

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062923\
 Data File : VY014498.D
 Acq On : 29 Jun 2023 16:03
 Operator : KP/MD
 Sample : 03473-04
 Misc : 11.34g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-TOPSOIL-008

Quant Time: Jun 30 04:10:07 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	7.783	168	195907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	270975	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	250602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	122328	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	138660	57.006	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.020%
35) Dibromofluoromethane	7.710	113	86904	51.910	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.820%
50) Toluene-d8	10.179	98	315814	47.456	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.920%
62) 4-Bromofluorobenzene	12.477	95	100070	42.120	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.240%

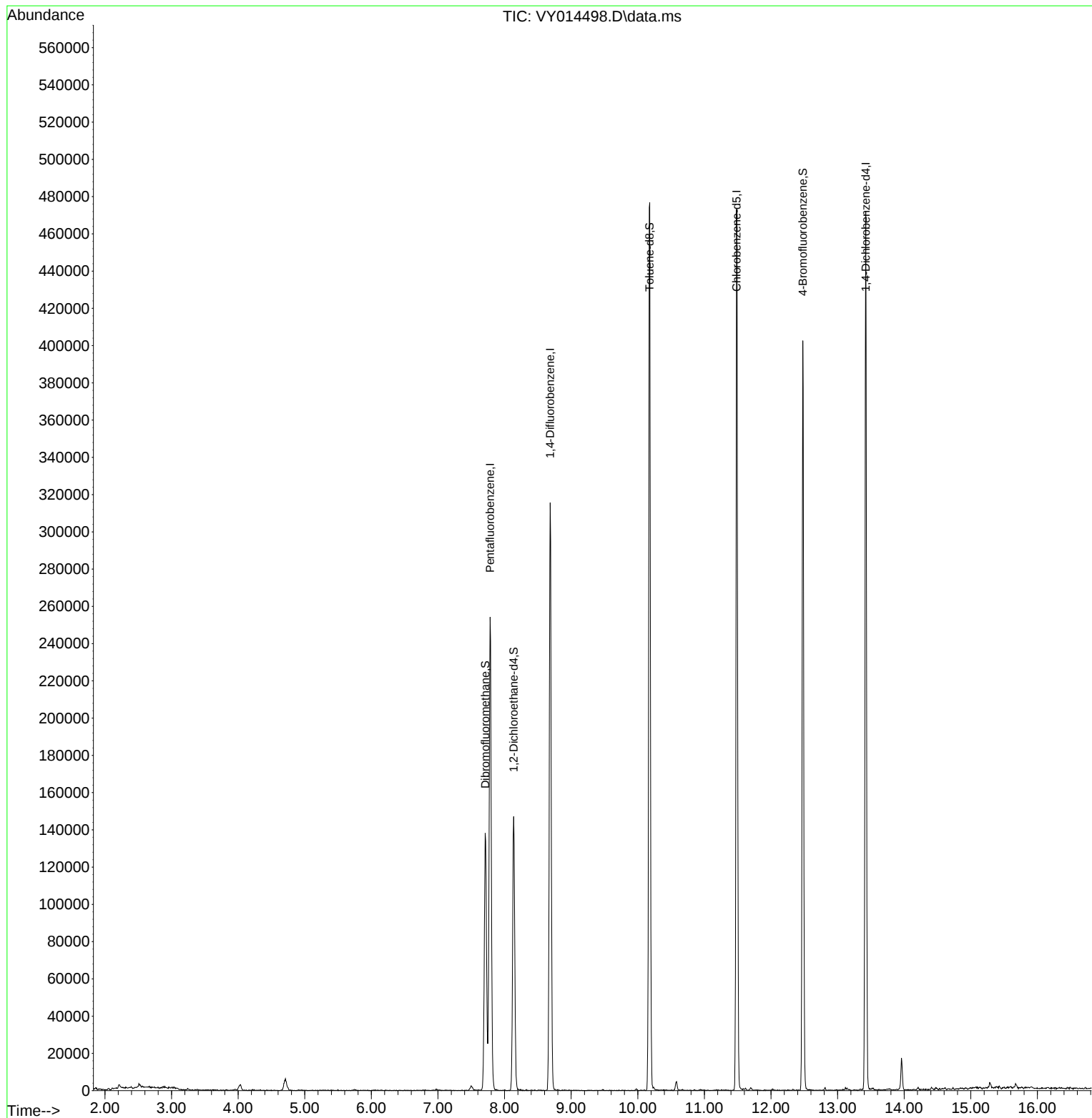
Target Compounds	Qvalue

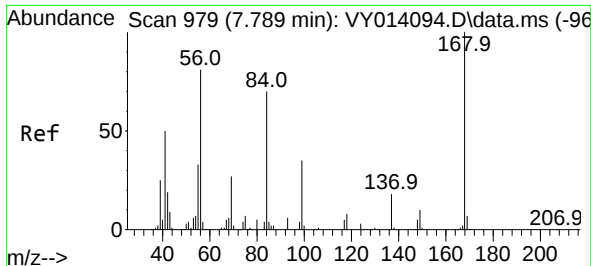
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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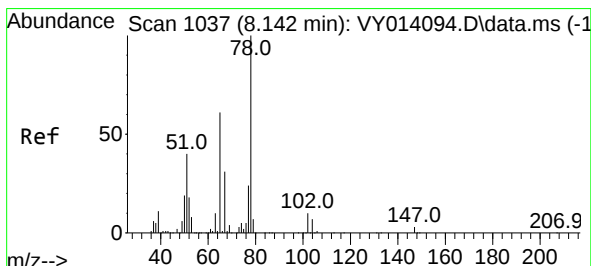
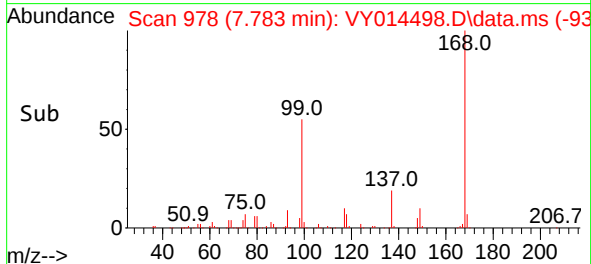
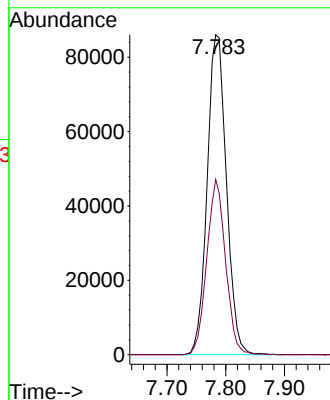
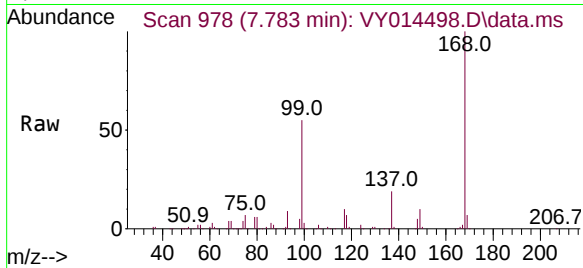




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014498.D
Acq: 29 Jun 2023 16:03

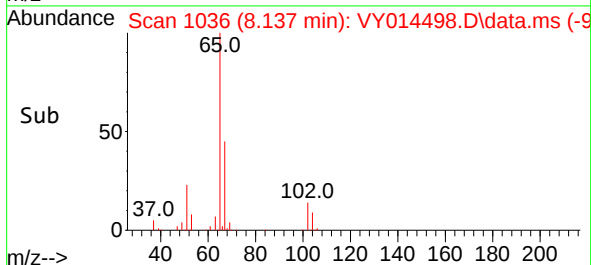
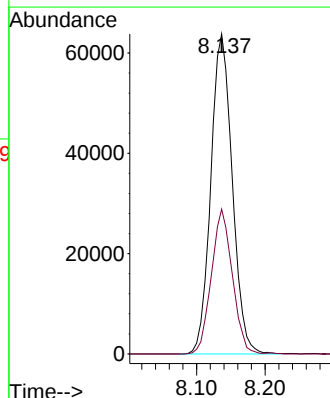
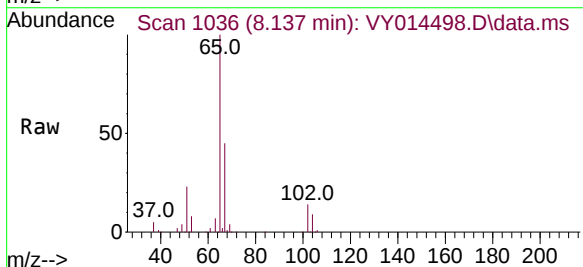
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-TOPSOIL-008

