

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030823\
 Data File : VL040258.D
 Acq On : 8 Mar 2023 17:31
 Operator : SY/MD
 Sample : 01836-03DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DC-3723-SSDL

Quant Time: Mar 09 04:14:41 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)

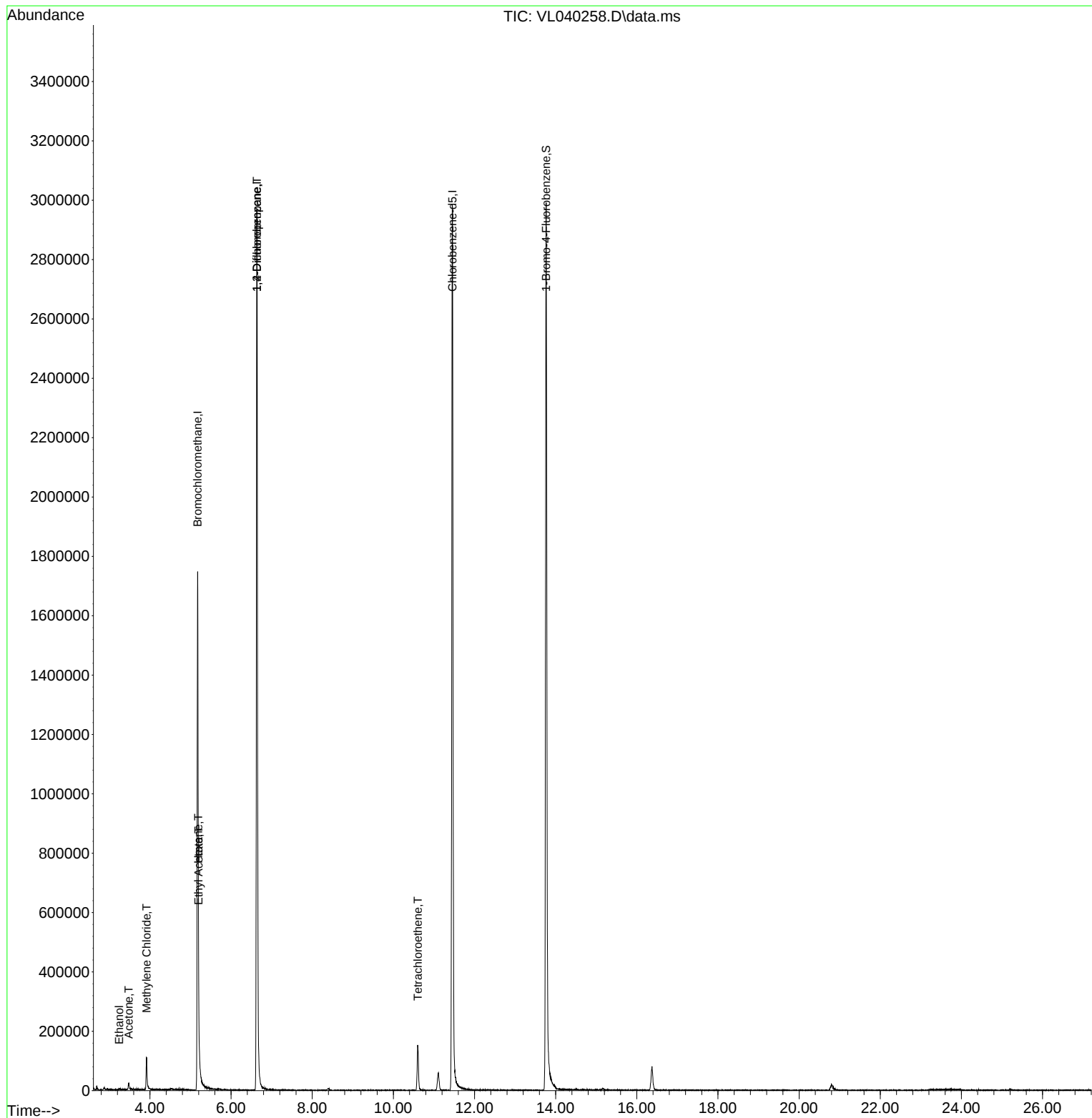
Internal Standards						
1) Bromochloromethane	5.176	49	837831	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.639	114	2139632	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.452	117	1837241	10.000	ppbv	-0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1486984	9.843	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						
					Qvalue	
13) Ethanol	3.243	45	1323	0.352	ppbv #	60
15) Acetone	3.475	43	12411	0.123	ppbv #	47
20) Methylene Chloride	3.918	84	36757	0.700	ppbv	97
25) Ethyl Acetate	5.198	43	9346	0.050	ppbv #	75
26) Hexane	5.195	57	9368	0.116	ppbv #	35
39) 1,2-Dichloropropane	6.635	63	552501	8.530	ppbv #	26
52) Tetrachloroethene	10.600	164	35013	0.673	ppbv	87

