

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062923\
 Data File : VY014499.D
 Acq On : 29 Jun 2023 16:26
 Operator : KP/MD
 Sample : 03473-05
 Misc : 5.59g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-TOPSOIL-010

Quant Time: Jun 30 04:10:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	189820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	267493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	249187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	116118	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	135283	57.402	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.800%
35) Dibromofluoromethane	7.716	113	83135	50.305	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.600%
50) Toluene-d8	10.173	98	314230	47.832	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.660%
62) 4-Bromofluorobenzene	12.477	95	95675	40.794	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.580%

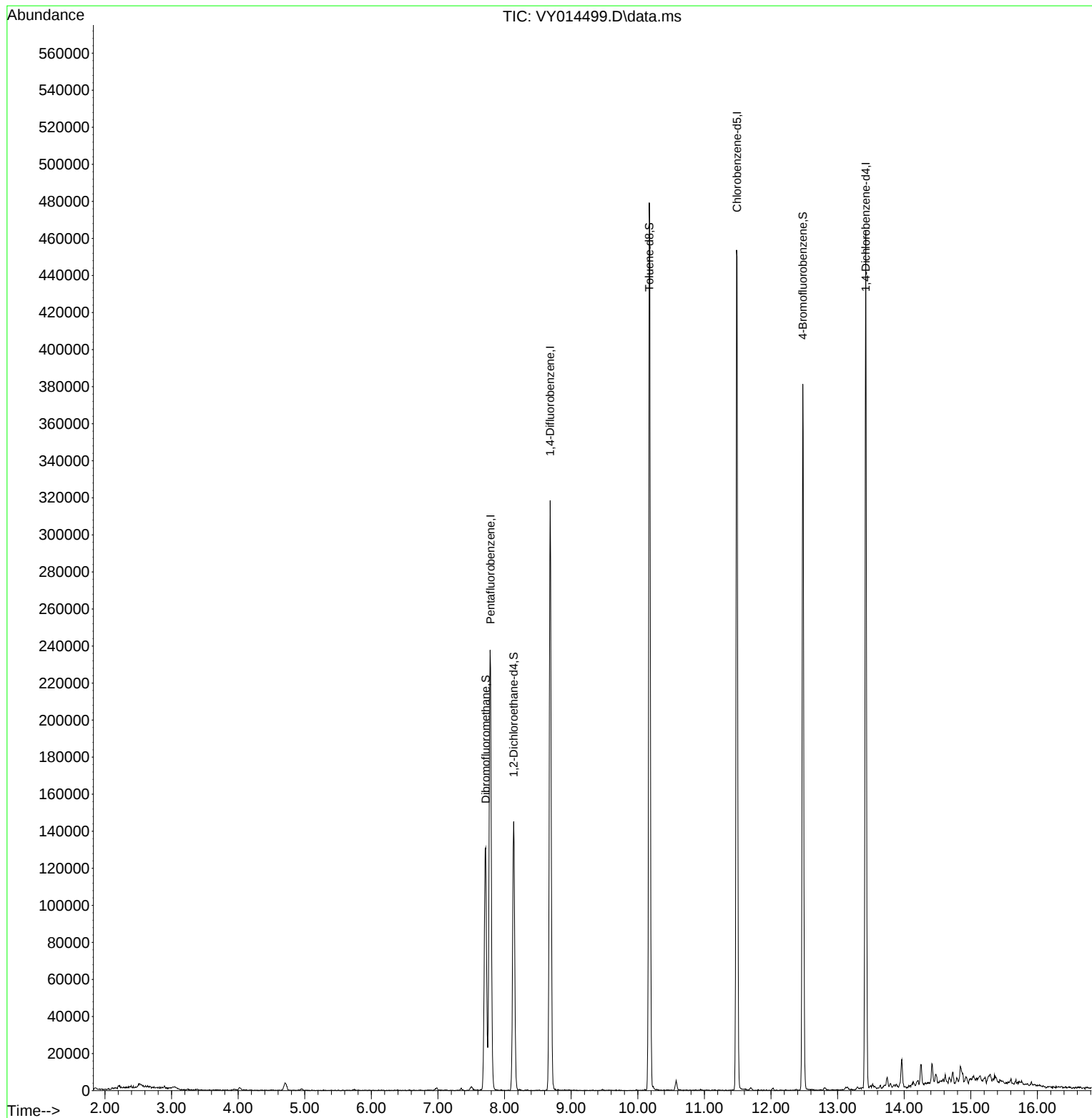
Target Compounds	Qvalue

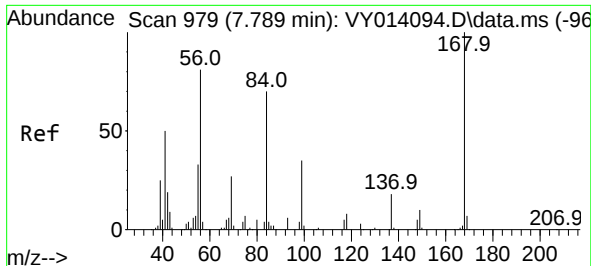
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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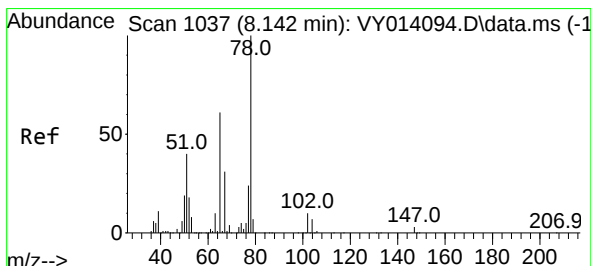
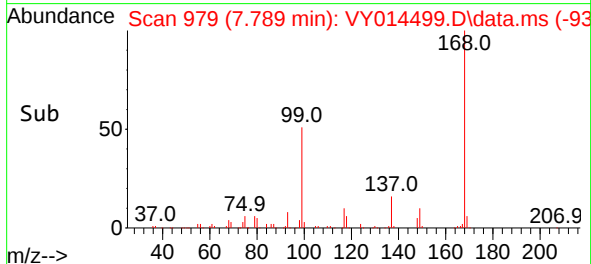
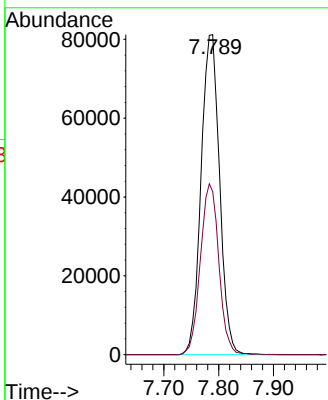
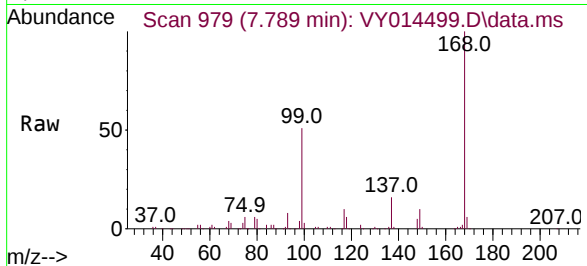




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014499.D
Acq: 29 Jun 2023 16:26

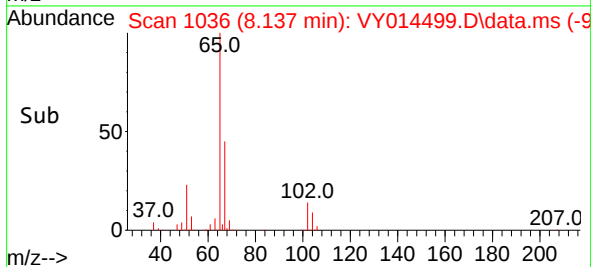
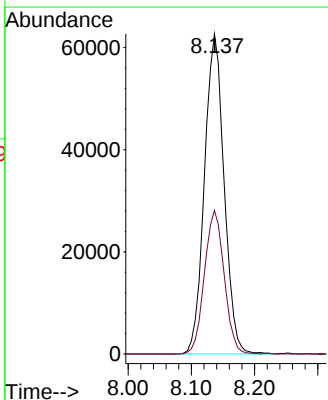
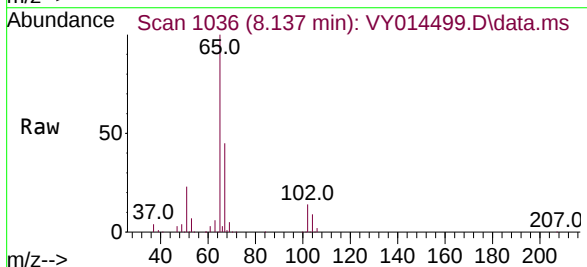
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-TOPSOIL-010

