

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)

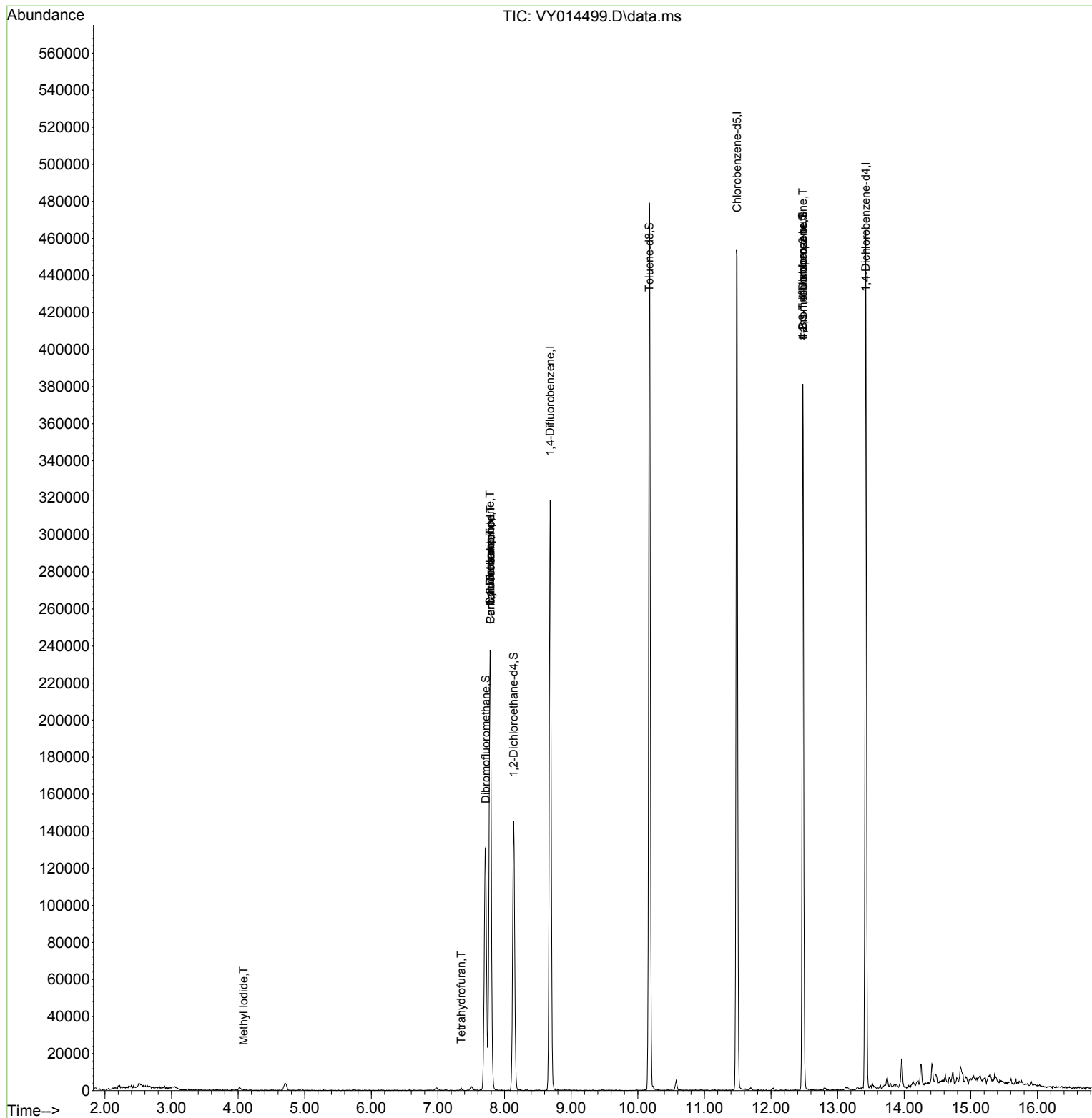
Internal Standards						
1) Pentafluorobenzene	7.789	168	189820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	267493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	249187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	116118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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	
10) Methyl Iodide	4.082	142	96	2.914	ug/l #	38
11) Tert butyl alcohol	4.948	59	357	Below Cal	#	64
20) Methylene Chloride	4.704	84	3138	Below Cal	#	77
29) Tetrahydrofuran	7.350	42	670	1.216	ug/l #	72
31) Cyclohexane	7.783	56	3892	1.337	ug/l #	21
36) 1,1-Dichloropropene	7.783	75	12135	4.765	ug/l #	47
38) Carbon Tetrachloride	7.789	117	19096	5.959	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	60569	41.582	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	60569	94.669	ug/l #	11

