

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032123\
 Data File : VY013034.D
 Acq On : 21 Mar 2023 17:55
 Operator : KP/MD
 Sample : 02020-21RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-3RE

Quant Time: Mar 22 04:23:20 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	7.783	168	35974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	56848	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	53229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	21356	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	23274	65.161	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	130.320%
35) Dibromofluoromethane	7.710	113	21482	62.616	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	125.240%
50) Toluene-d8	10.179	98	69134	55.121	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	110.240%
62) 4-Bromofluorobenzene	12.477	95	19331	45.664	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.320%

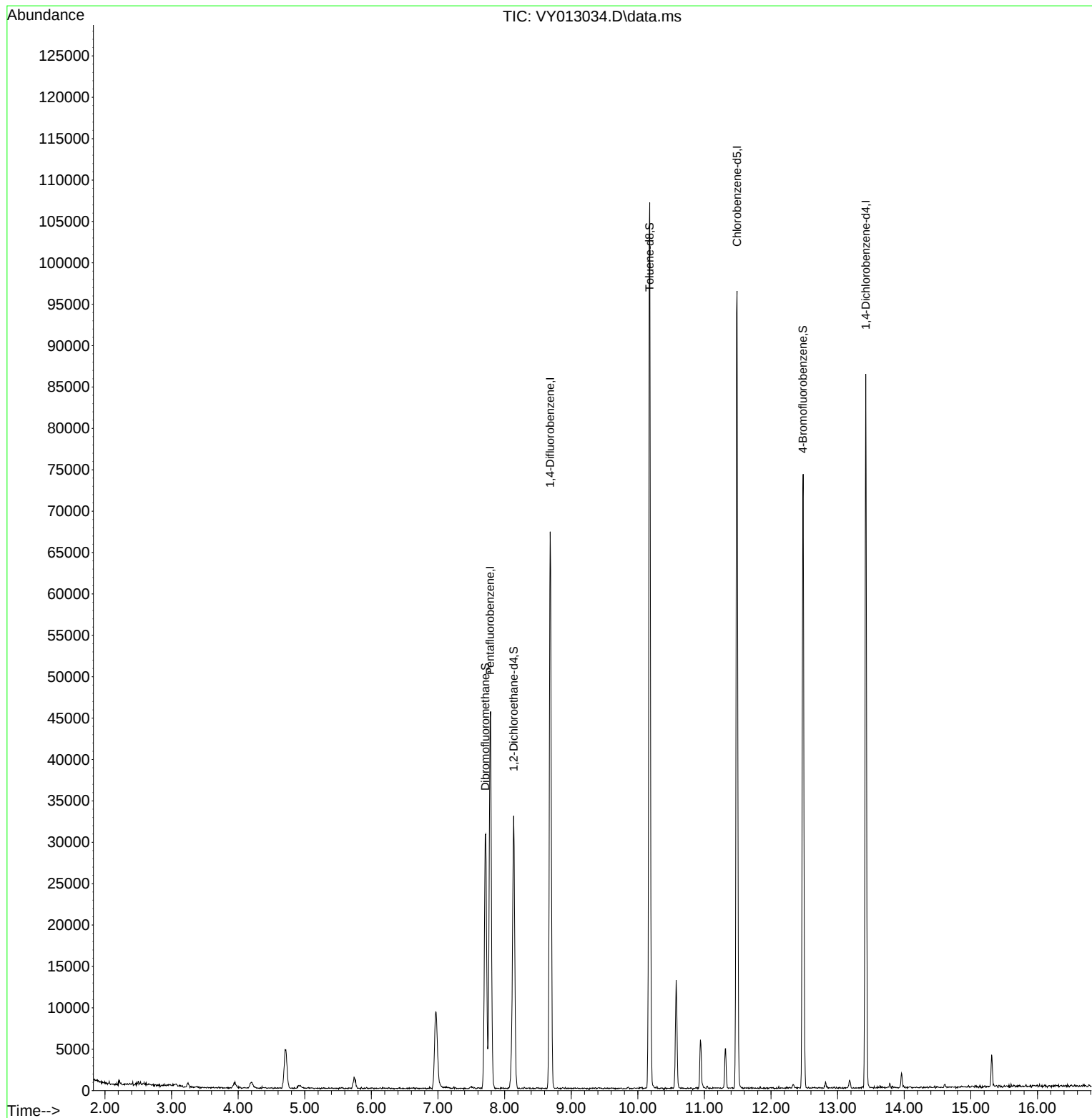
Target Compounds	Qvalue

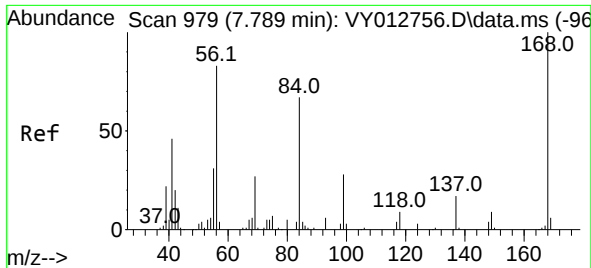
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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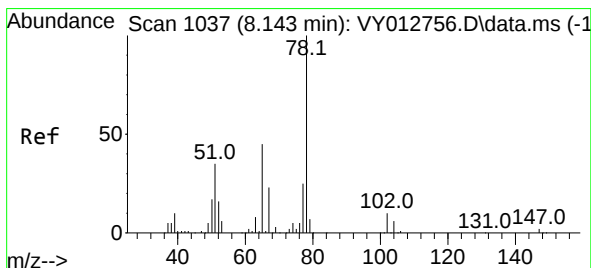
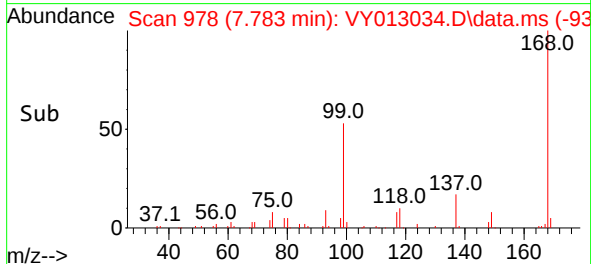
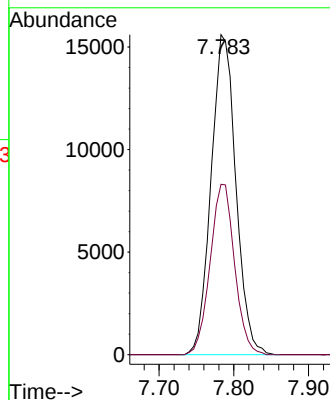
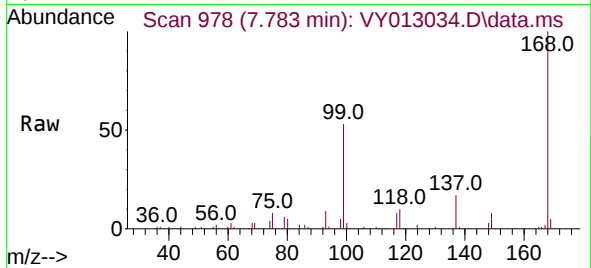




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013034.D
Acq: 21 Mar 2023 17:55

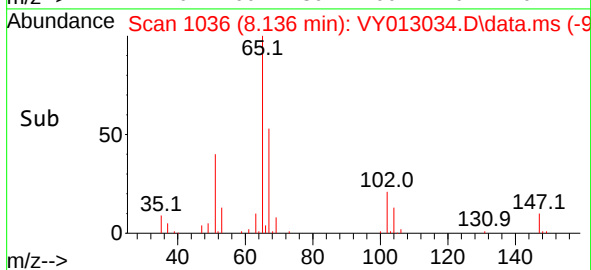
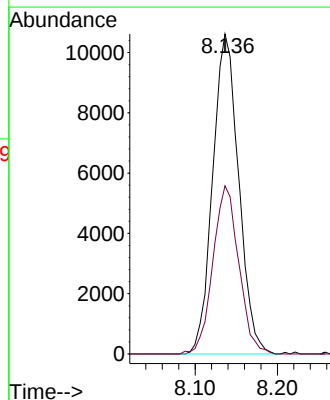
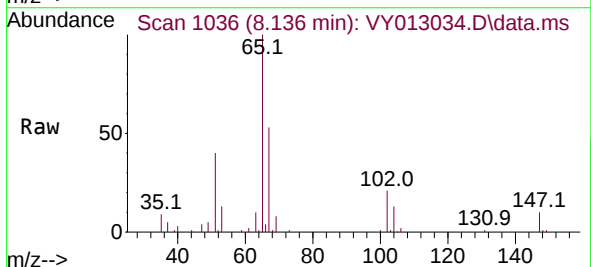
Instrument :
MSVOA_Y
ClientSampleId :
SP-3RE

