

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061223\
 Data File : VY014119.D
 Acq On : 12 Jun 2023 14:45
 Operator : KP/MD
 Sample : 03123-17
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-RW11-GW-823-825

Quant Time: Jun 13 05:42:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	154744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	269233	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	289039	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	147216	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	117342	54.455	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.920%
35) Dibromofluoromethane	7.710	113	92388	48.387	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.780%
50) Toluene-d8	10.179	98	334288	46.831	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.660%
62) 4-Bromofluorobenzene	12.477	95	129612	51.115	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.220%

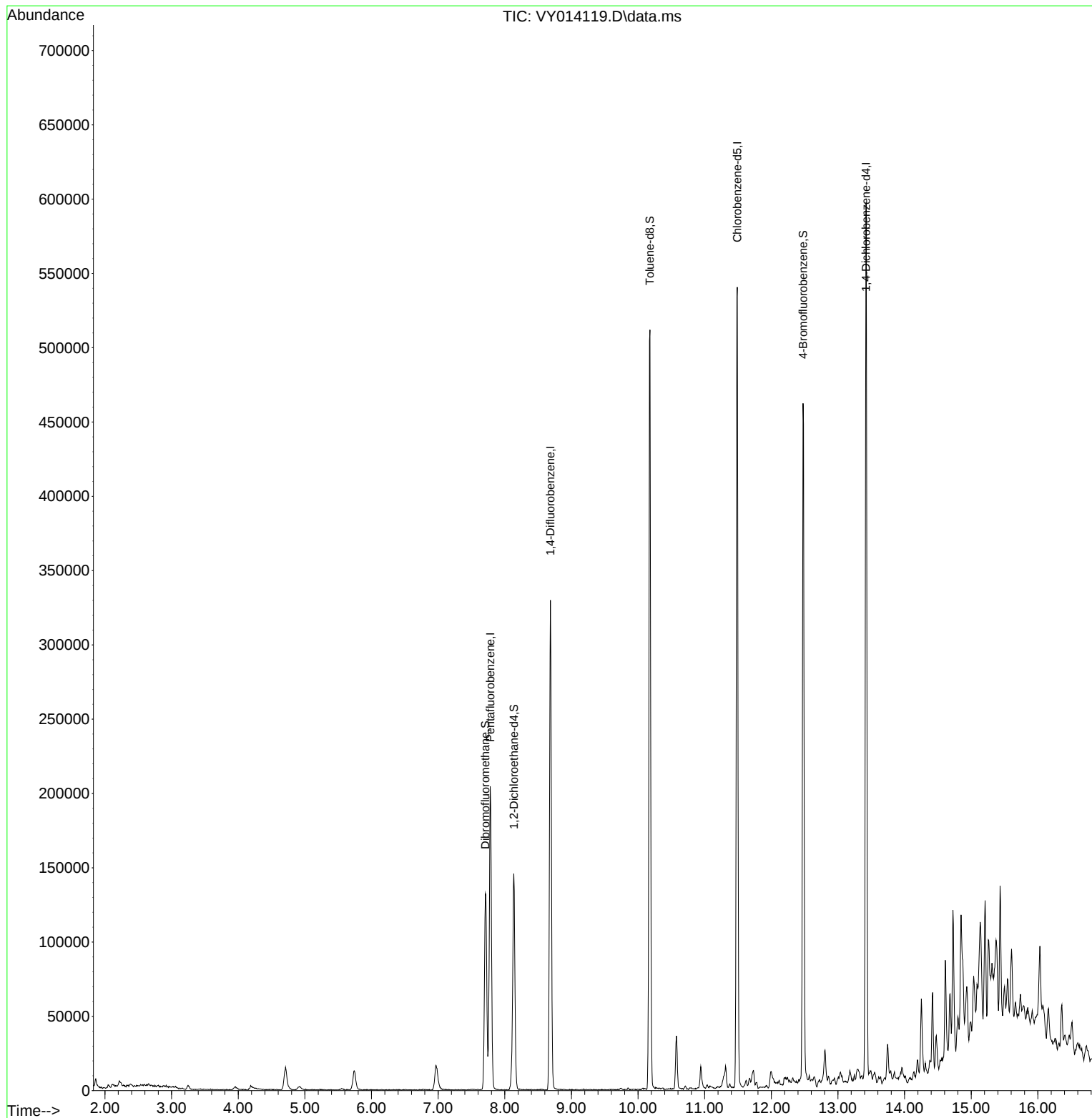
Target Compounds	Qvalue

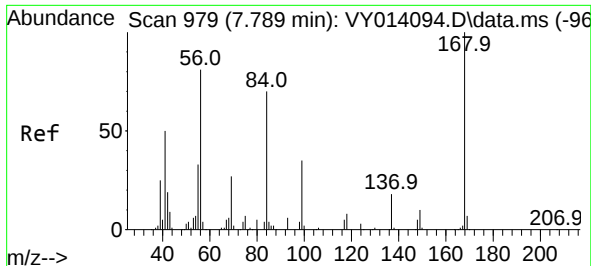
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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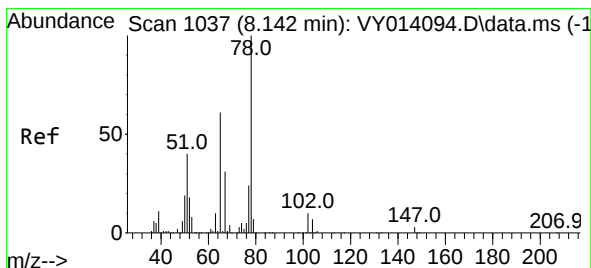
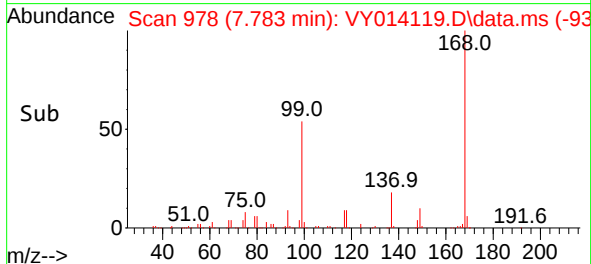
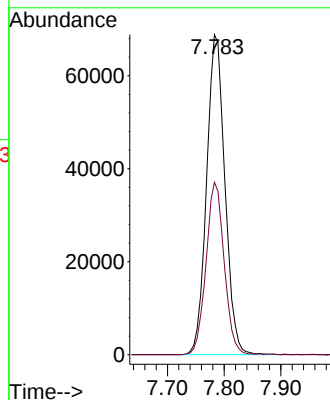
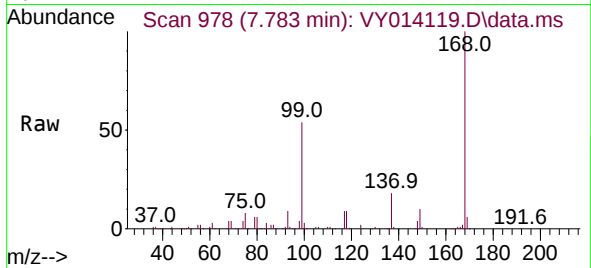




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014119.D
Acq: 12 Jun 2023 14:45

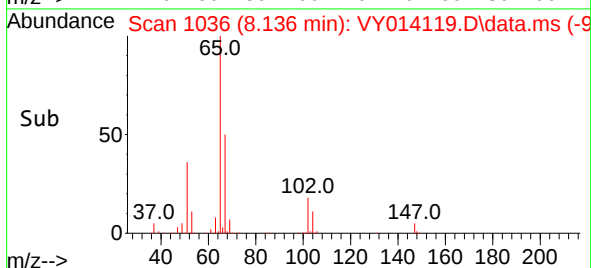
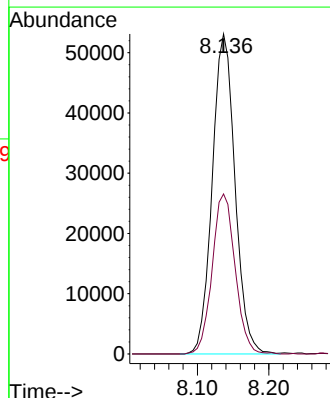
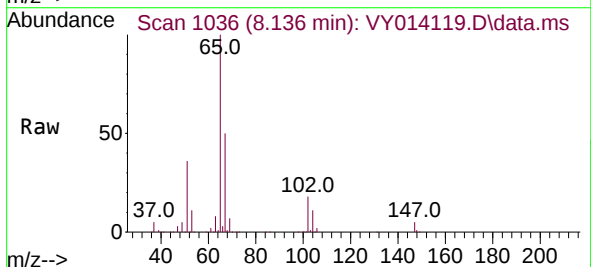
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW11-GW-823-825