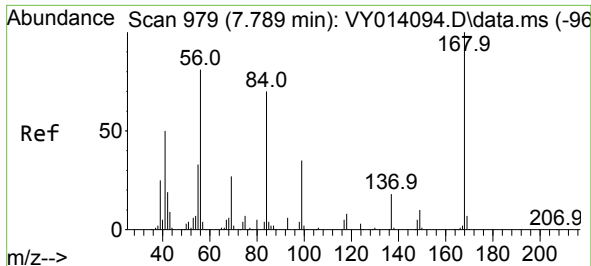
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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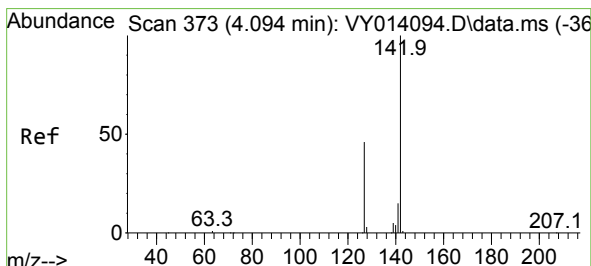
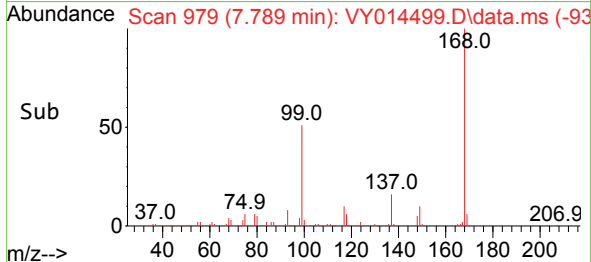
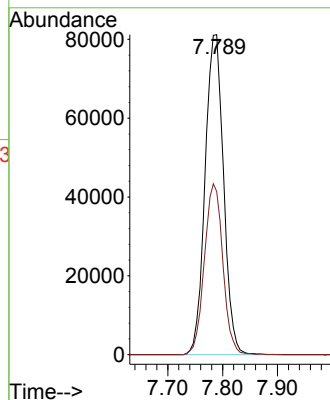
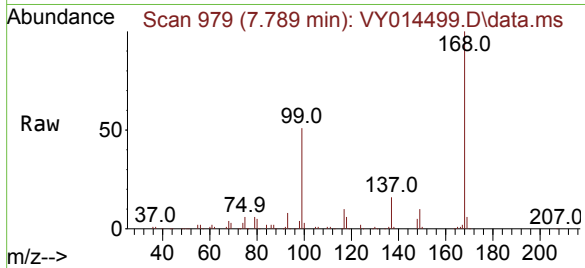




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014499.D
Acq: 29 Jun 2023 16:26

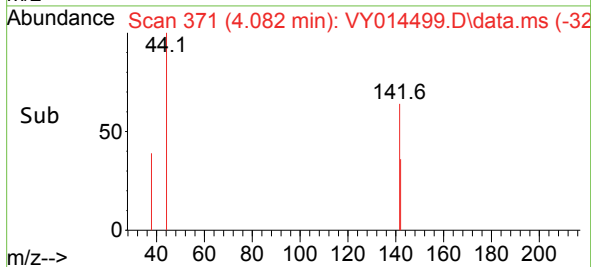
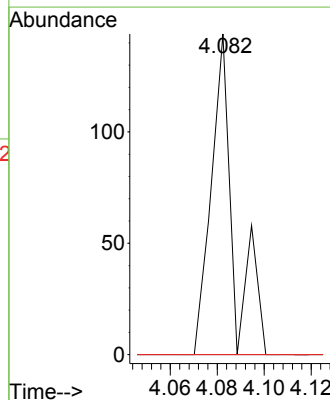
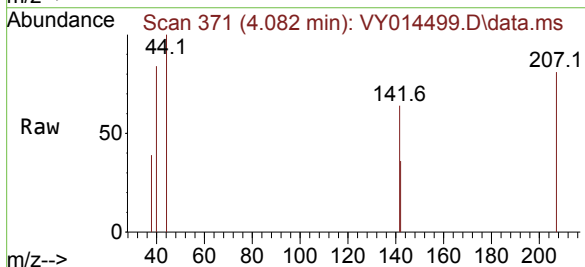
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-TOPSOIL-010

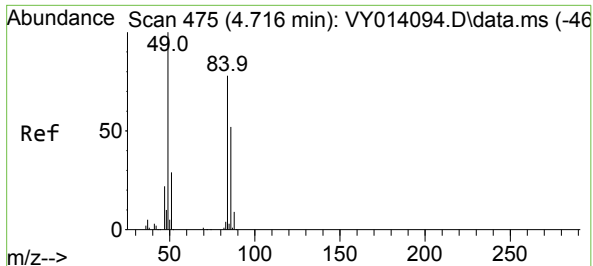
Tgt Ion:168 Resp: 189820
Ion Ratio Lower Upper
168 100
99 51.0 43.4 65.0



#10
Methyl Iodide
Concen: 2.914 ug/l
RT: 4.082 min Scan# 371
Delta R.T. -0.012 min
Lab File: VY014499.D
Acq: 29 Jun 2023 16:26

