

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062923\
 Data File : VY014503.D
 Acq On : 29 Jun 2023 18:01
 Operator : KP/MD
 Sample : 03473-09
 Misc : 5.76g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-TOPSOIL-014

Quant Time: Jun 30 04:11:42 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)

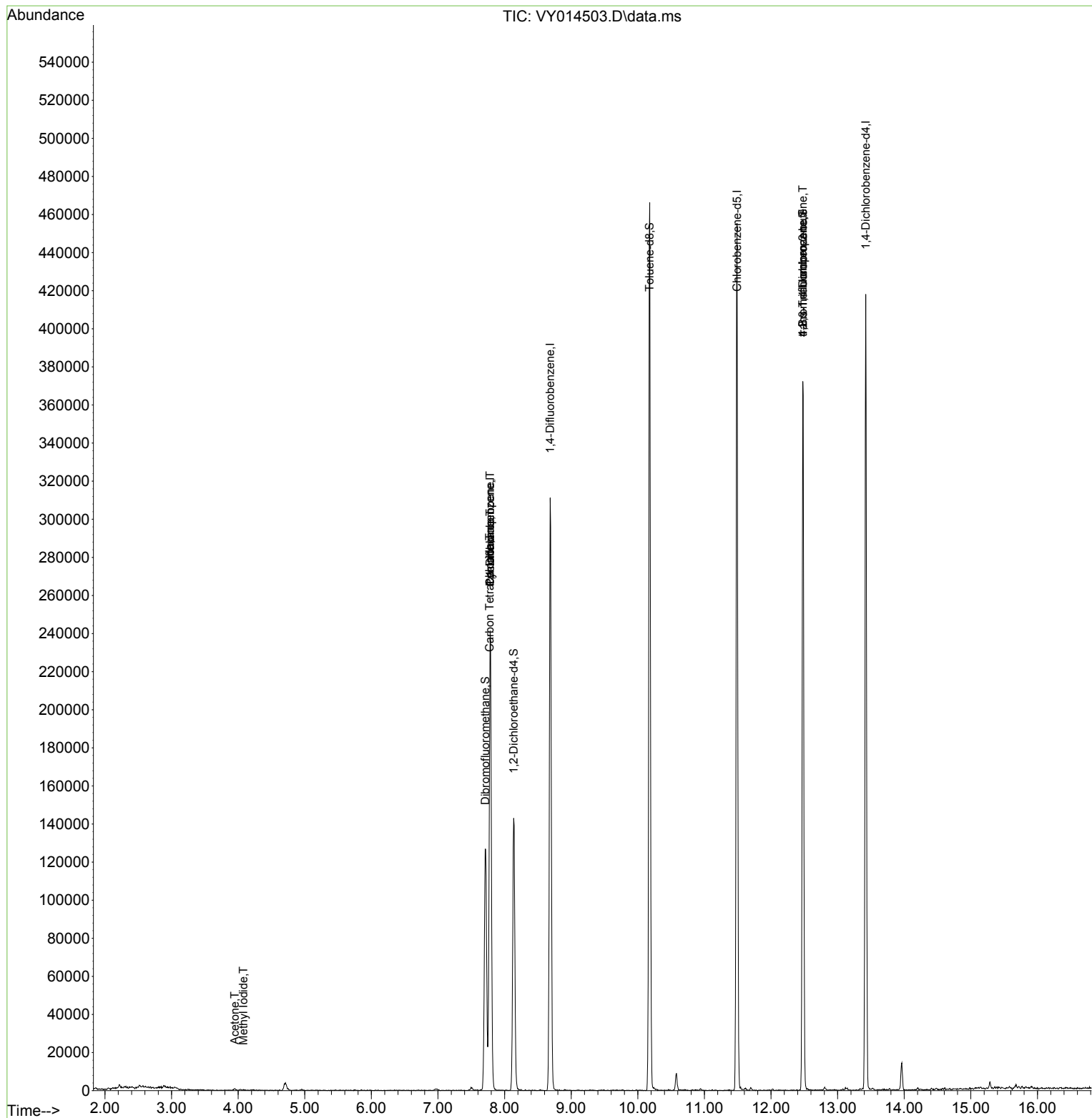
Internal Standards						
1) Pentafluorobenzene	7.783	168	189885	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	261138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	243219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	112224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	138067	58.563	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 117.120%		
35) Dibromofluoromethane	7.710	113	81170	50.311	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 100.620%		
50) Toluene-d8	10.179	98	303167	47.271	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 94.540%		
62) 4-Bromofluorobenzene	12.477	95	93479	40.828	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 81.660%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.076	142	47	2.894	ug/l #	38
11) Tert butyl alcohol	4.948	59	568	Below Cal	#	89
16) Acetone	3.948	43	1091	1.471	ug/l #	78
20) Methylene Chloride	4.710	84	2981	Below Cal	#	84
31) Cyclohexane	7.783	56	3967	1.362	ug/l #	25
36) 1,1-Dichloropropene	7.783	75	13126	5.280	ug/l #	52
38) Carbon Tetrachloride	7.777	117	18621	5.952	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	57599	40.915	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	57599	93.151	ug/l #	11

