

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080123\
 Data File : VY014922.D
 Acq On : 01 Aug 2023 11:08
 Operator : SY/MD
 Sample : VY0801SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0801SBL01

Quant Time: Aug 02 01:54:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	227620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	401551	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	381704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	181814	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	148226	57.146	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.300%
35) Dibromofluoromethane	7.716	113	126520	49.496	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.000%
50) Toluene-d8	10.179	98	476496	50.562	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.120%
62) 4-Bromofluorobenzene	12.477	95	175877	48.672	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.340%

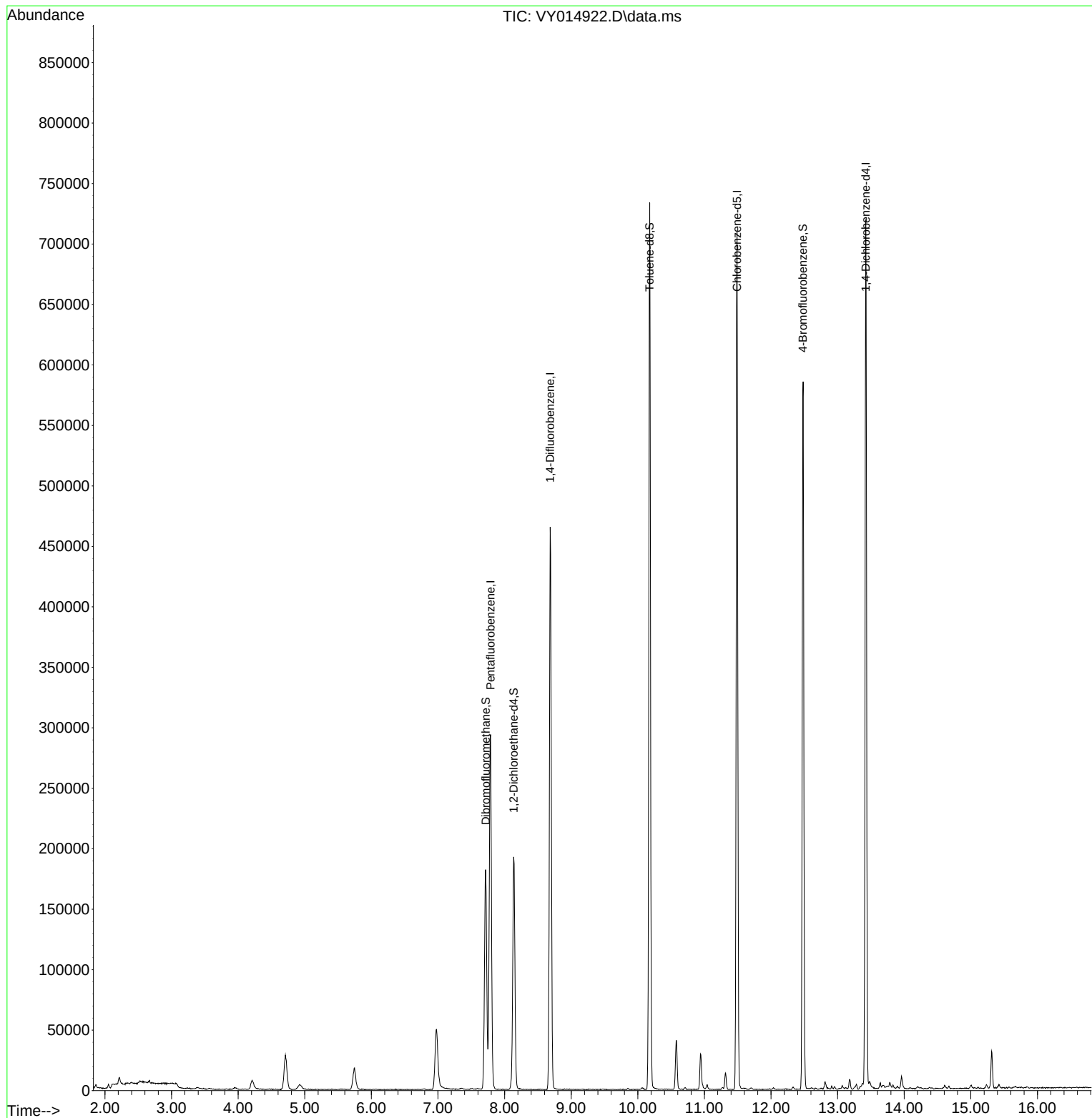
Target Compounds	Qvalue

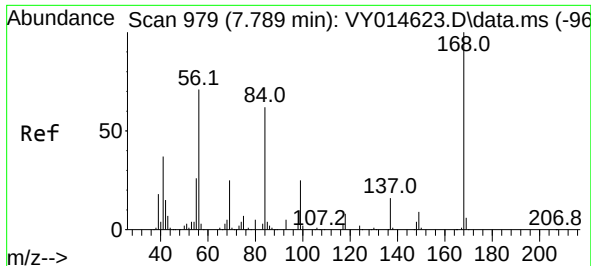
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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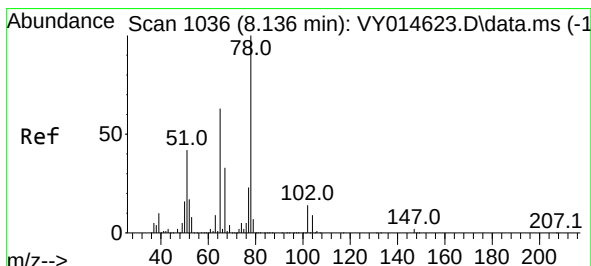
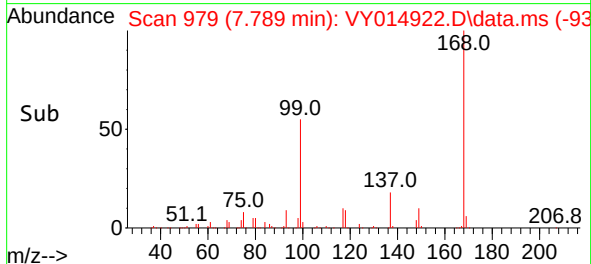
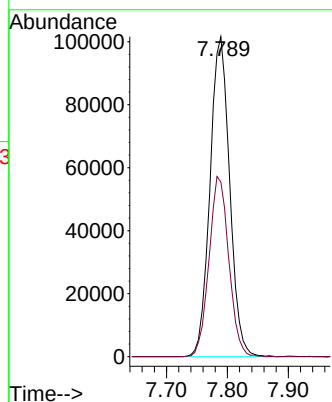
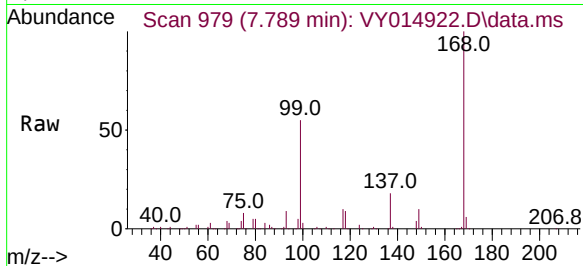




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014922.D
Acq: 01 Aug 2023 11:08

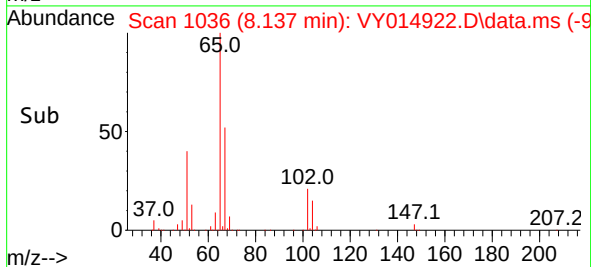
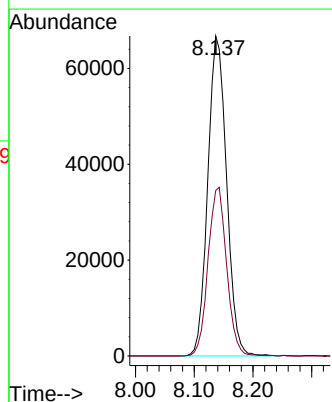
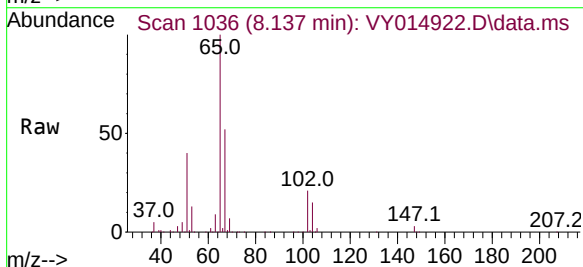
Instrument :
MSVOA_Y
ClientSampleId :
VY0801SBL01