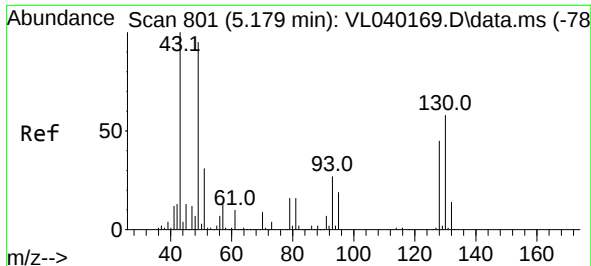
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 09 04:14:41 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
QLast Update : Wed Mar 01 04:21:39 2023
Response via : Initial Calibration

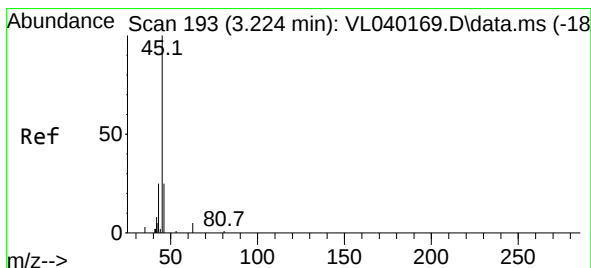
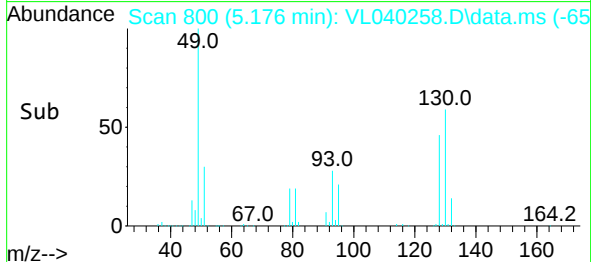
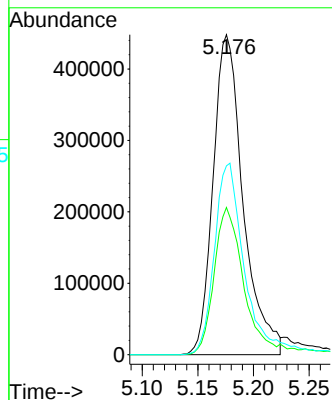
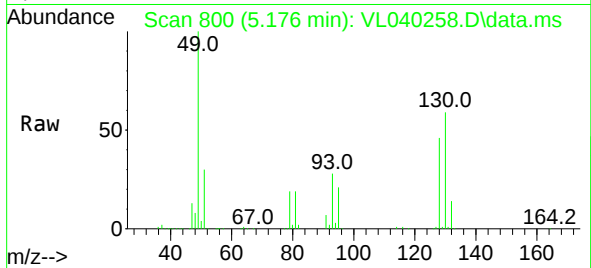




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 801
Delta R.T. -0.025 min
Lab File: VL040258.D
Acq: 8 Mar 2023 17:31

