

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040523\
 Data File : VY013206.D
 Acq On : 05 Apr 2023 12:57
 Operator : KP/MD
 Sample : 02176-01
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-040323

Quant Time: Apr 06 01:28:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 03 13:40:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	91092	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	143482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	135337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	65208	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	55374	56.565	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.120%
35) Dibromofluoromethane	7.716	113	47677	50.865	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.740%
50) Toluene-d8	10.179	98	163639	46.245	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.480%
62) 4-Bromofluorobenzene	12.477	95	54321	47.162	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.320%

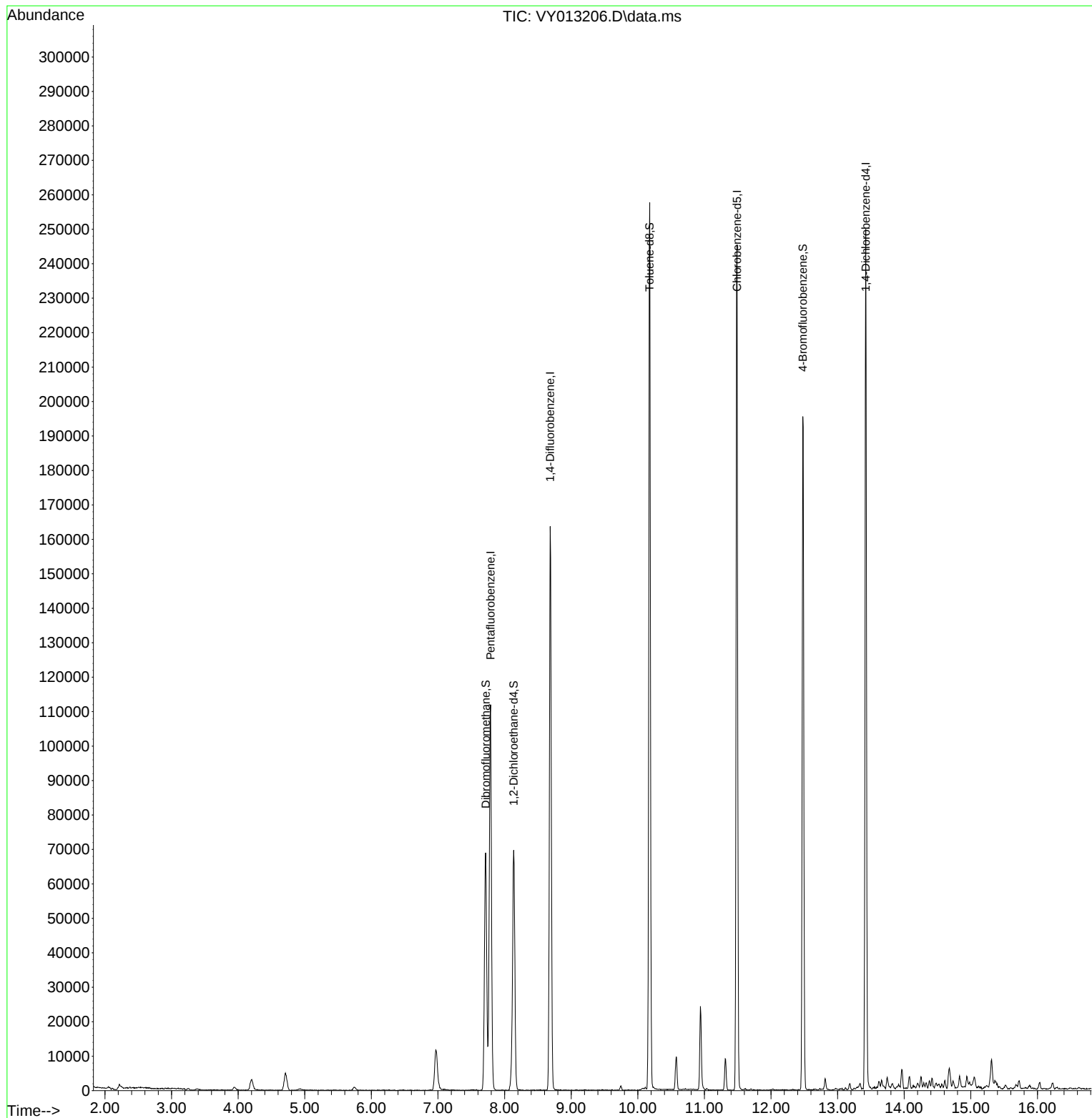
Target Compounds	Qvalue

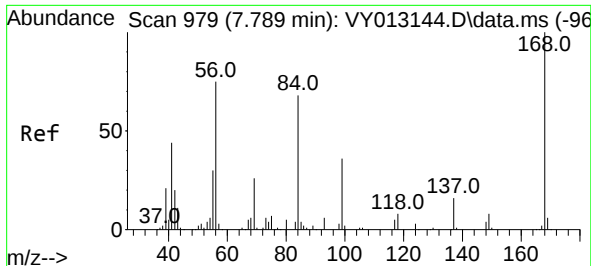
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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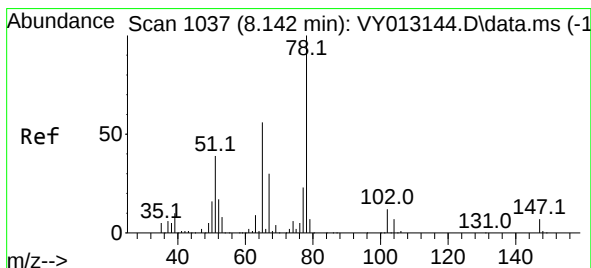
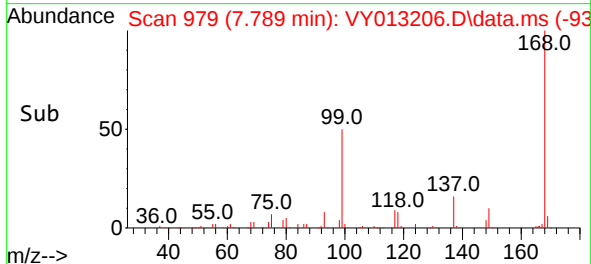
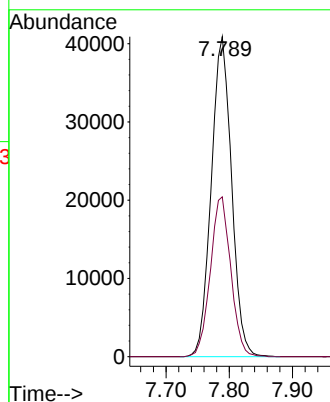
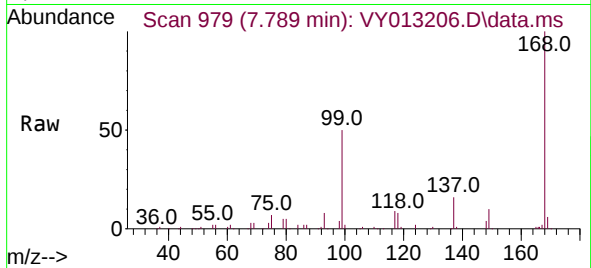




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013206.D
Acq: 05 Apr 2023 12:57

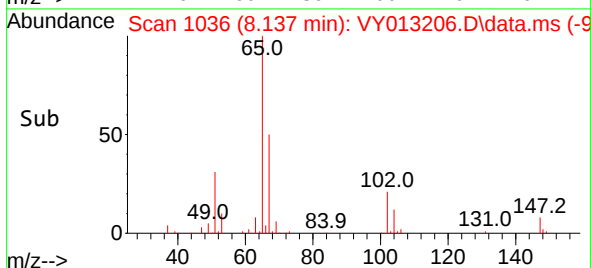
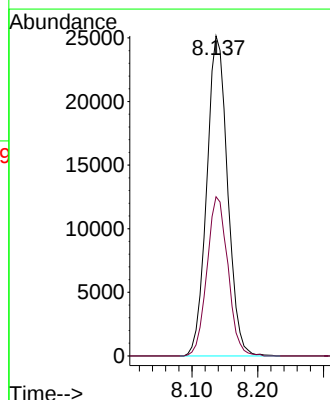
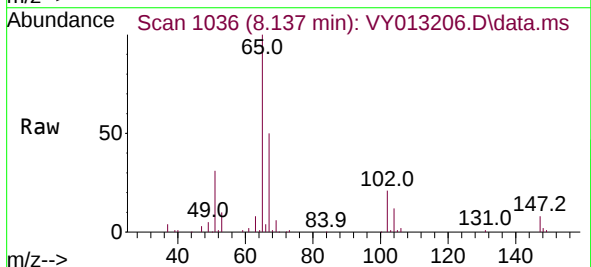
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-040323

