

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030923\
 Data File : VY012902.D
 Acq On : 09 Mar 2023 16:27
 Operator : KP/MD
 Sample : 01833-04
 Misc : 5.45g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 42

Quant Time: Mar 10 00:32:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	77208	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	120940	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	105261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	45880	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	43193	56.345	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.700%
35) Dibromofluoromethane	7.716	113	38490	52.735	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.480%
50) Toluene-d8	10.179	98	142553	53.425	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.860%
62) 4-Bromofluorobenzene	12.483	95	40555	45.031	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	90.060%

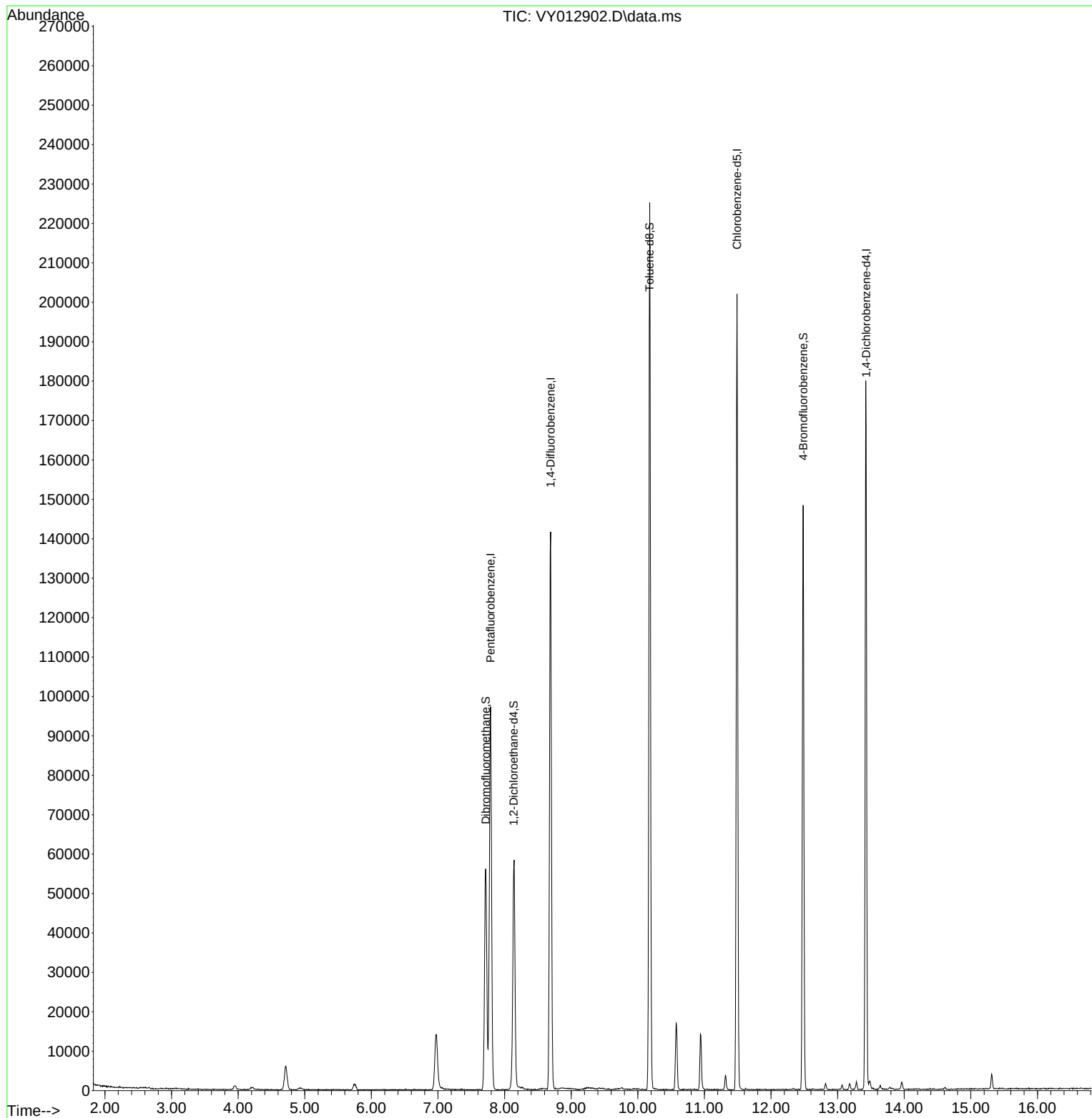
Target Compounds	Qvalue

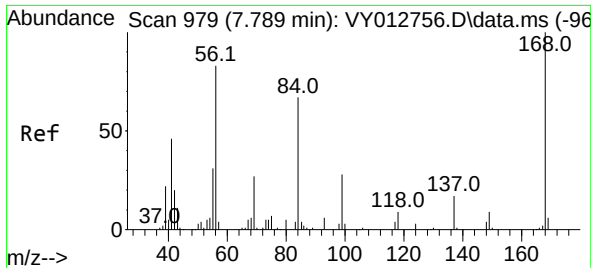
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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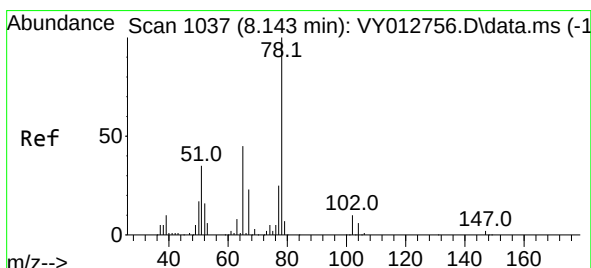
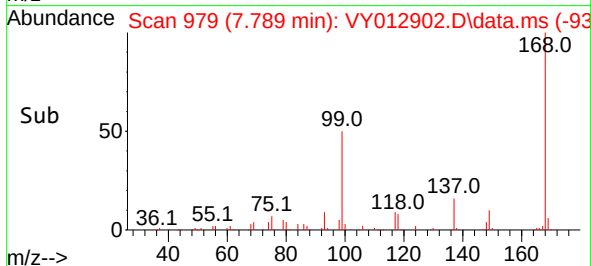
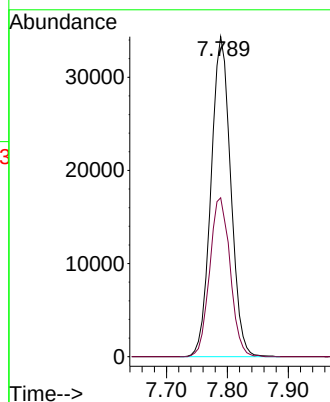
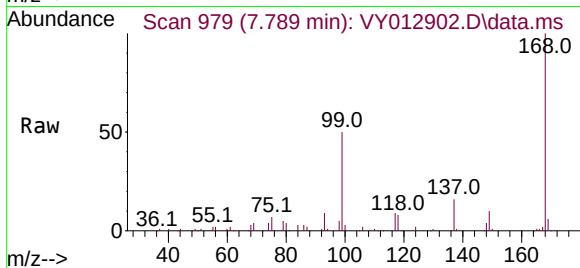




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012902.D
Acq: 09 Mar 2023 16:27

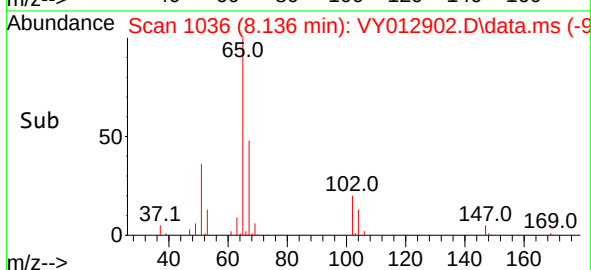
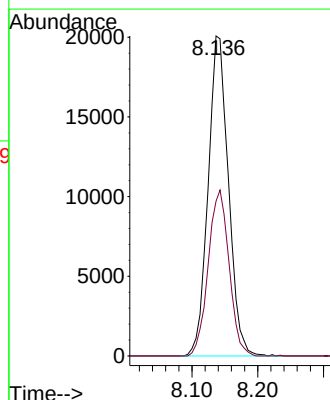
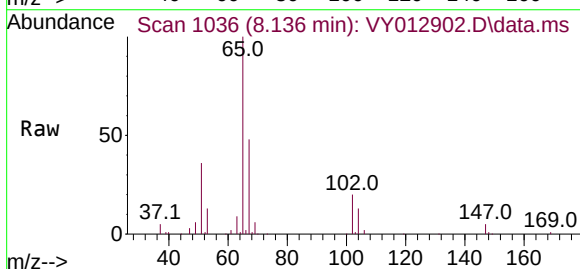
Instrument :
MSVOA_Y
ClientSampleId :
42

