

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060723\
 Data File : VY014059.D
 Acq On : 07 Jun 2023 14:55
 Operator : KP/MD
 Sample : 03069-07
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB36

Quant Time: Jun 08 02:33:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	140943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	236577	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	232872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	105296	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	87139	46.704	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.400%
35) Dibromofluoromethane	7.722	113	78353	52.115	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.220%
50) Toluene-d8	10.185	98	297326	51.845	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.700%
62) 4-Bromofluorobenzene	12.483	95	91661	46.882	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.760%

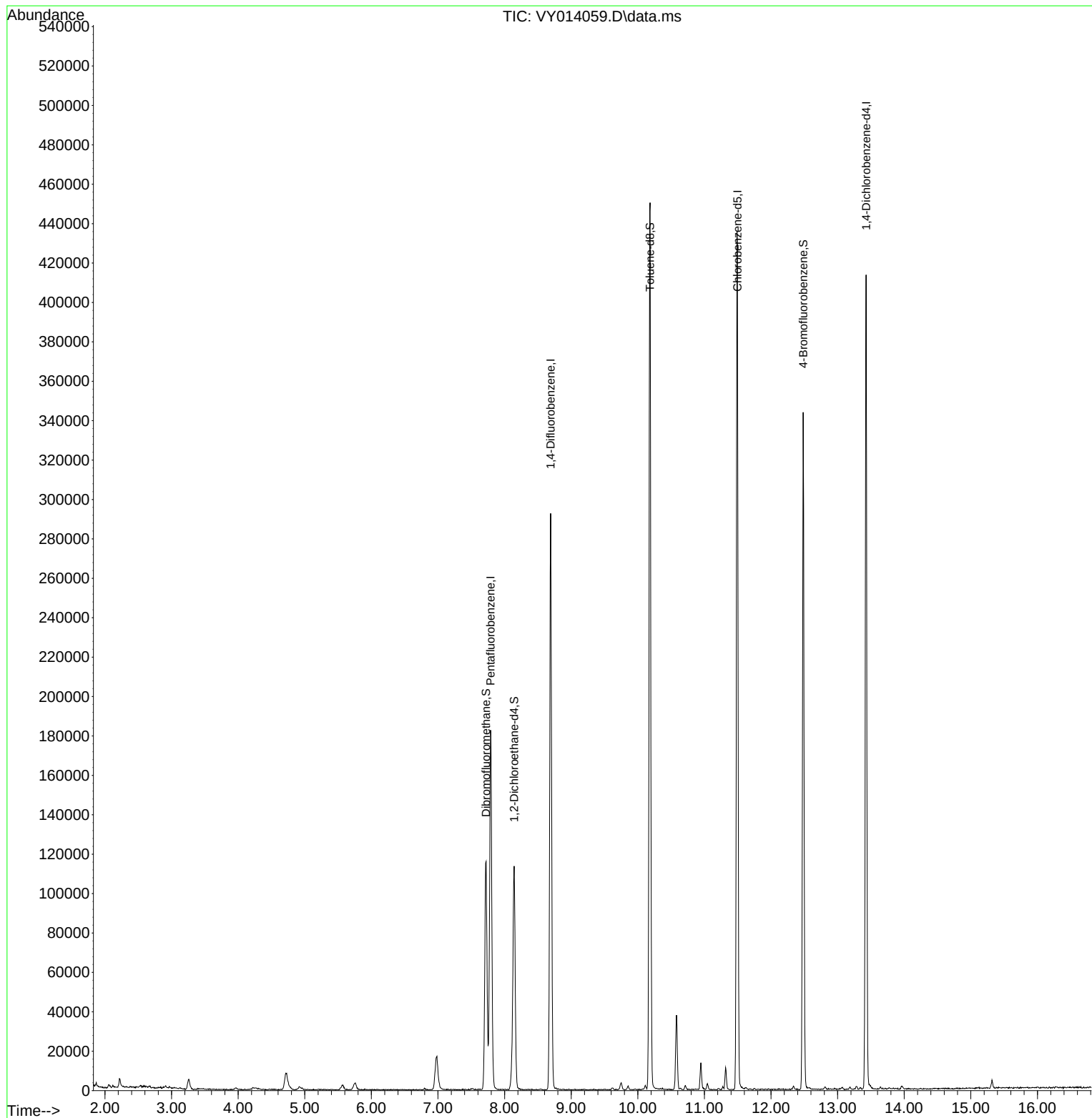
Target Compounds	Qvalue

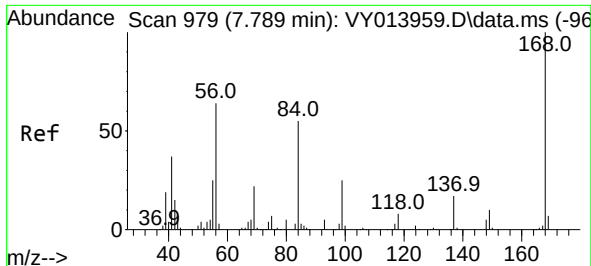
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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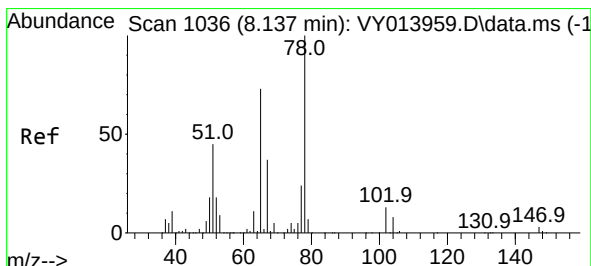
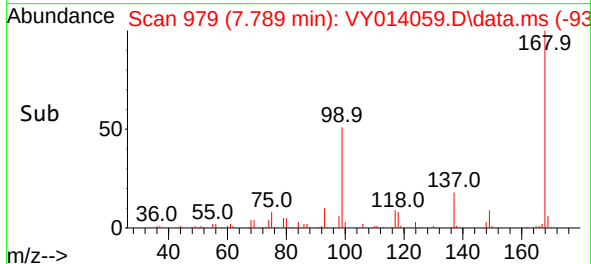
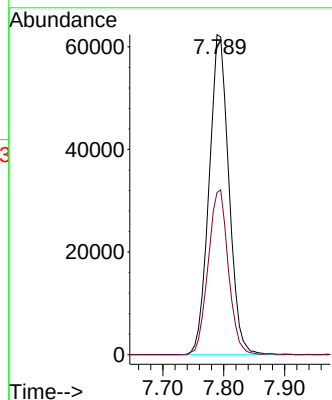
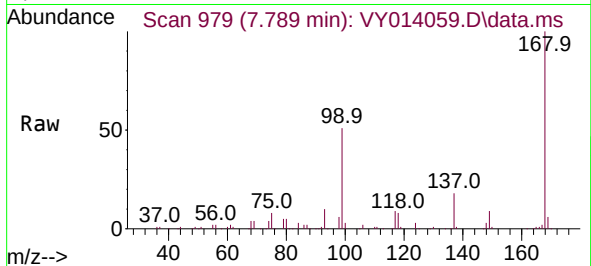




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014059.D
Acq: 07 Jun 2023 14:55

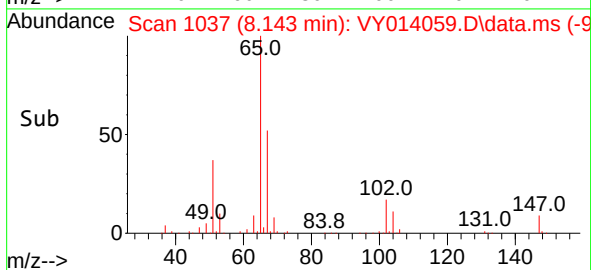
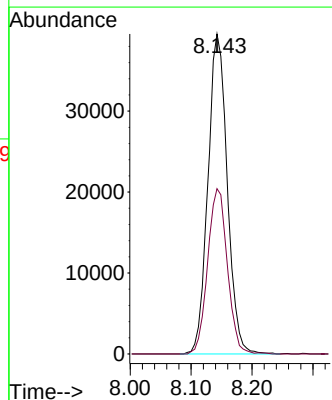
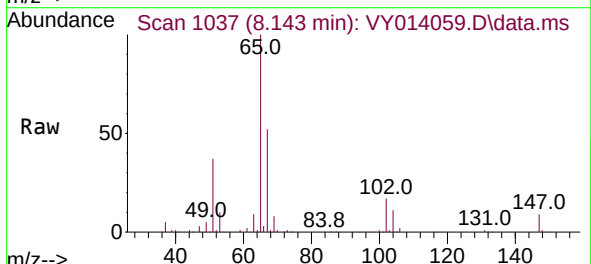
Instrument :
MSVOA_Y
ClientSampleId :
SB36