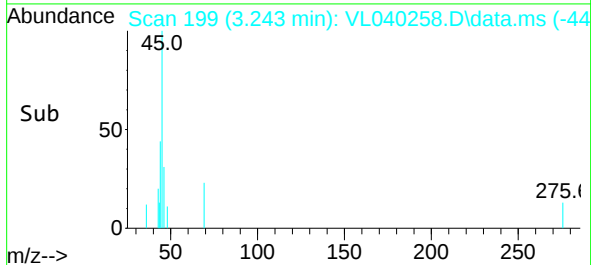
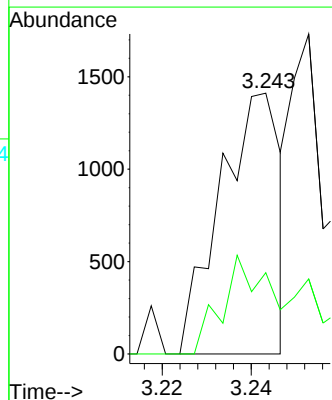
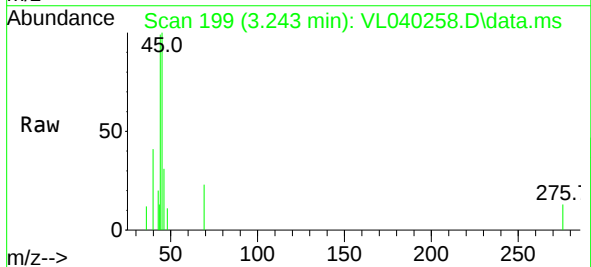
Instrument :
MSVOA_L
ClientSampleId :
DC-3723-SSDL

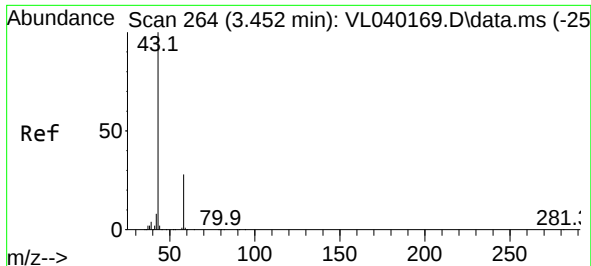
Tgt Ion: 49 Resp: 837831
Ion Ratio Lower Upper
49 100
128 48.7 24.1 72.3
130 61.7 30.9 92.8



#13
Ethanol
Concen: 0.352 ppbv
RT: 3.243 min Scan# 199
Delta R.T. -0.003 min
Lab File: VL040258.D
Acq: 8 Mar 2023 17:31

Tgt Ion: 45 Resp: 1323
Ion Ratio Lower Upper
45 100
46 55.6 13.3 53.1#





#15

Acetone

Concen: 0.123 ppbv

RT: 3.475 min Scan# 2

Delta R.T. 0.006 min

Lab File: VL040258.D

Acq: 8 Mar 2023 17:31

Instrument :

MSVOA_L

ClientSampleId :