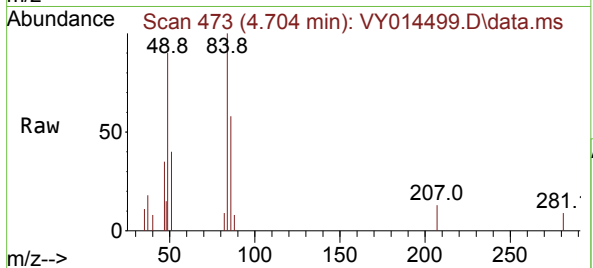
Tgt Ion:142 Resp: 96
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



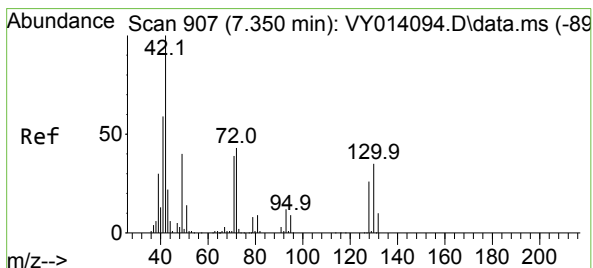
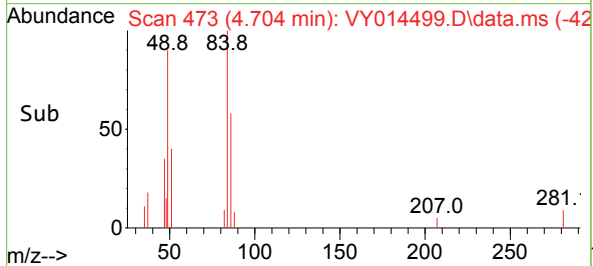
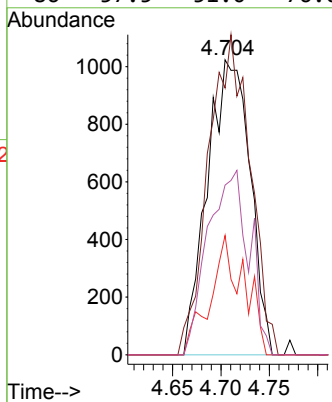


#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY014499.D
Acq: 29 Jun 2023 16:26

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

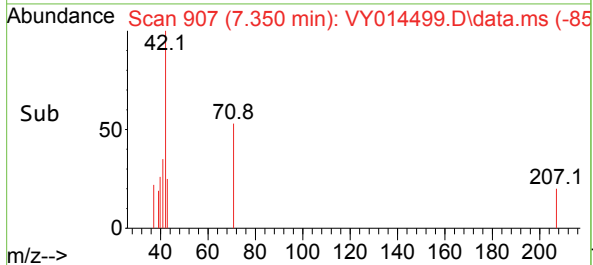
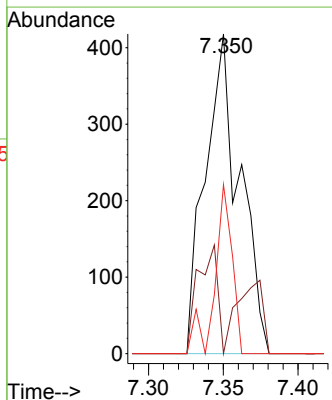
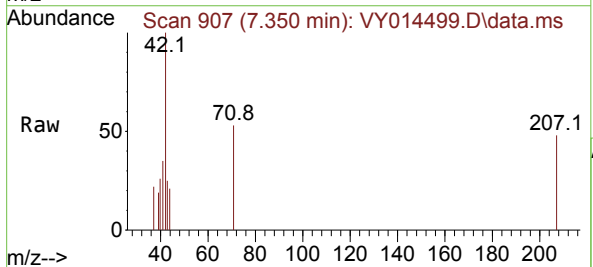


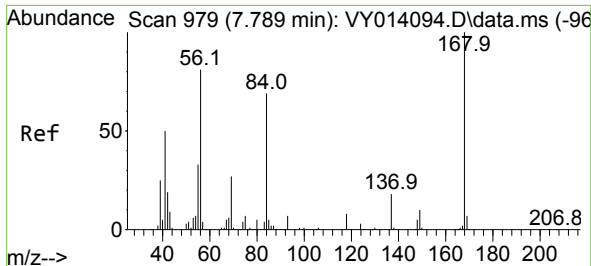
Tgt Ion: 84 Resp: 3138
Ion Ratio Lower Upper
84 100
49 90.4 106.9 160.3#
51 40.4 33.2 49.8
86 57.5 51.0 76.6



#29
Tetrahydrofuran
Concen: 1.216 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY014499.D
Acq: 29 Jun 2023 16:26

Tgt Ion: 42 Resp: 670
Ion Ratio Lower Upper
42 100
72 19.4 32.8 49.2#
71 26.4 31.0 46.4#

