

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032023\
 Data File : VY013006.D
 Acq On : 20 Mar 2023 14:30
 Operator : KP/MD
 Sample : 02012-01
 Misc : 7.33g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-23-SB01

Quant Time: Mar 21 01:12:57 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	84571	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	142602	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	127497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	56458	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	55195	65.733	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.460%
35) Dibromofluoromethane	7.716	113	48386	56.223	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.440%
50) Toluene-d8	10.179	98	170268	54.119	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.240%
62) 4-Bromofluorobenzene	12.483	95	51440	48.441	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.880%

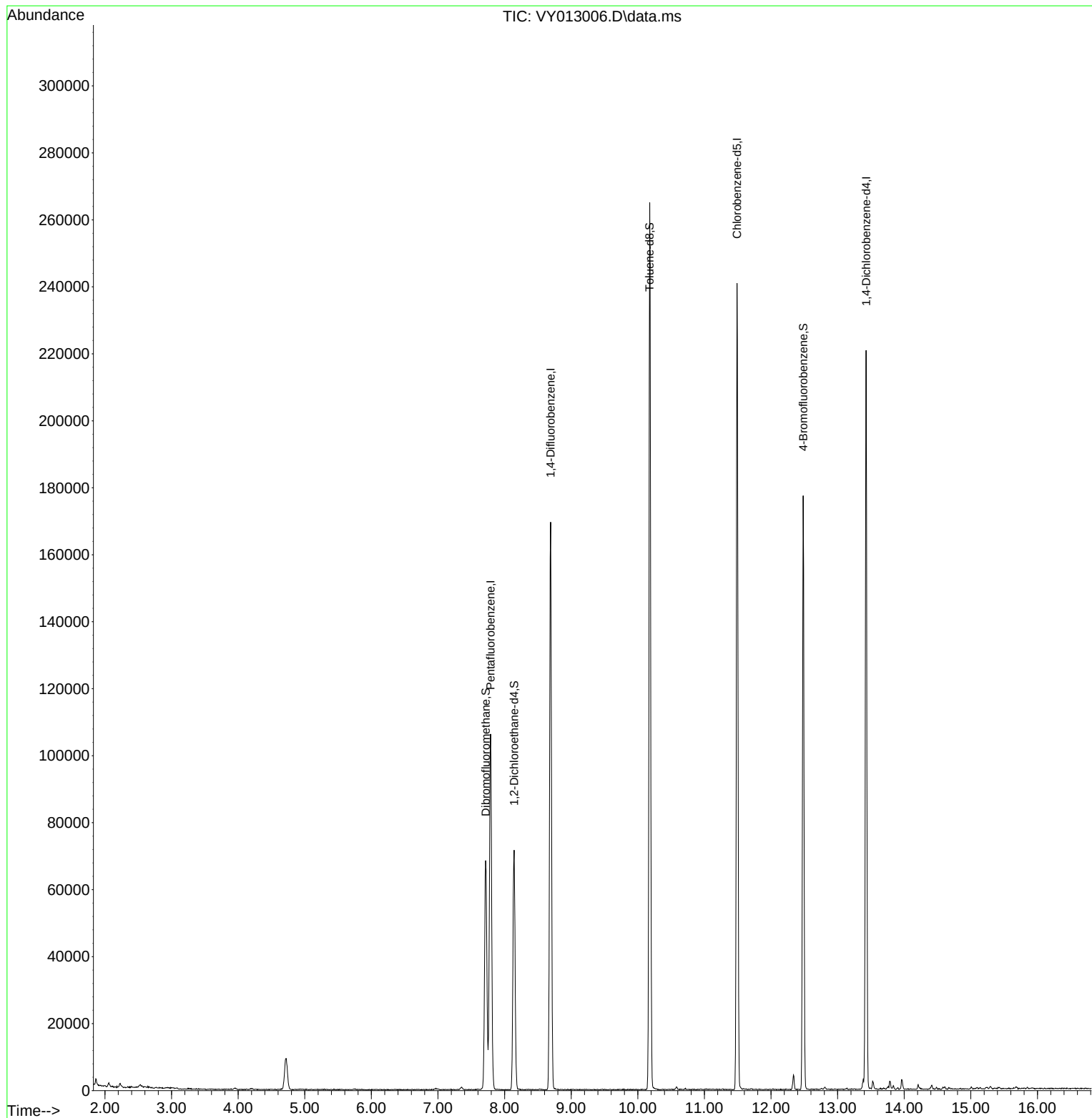
Target Compounds	Qvalue

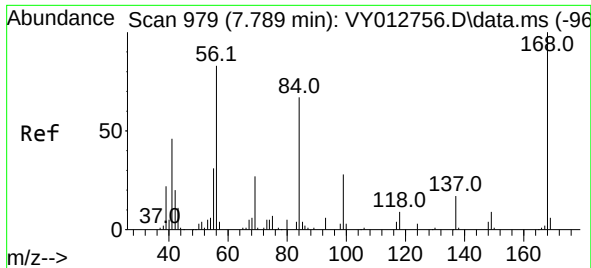
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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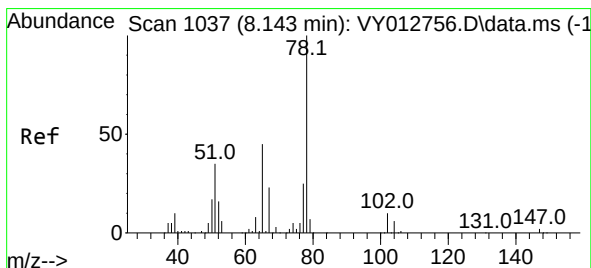
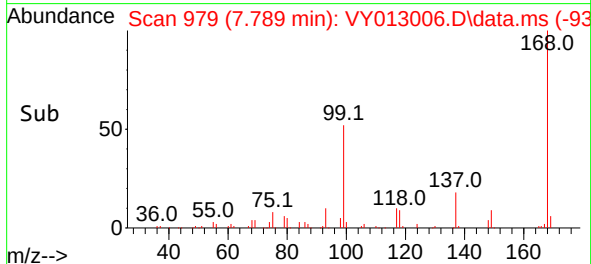
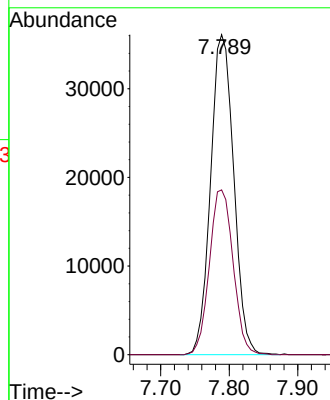
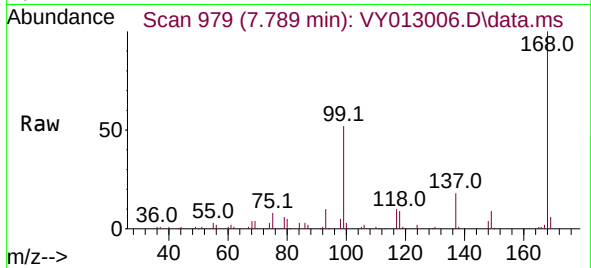




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013006.D
Acq: 20 Mar 2023 14:30

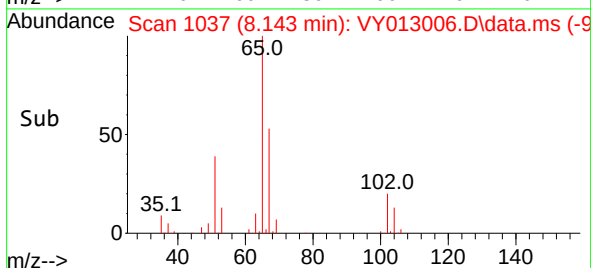
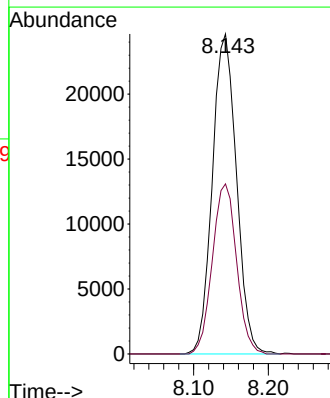
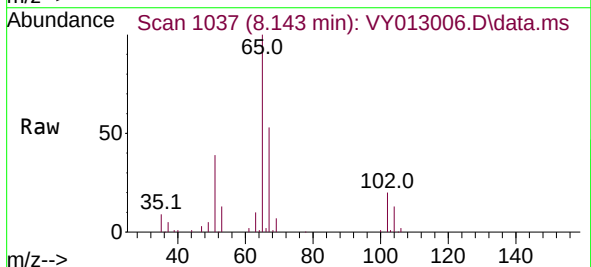
Instrument :
MSVOA_Y
ClientSampleId :
B-23-SB01