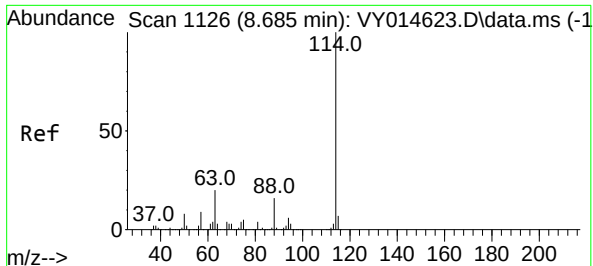
Tgt Ion:168 Resp: 227620
Ion Ratio Lower Upper
168 100
99 54.6 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 57.146 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY014922.D
Acq: 01 Aug 2023 11:08

Tgt Ion: 65 Resp: 148226
Ion Ratio Lower Upper
65 100
67 52.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY014922.D

Acq: 01 Aug 2023 11:08

Instrument :

MSVOA_Y

ClientSampleId :

VY0801SBL01

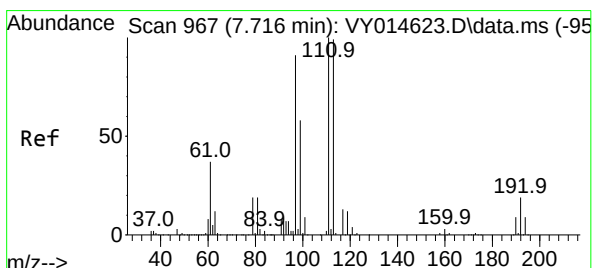
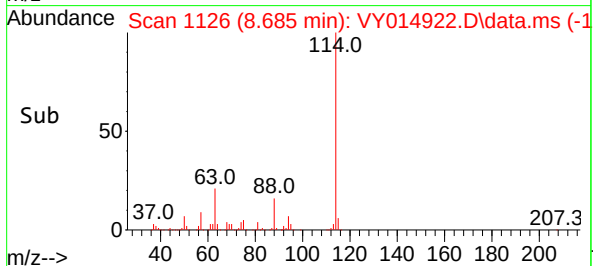
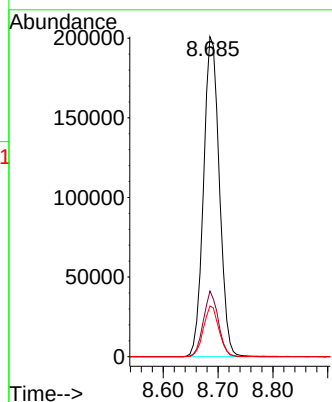
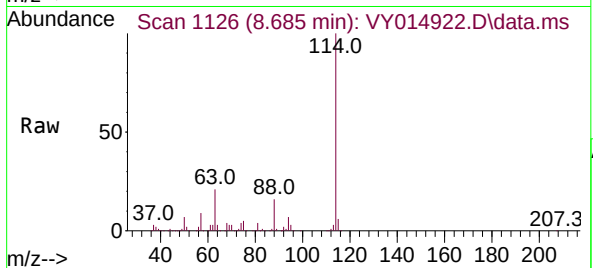
Tgt Ion:114 Resp: 401551

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.4

88 15.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.496 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014922.D

Acq: 01 Aug 2023 11:08

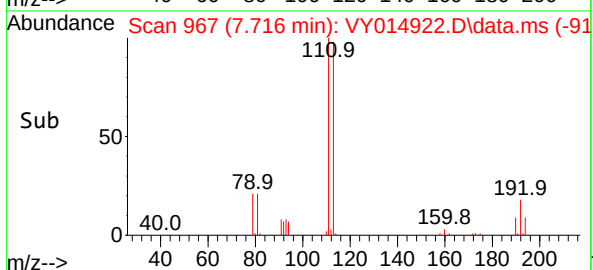
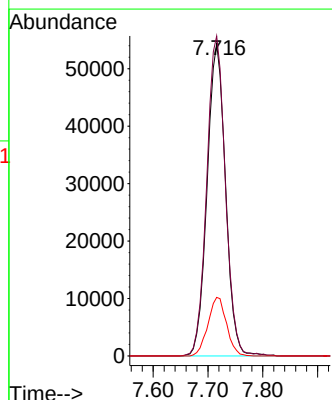
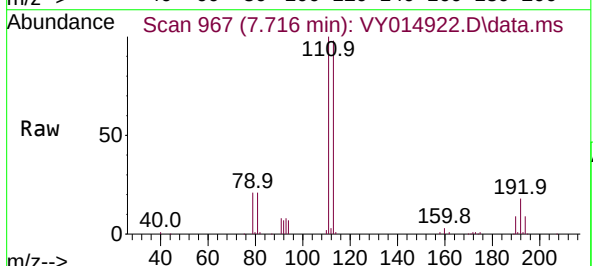
Tgt Ion:113 Resp: 126520