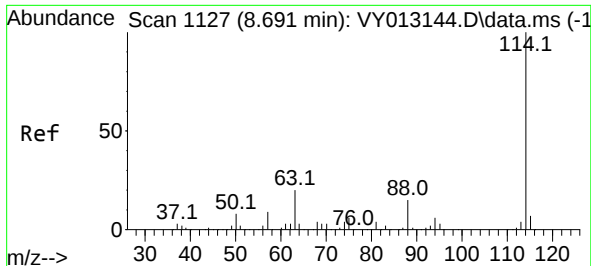
Tgt Ion:168 Resp: 91092
Ion Ratio Lower Upper
168 100
99 49.9 41.7 62.5



#33
1,2-Dichloroethane-d4
Concen: 56.565 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY013206.D
Acq: 05 Apr 2023 12:57

Tgt Ion: 65 Resp: 55374
Ion Ratio Lower Upper
65 100
67 50.0 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013206.D

Acq: 05 Apr 2023 12:57

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-040323

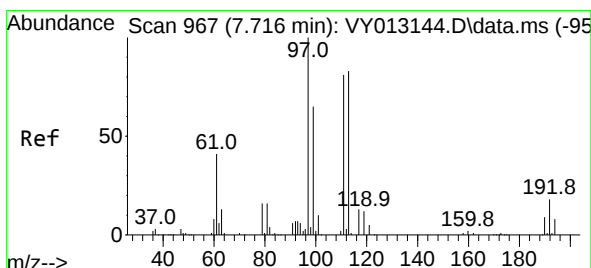
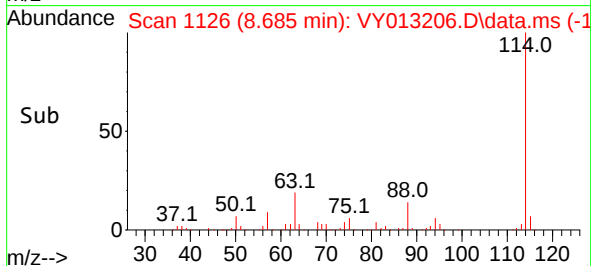
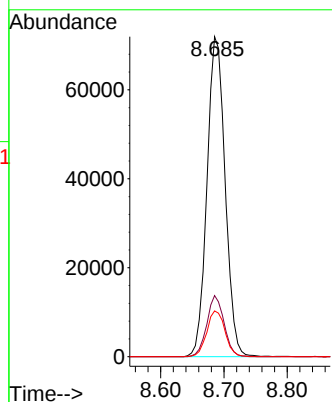
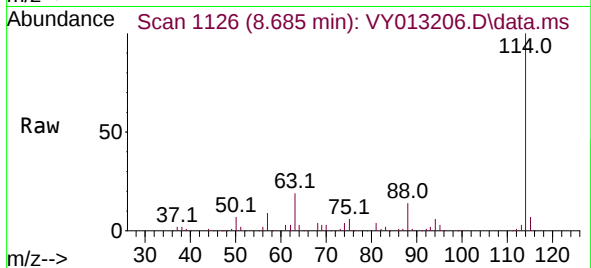
Tgt Ion:114 Resp: 143482

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.4

88 14.3 0.0 28.6



#35

Dibromofluoromethane

Concen: 50.865 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013206.D

Acq: 05 Apr 2023 12:57

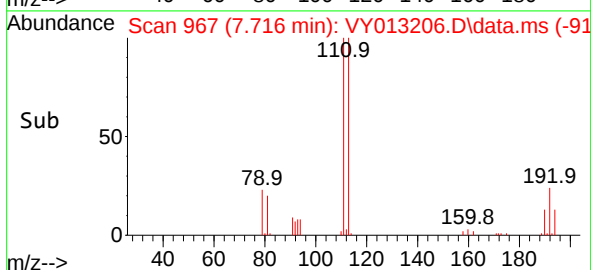
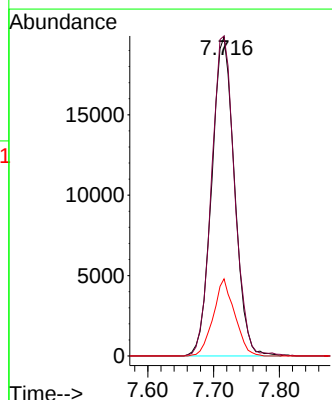
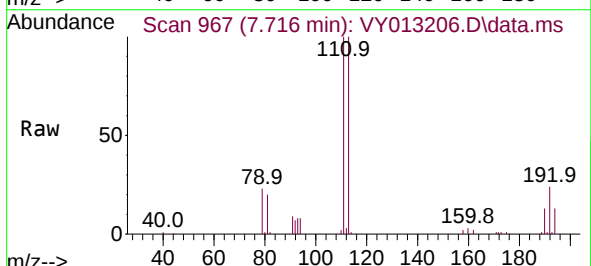
Tgt Ion:113 Resp: 47677