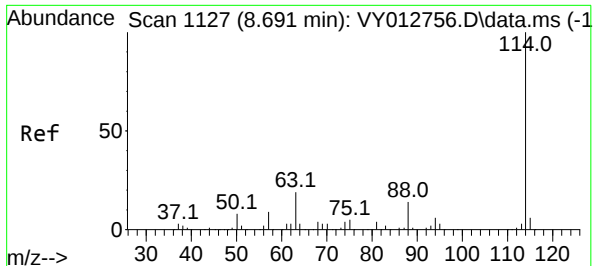
Tgt Ion:168 Resp: 35974
Ion Ratio Lower Upper
168 100
99 53.2 41.7 62.5



#33
1,2-Dichloroethane-d4
Concen: 65.161 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY013034.D
Acq: 21 Mar 2023 17:55

Tgt Ion: 65 Resp: 23274
Ion Ratio Lower Upper
65 100
67 52.3 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: VY013034.D

Acq: 21 Mar 2023 17:55

Instrument :

MSVOA_Y

ClientSampleId :

SP-3RE

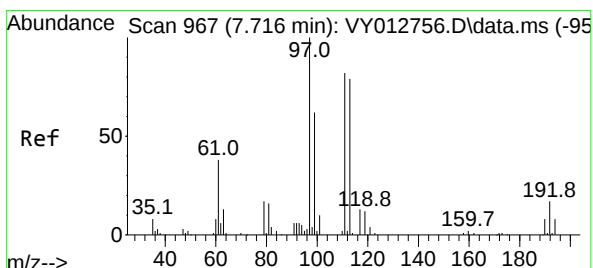
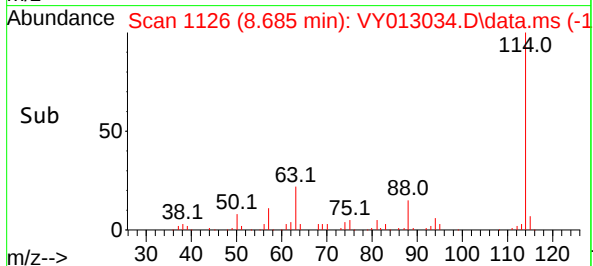
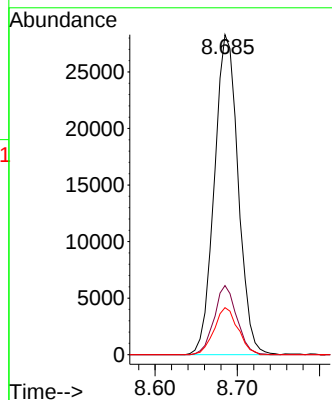
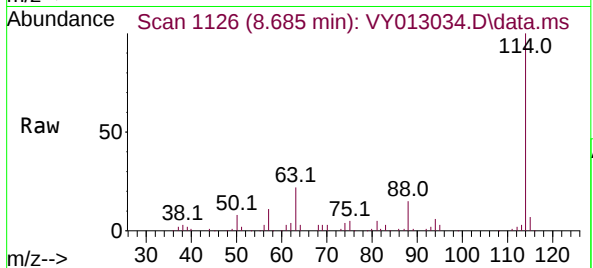
Tgt Ion:114 Resp: 56848

Ion Ratio Lower Upper

114 100

63 21.6 0.0 37.4

88 14.7 0.0 28.6



#35

Dibromofluoromethane

Concen: 62.616 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY013034.D

Acq: 21 Mar 2023 17:55

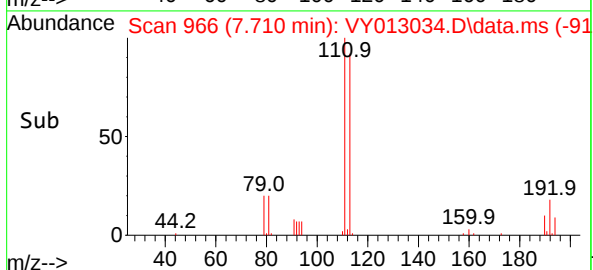
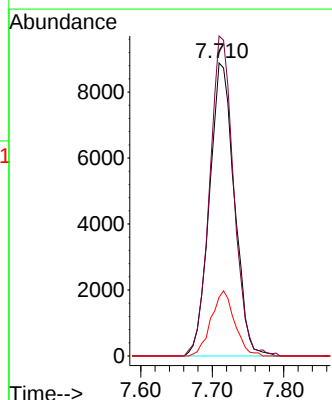
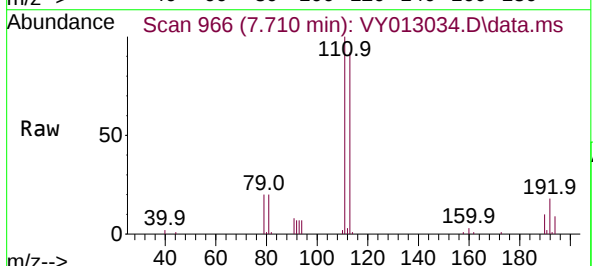
Tgt Ion:113 Resp: 21482