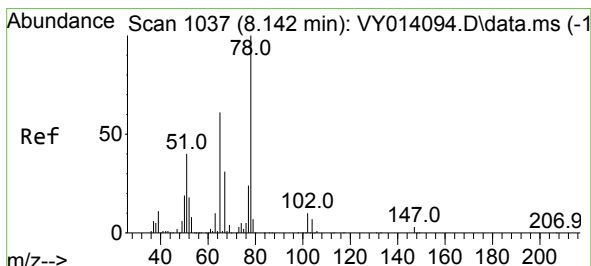
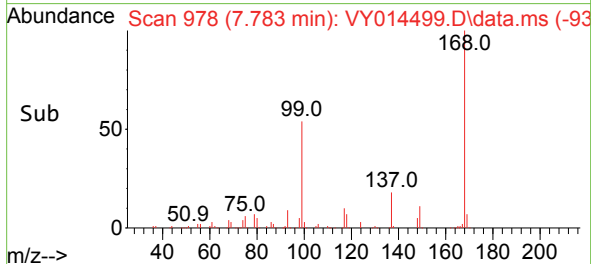
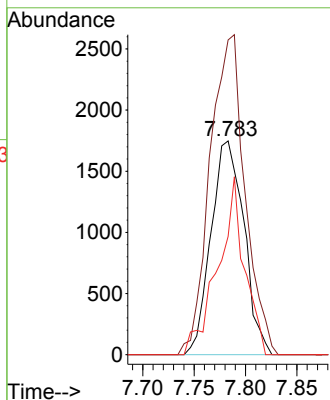
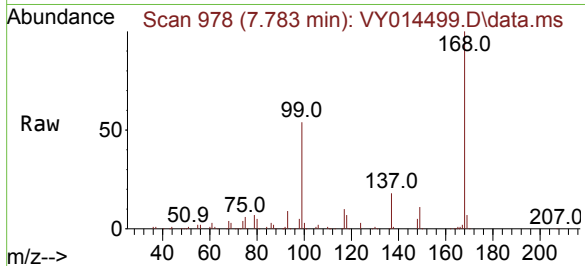




#31
Cyclohexane
Concen: 1.337 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014499.D
Acq: 29 Jun 2023 16:26

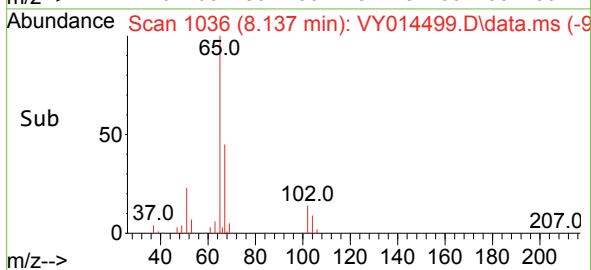
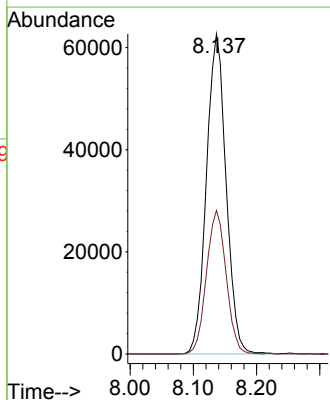
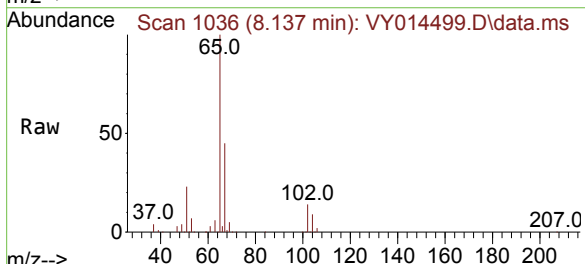
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-TOPSOIL-010

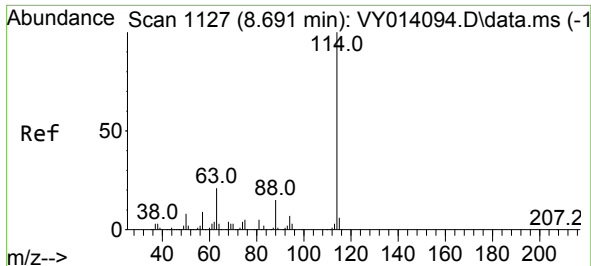
Tgt Ion: 56 Resp: 3892
Ion Ratio Lower Upper
56 100
69 147.3 27.8 41.6#
84 55.3 66.4 99.6#