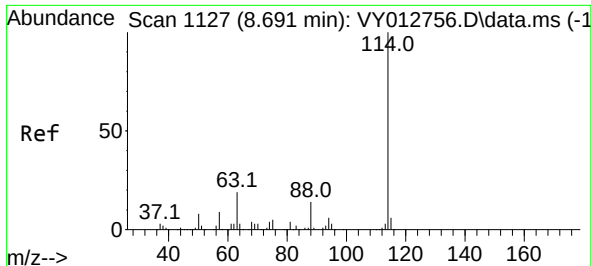
Tgt Ion:168 Resp: 77208
Ion Ratio Lower Upper
168 100
99 49.7 41.7 62.5



#33
1,2-Dichloroethane-d4
Concen: 56.345 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY012902.D
Acq: 09 Mar 2023 16:27

Tgt Ion: 65 Resp: 43193
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012902.D

Acq: 09 Mar 2023 16:27

Instrument :

MSVOA_Y

ClientSampleId :

42

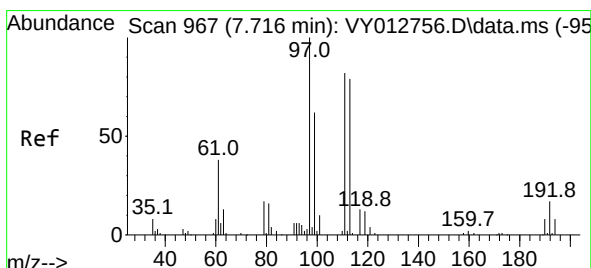
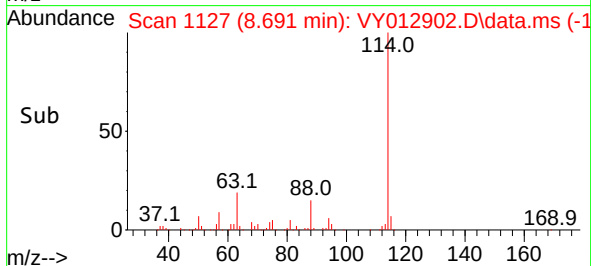
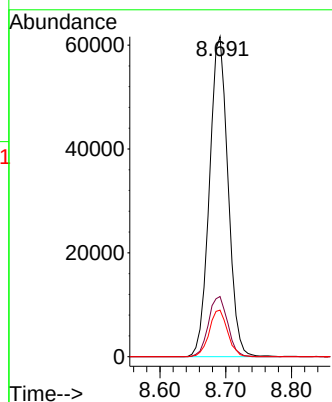
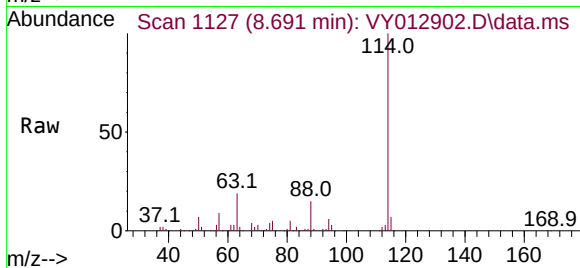
Tgt Ion:114 Resp: 120940

Ion Ratio Lower Upper

114 100

63 18.8 0.0 37.4

88 14.5 0.0 28.6



#35

Dibromofluoromethane

Concen: 52.735 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012902.D

Acq: 09 Mar 2023 16:27

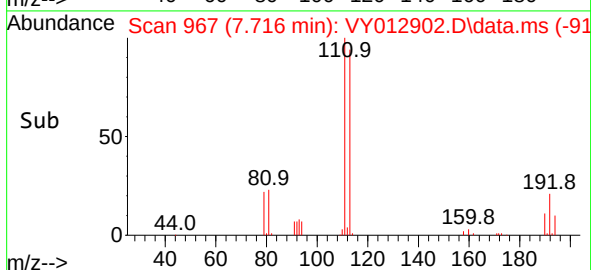
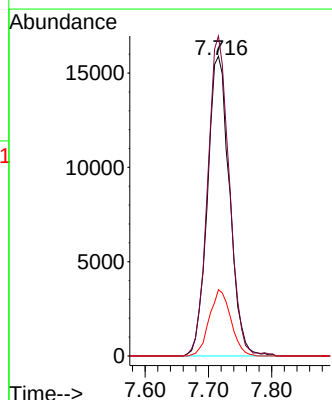
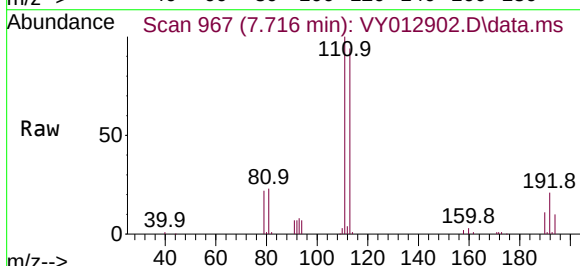
Tgt Ion:113 Resp: 38490