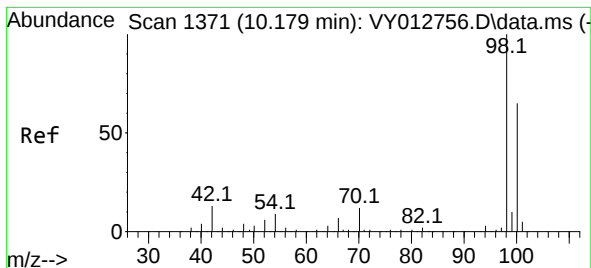
Ion Ratio Lower Upper

113 100

111 105.5 82.2 123.2

192 21.0 16.8 25.2





#50

Toluene-d8

Concen: 55.121 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013034.D

Acq: 21 Mar 2023 17:55

Instrument :

MSVOA_Y

ClientSampleId :

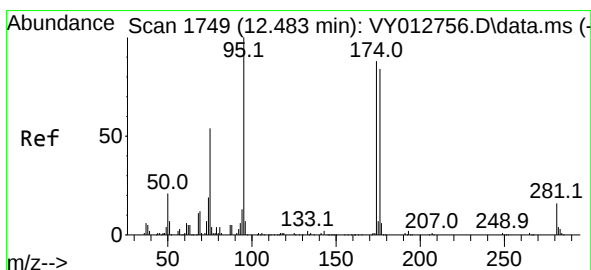
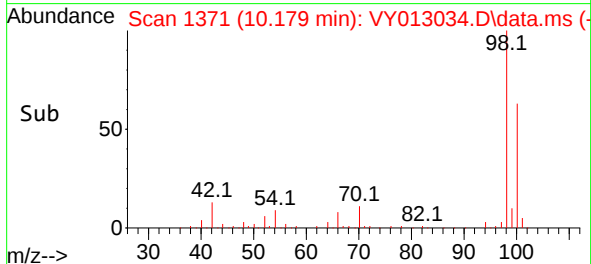
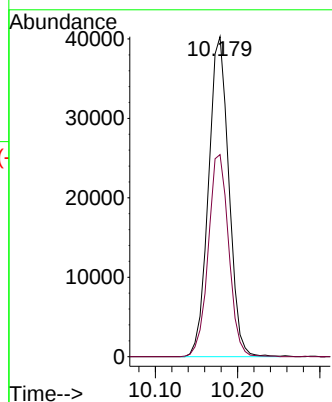
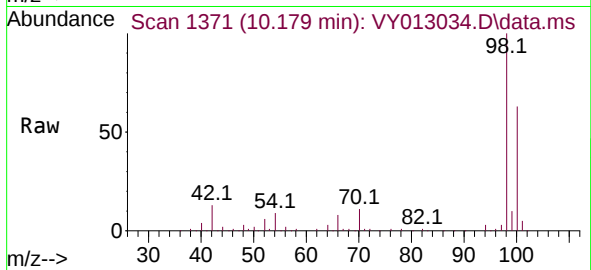
SP-3RE

Tgt Ion: 98 Resp: 69134

Ion Ratio Lower Upper

98 100

100 63.5 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 45.664 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY013034.D