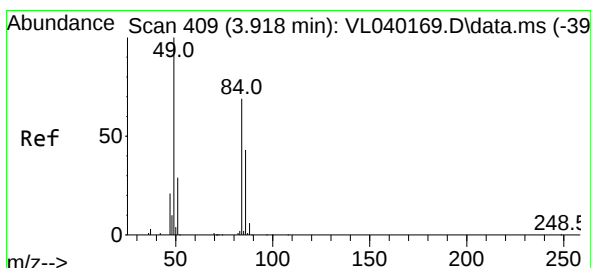
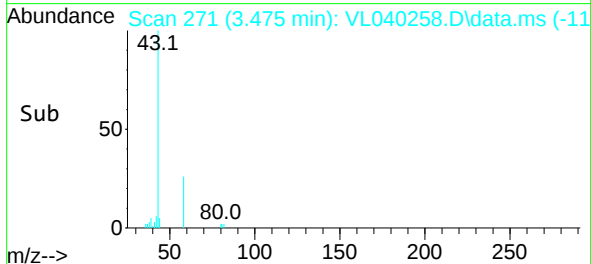
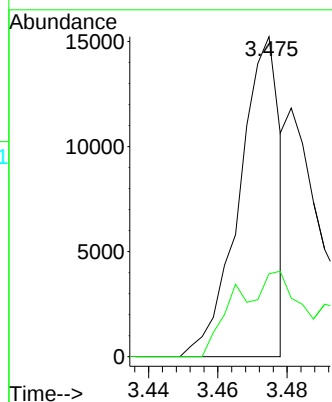
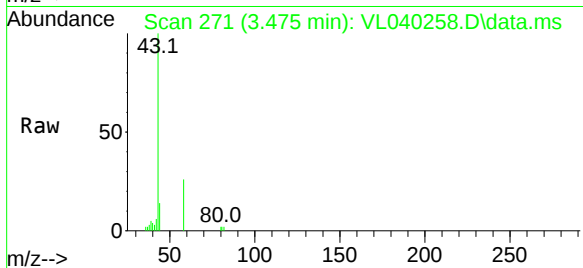
DC-3723-SSDL

Tgt Ion: 43 Resp: 12411

Ion Ratio Lower Upper

43 100

58 0.0 22.4 33.6#



#20

Methylene Chloride

Concen: 0.700 ppbv

RT: 3.918 min Scan# 409

Delta R.T. -0.016 min

Lab File: VL040258.D

Acq: 8 Mar 2023 17:31

Tgt Ion: 84 Resp: 36757

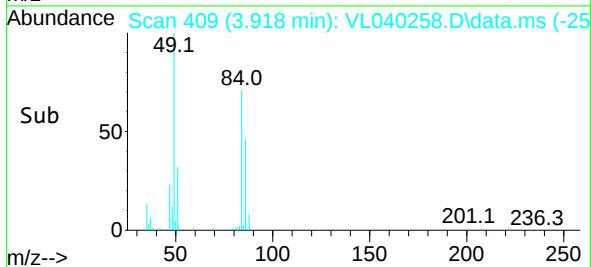
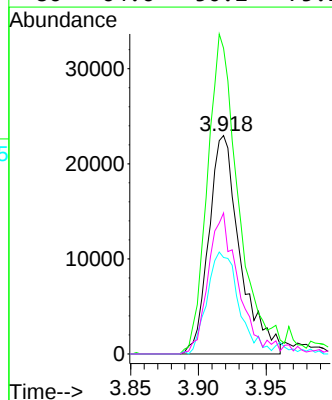
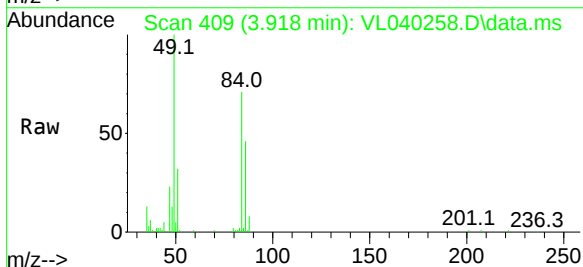
Ion Ratio Lower Upper

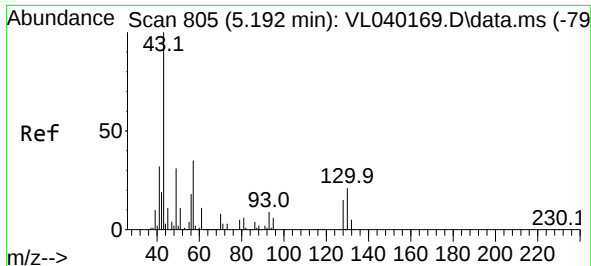
84 100

49 140.0 115.5 173.3

51 44.2 33.1 49.7

86 64.6 50.2 75.2





#25

Ethyl Acetate

Concen: 0.050 ppbv

RT: 5.198 min Scan# 80

Delta R.T. -0.013 min

Lab File: VL040258.D

Acq: 8 Mar 2023 17:31

Instrument :

