

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061323\
 Data File : VY014139.D
 Acq On : 13 Jun 2023 15:06
 Operator : KP/MD
 Sample : 03141-02
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-Topsoil-002

Quant Time: Jun 14 01:35:43 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	7.789	168	13440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	19977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	17167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	6955	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	8002	42.756	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.520%
35) Dibromofluoromethane	7.716	113	6647	46.918	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.840%
50) Toluene-d8	10.179	98	23621	44.597	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.200%
62) 4-Bromofluorobenzene	12.477	95	5647	30.013	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	60.020%

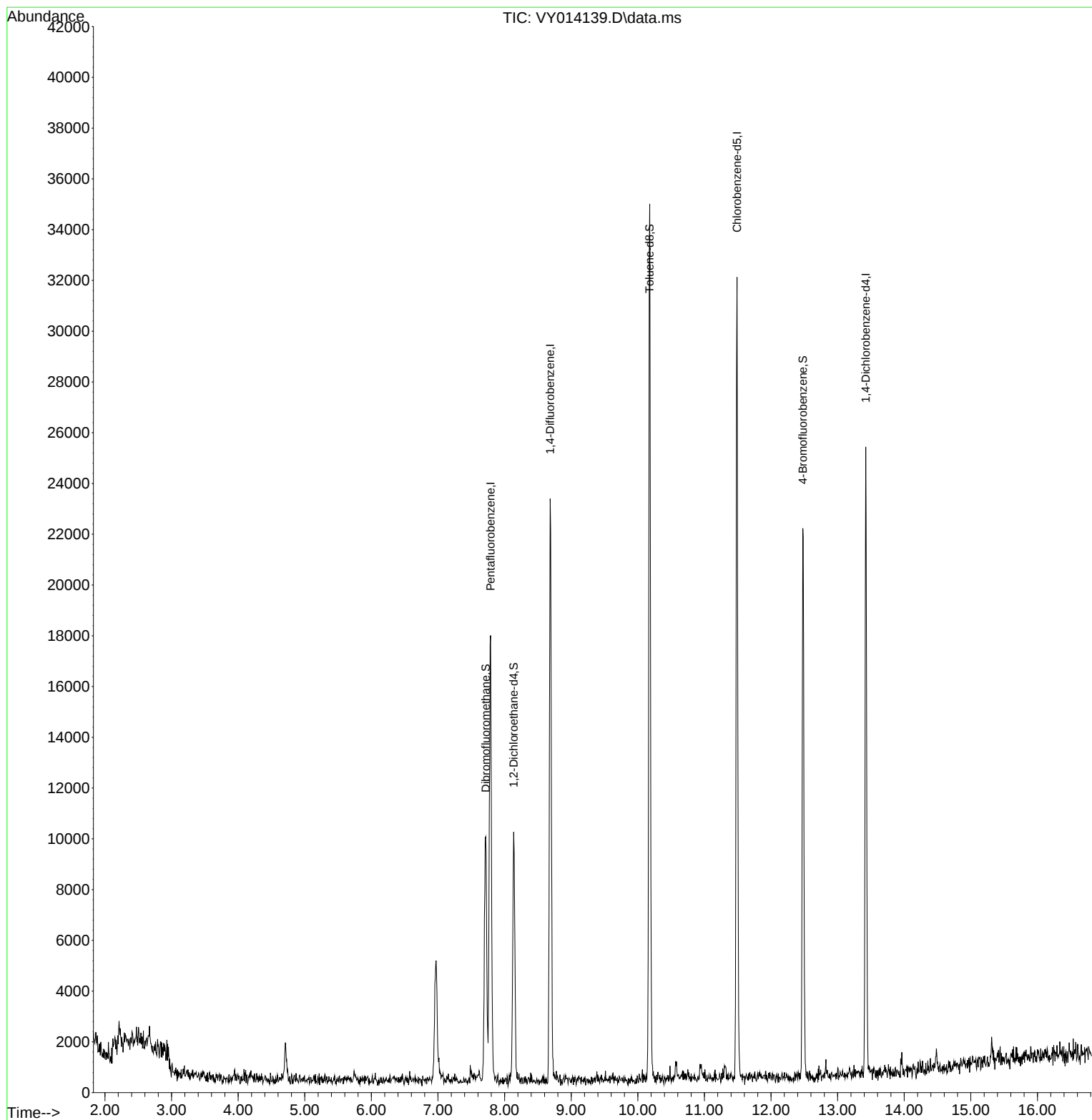
Target Compounds	Qvalue

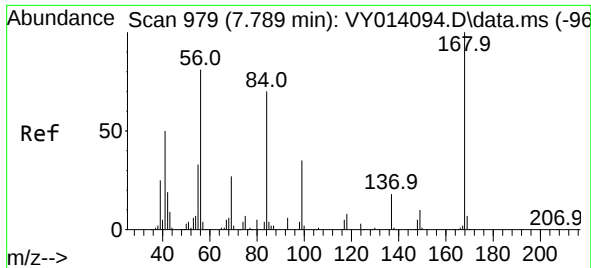
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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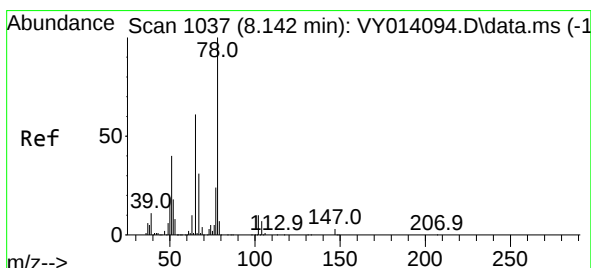
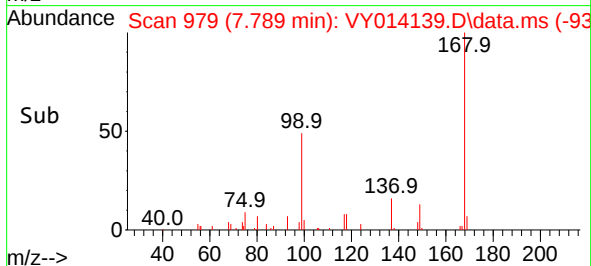
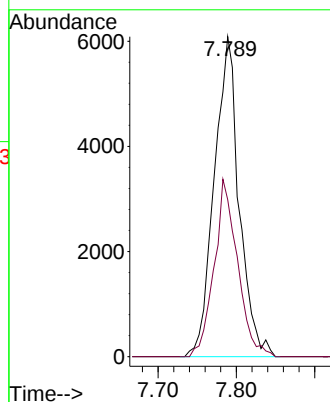
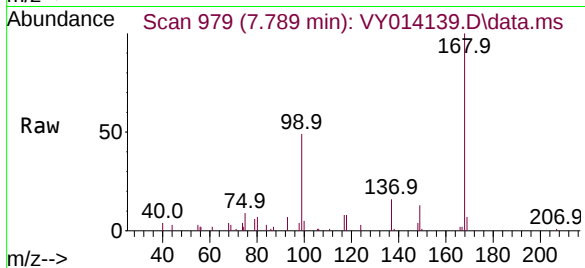




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014139.D
Acq: 13 Jun 2023 15:06

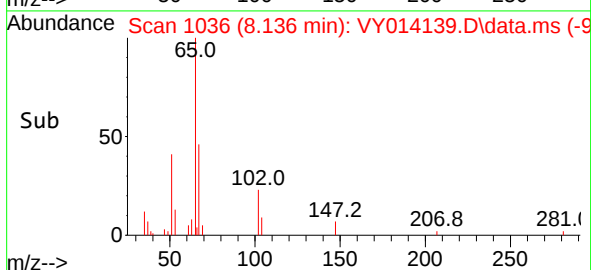
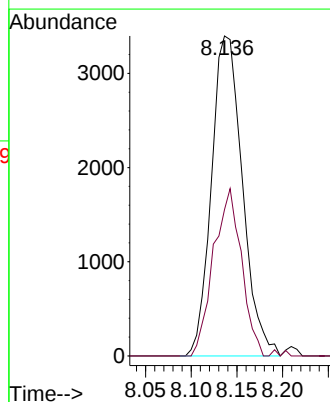
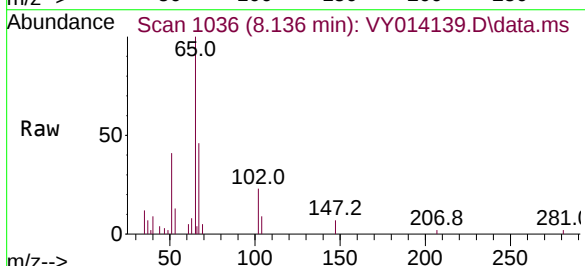
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-Topsoil-002