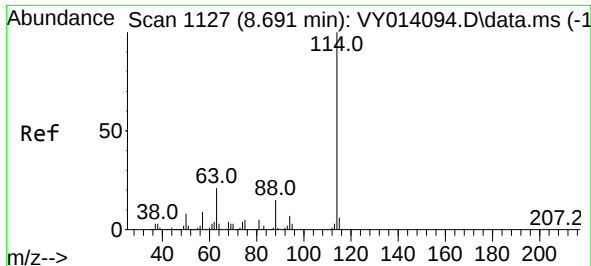
Tgt Ion:168 Resp: 189820
Ion Ratio Lower Upper
168 100
99 51.0 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 57.402 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY014499.D
Acq: 29 Jun 2023 16:26

Tgt Ion: 65 Resp: 135283
Ion Ratio Lower Upper
65 100
67 45.0 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: VY014499.D

Acq: 29 Jun 2023 16:26

Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-TOPSOIL-010

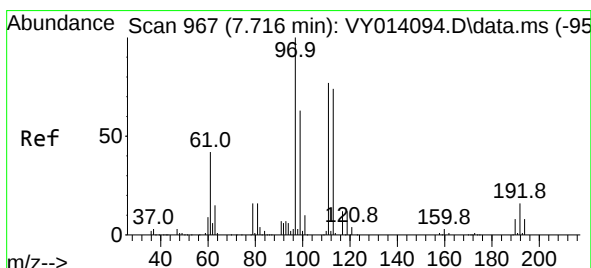
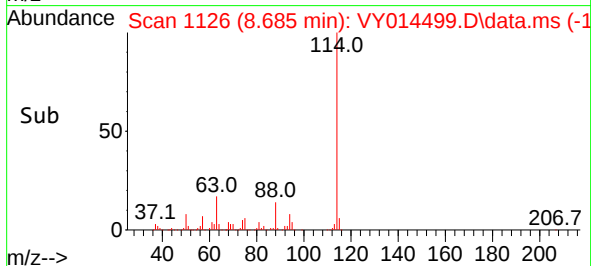
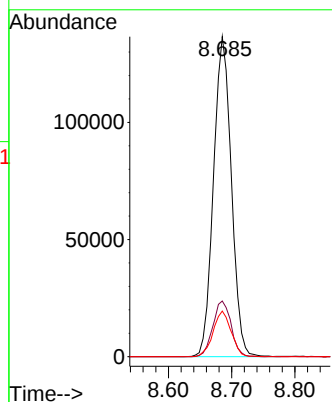
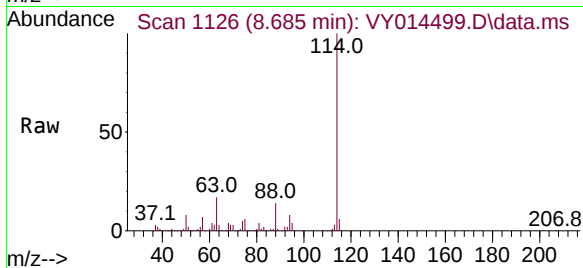
Tgt Ion:114 Resp: 267493

Ion Ratio Lower Upper

114 100

63 17.4 0.0 42.4

88 14.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.305 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014499.D

Acq: 29 Jun 2023 16:26

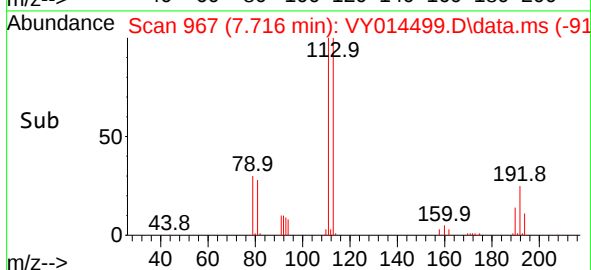
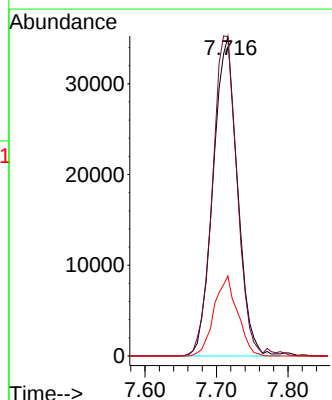
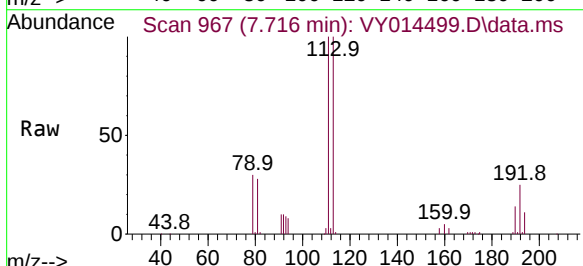
Tgt Ion:113 Resp: 83135

