

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062923\
 Data File : VY014507.D
 Acq On : 29 Jun 2023 19:35
 Operator : KP/MD
 Sample : 03473-13
 Misc : 5.59g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-TOPSOIL-009

Quant Time: Jun 30 04:12:59 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	192760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	268536	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	250895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	111752	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	134470	56.186	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.380%
35) Dibromofluoromethane	7.715	113	82010	49.431	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.860%
50) Toluene-d8	10.178	98	316513	47.993	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.980%
62) 4-Bromofluorobenzene	12.477	95	93951	39.904	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.800%

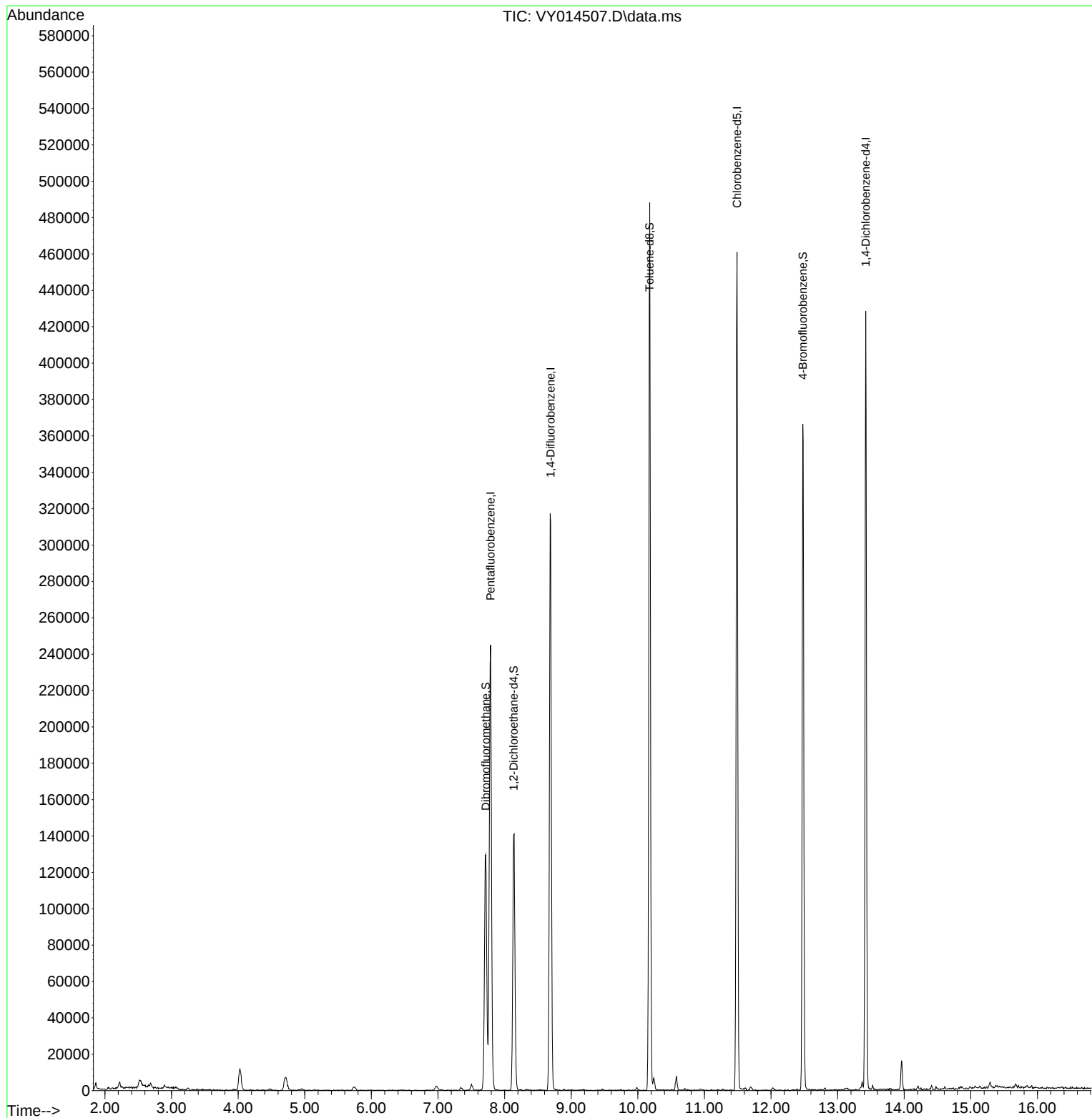
Target Compounds	Qvalue

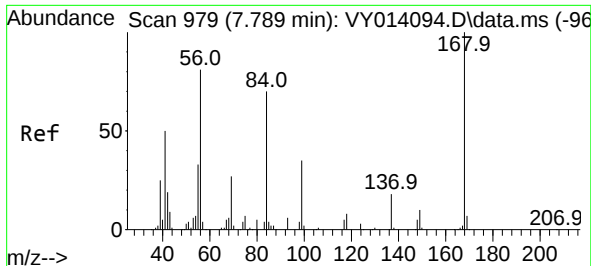
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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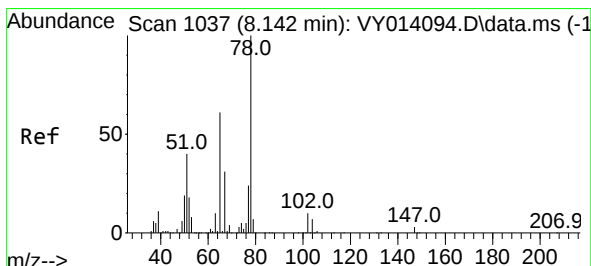
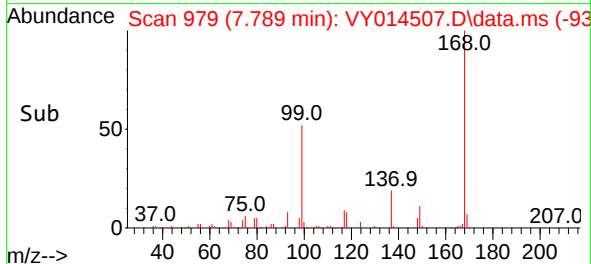
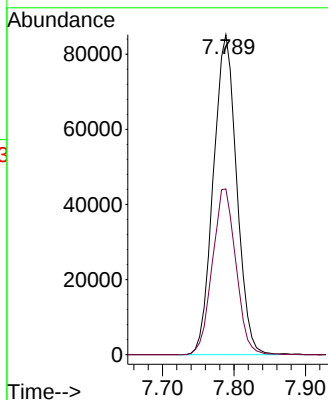
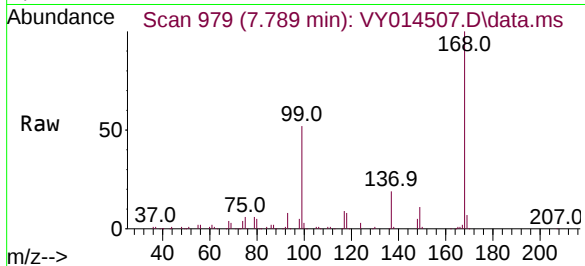




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014507.D
Acq: 29 Jun 2023 19:35

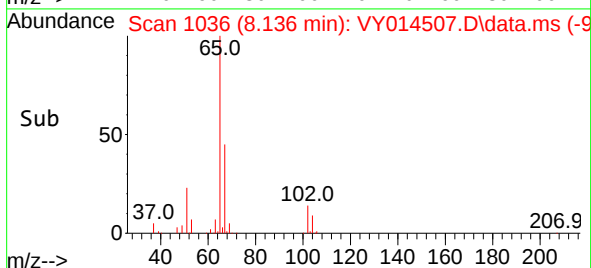
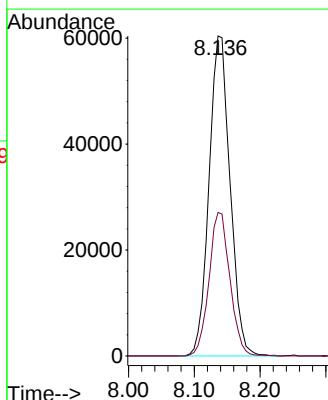
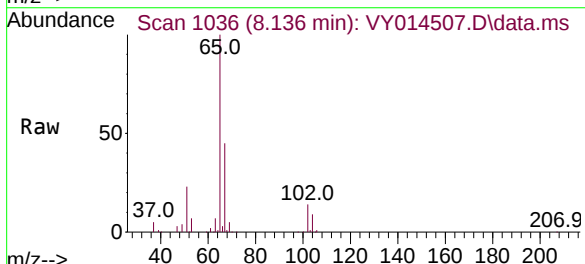
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-TOPSOIL-009