Tgt Ion:168 Resp: 13440
Ion Ratio Lower Upper
168 100
99 49.0 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 42.756 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014139.D
Acq: 13 Jun 2023 15:06

Tgt Ion: 65 Resp: 8002
Ion Ratio Lower Upper
65 100
67 47.2 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: VY014139.D

Acq: 13 Jun 2023 15:06

Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-Topsoil-002

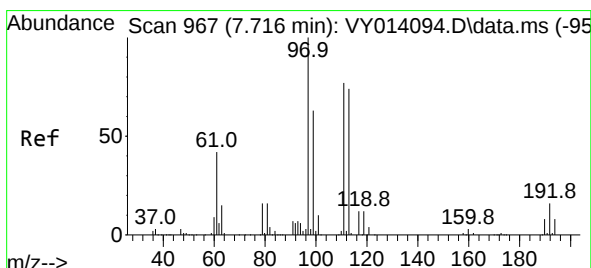
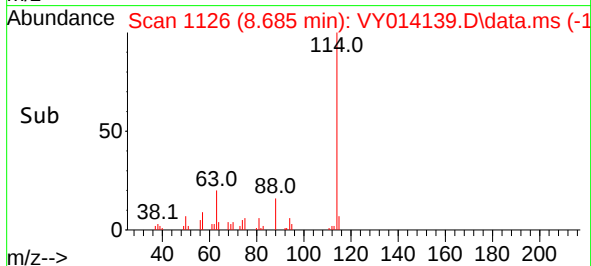
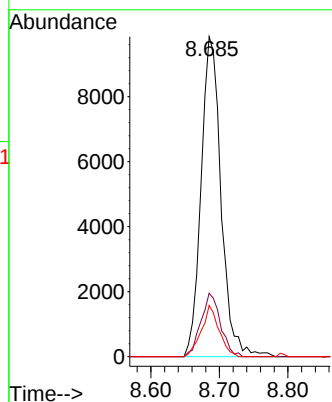
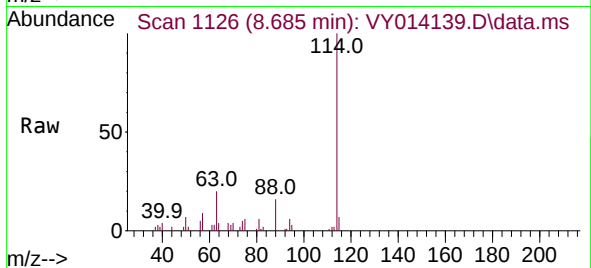
Tgt Ion:114 Resp: 19977

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 16.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.918 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014139.D

Acq: 13 Jun 2023 15:06

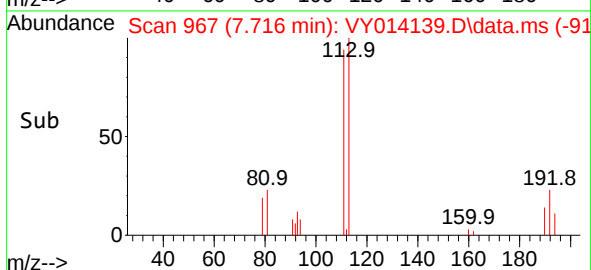
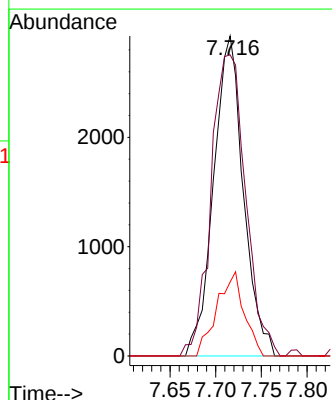
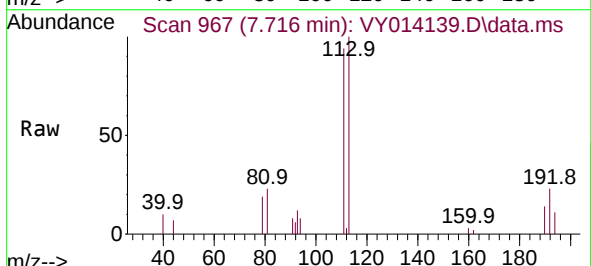
Tgt Ion:113 Resp: 6647