MSVOA_L

ClientSampleId :

DC-3723-SSDL

Tgt Ion: 43 Resp: 9346

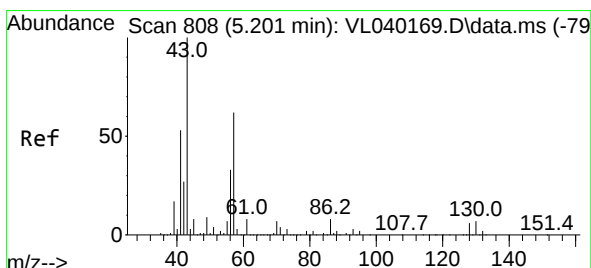
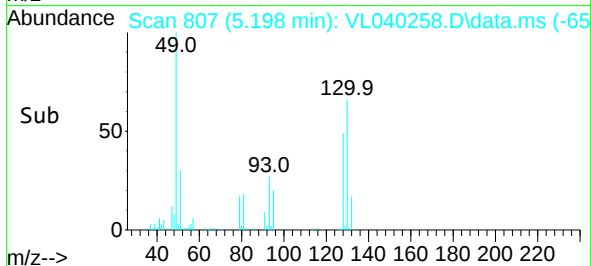
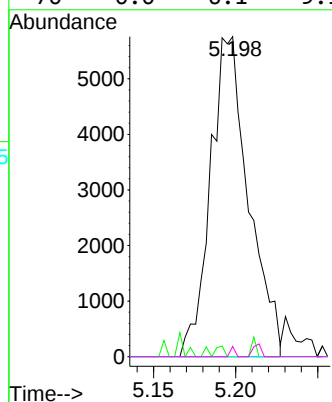
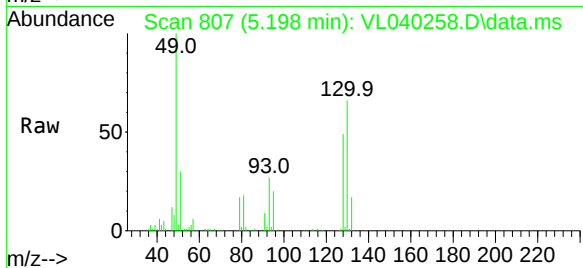
Ion Ratio Lower Upper

43 100

45 1.4 8.3 12.5#

61 0.0 8.4 12.6#

70 0.0 6.1 9.1#



#26

Hexane

Concen: 0.116 ppbv

RT: 5.195 min Scan# 806

Delta R.T. -0.029 min

Lab File: VL040258.D

Acq: 8 Mar 2023 17:31

Tgt Ion: 57 Resp: 9368

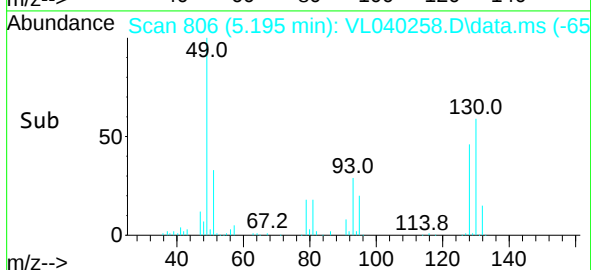
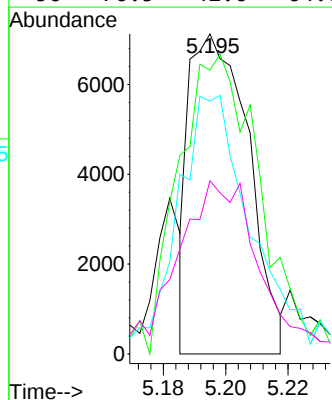
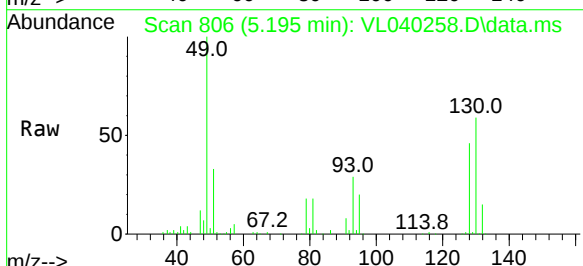
Ion Ratio Lower Upper

