

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030723\
 Data File : VY012852.D
 Acq On : 07 Mar 2023 18:05
 Operator : KP/MD
 Sample : 01820-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-4-03032023

Quant Time: Mar 07 23:45:04 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	63175	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	101767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	93522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	40254	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	38305	61.069	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.140%
35) Dibromofluoromethane	7.710	113	35662	58.066	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	116.140%
50) Toluene-d8	10.179	98	124942	55.647	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	111.300%
62) 4-Bromofluorobenzene	12.483	95	34775	45.888	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.780%

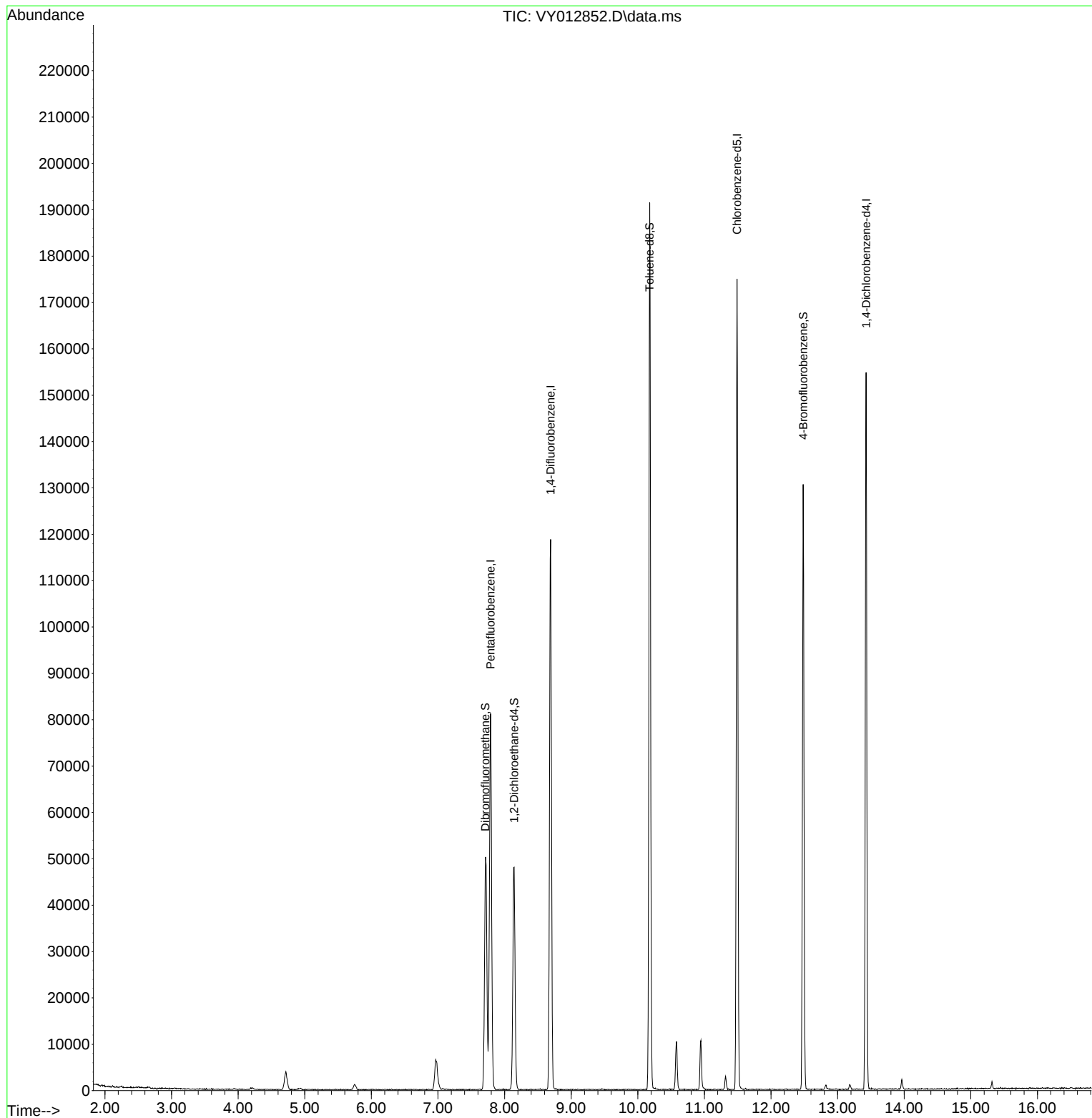
Target Compounds	Qvalue

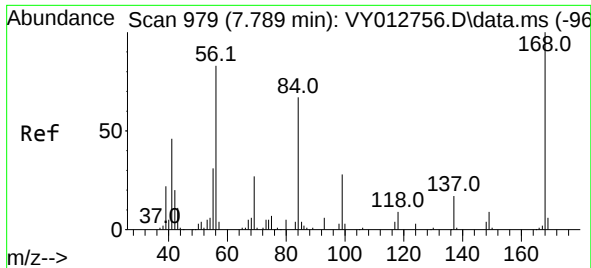
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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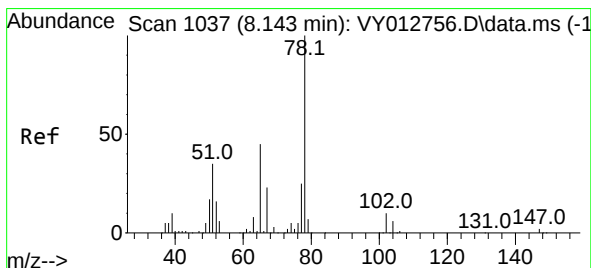
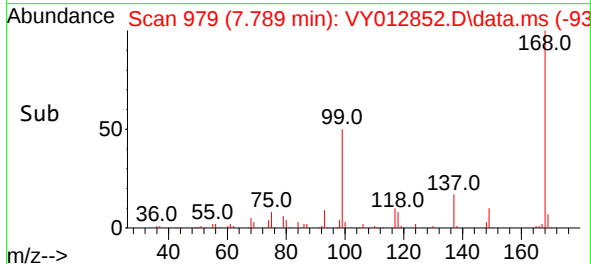
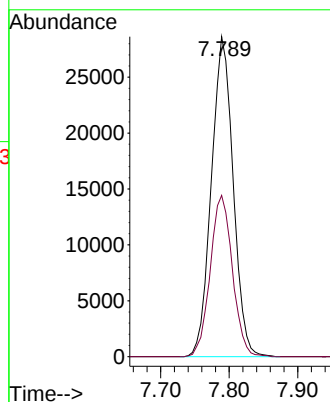
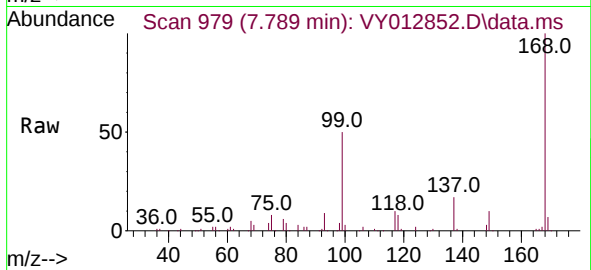




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012852.D
Acq: 07 Mar 2023 18:05

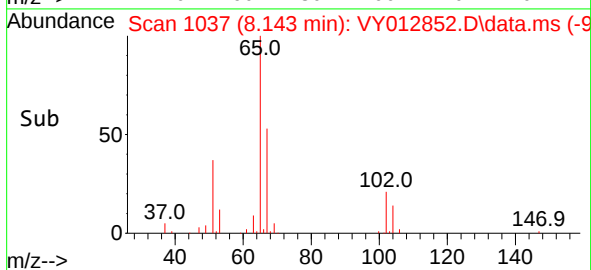
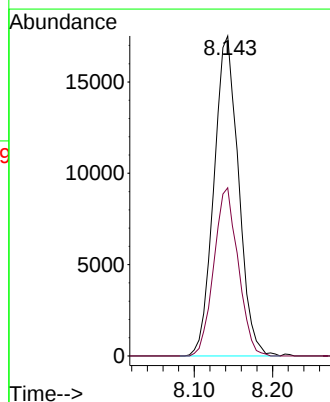
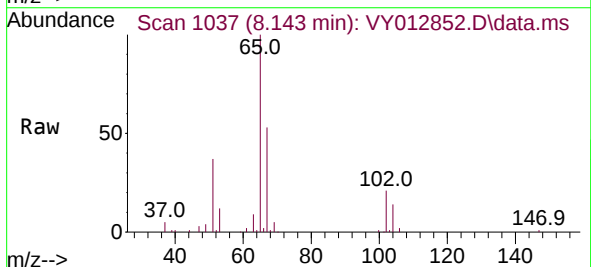
Instrument :
MSVOA_Y
ClientSampleId :
HR-4-03032023