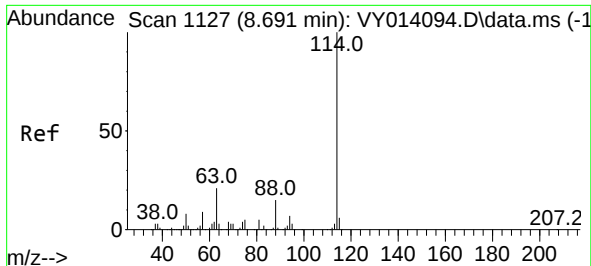
Tgt Ion:168 Resp: 195907
Ion Ratio Lower Upper
168 100
99 54.8 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 57.006 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY014498.D
Acq: 29 Jun 2023 16:03

Tgt Ion: 65 Resp: 138660
Ion Ratio Lower Upper
65 100
67 44.1 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: VY014498.D

Acq: 29 Jun 2023 16:03

Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-TOPSOIL-008

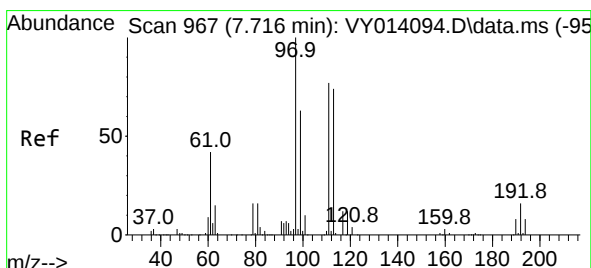
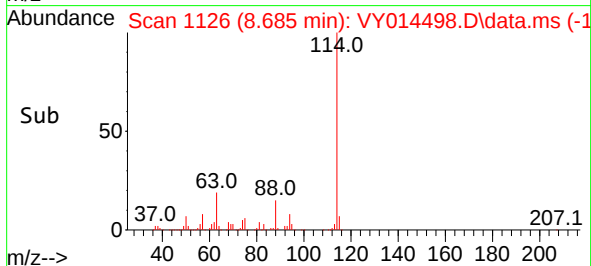
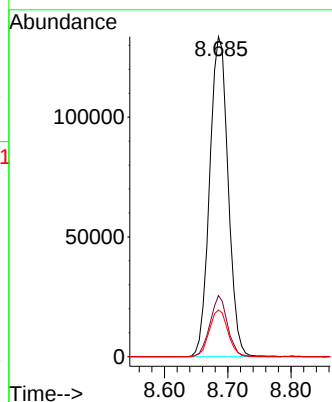
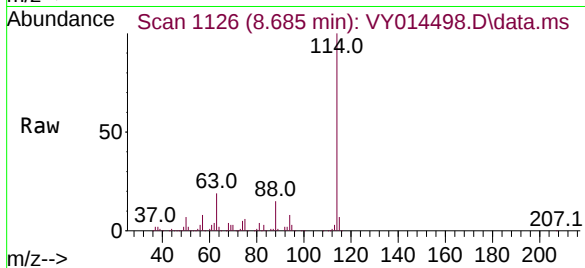
Tgt Ion:114 Resp: 270975

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 14.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.910 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014498.D

Acq: 29 Jun 2023 16:03

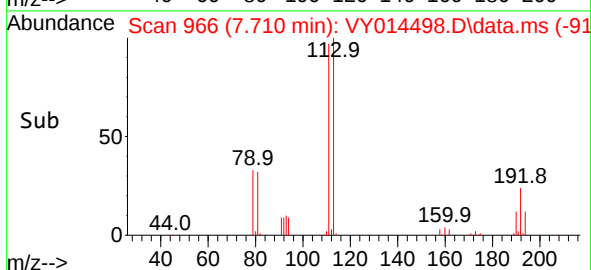
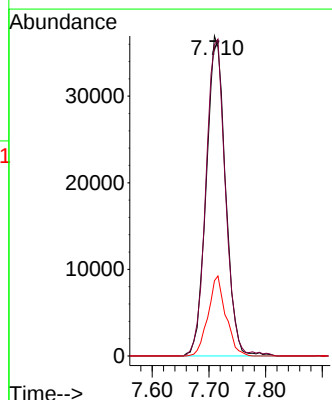
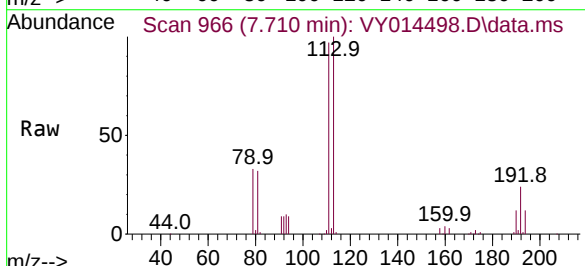
Tgt Ion:113 Resp: 86904