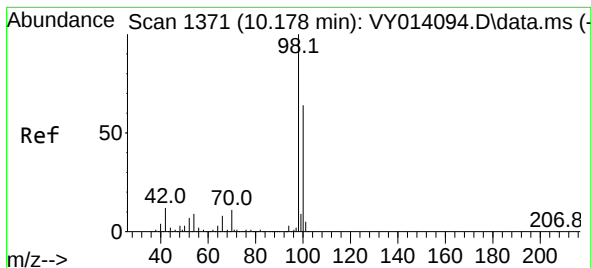
Ion Ratio Lower Upper

113 100

111 101.0 81.3 121.9

192 24.1 16.9 25.3





#50

Toluene-d8

Concen: 47.832 ug/l

RT: 10.173 min Scan# 1

Delta R.T. -0.005 min

Lab File: VY014499.D

Acq: 29 Jun 2023 16:26

Instrument :

MSVOA_Y

ClientSampleId :

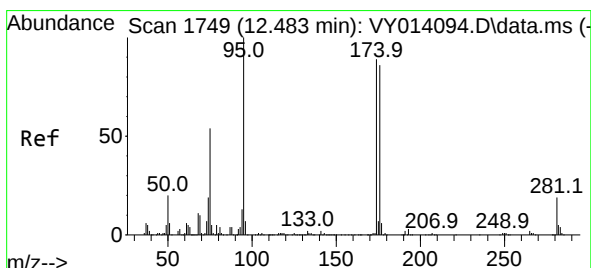
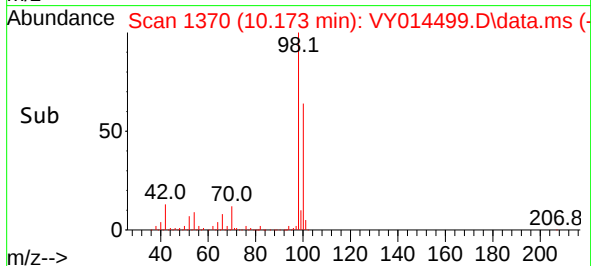
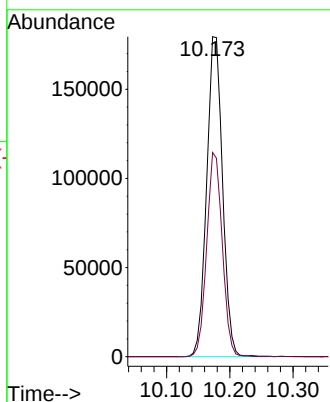
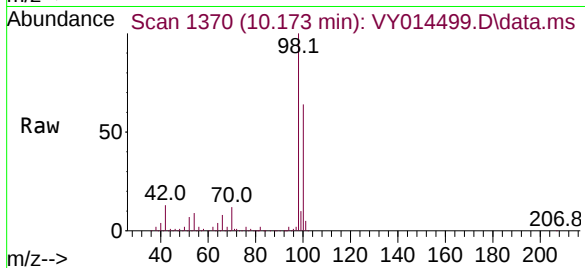
CMC-EME-TOPSOIL-010

Tgt Ion: 98 Resp: 314230

Ion Ratio Lower Upper

98 100

100 62.4 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 40.794 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY014499.D