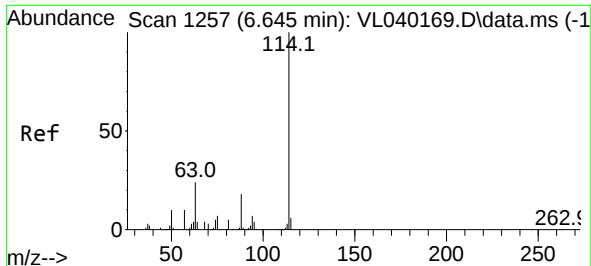
57 100

41 134.0 74.3 111.5#

43 105.0 193.0 289.4#

56 76.5 42.6 64.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 11

Delta R.T. -0.026 min

Lab File: VL040258.D

Acq: 8 Mar 2023 17:31

Instrument :

MSVOA_L

ClientSampleId :

DC-3723-SSDL

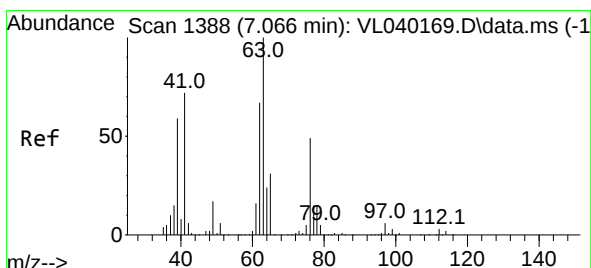
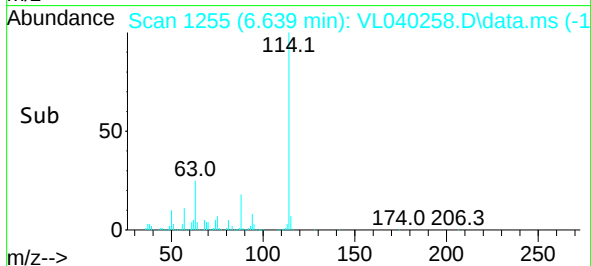
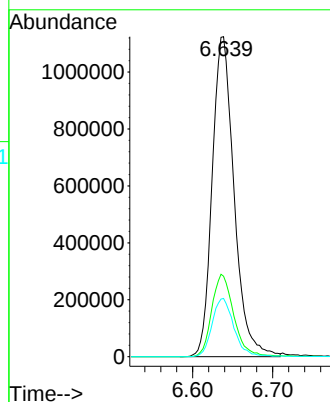
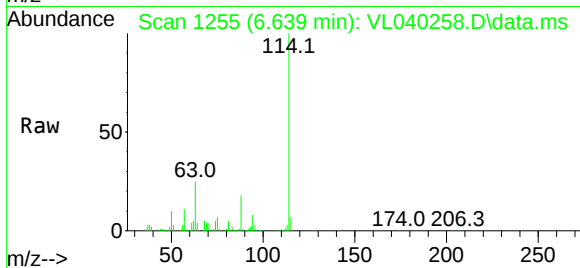
Tgt Ion:114 Resp: 2139632