Acq: 21 Mar 2023 17:55

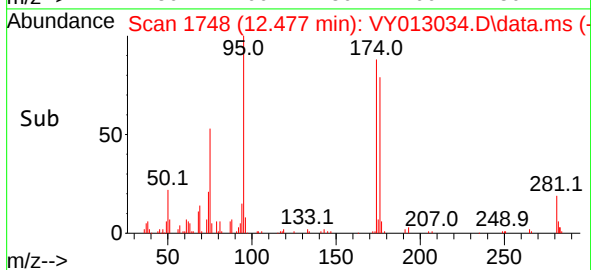
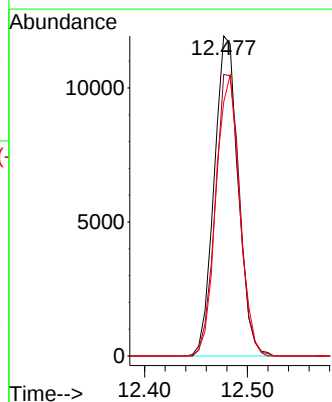
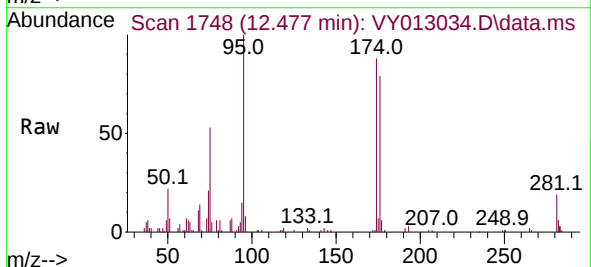
Tgt Ion: 95 Resp: 19331

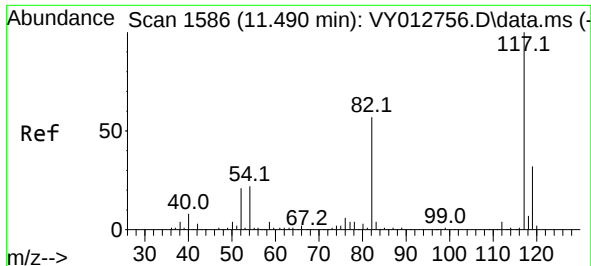
Ion Ratio Lower Upper

95 100

174 89.3 0.0 176.6

176 86.5 0.0 170.2

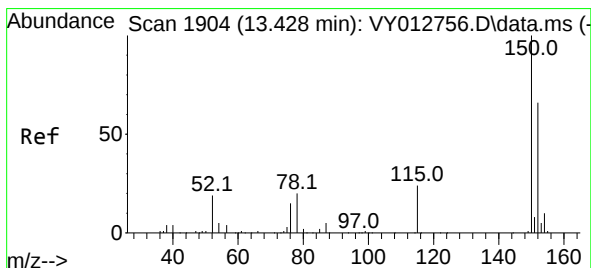
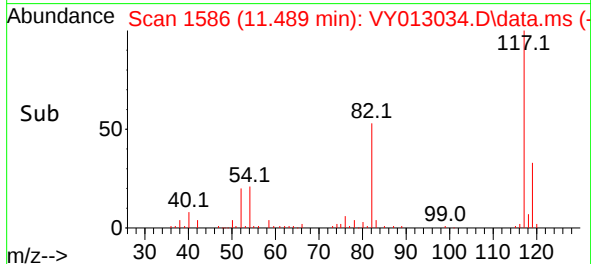
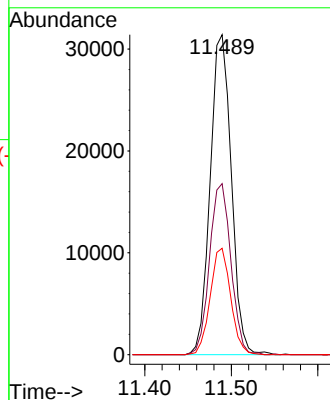
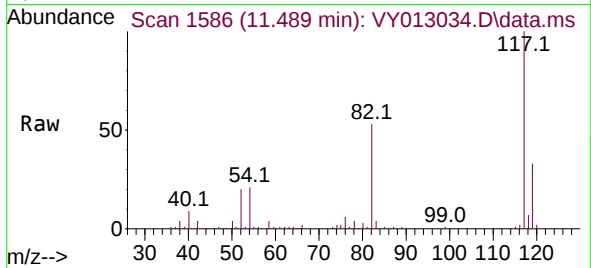




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013034.D
Acq: 21 Mar 2023 17:55

Instrument :
MSVOA_Y
ClientSampleId :
SP-3RE

Tgt Ion:117 Resp: 53229
Ion Ratio Lower Upper
117 100
82 53.5 45.4 68.0
119 33.2 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: VY013034.D
Acq: 21 Mar 2023 17:55

Tgt Ion:152 Resp: 21356
Ion Ratio Lower Upper
152 100
115 57.7 27.1 81.3
150 157.4 0.0 347.8