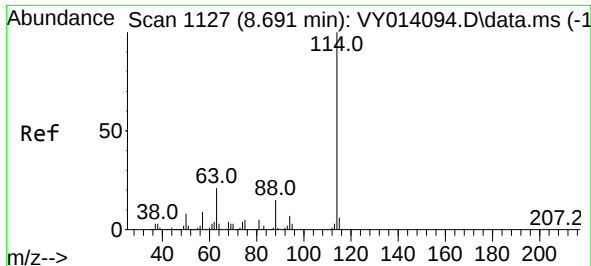
Tgt Ion:168 Resp: 154744
Ion Ratio Lower Upper
168 100
99 53.9 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 54.455 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014119.D
Acq: 12 Jun 2023 14:45

Tgt Ion: 65 Resp: 117342
Ion Ratio Lower Upper
65 100
67 50.4 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014119.D

Acq: 12 Jun 2023 14:45

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-RW11-GW-823-825

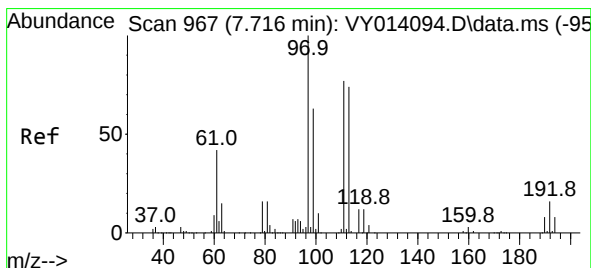
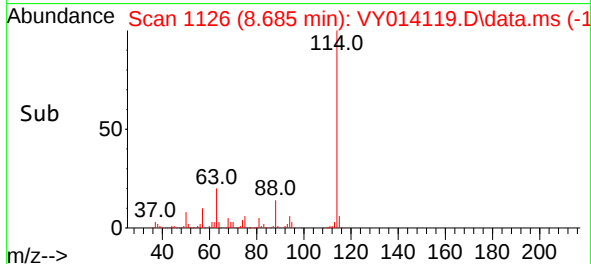
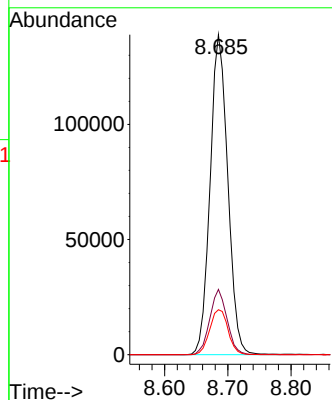
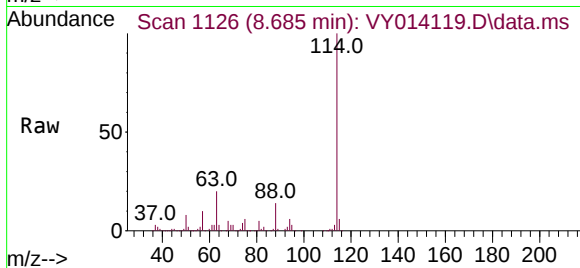
Tgt Ion:114 Resp: 269233

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.4

88 14.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.387 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014119.D

Acq: 12 Jun 2023 14:45

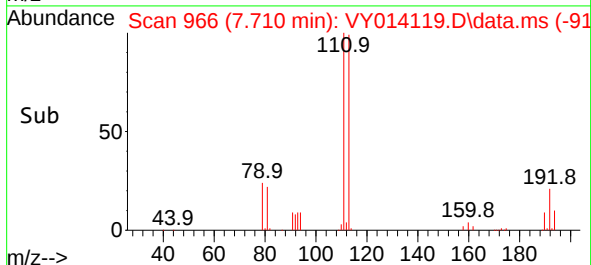
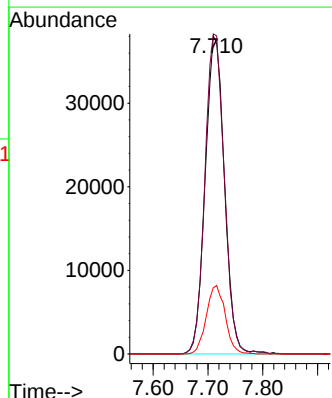
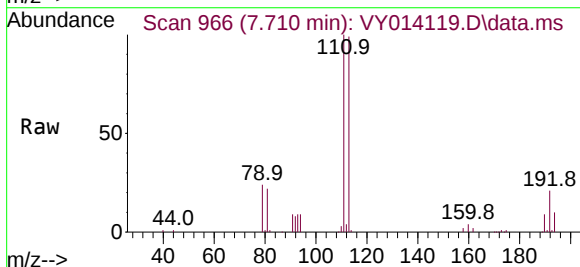
Tgt Ion:113 Resp: 92388