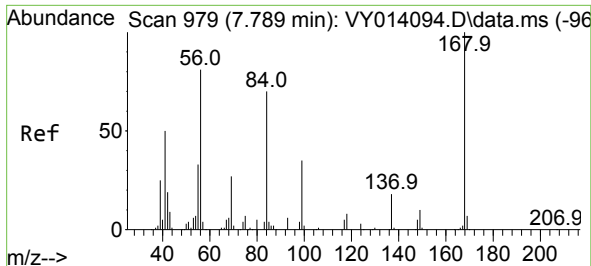
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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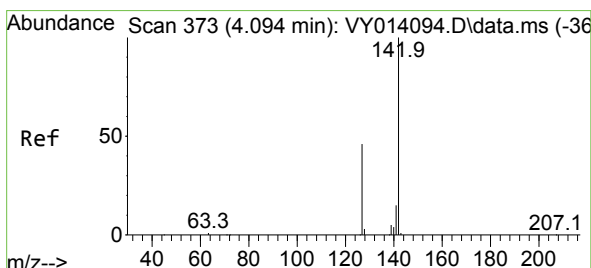
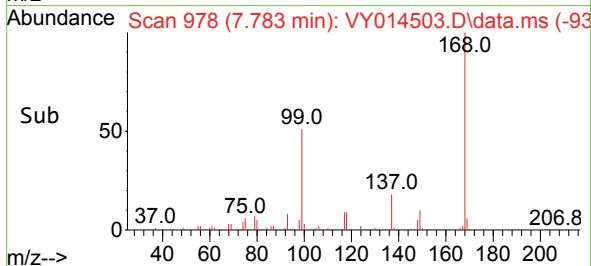
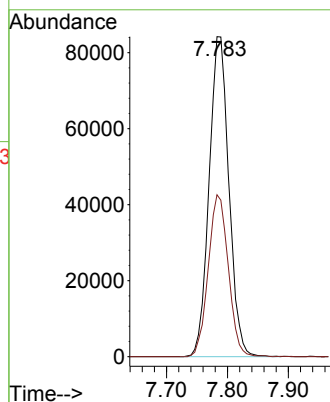
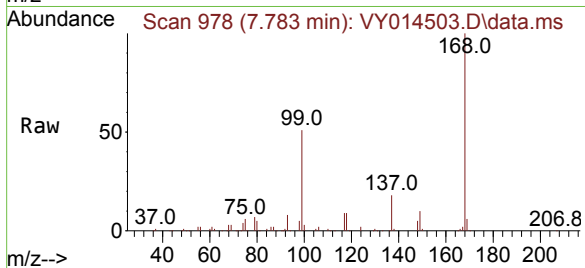




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014503.D
Acq: 29 Jun 2023 18:01

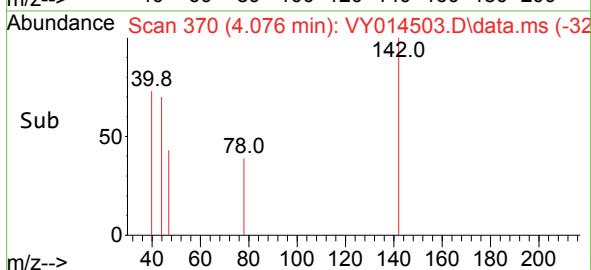
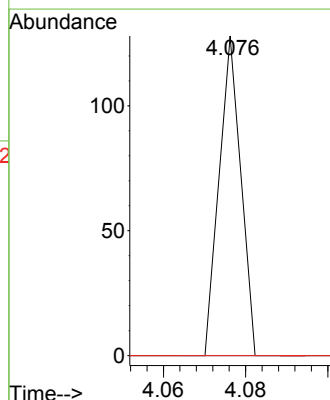
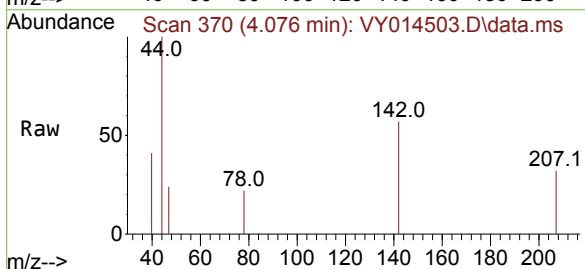
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-TOPSOIL-014