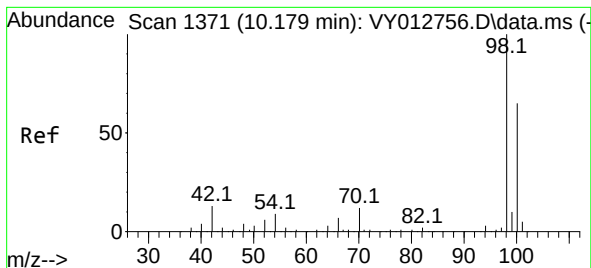
Ion Ratio Lower Upper

113 100

111 104.7 82.2 123.2

192 21.6 16.8 25.2





#50

Toluene-d8

Concen: 53.425 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY012902.D

Acq: 09 Mar 2023 16:27

Instrument :

MSVOA_Y

ClientSampleId :

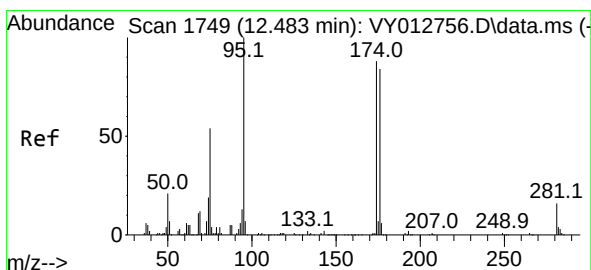
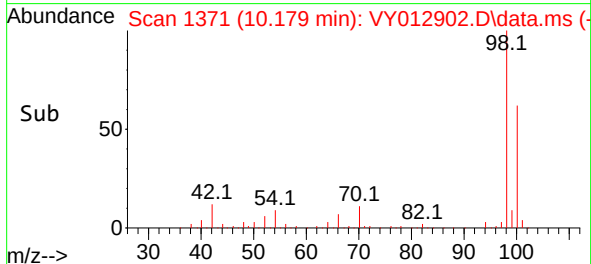
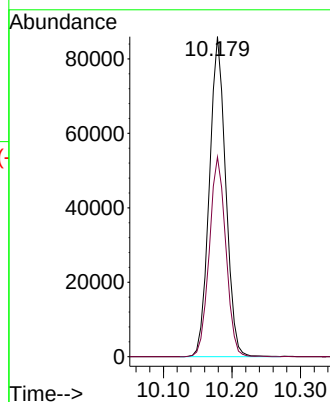
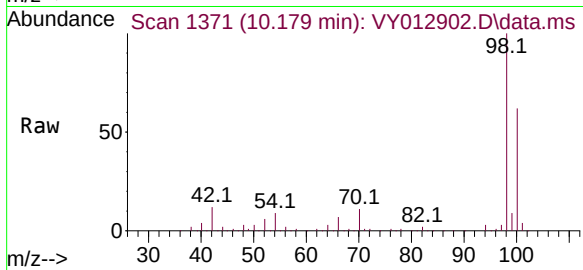
42

Tgt Ion: 98 Resp: 142553

Ion Ratio Lower Upper

98 100

100 63.0 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 45.031 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012902.D