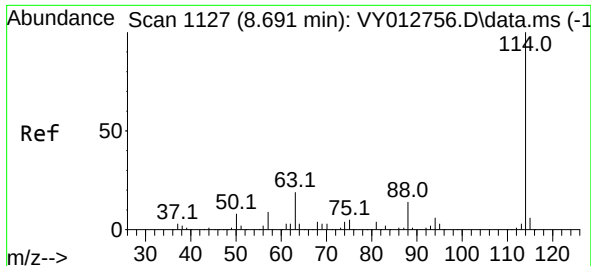
Tgt Ion:168 Resp: 84571
Ion Ratio Lower Upper
168 100
99 51.5 41.7 62.5



#33
1,2-Dichloroethane-d4
Concen: 65.733 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY013006.D
Acq: 20 Mar 2023 14:30

Tgt Ion: 65 Resp: 55195
Ion Ratio Lower Upper
65 100
67 53.3 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: VY013006.D

Acq: 20 Mar 2023 14:30

Instrument :

MSVOA_Y

ClientSampleId :

B-23-SB01

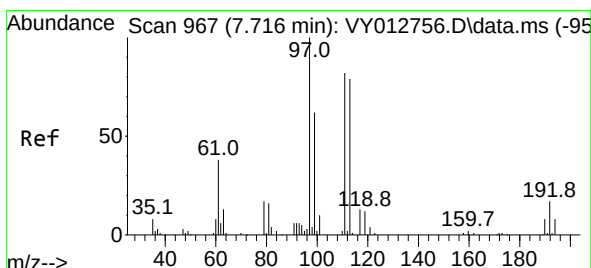
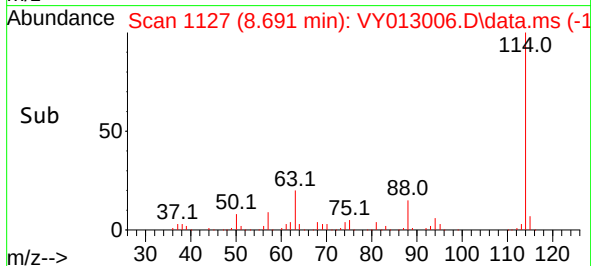
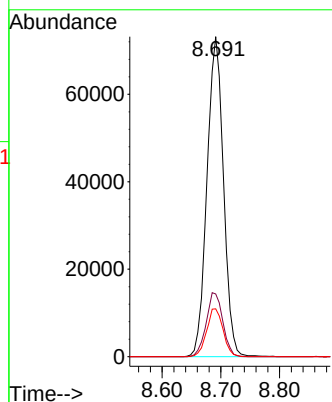
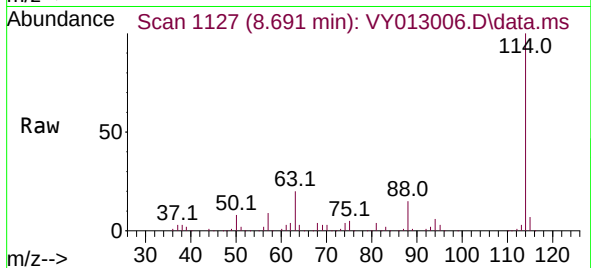
Tgt Ion:114 Resp: 142602

Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.4

88 15.0 0.0 28.6



#35

Dibromofluoromethane

Concen: 56.223 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY013006.D

Acq: 20 Mar 2023 14:30

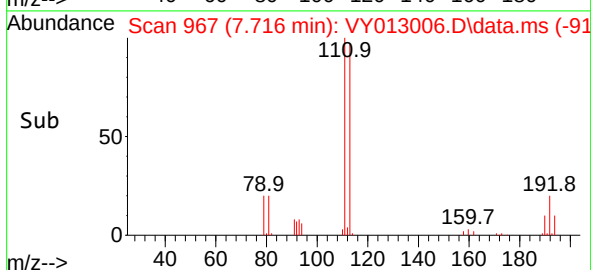
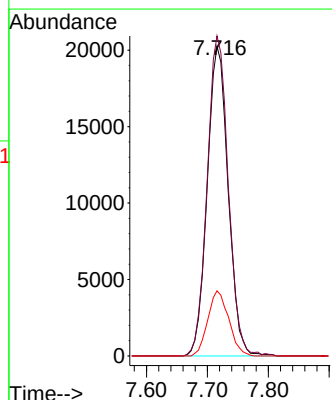
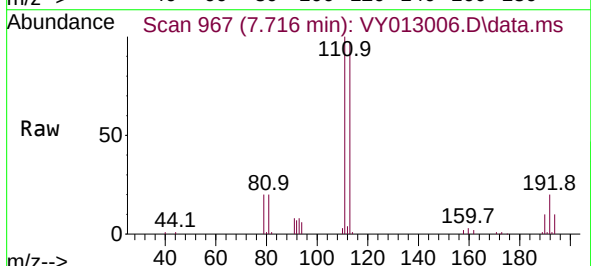
Tgt Ion:113 Resp: 48386