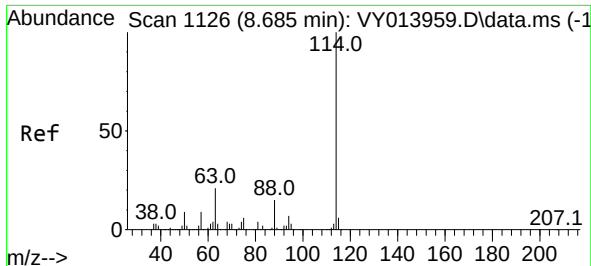
Tgt Ion:168 Resp: 140943
Ion Ratio Lower Upper
168 100
99 50.7 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 46.704 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY014059.D
Acq: 07 Jun 2023 14:55

Tgt Ion: 65 Resp: 87139
Ion Ratio Lower Upper
65 100
67 52.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014059.D

Acq: 07 Jun 2023 14:55

Instrument :

MSVOA_Y

ClientSampleId :

SB36

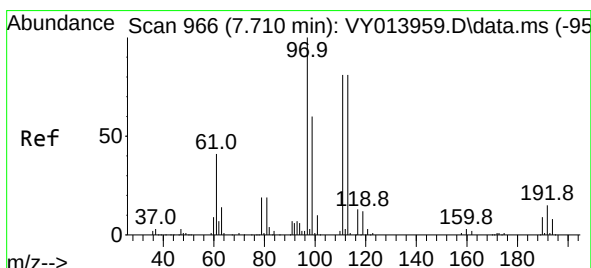
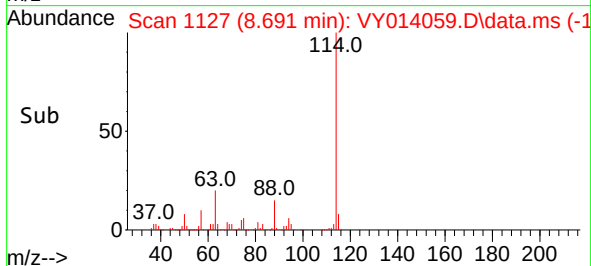
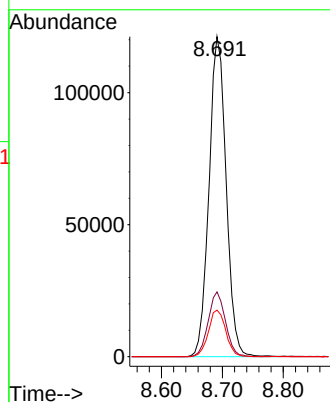
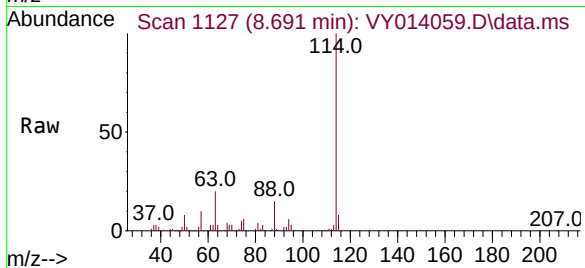
Tgt Ion:114 Resp: 236577

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.4

88 14.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.115 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.012 min

Lab File: VY014059.D

Acq: 07 Jun 2023 14:55

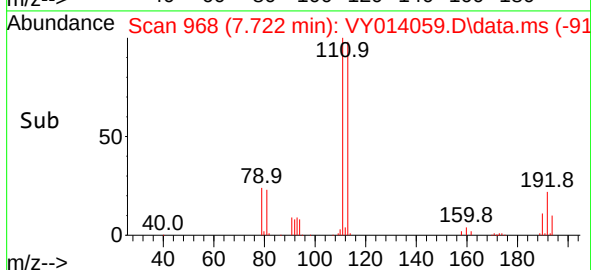
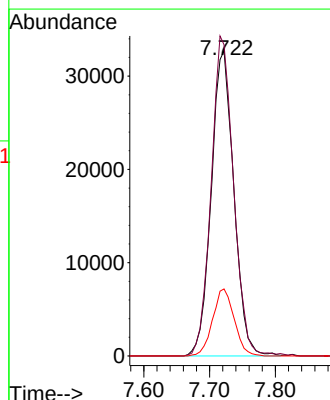
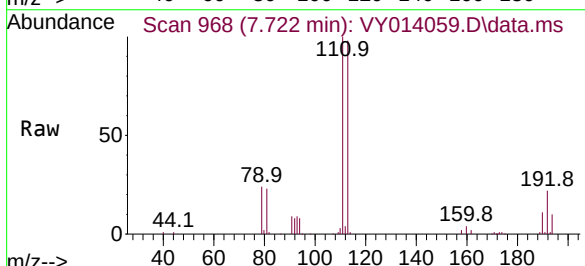
Tgt Ion:113 Resp: 78353