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: 8.530 ppbv

RT: 6.635 min Scan# 1254

Delta R.T. -0.450 min

Lab File: VL040258.D

Acq: 8 Mar 2023 17:31

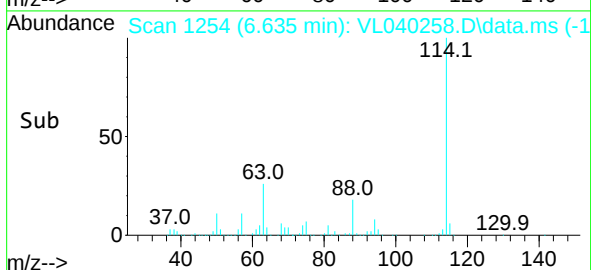
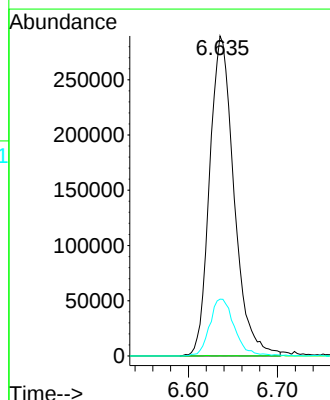
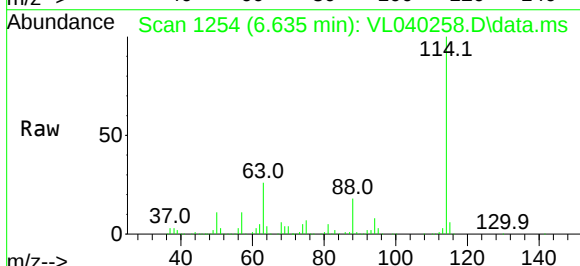
Tgt Ion: 63 Resp: 552501

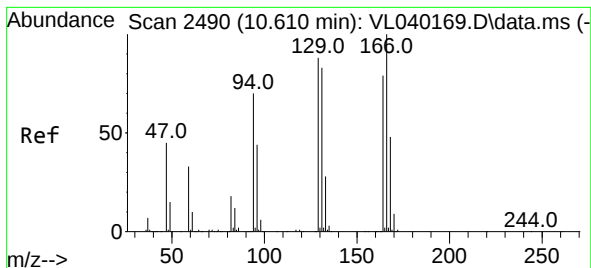
Ion Ratio Lower Upper

63 100

41 0.1 57.6 86.4#

62 17.8 54.0 81.0#





#52

Tetrachloroethene

Concen: 0.673 ppbv

RT: 10.600 min Scan# 2490

Delta R.T. -0.035 min

Lab File: VL040258.D

Acq: 8 Mar 2023 17:31

Instrument :

MSVOA_L

ClientSampleId :

DC-3723-SSDL

Tgt Ion:164 Resp: 35013

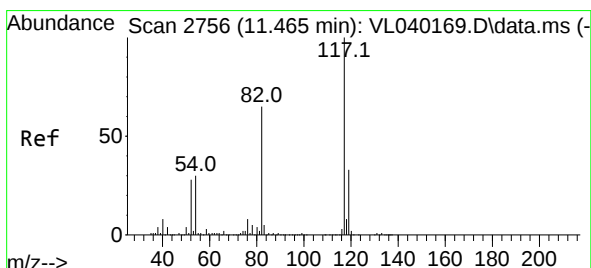
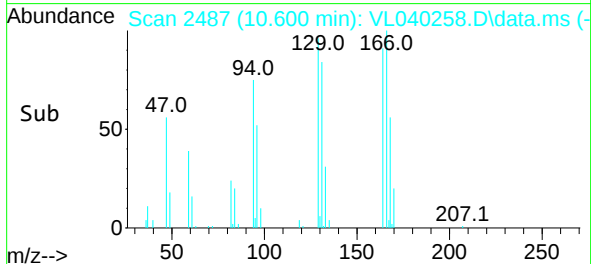
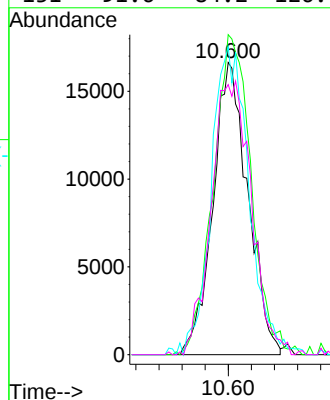
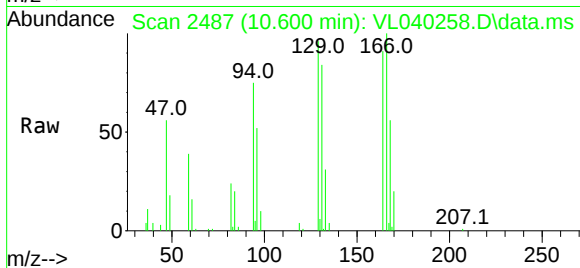
Ion Ratio Lower Upper