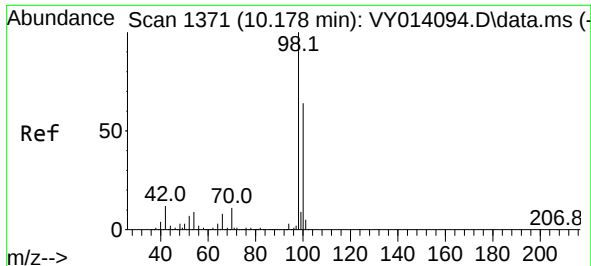
Ion Ratio Lower Upper

113 100

111 99.5 81.3 121.9

192 23.1 16.9 25.3

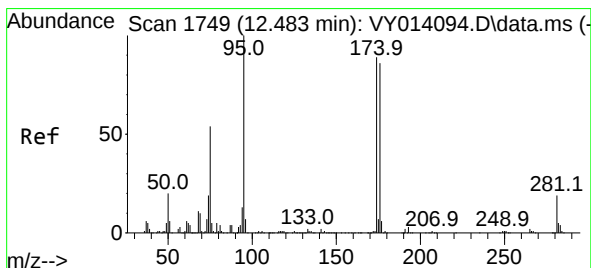
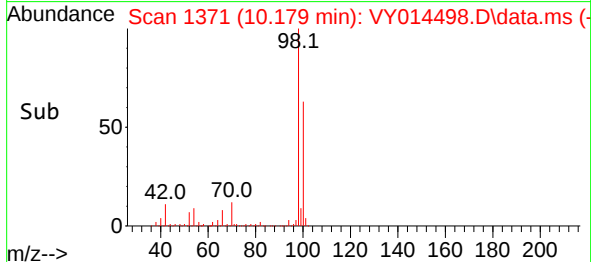
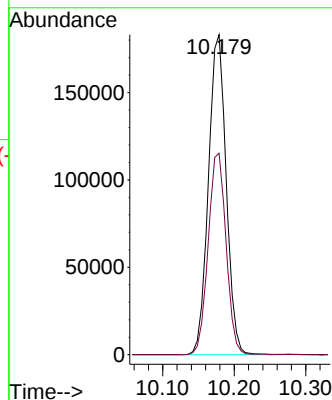
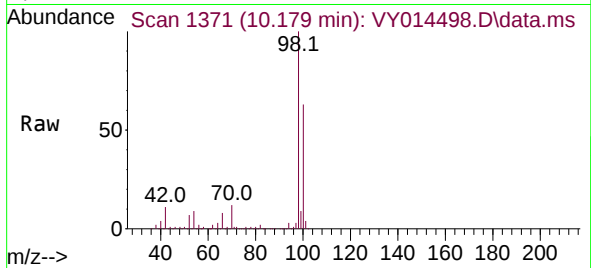




#50
Toluene-d8
Concen: 47.456 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014498.D
Acq: 29 Jun 2023 16:03