#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

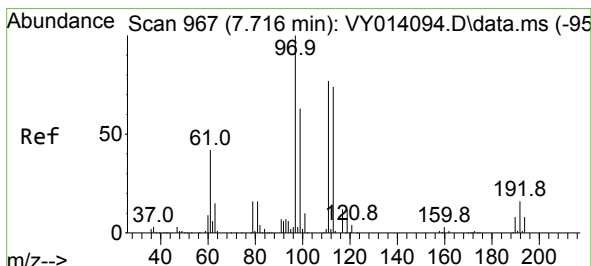
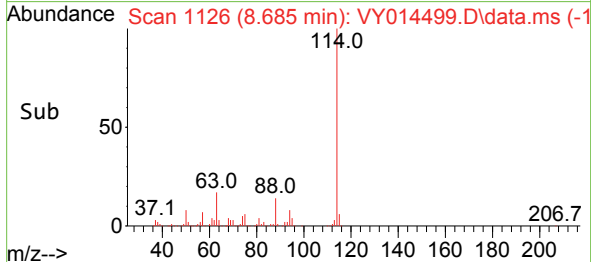
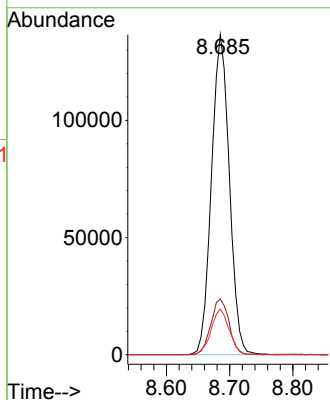
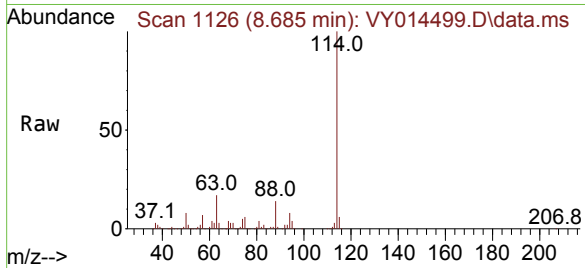




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY014499.D
Acq: 29 Jun 2023 16:26

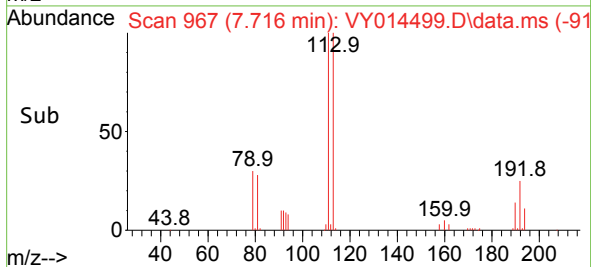
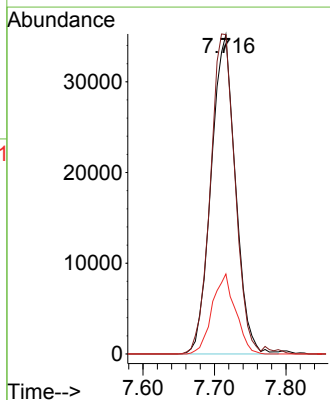
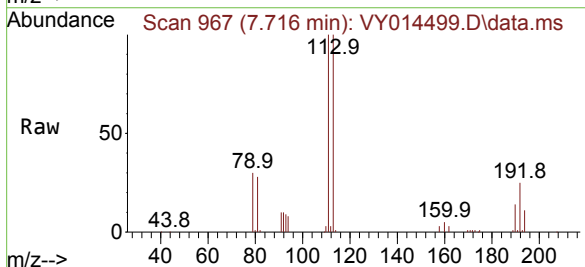
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-TOPSOIL-010

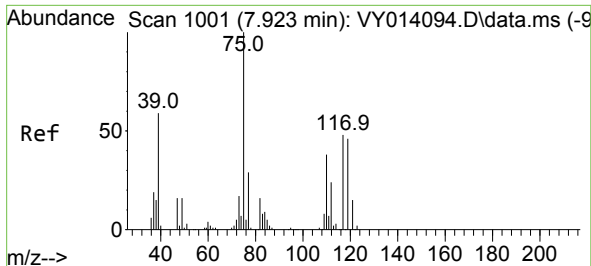
Tgt Ion:114 Resp: 267493
Ion Ratio Lower Upper
114 100
63 17.4 0.0 42.4
88 14.2 0.0 30.6



#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

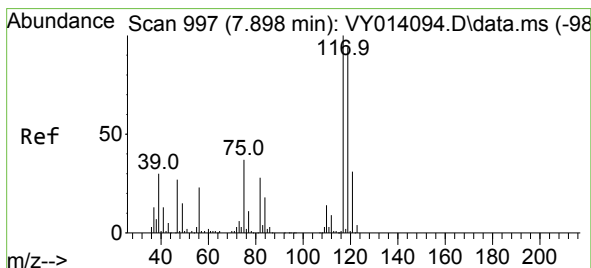
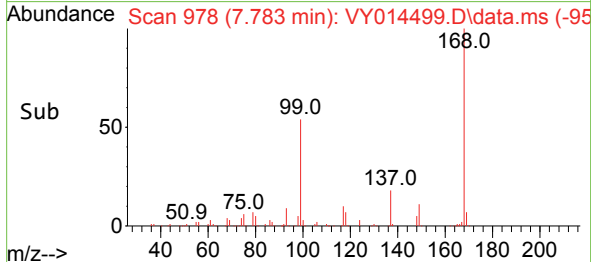
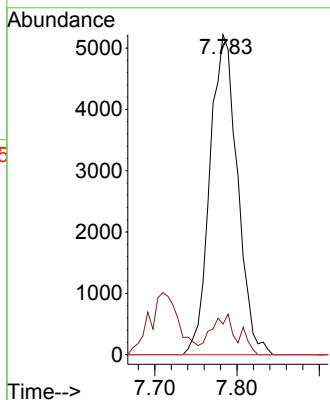
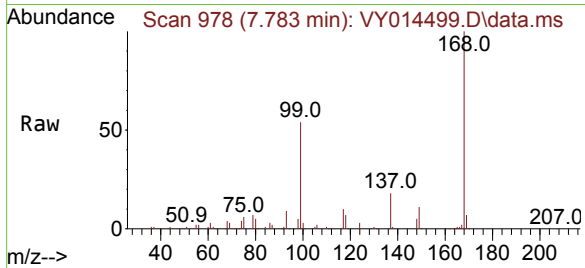