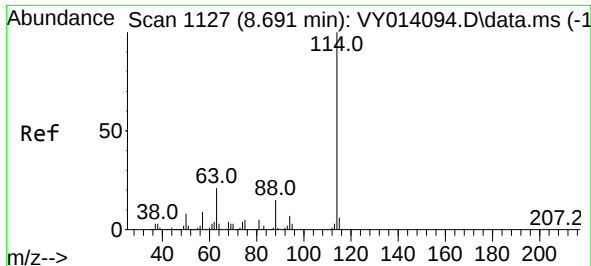
Tgt Ion:168 Resp: 192760
Ion Ratio Lower Upper
168 100
99 51.8 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 56.186 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014507.D
Acq: 29 Jun 2023 19:35

Tgt Ion: 65 Resp: 134470
Ion Ratio Lower Upper
65 100
67 44.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY014507.D

Acq: 29 Jun 2023 19:35

Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-TOPSOIL-009

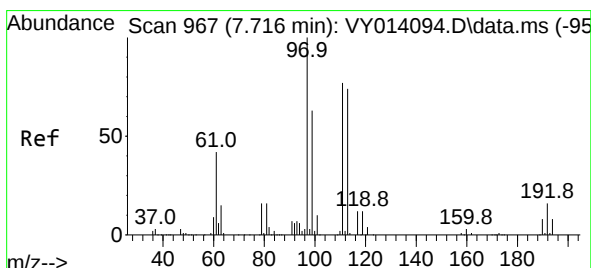
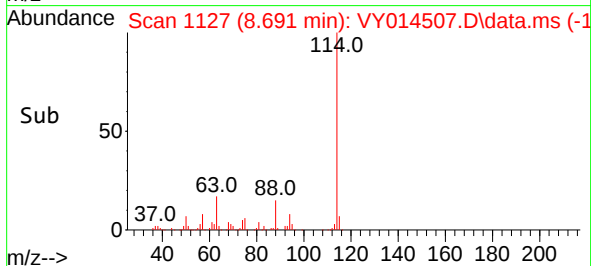
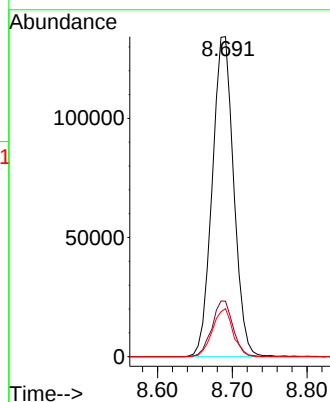
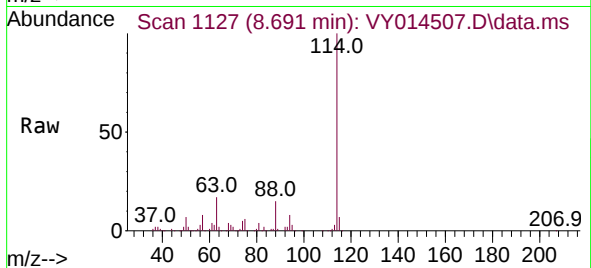
Tgt Ion:114 Resp: 268536

Ion Ratio Lower Upper

114 100

63 17.3 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.431 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.001 min

Lab File: VY014507.D

Acq: 29 Jun 2023 19:35

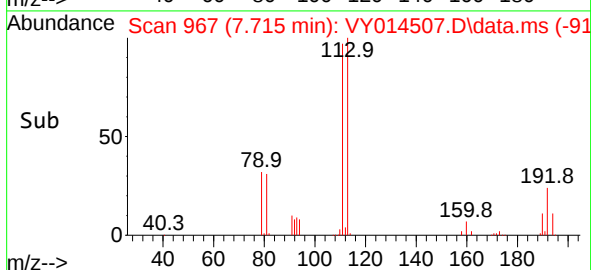
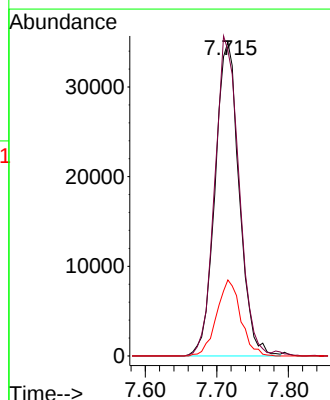
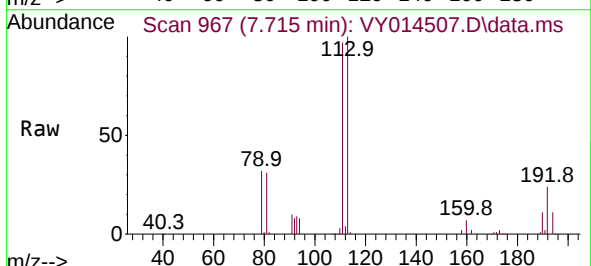
Tgt Ion:113 Resp: 82010