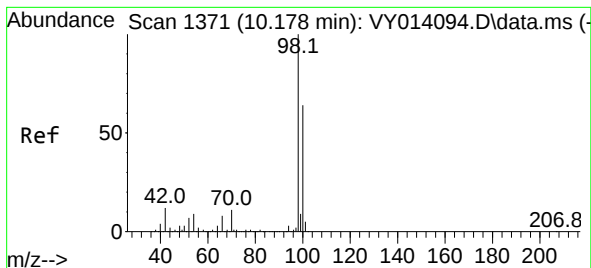
Ion Ratio Lower Upper

113 100

111 100.9 81.3 121.9

192 21.2 16.9 25.3





#50

Toluene-d8

Concen: 46.831 ug/l

RT: 10.179 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY014119.D

Acq: 12 Jun 2023 14:45

Instrument :

MSVOA_Y

ClientSampleId :

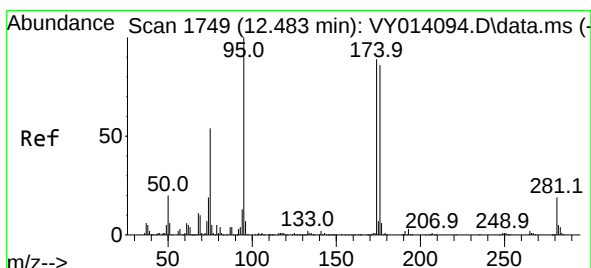
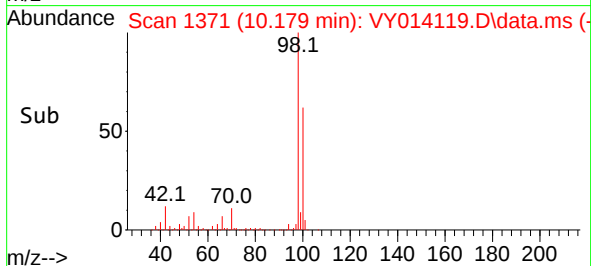
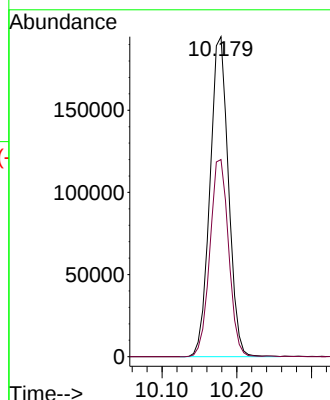
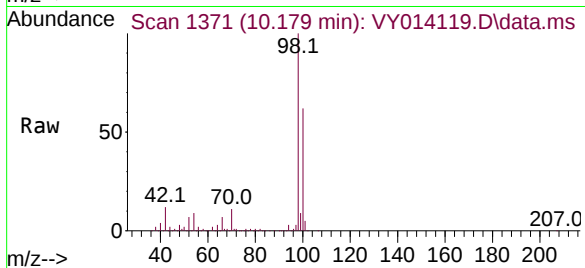
BP-VPB-RW11-GW-823-825

Tgt Ion: 98 Resp: 334288

Ion Ratio Lower Upper

98 100

100 62.3 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 51.115 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY014119.D