#36
1,1-Dichloropropene
Concen: 4.765 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY014499.D
Acq: 29 Jun 2023 16:26

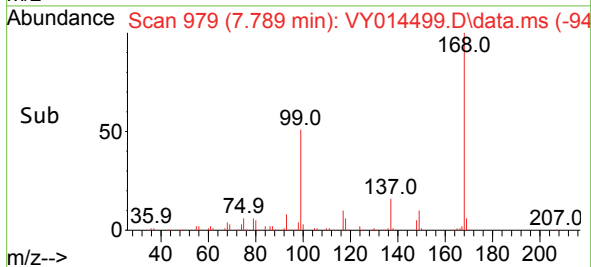
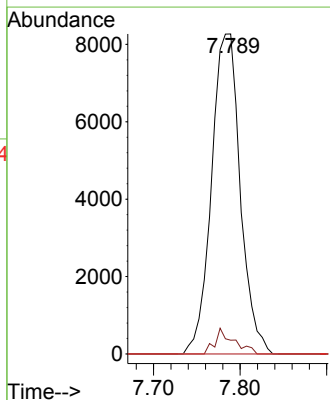
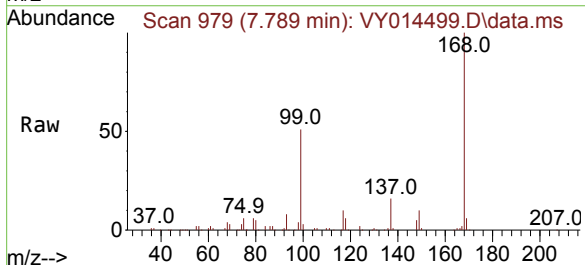
Instrument :
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ClientSampleId :
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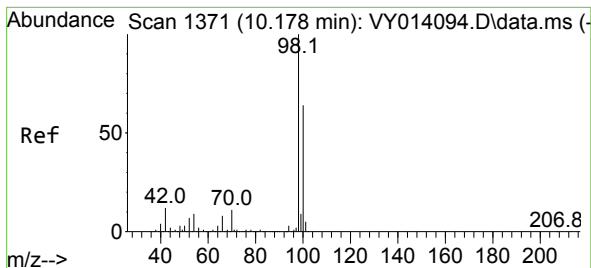
Tgt Ion: 75 Resp: 12135
Ion Ratio Lower Upper
75 100
110 6.5 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.959 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.109 min
Lab File: VY014499.D
Acq: 29 Jun 2023 16:26

Tgt Ion:117 Resp: 19096
Ion Ratio Lower Upper
117 100
119 4.3 76.4 114.6#
121 0.0 25.8 38.6#





#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 :

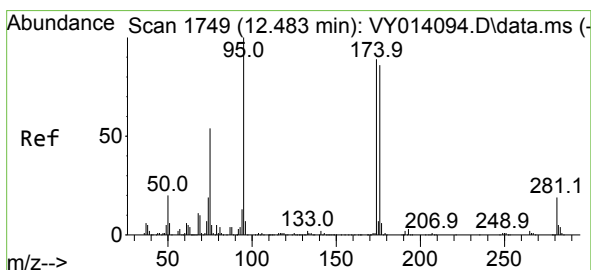
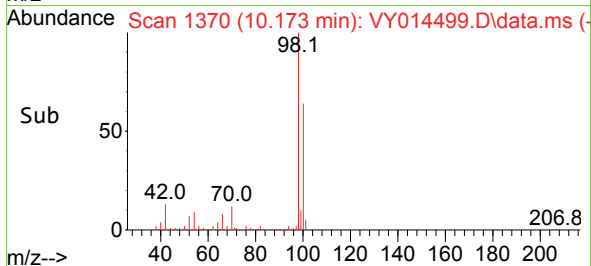
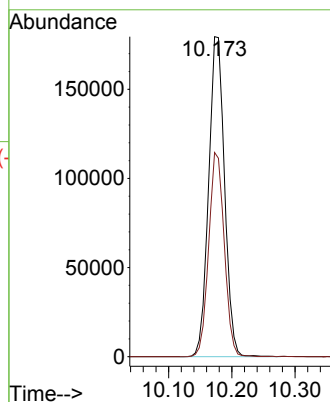
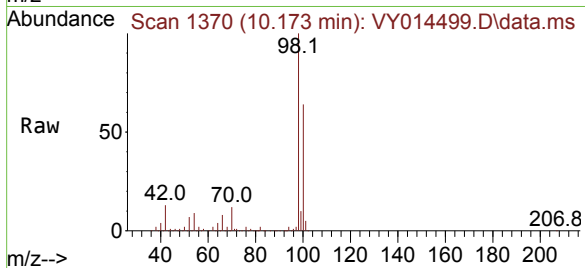
CMC-EME-TOPSOIL-010