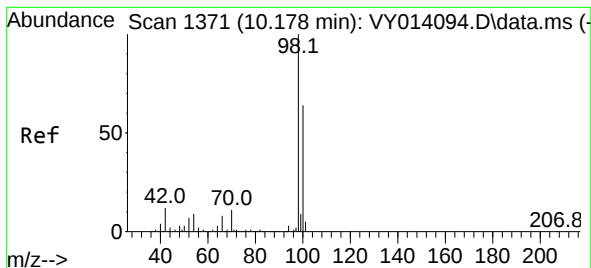
Ion Ratio Lower Upper

113 100

111 102.1 81.3 121.9

192 24.1 16.9 25.3





#50

Toluene-d8

Concen: 47.993 ug/l

RT: 10.178 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY014507.D

Acq: 29 Jun 2023 19:35

Instrument :

MSVOA_Y

ClientSampleId :

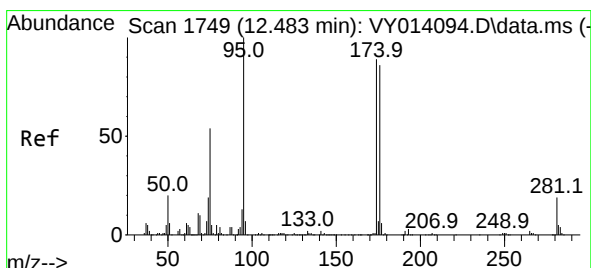
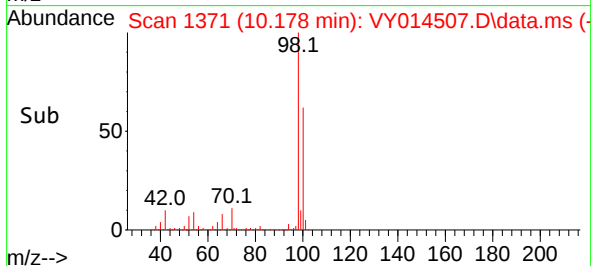
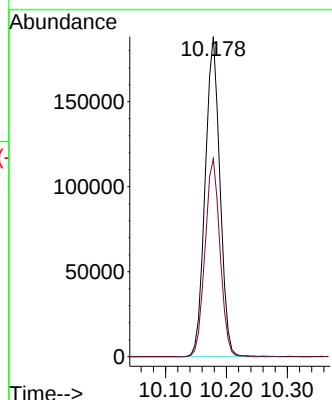
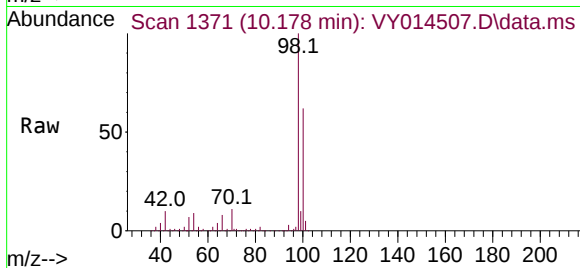
CMC-EME-TOPSOIL-009

Tgt Ion: 98 Resp: 316513

Ion Ratio Lower Upper

98 100

100 62.8 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 39.904 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY014507.D