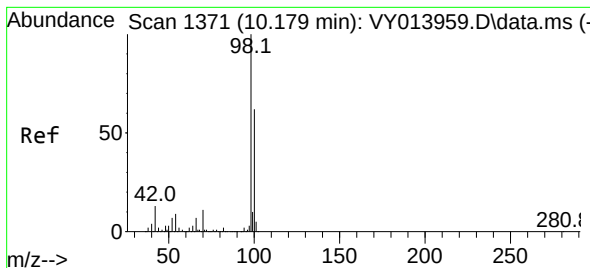
Ion Ratio Lower Upper

113 100

111 103.8 81.3 121.9

192 21.0 16.9 25.3





#50

Toluene-d8

Concen: 51.845 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY014059.D

Acq: 07 Jun 2023 14:55

Instrument :

MSVOA_Y

ClientSampleId :

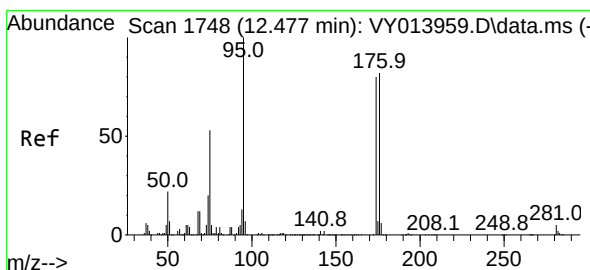
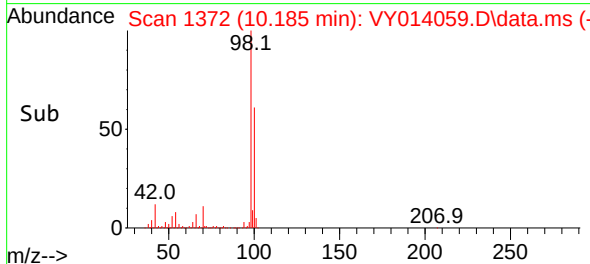
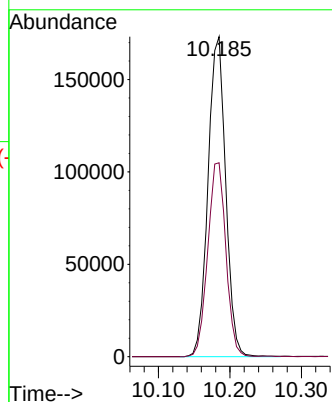
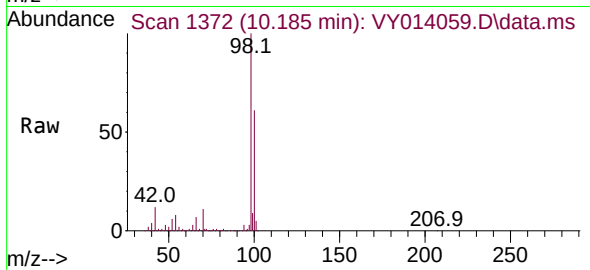
SB36

Tgt Ion: 98 Resp: 297326

Ion Ratio Lower Upper

98 100

100 62.2 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 46.882 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY014059.D