Acq: 29 Jun 2023 16:26

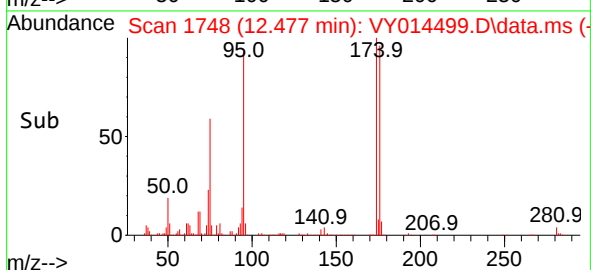
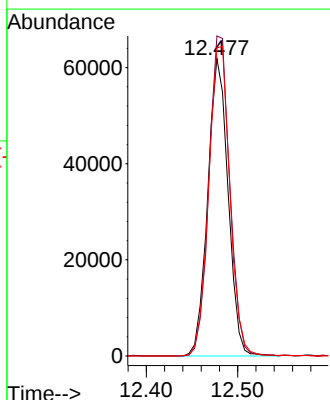
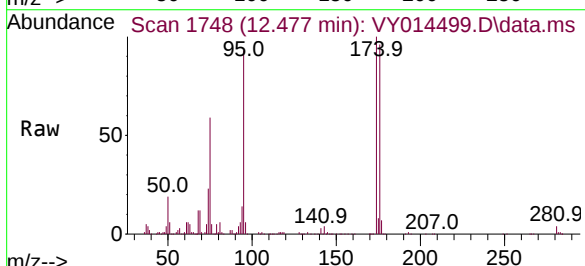
Tgt Ion: 95 Resp: 95675

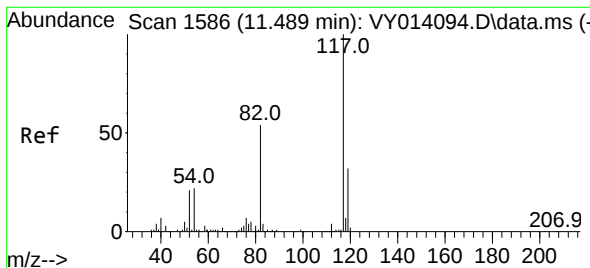
Ion Ratio Lower Upper

95 100

174 110.1 0.0 178.2

176 108.2 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: VY014499.D

Acq: 29 Jun 2023 16:26

Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-TOPSOIL-010

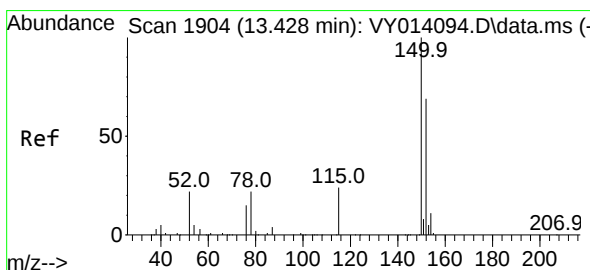
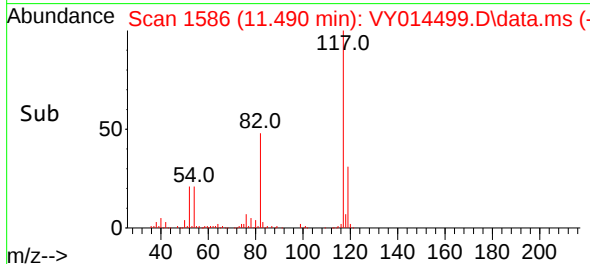
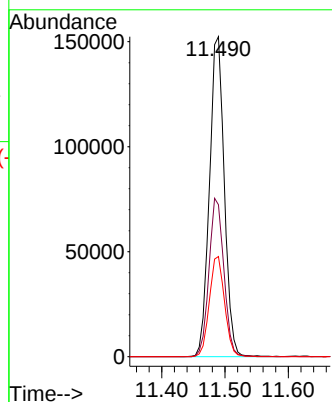
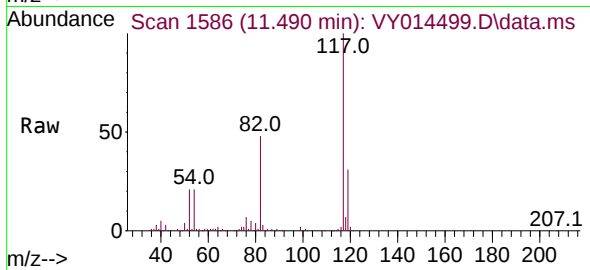
Tgt Ion:117 Resp: 249187

Ion Ratio Lower Upper

117 100

82 47.5 43.4 65.0

119 31.3 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: VY014499.D

Acq: 29 Jun 2023 16:26

Tgt Ion:152 Resp: 116118

Ion Ratio Lower Upper

152 100

115 56.6 28.8 86.5

150 156.5 0.0 348.8