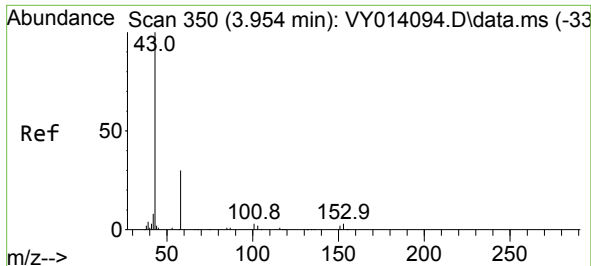
Tgt Ion:168 Resp: 189885
Ion Ratio Lower Upper
168 100
99 50.6 43.4 65.0



#10
Methyl Iodide
Concen: 2.894 ug/l
RT: 4.076 min Scan# 370
Delta R.T. -0.018 min
Lab File: VY014503.D
Acq: 29 Jun 2023 18:01

Tgt Ion:142 Resp: 47
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

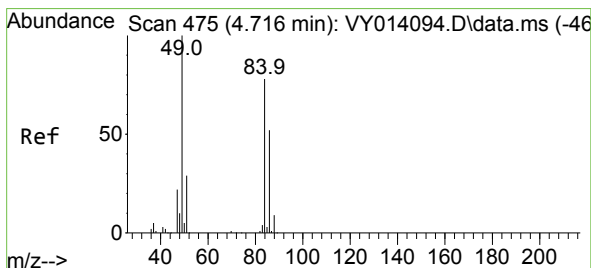
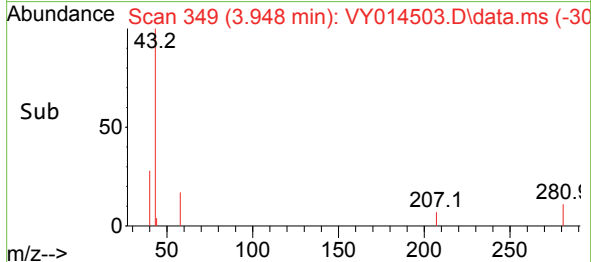
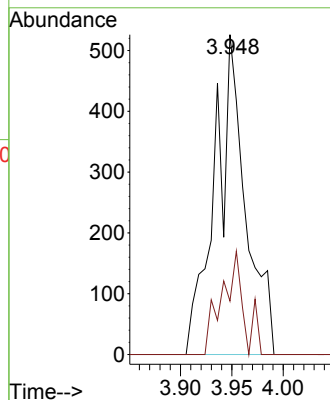
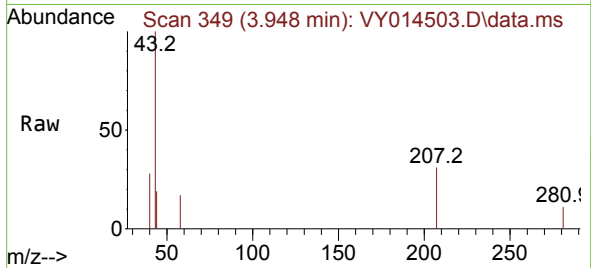




#16
Acetone
Concen: 1.471 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014503.D
Acq: 29 Jun 2023 18:01

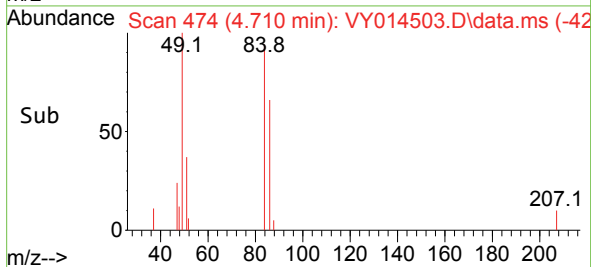
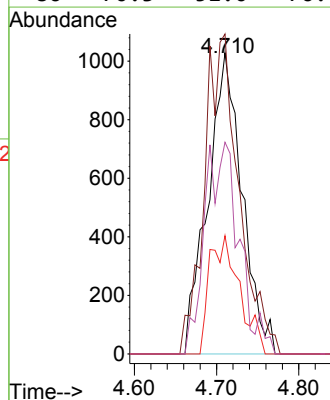
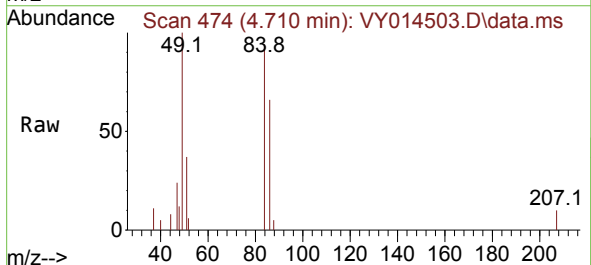
Instrument :
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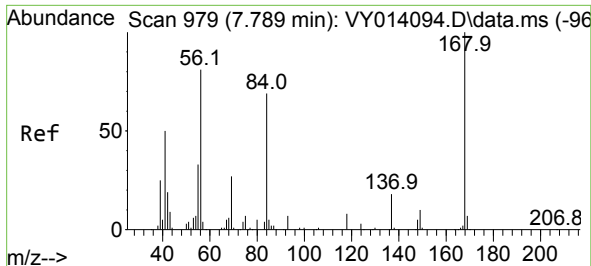
Tgt Ion: 43 Resp: 1091
Ion Ratio Lower Upper
43 100
58 16.7 22.7 34.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY014503.D
Acq: 29 Jun 2023 18:01