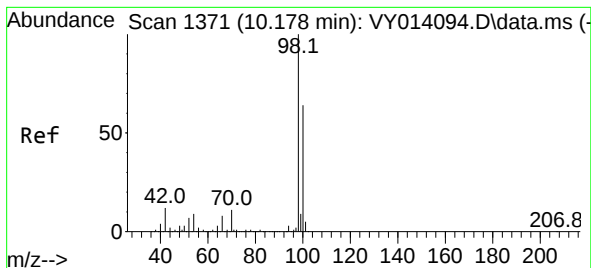
Ion Ratio Lower Upper

113 100

111 108.9 81.3 121.9

192 24.0 16.9 25.3





#50

Toluene-d8

Concen: 44.597 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014139.D

Acq: 13 Jun 2023 15:06

Instrument :

MSVOA_Y

ClientSampleId :

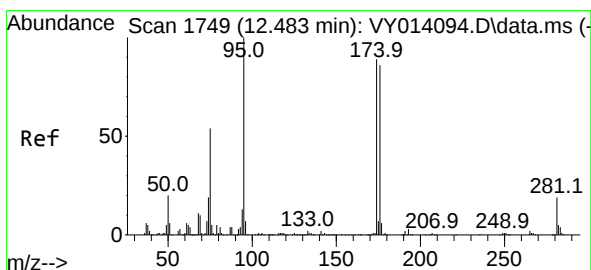
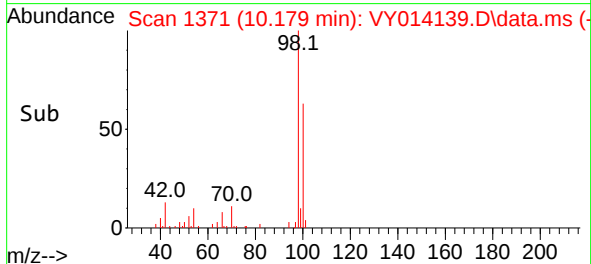
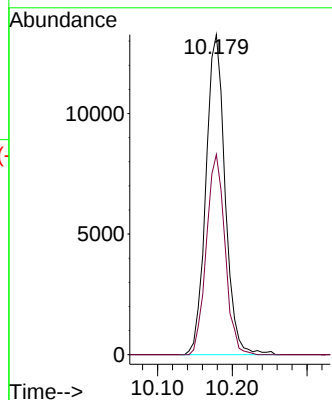
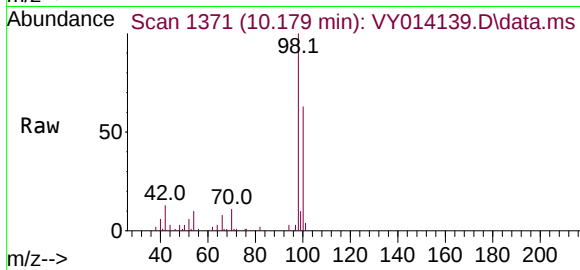
CMC-EME-Topsoil-002

Tgt Ion: 98 Resp: 23621

Ion Ratio Lower Upper

98 100

100 60.8 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 30.013 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY014139.D