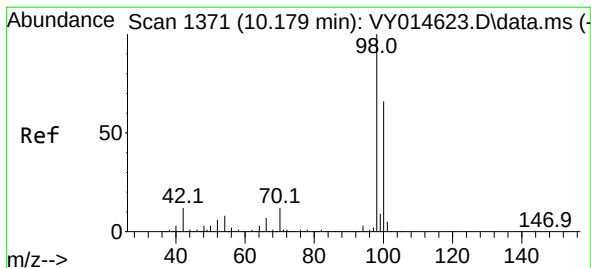
Ion Ratio Lower Upper

113 100

111 103.9 81.3 121.9

192 18.9 16.9 25.3





#50

Toluene-d8

Concen: 50.562 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY014922.D

Acq: 01 Aug 2023 11:08

Instrument :

MSVOA_Y

ClientSampleId :

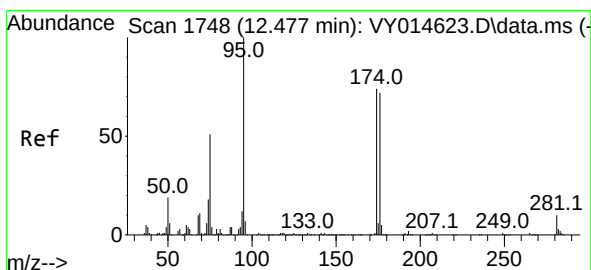
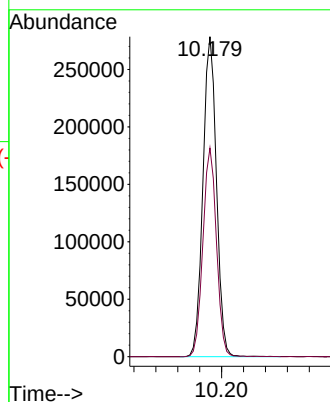
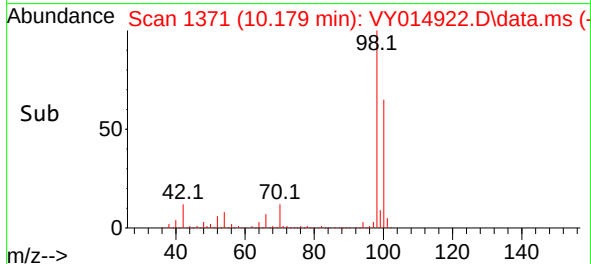
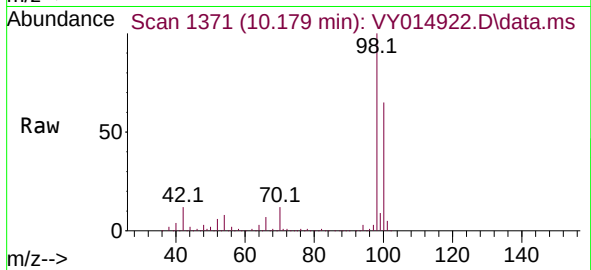
VY0801SBL01

Tgt Ion: 98 Resp: 476496

Ion Ratio Lower Upper

98 100

100 65.3 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 48.672 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY014922.D

