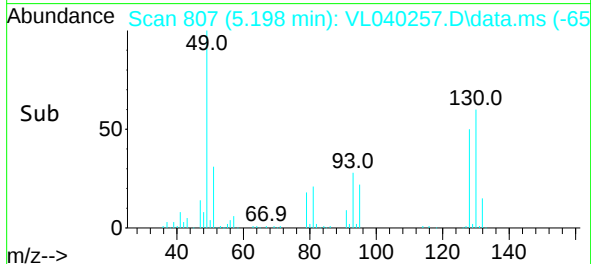


#26
Hexane
Concen: 0.216 ppbv
RT: 5.198 min Scan# 80
Delta R.T. -0.026 min
Lab File: VL040257.D
Acq: 8 Mar 2023 16:53

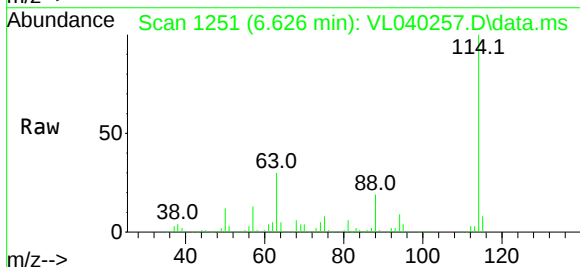
Instrument :
MSVOA_L
ClientSampleId :
DC-3723-SSDL



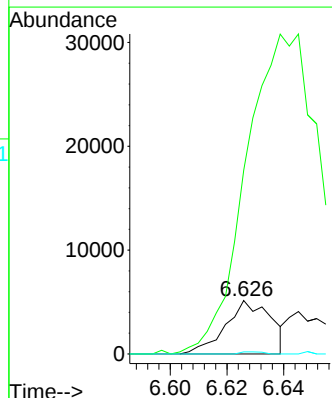
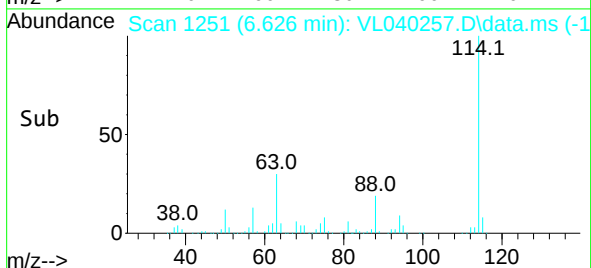
Tgt Ion: 57 Resp: 18156
Ion Ratio Lower Upper
57 100
41 119.1 74.3 111.5#
43 81.9 193.0 289.4#
56 69.4 42.6 64.0#

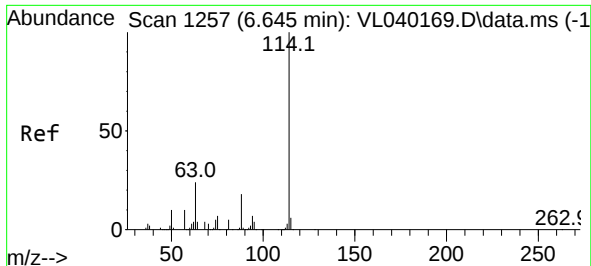


#30
Cyclohexane
Concen: 0.087 ppbv
RT: 6.626 min Scan# 1251
Delta R.T. 0.010 min
Lab File: VL040257.D
Acq: 8 Mar 2023 16:53



Tgt Ion: 84 Resp: 5720
Ion Ratio Lower Upper
84 100
56 0.0 109.9 164.9#
41 1.9 67.8 101.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 11

Delta R.T. -0.026 min

Lab File: VL040257.D

Acq: 8 Mar 2023 16:53

Instrument :

MSVOA_L

ClientSampleId :