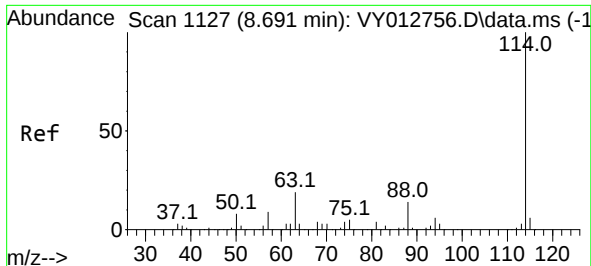
Tgt Ion:168 Resp: 63175
Ion Ratio Lower Upper
168 100
99 50.4 41.7 62.5



#33
1,2-Dichloroethane-d4
Concen: 61.069 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012852.D
Acq: 07 Mar 2023 18:05

Tgt Ion: 65 Resp: 38305
Ion Ratio Lower Upper
65 100
67 51.7 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: VY012852.D

Acq: 07 Mar 2023 18:05

Instrument :

MSVOA_Y

ClientSampleId :

HR-4-03032023

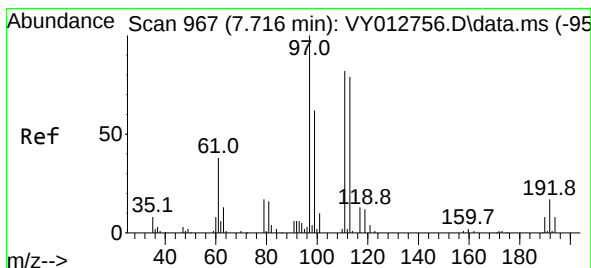
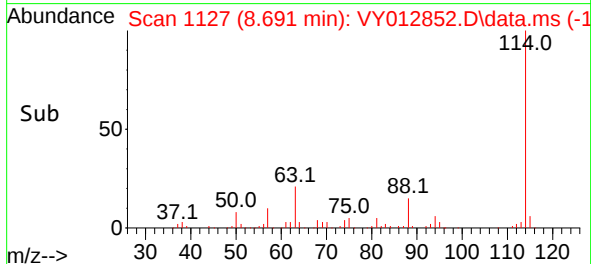
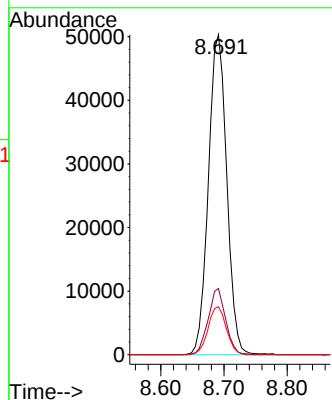
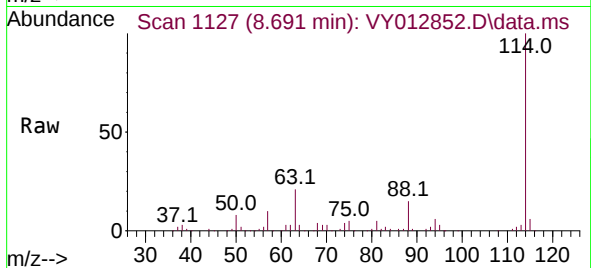
Tgt Ion:114 Resp: 101767

Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.4

88 15.0 0.0 28.6



#35

Dibromofluoromethane

Concen: 58.066 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY012852.D

Acq: 07 Mar 2023 18:05

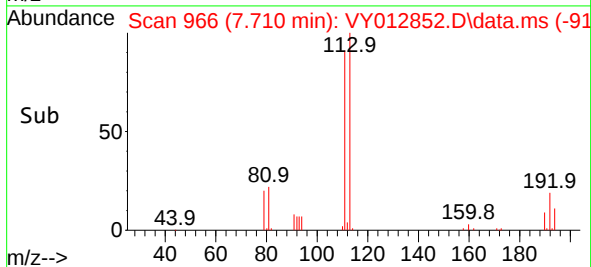
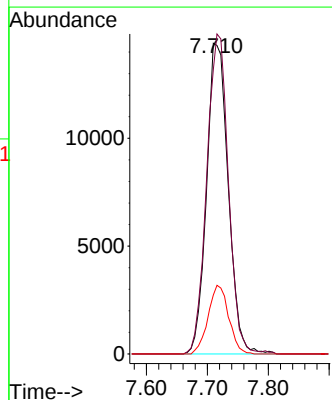
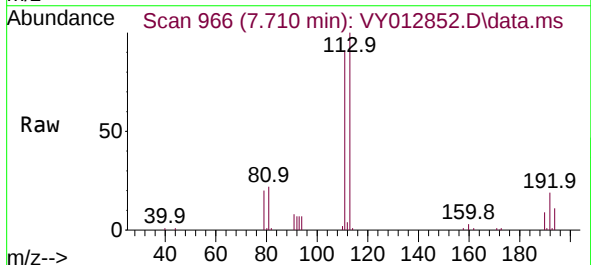
Tgt Ion:113 Resp: 35662