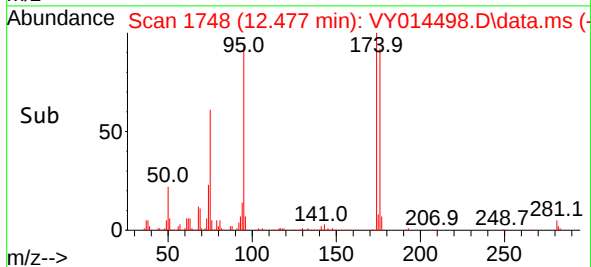
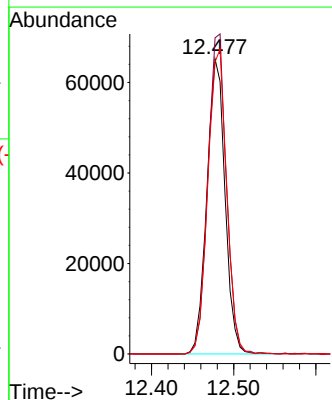
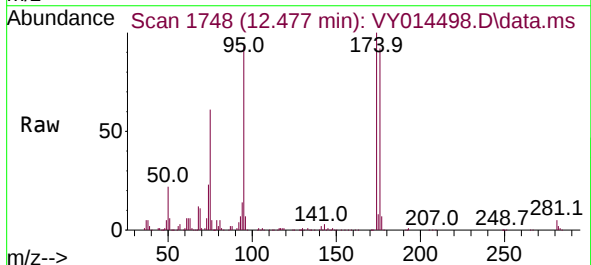
Instrument :
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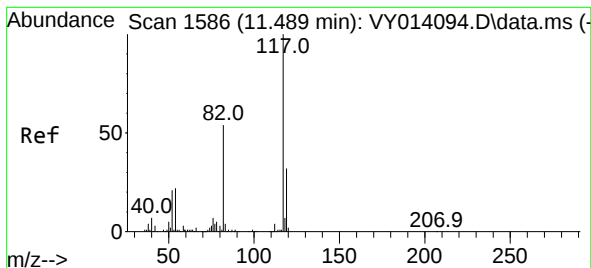
Tgt Ion: 98 Resp: 315814
Ion Ratio Lower Upper
98 100
100 63.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 42.120 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014498.D
Acq: 29 Jun 2023 16:03

Tgt Ion: 95 Resp: 100070
Ion Ratio Lower Upper
95 100
174 110.4 0.0 178.2
176 107.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY014498.D

Acq: 29 Jun 2023 16:03

Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-TOPSOIL-008

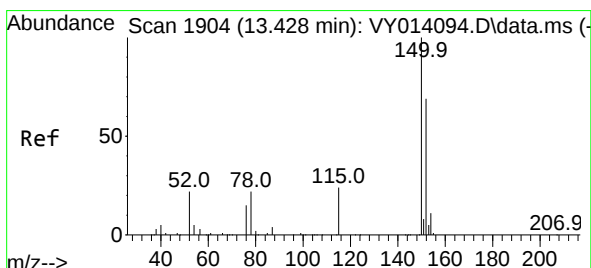
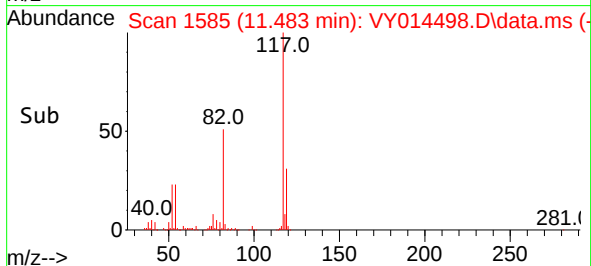
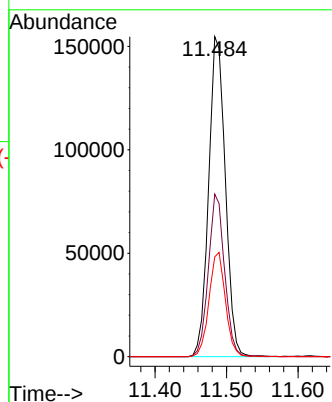
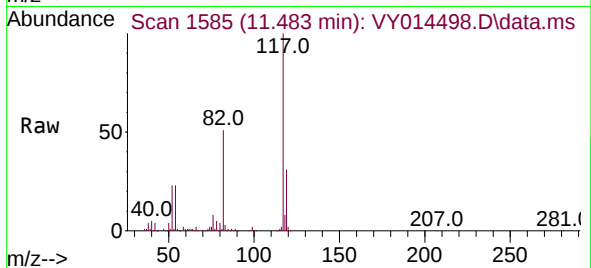
Tgt Ion:117 Resp: 250602

Ion Ratio Lower Upper

117 100

82 50.8 43.4 65.0

119 31.2 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: VY014498.D

Acq: 29 Jun 2023 16:03

Tgt Ion:152 Resp: 122328

Ion Ratio Lower Upper

152 100

115 54.5 28.8 86.5

150 160.8 0.0 348.8