DC-3723-SSDL

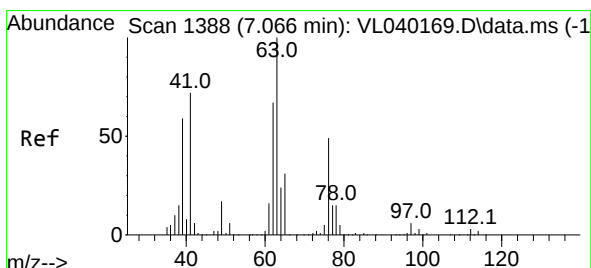
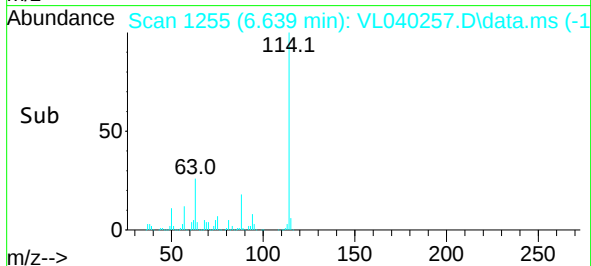
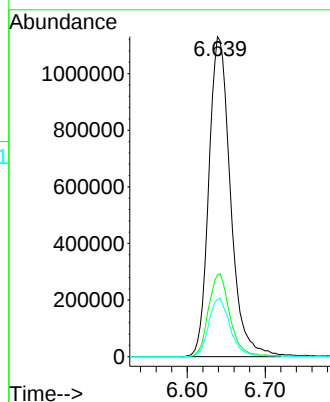
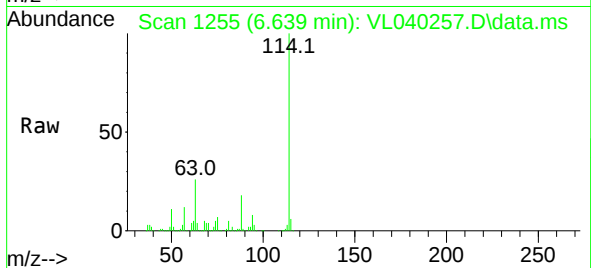
Tgt Ion:114 Resp: 2176564

Ion Ratio Lower Upper

114 100

63 26.1 20.4 30.6

88 18.3 14.3 21.5



#39

1,2-Dichloropropane

Concen: 8.413 ppbv

RT: 6.642 min Scan# 1256

Delta R.T. -0.444 min

Lab File: VL040257.D

Acq: 8 Mar 2023 16:53

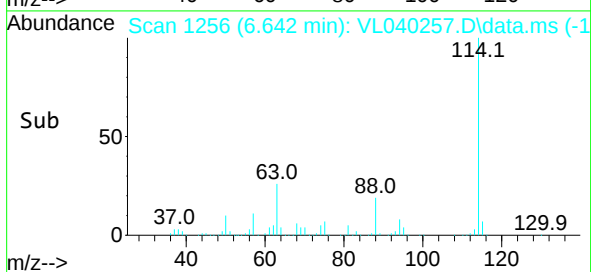
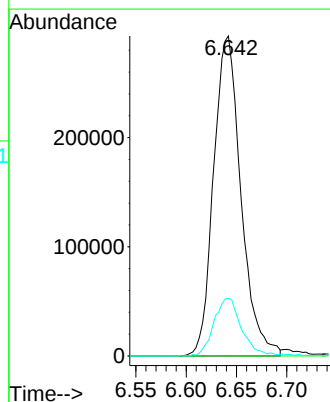
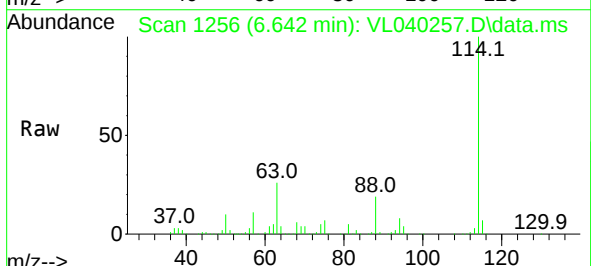
Tgt Ion: 63 Resp: 554328