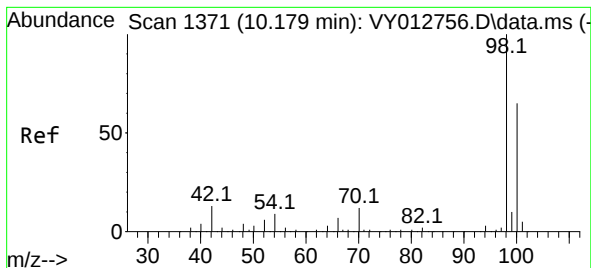
Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.2

192 21.0 16.8 25.2





#50

Toluene-d8

Concen: 55.647 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY012852.D

Acq: 07 Mar 2023 18:05

Instrument :

MSVOA_Y

ClientSampleId :

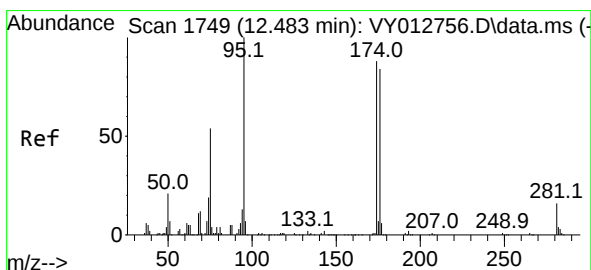
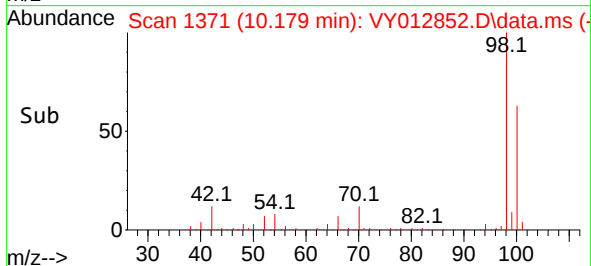
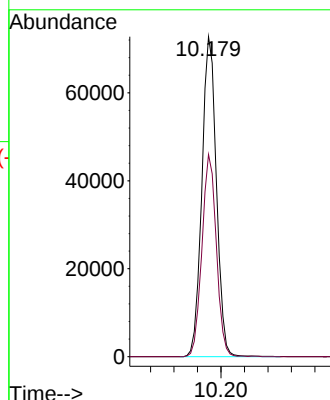
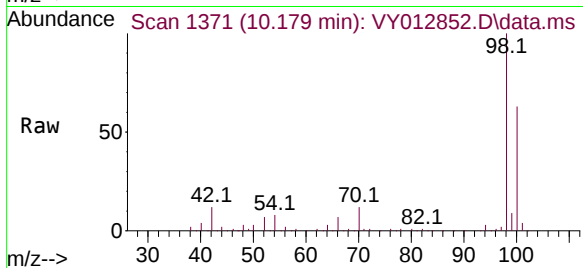
HR-4-03032023

Tgt Ion: 98 Resp: 124942

Ion Ratio Lower Upper

98 100

100 62.6 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 45.888 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012852.D