Acq: 09 Mar 2023 16:27

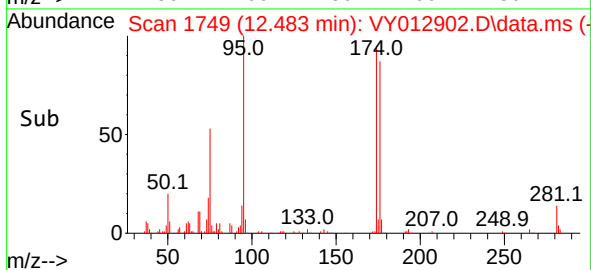
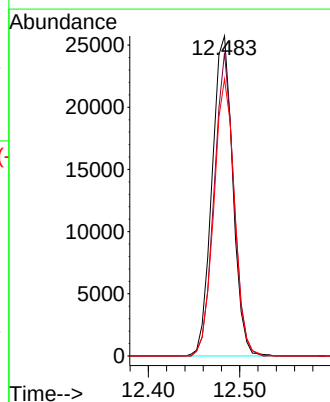
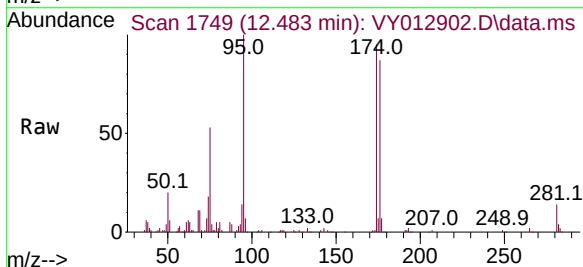
Tgt Ion: 95 Resp: 40555

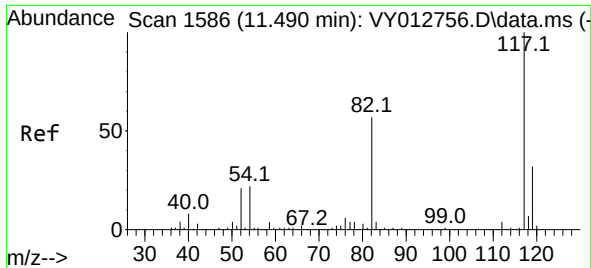
Ion Ratio Lower Upper

95 100

174 90.0 0.0 176.6

176 86.3 0.0 170.2

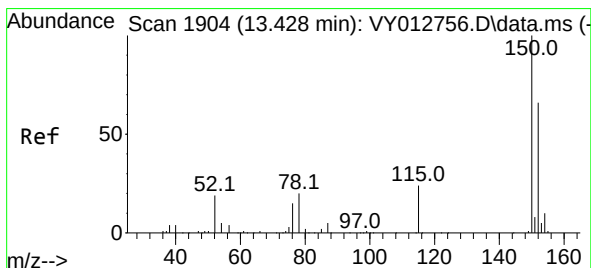
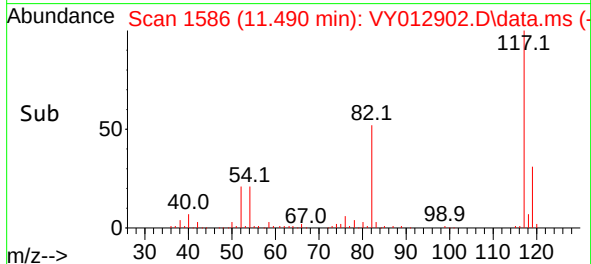
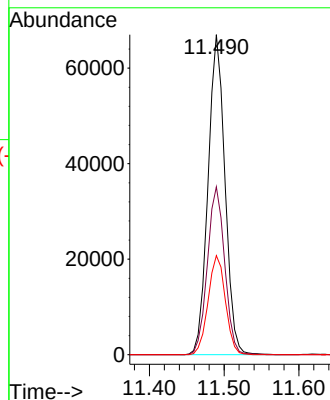
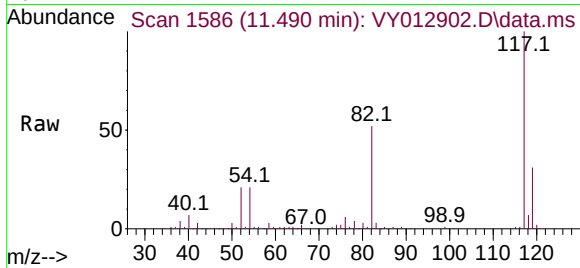




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012902.D
Acq: 09 Mar 2023 16:27

Instrument :
MSVOA_Y
ClientSampleId :
42

Tgt Ion:117 Resp: 105261
Ion Ratio Lower Upper
117 100
82 52.4 45.4 68.0
119 31.0 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY012902.D
Acq: 09 Mar 2023 16:27

Tgt Ion:152 Resp: 45880
Ion Ratio Lower Upper
152 100
115 55.9 27.1 81.3
150 155.8 0.0 347.8