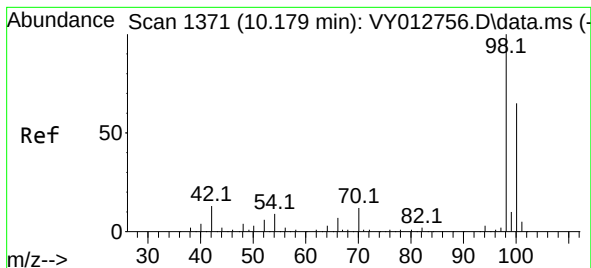
Ion Ratio Lower Upper

113 100

111 104.2 82.2 123.2

192 21.0 16.8 25.2





#50

Toluene-d8

Concen: 54.119 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY013006.D

Acq: 20 Mar 2023 14:30

Instrument :

MSVOA_Y

ClientSampleId :

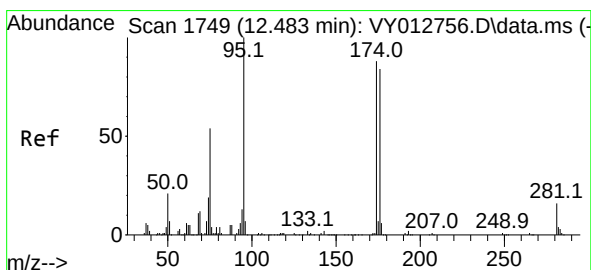
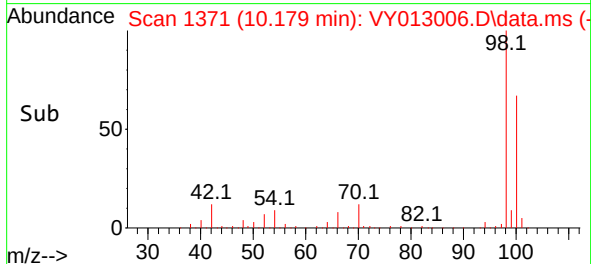
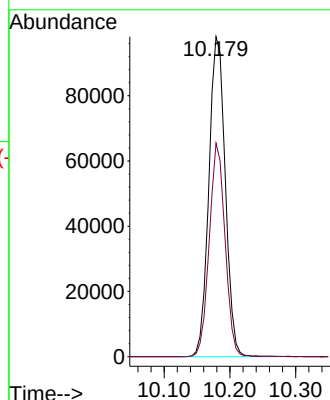
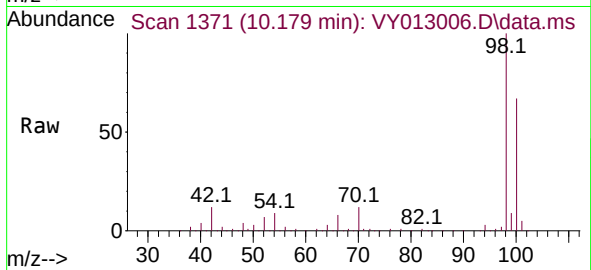
B-23-SB01

Tgt Ion: 98 Resp: 170268

Ion Ratio Lower Upper

98 100

100 64.2 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 48.441 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY013006.D