Acq: 07 Mar 2023 18:05

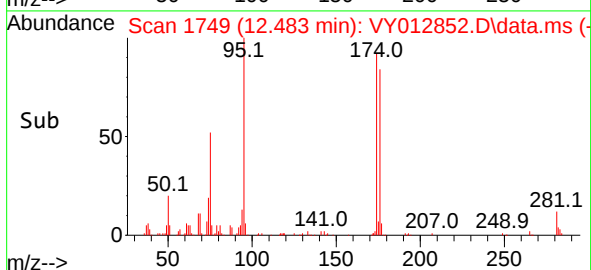
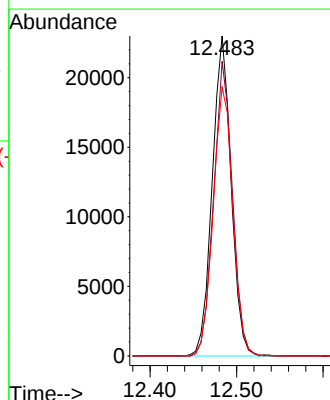
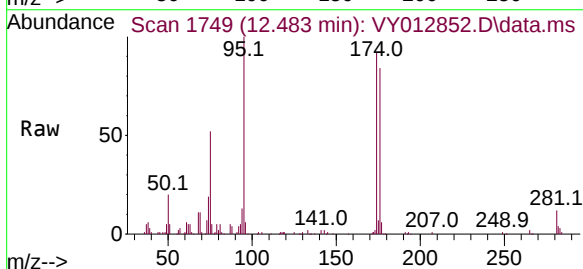
Tgt Ion: 95 Resp: 34775

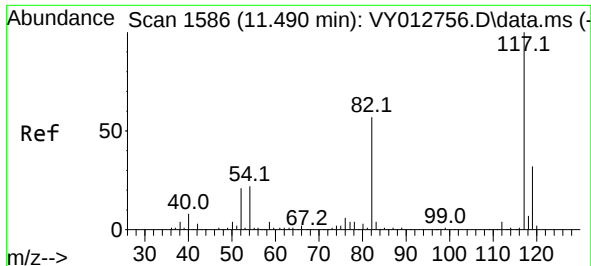
Ion Ratio Lower Upper

95 100

174 92.1 0.0 176.6

176 87.6 0.0 170.2

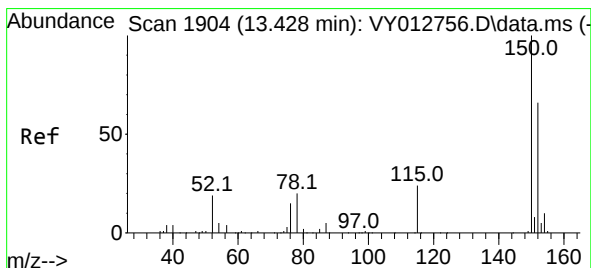
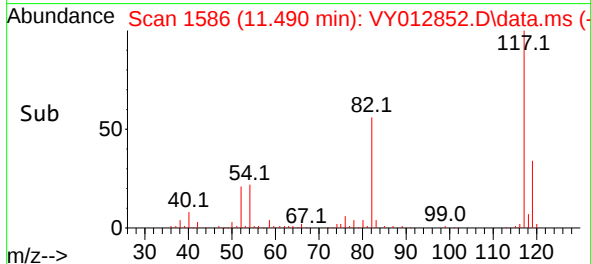
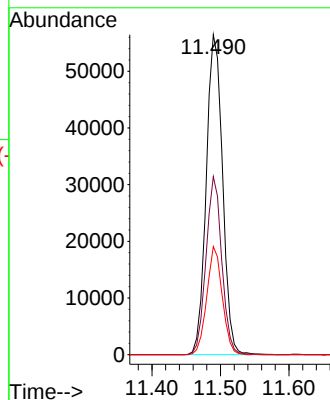
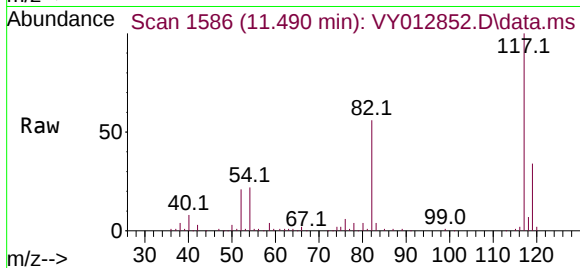




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012852.D
Acq: 07 Mar 2023 18:05

Instrument :
MSVOA_Y
ClientSampleId :
HR-4-03032023

Tgt Ion:117 Resp: 93522
Ion Ratio Lower Upper
117 100
82 55.7 45.4 68.0
119 33.8 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: VY012852.D
Acq: 07 Mar 2023 18:05

Tgt Ion:152 Resp: 40254
Ion Ratio Lower Upper
152 100
115 54.3 27.1 81.3
150 156.8 0.0 347.8