Acq: 01 Aug 2023 11:08

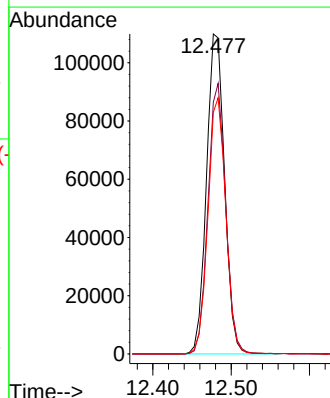
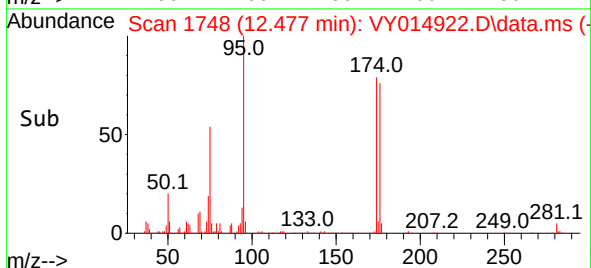
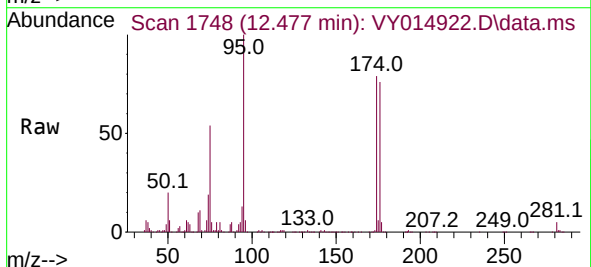
Tgt Ion: 95 Resp: 175877

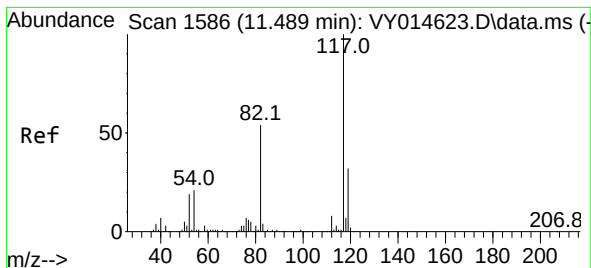
Ion Ratio Lower Upper

95 100

174 82.7 0.0 178.2

176 79.1 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014922.D

Acq: 01 Aug 2023 11:08

Instrument :

MSVOA_Y

ClientSampleId :

VY0801SBL01

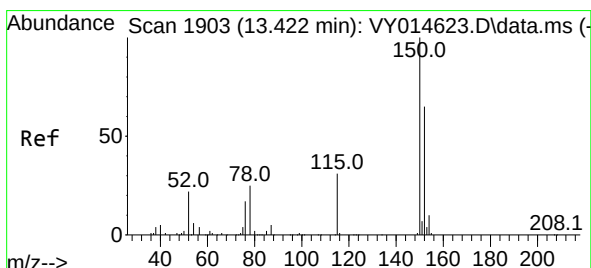
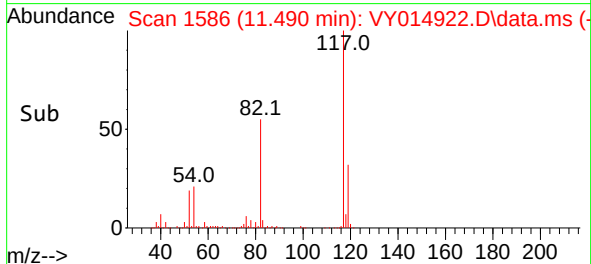
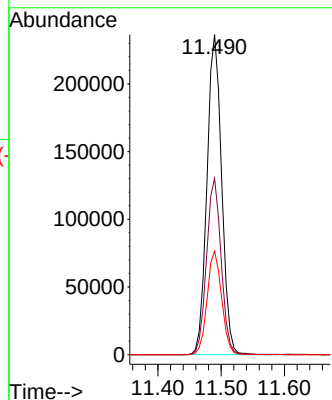
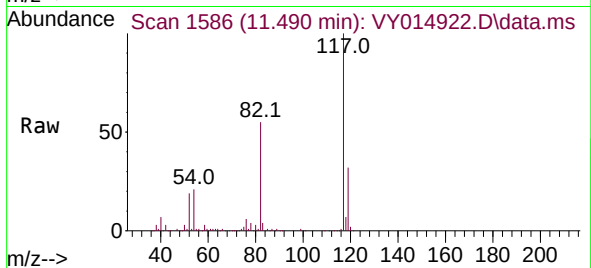
Tgt Ion:117 Resp: 381704

Ion Ratio Lower Upper

117 100

82 55.0 43.4 65.0

119 32.4 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014922.D

Acq: 01 Aug 2023 11:08

Tgt Ion:152 Resp: 181814

Ion Ratio Lower Upper

152 100

115 59.8 28.8 86.5

150 159.2 0.0 348.8