Acq: 13 Jun 2023 15:06

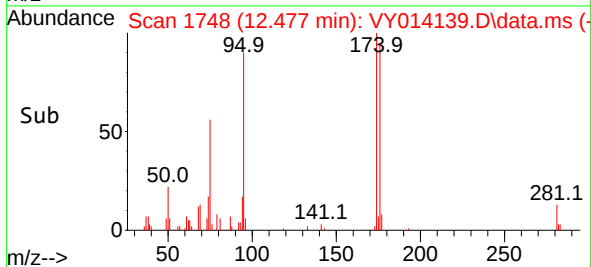
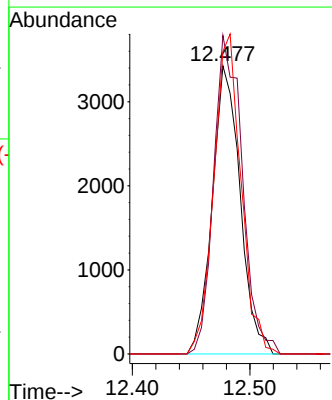
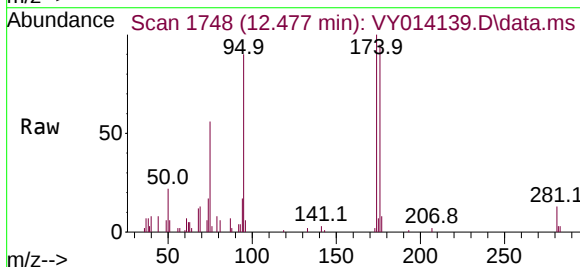
Tgt Ion: 95 Resp: 5647

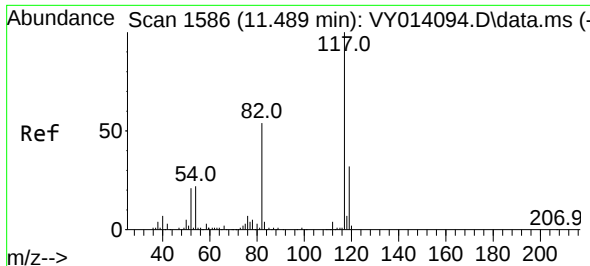
Ion Ratio Lower Upper

95 100

174 113.3 0.0 178.2

176 108.3 0.0 173.8

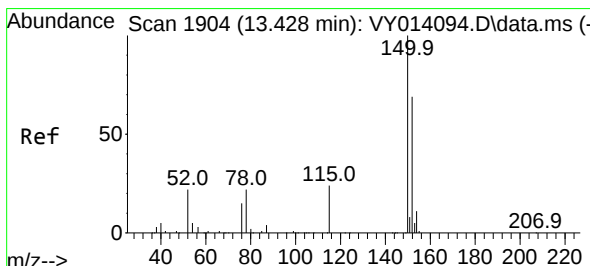
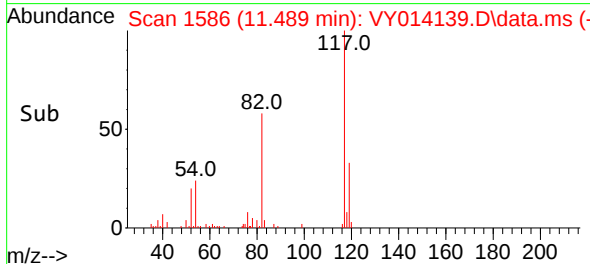
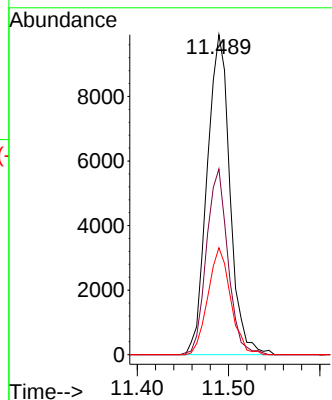
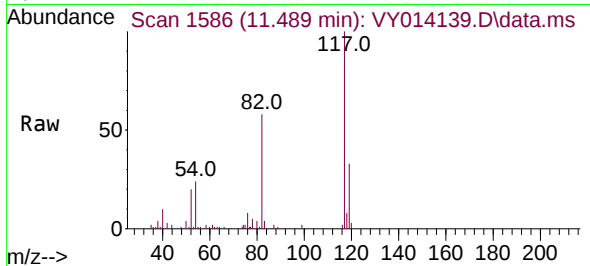




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY014139.D
Acq: 13 Jun 2023 15:06

Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-Topsoil-002

Tgt Ion:	117	Resp:	17167
Ion	Ratio	Lower	Upper
117	100		
82	58.0	43.4	65.0
119	33.4	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY014139.D
Acq: 13 Jun 2023 15:06

Tgt Ion:	152	Resp:	6955
Ion	Ratio	Lower	Upper
152	100		
115	53.7	28.8	86.5
150	151.5	0.0	348.8