Tgt Ion: 84 Resp: 2981
Ion Ratio Lower Upper
84 100
49 106.2 106.9 160.3#
51 39.3 33.2 49.8
86 70.3 51.0 76.6

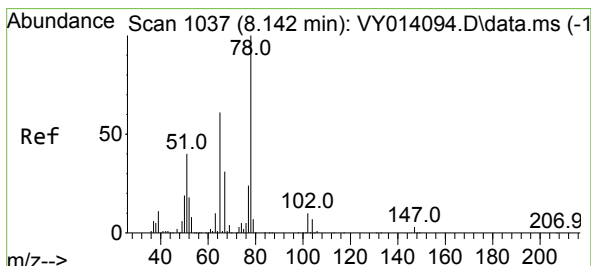
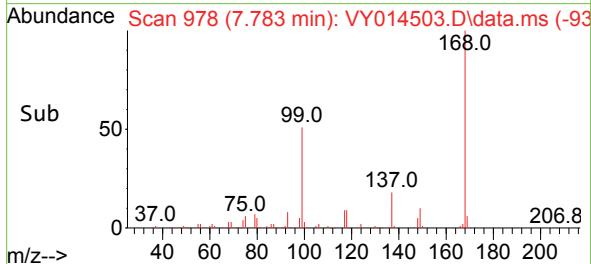
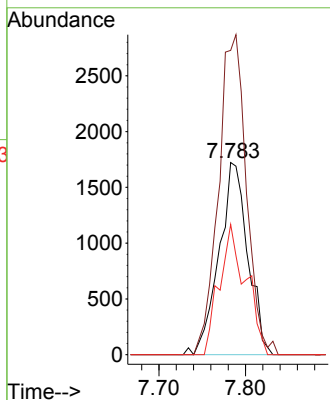
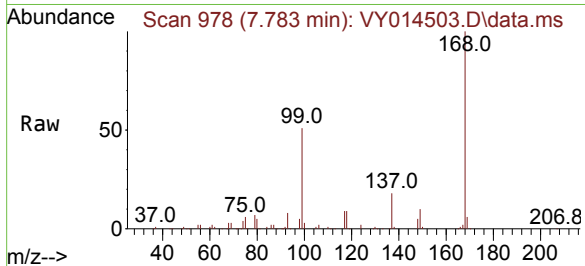




#31
Cyclohexane
Concen: 1.362 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014503.D
Acq: 29 Jun 2023 18:01

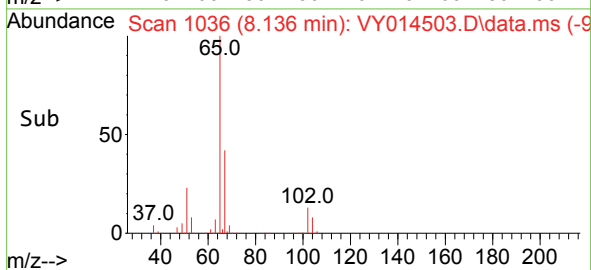
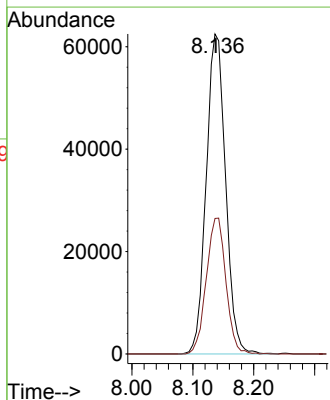
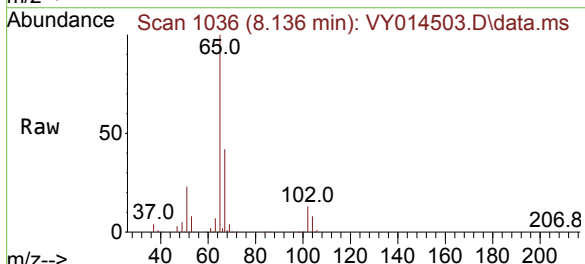
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-TOPSOIL-014