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

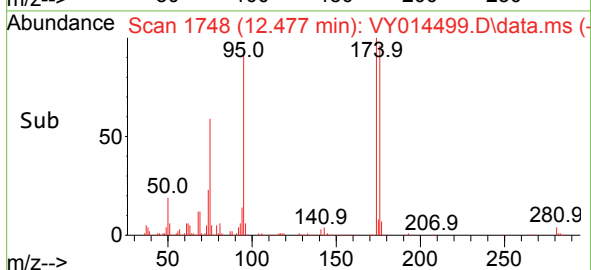
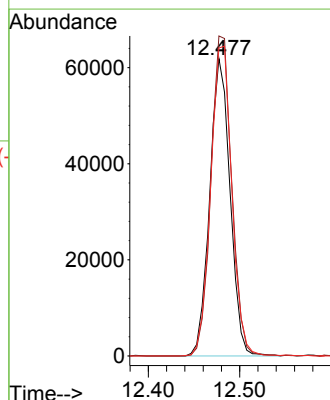
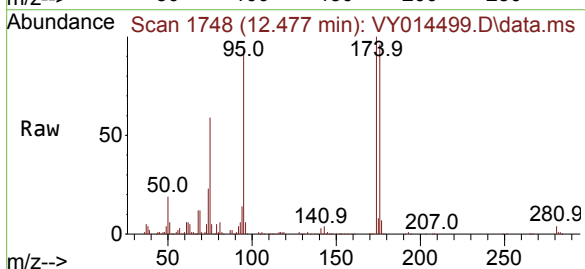
Tgt Ion: 95 Resp: 95675

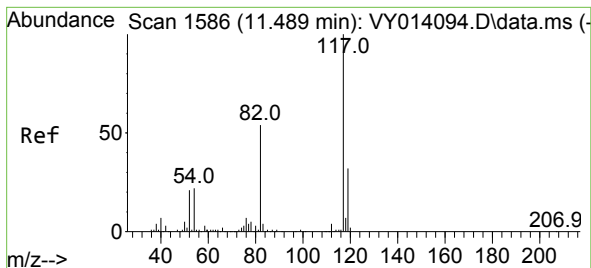
Ion Ratio Lower Upper

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

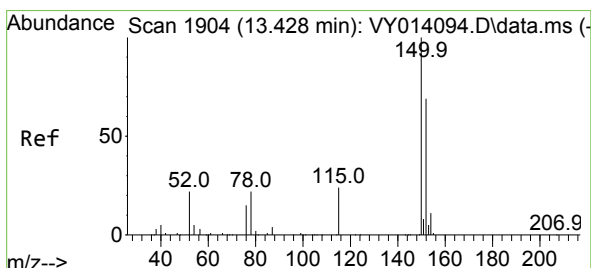
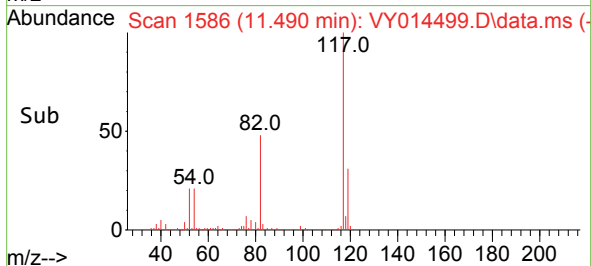
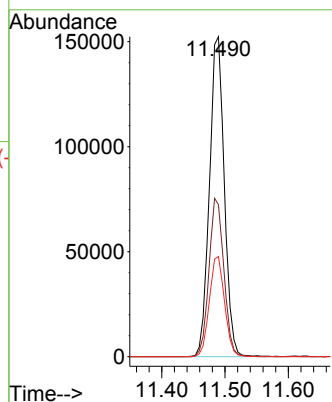
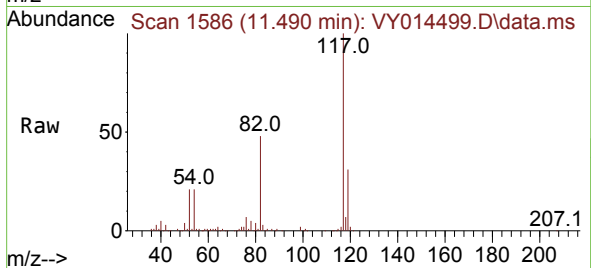
Tgt Ion:117 Resp: 249187