Acq: 07 Jun 2023 14:55

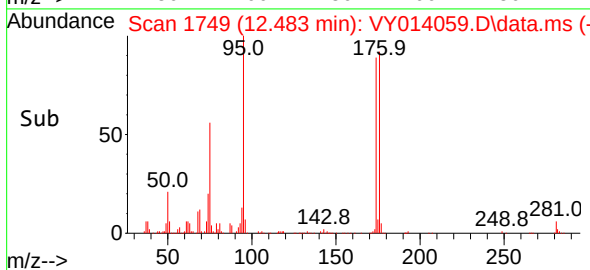
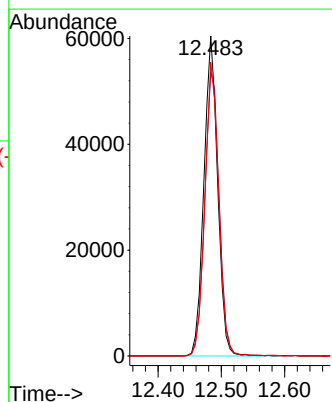
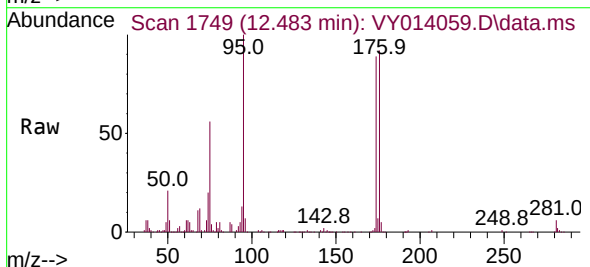
Tgt Ion: 95 Resp: 91661

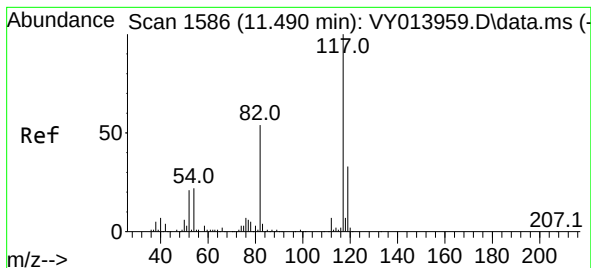
Ion Ratio Lower Upper

95 100

174 93.4 0.0 178.2

176 91.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY014059.D

Acq: 07 Jun 2023 14:55

Instrument :

MSVOA_Y

ClientSampleId :

SB36

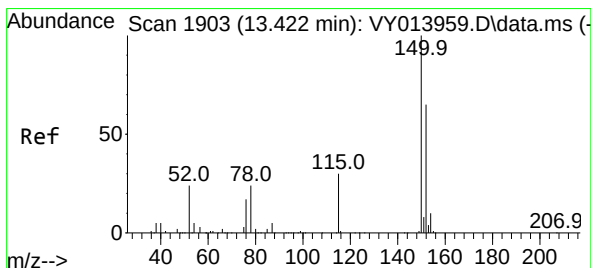
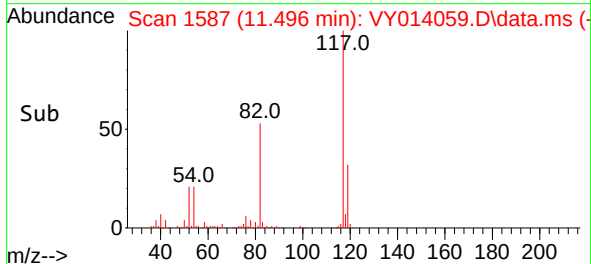
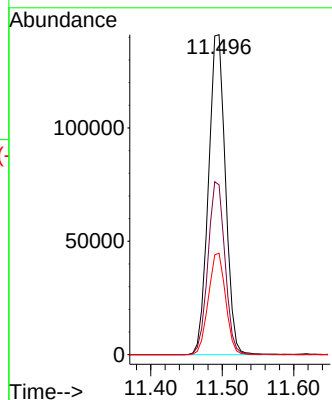
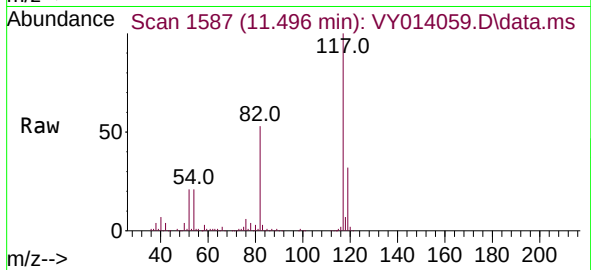
Tgt Ion:117 Resp: 232872

Ion Ratio Lower Upper

117 100

82 53.0 43.4 65.0

119 31.7 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY014059.D

Acq: 07 Jun 2023 14:55

Tgt Ion:152 Resp: 105296

Ion Ratio Lower Upper

152 100

115 56.4 28.8 86.5

150 158.4 0.0 348.8