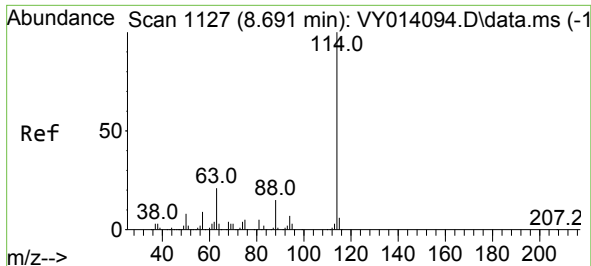
Tgt Ion: 56 Resp: 3967
Ion Ratio Lower Upper
56 100
69 158.4 27.8 41.6#
84 67.8 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 58.563 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014503.D
Acq: 29 Jun 2023 18:01

Tgt Ion: 65 Resp: 138067
Ion Ratio Lower Upper
65 100
67 43.0 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: VY014503.D

Acq: 29 Jun 2023 18:01

Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-TOPSOIL-014

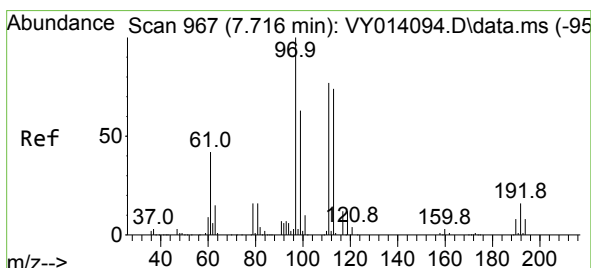
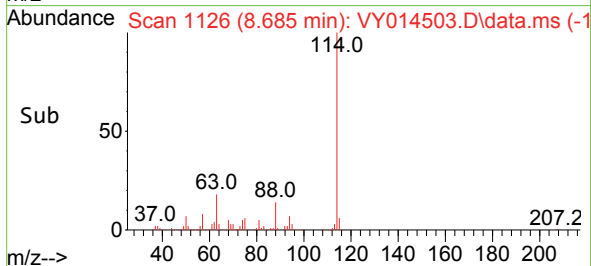
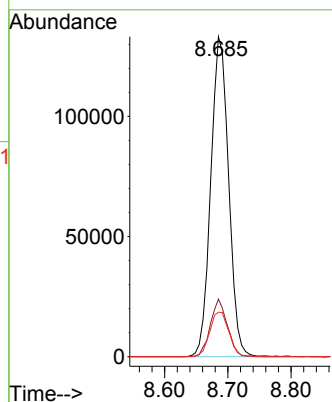
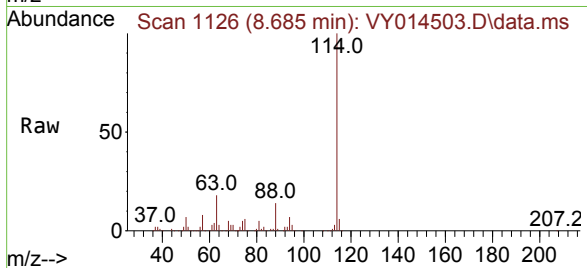
Tgt Ion:114 Resp: 261138

Ion Ratio Lower Upper

114 100

63 18.0 0.0 42.4

88 13.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.311 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014503.D

Acq: 29 Jun 2023 18:01

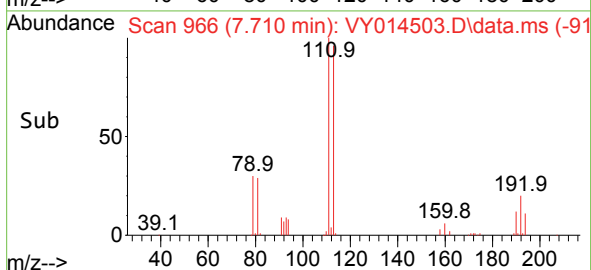
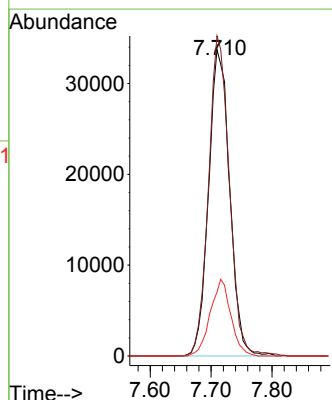
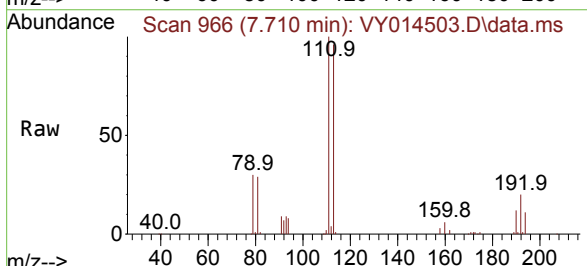
Tgt Ion:113 Resp: 81170