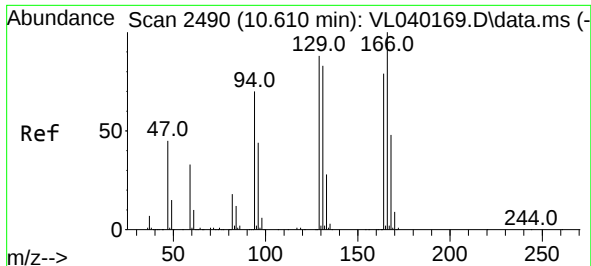
Ion Ratio Lower Upper

63 100

41 0.0 57.6 86.4#

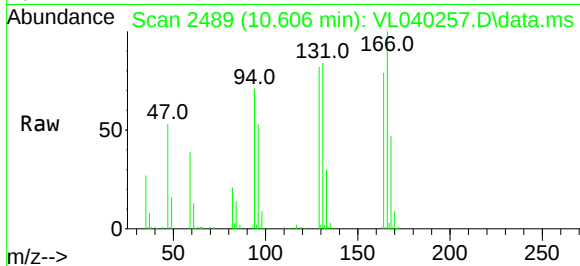
62 17.9 54.0 81.0#



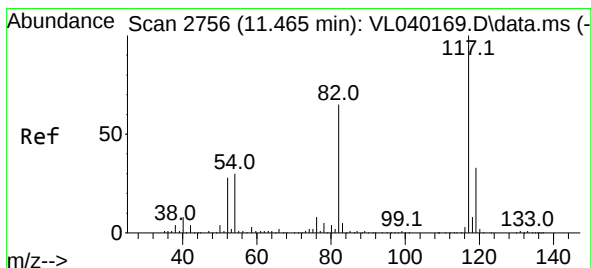
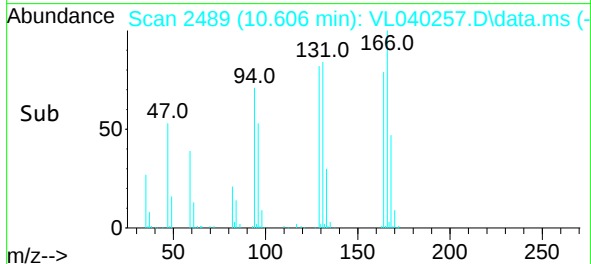
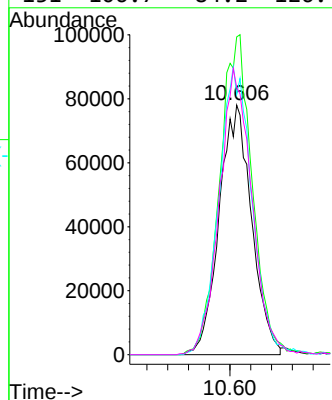


#52
Tetrachloroethene
Concen: 3.193 ppbv
RT: 10.606 min Scan# 2490
Delta R.T. -0.029 min
Lab File: VL040257.D
Acq: 8 Mar 2023 16:53

Instrument :
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DC-3723-SSDL

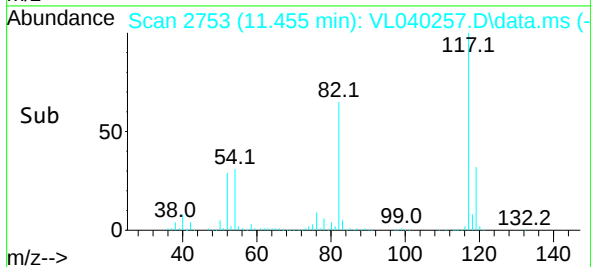
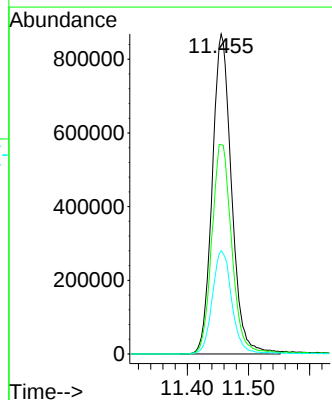
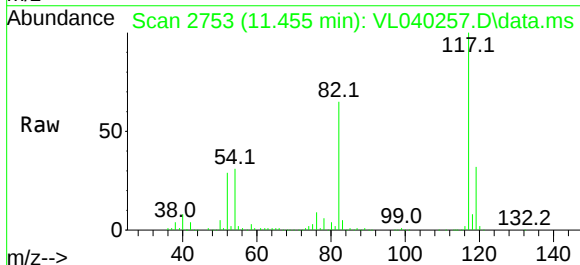


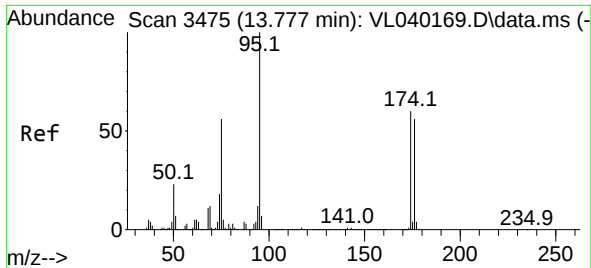
Tgt Ion:164 Resp: 168861
Ion Ratio Lower Upper
164 100
166 127.3 101.5 152.3
129 104.3 89.0 133.4
131 106.7 84.2 126.4



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 2753
Delta R.T. -0.032 min
Lab File: VL040257.D
Acq: 8 Mar 2023 16:53

Tgt Ion:117 Resp: 1904325
Ion Ratio Lower Upper
117 100
82 68.1 53.3 79.9
119 32.9 24.6 37.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.652 ppbv
 RT: 13.767 min Scan# 34
 Delta R.T. -0.029 min
 Lab File: VL040257.D
 Acq: 8 Mar 2023 16:53

Instrument :
 MSVOA_L
 ClientSampleId :
 DC-3723-SSDL

Tgt Ion: 95 Resp: 1511500

Ion	Ratio	Lower	Upper
95	100		
174	58.1	48.2	72.2
175	4.2	3.4	5.2