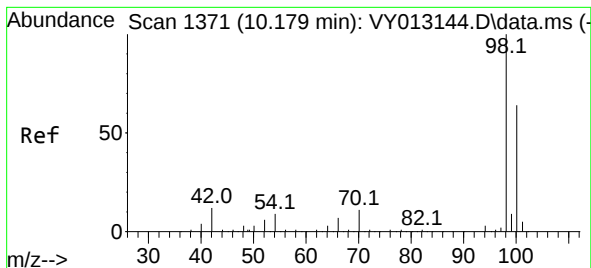
Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.2

192 22.7 16.8 25.2





#50

Toluene-d8

Concen: 46.245 ug/l

RT: 10.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY013206.D

Acq: 05 Apr 2023 12:57

Instrument :

MSVOA_Y

ClientSampleId :

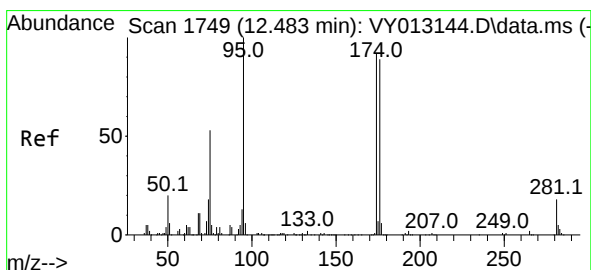
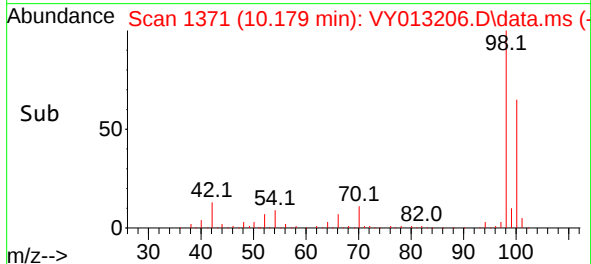
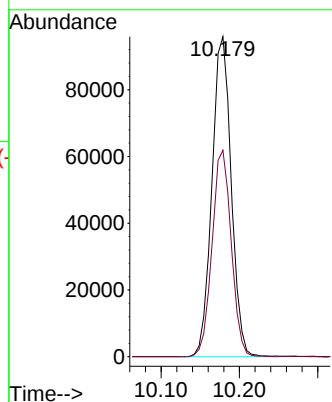
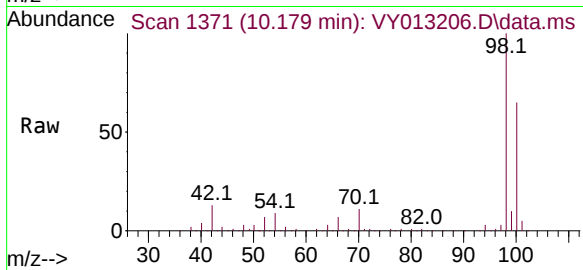
TR-04-040323

Tgt Ion: 98 Resp: 163639

Ion Ratio Lower Upper

98 100

100 64.2 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 47.162 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY013206.D