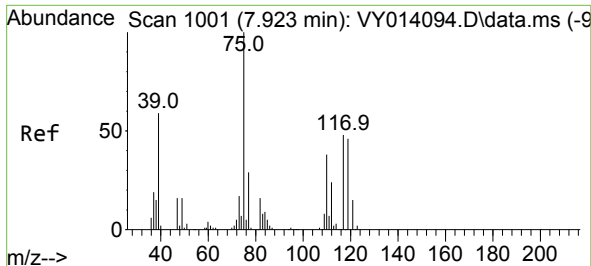
Ion Ratio Lower Upper

113 100

111 103.2 81.3 121.9

192 24.4 16.9 25.3

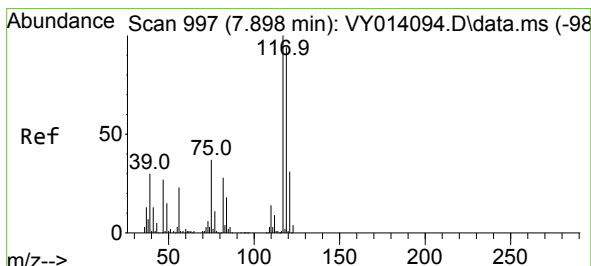
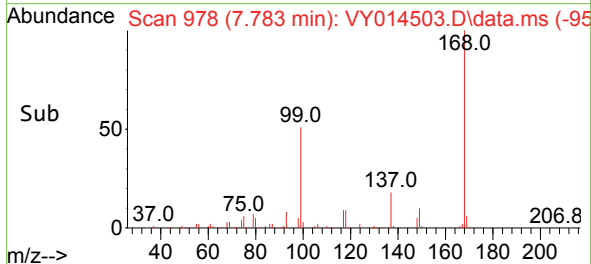
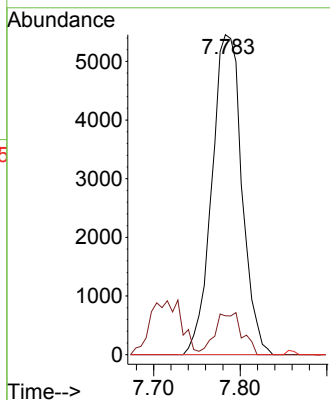
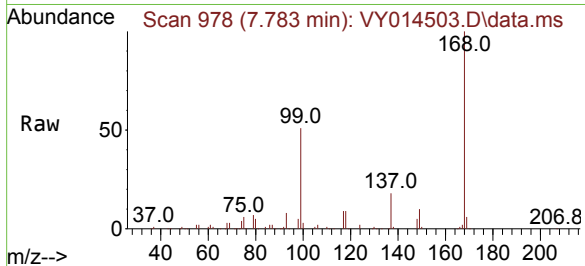




#36
1,1-Dichloropropene
Concen: 5.280 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY014503.D
Acq: 29 Jun 2023 18:01

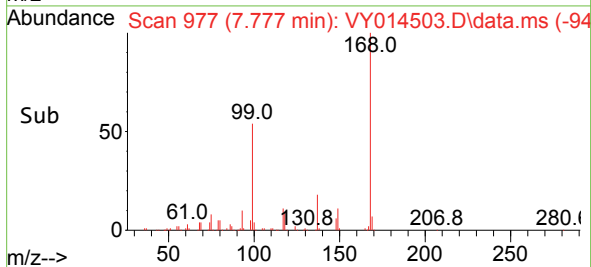
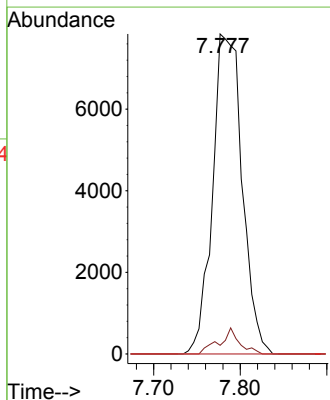
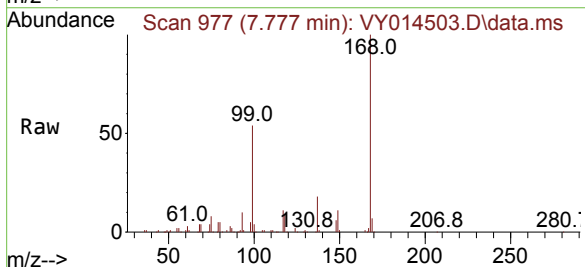
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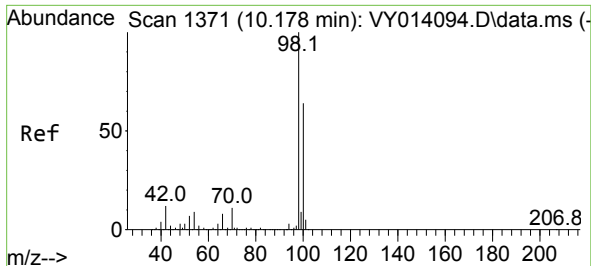
Tgt Ion: 75 Resp: 13126
Ion Ratio Lower Upper
75 100
110 11.8 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.952 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.121 min
Lab File: VY014503.D
Acq: 29 Jun 2023 18:01