Acq: 12 Jun 2023 14:45

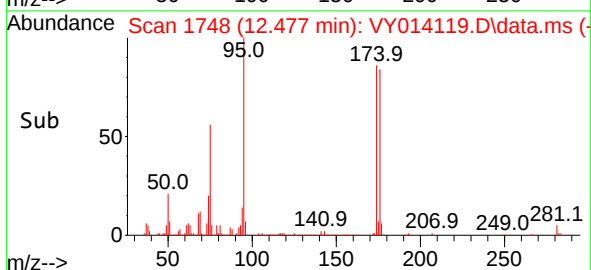
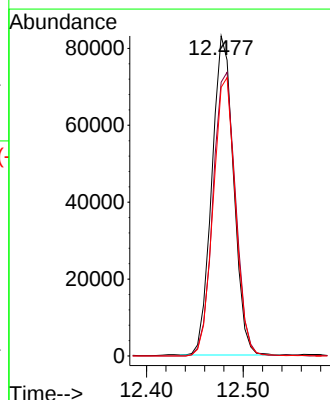
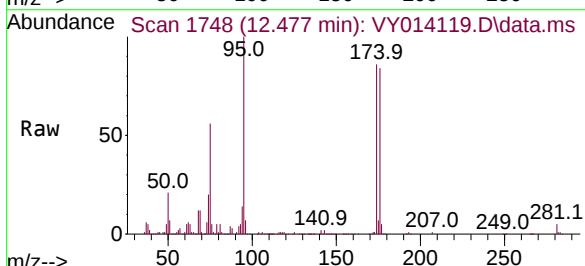
Tgt Ion: 95 Resp: 129612

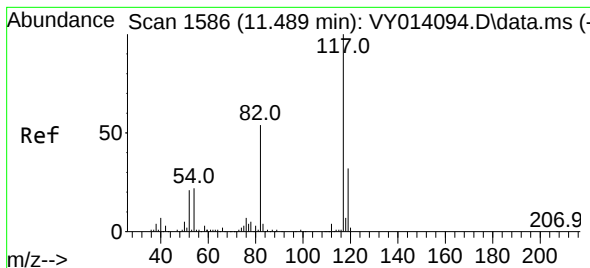
Ion Ratio Lower Upper

95 100

174 92.3 0.0 178.2

176 89.2 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: VY014119.D

Acq: 12 Jun 2023 14:45

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-RW11-GW-823-825

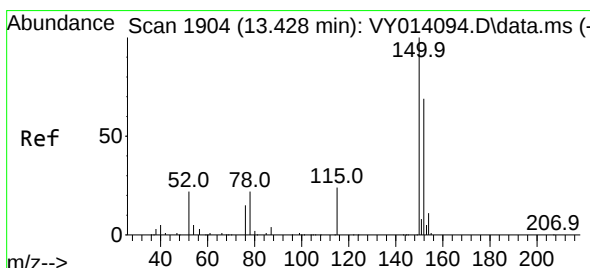
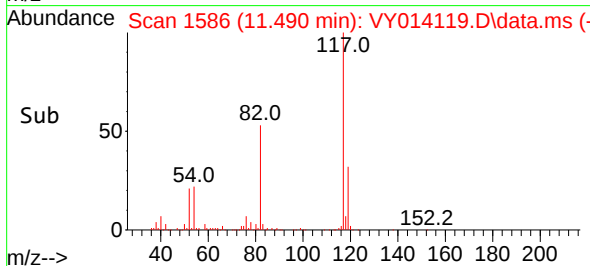
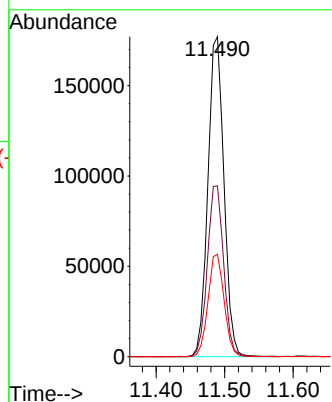
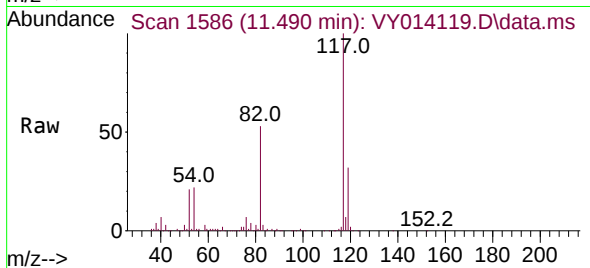
Tgt Ion:117 Resp: 289039

Ion Ratio Lower Upper

117 100

82 53.3 43.4 65.0

119 32.0 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014119.D

Acq: 12 Jun 2023 14:45

Tgt Ion:152 Resp: 147216

Ion Ratio Lower Upper

152 100

115 56.8 28.8 86.5

150 156.1 0.0 348.8