Acq: 05 Apr 2023 12:57

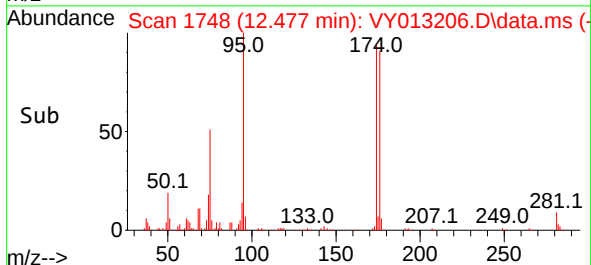
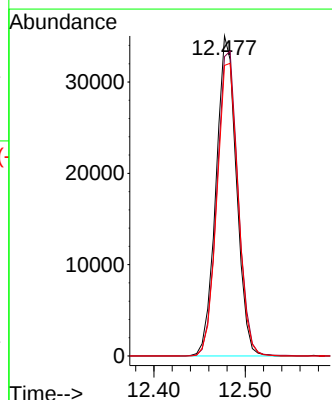
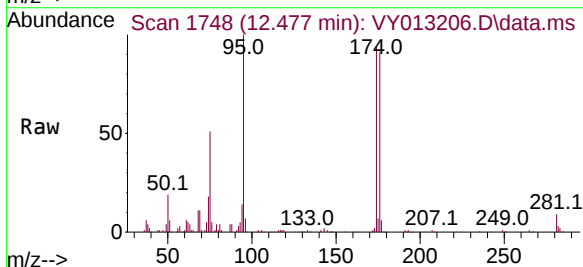
Tgt Ion: 95 Resp: 54321

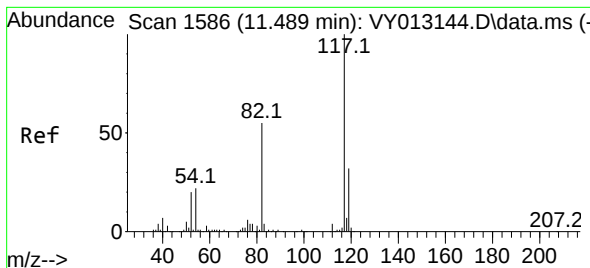
Ion Ratio Lower Upper

95 100

174 98.7 0.0 176.6

176 94.9 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY013206.D

Acq: 05 Apr 2023 12:57

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-040323

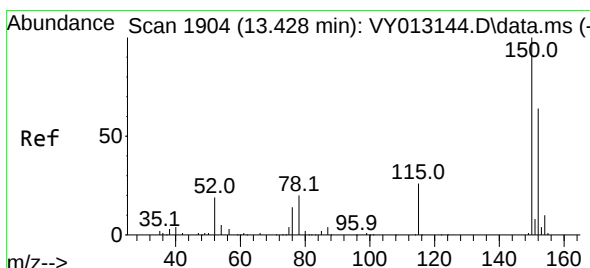
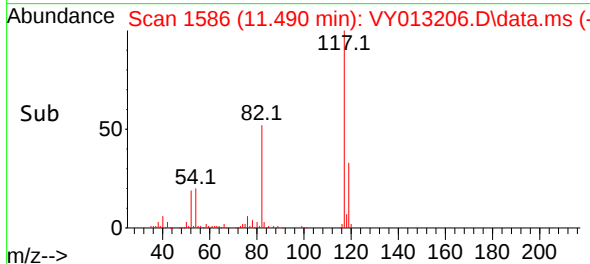
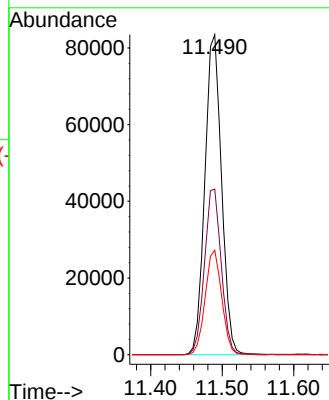
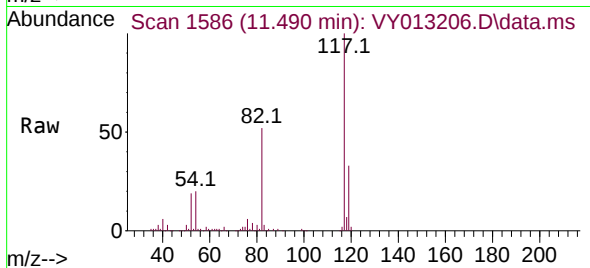
Tgt Ion:117 Resp: 135337

Ion Ratio Lower Upper

117 100

82 51.8 45.4 68.0

119 32.6 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY013206.D

Acq: 05 Apr 2023 12:57

Tgt Ion:152 Resp: 65208

Ion Ratio Lower Upper

152 100

115 54.8 27.1 81.3

150 158.3 0.0 347.8