Tgt Ion: 117 Resp: 18621
Ion Ratio Lower Upper
117 100
119 2.7 76.4 114.6#
121 0.0 25.8 38.6#

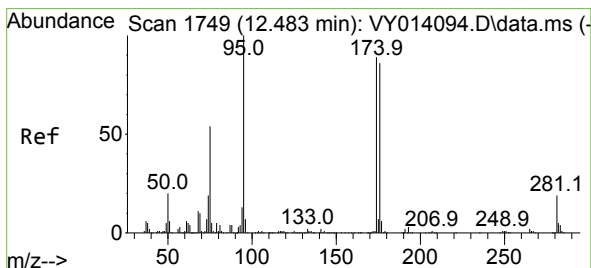
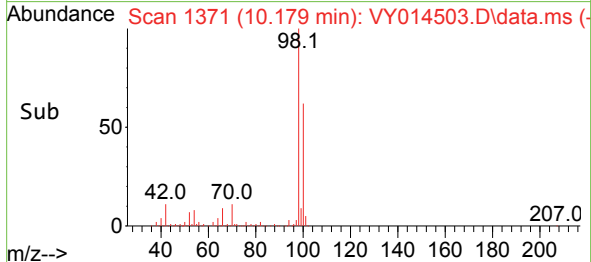
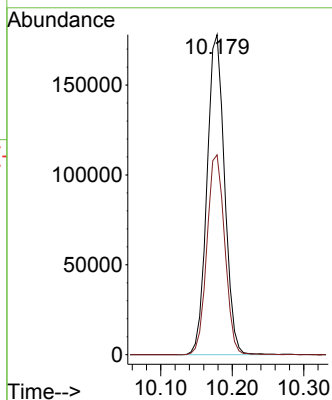
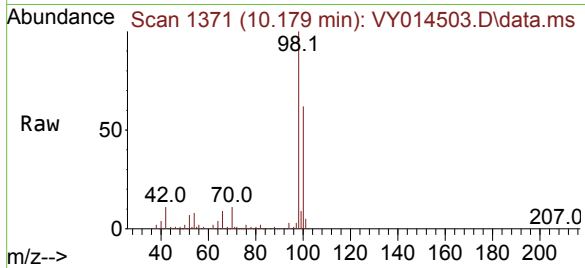




#50
Toluene-d8
Concen: 47.271 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014503.D
Acq: 29 Jun 2023 18:01

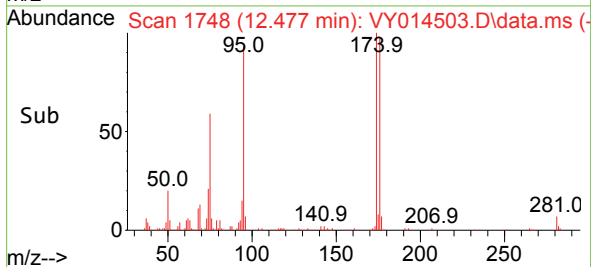
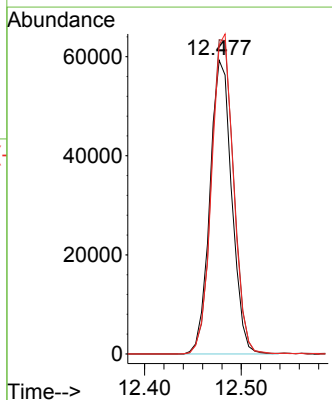
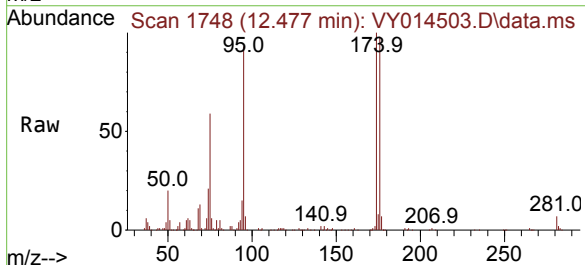
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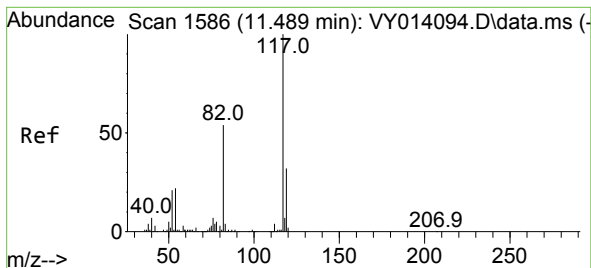
Tgt Ion: 98 Resp: 303167
Ion Ratio Lower Upper
98 100
100 63.4 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 40.828 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014503.D
Acq: 29 Jun 2023 18:01