164 100

166 109.5 101.5 152.3

129 101.7 89.0 133.4

131 91.6 84.2 126.4



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.452 min Scan# 2752

Delta R.T. -0.035 min

Lab File: VL040258.D

Acq: 8 Mar 2023 17:31

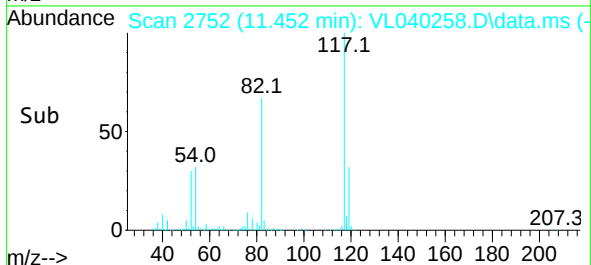
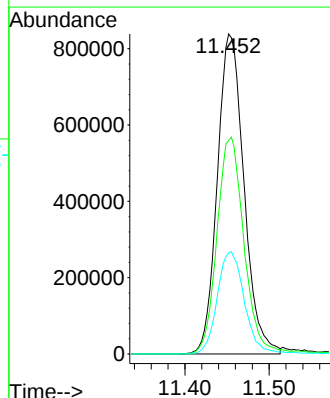
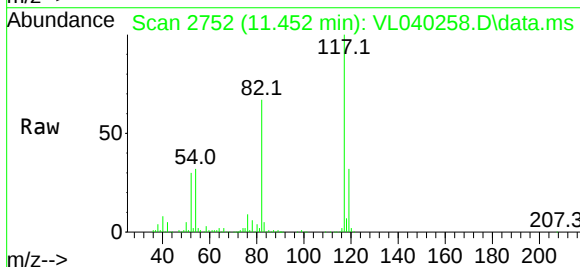
Tgt Ion:117 Resp: 1837241

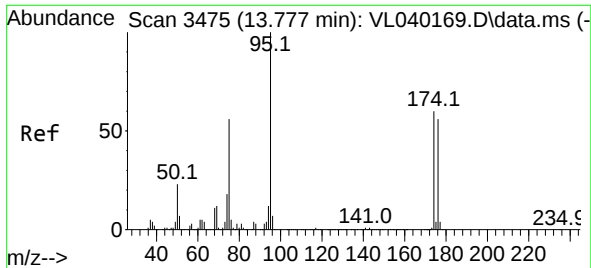
Ion Ratio Lower Upper

117 100

82 69.9 53.3 79.9

119 32.8 24.6 37.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.843 ppbv

RT: 13.764 min Scan# 34

Delta R.T. -0.032 min

Lab File: VL040258.D

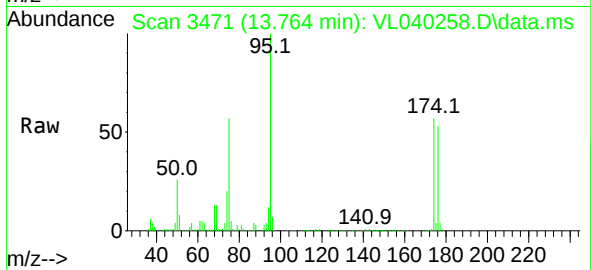
Acq: 8 Mar 2023 17:31

Instrument :

MSVOA_L

ClientSampleId :

DC-3723-SSDL



Tgt Ion: 95 Resp: 1486984

Ion Ratio Lower Upper

95 100

174 57.9 48.2 72.2

175 4.2 3.4 5.2