Acq: 29 Jun 2023 19:35

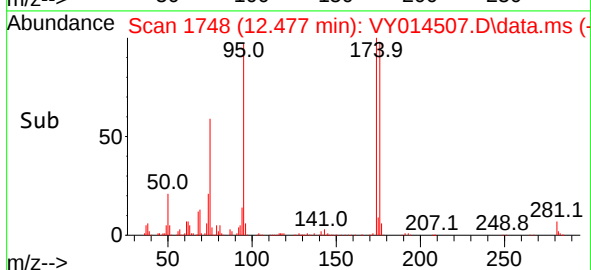
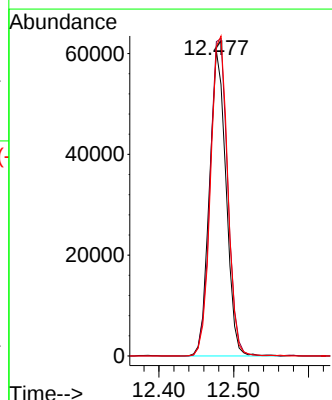
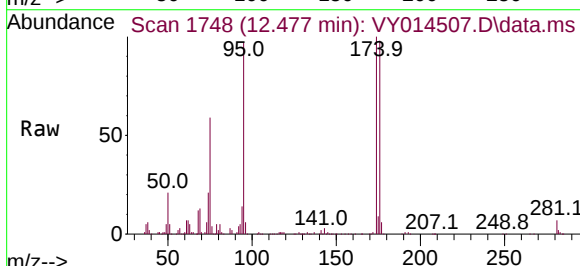
Tgt Ion: 95 Resp: 93951

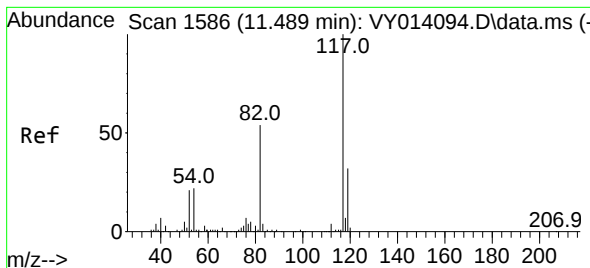
Ion Ratio Lower Upper

95 100

174 109.5 0.0 178.2

176 107.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014507.D

Acq: 29 Jun 2023 19:35

Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-TOPSOIL-009

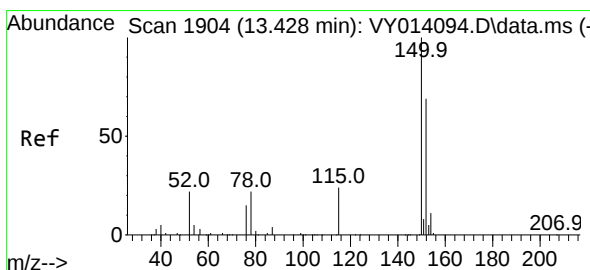
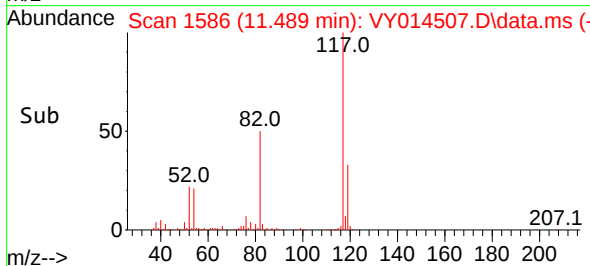
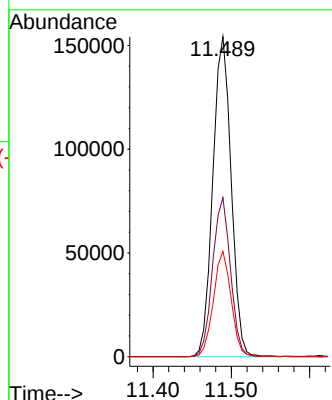
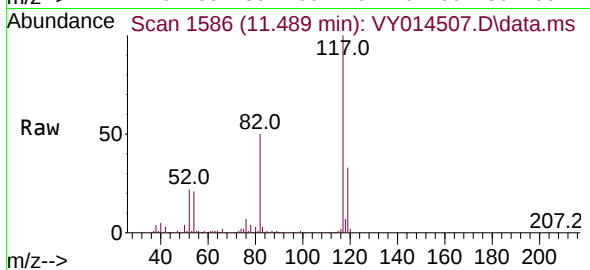
Tgt Ion:117 Resp: 250895

Ion Ratio Lower Upper

117 100

82 49.7 43.4 65.0

119 32.9 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: VY014507.D

Acq: 29 Jun 2023 19:35

Tgt Ion:152 Resp: 111752

Ion Ratio Lower Upper

152 100

115 53.8 28.8 86.5

150 158.1 0.0 348.8