Acq: 20 Mar 2023 14:30

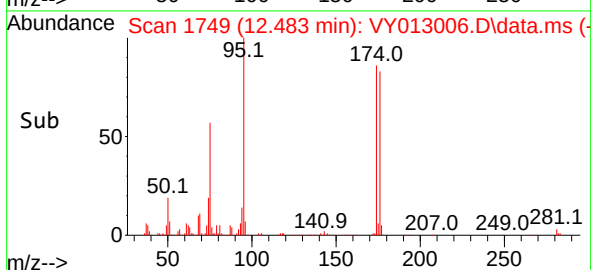
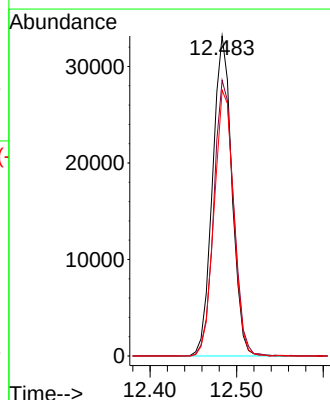
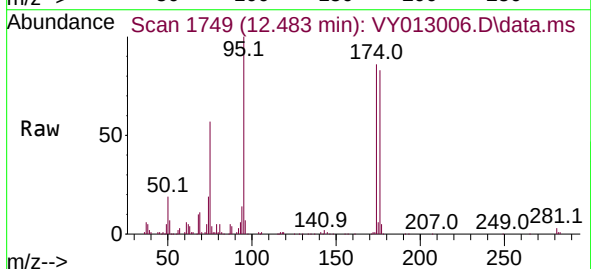
Tgt Ion: 95 Resp: 51440

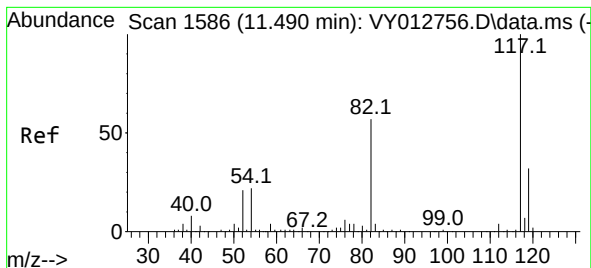
Ion Ratio Lower Upper

95 100

174 88.1 0.0 176.6

176 83.8 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: VY013006.D

Acq: 20 Mar 2023 14:30

Instrument :

MSVOA_Y

ClientSampleId :

B-23-SB01

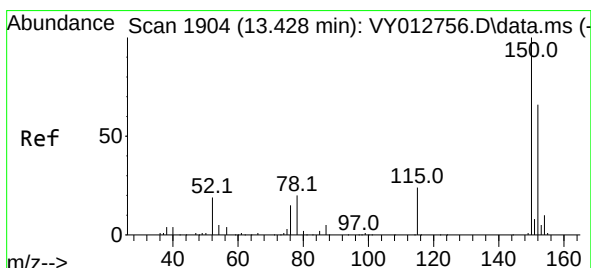
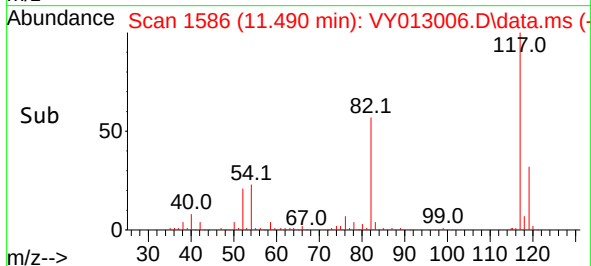
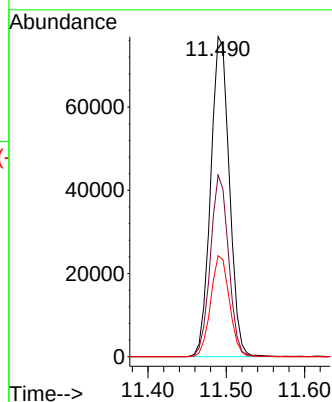
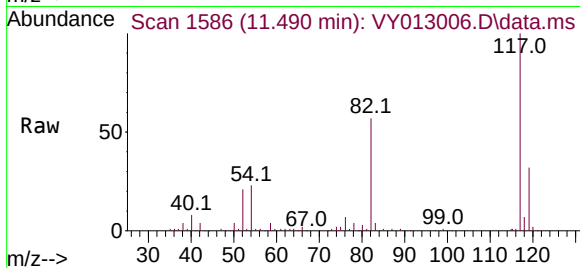
Tgt Ion:117 Resp: 127497

Ion Ratio Lower Upper

117 100

82 56.7 45.4 68.0

119 31.6 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: VY013006.D

Acq: 20 Mar 2023 14:30

Tgt Ion:152 Resp: 56458

Ion Ratio Lower Upper

152 100

115 55.4 27.1 81.3

150 155.9 0.0 347.8