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

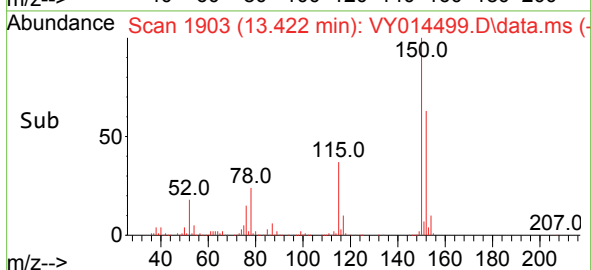
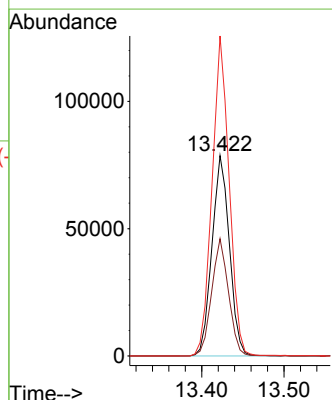
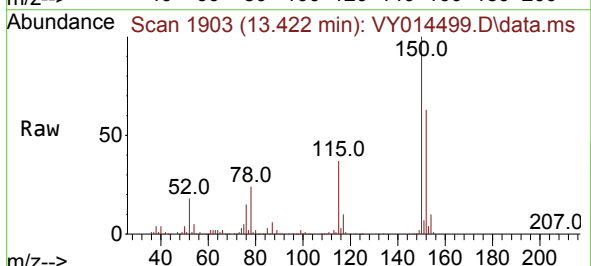
Tgt Ion:152 Resp: 116118

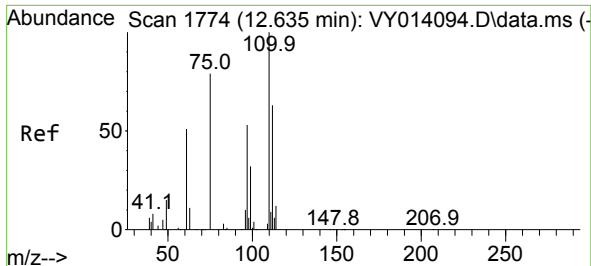
Ion Ratio Lower Upper

152 100

115 56.6 28.8 86.5

150 156.5 0.0 348.8

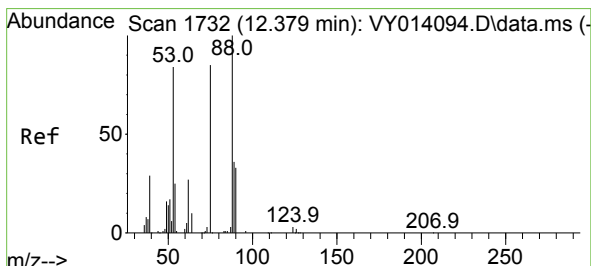
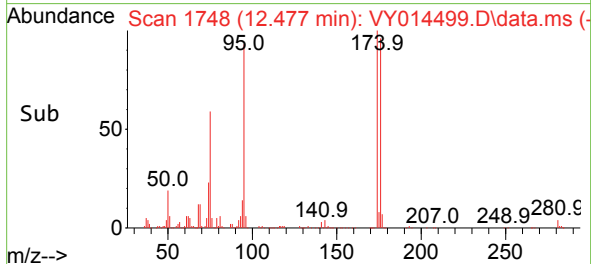
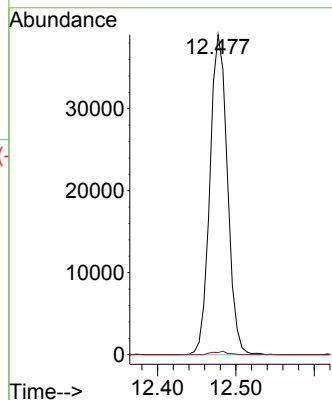
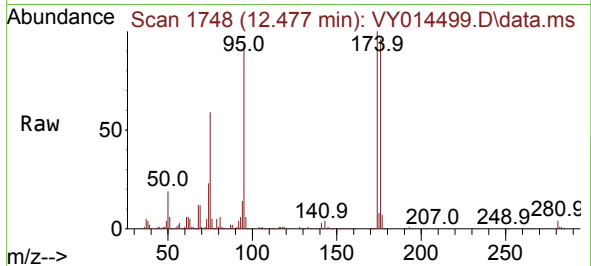




#76
1,2,3-Trichloropropane
Concen: 41.582 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014499.D
Acq: 29 Jun 2023 16:26

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

Tgt Ion: 75 Resp: 60569
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.669 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014499.D
Acq: 29 Jun 2023 16:26

Tgt Ion: 75 Resp: 60569
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.0 37.4 56.0#