Tgt Ion: 95 Resp: 93479
Ion Ratio Lower Upper
95 100
174 109.6 0.0 178.2
176 108.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014503.D

Acq: 29 Jun 2023 18:01

Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-TOPSOIL-014

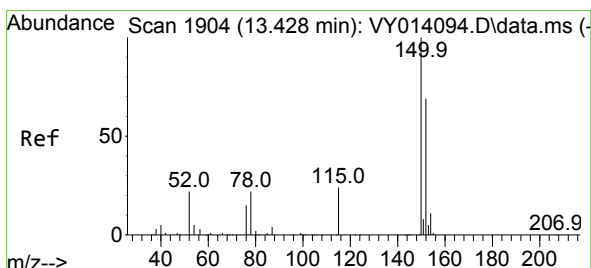
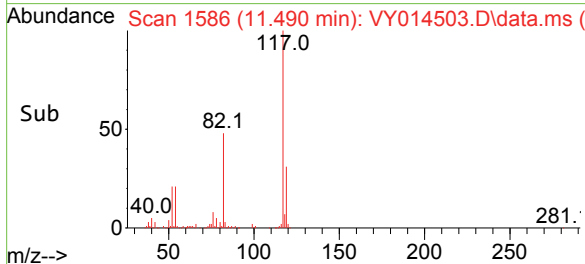
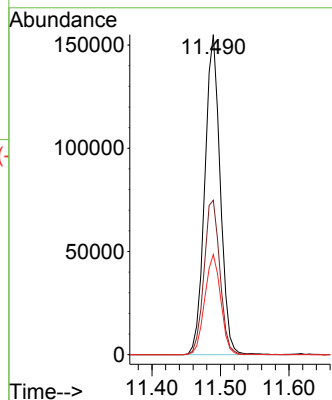
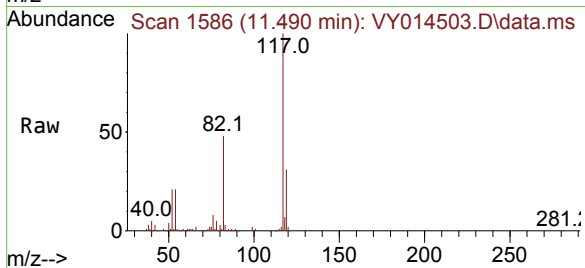
Tgt Ion:117 Resp: 243219

Ion Ratio Lower Upper

117 100

82 48.3 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: VY014503.D

Acq: 29 Jun 2023 18:01

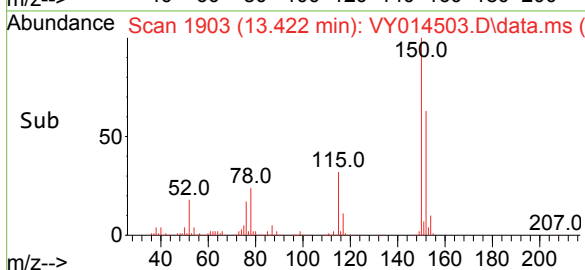
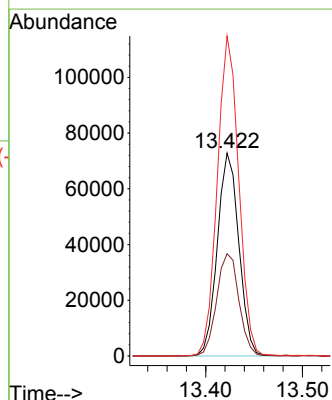
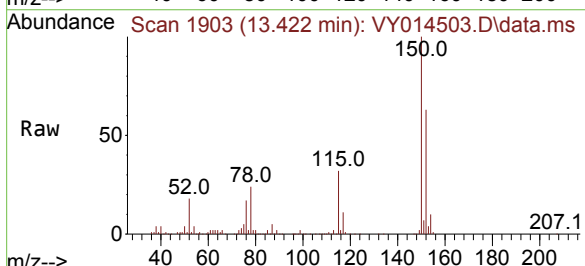
Tgt Ion:152 Resp: 112224

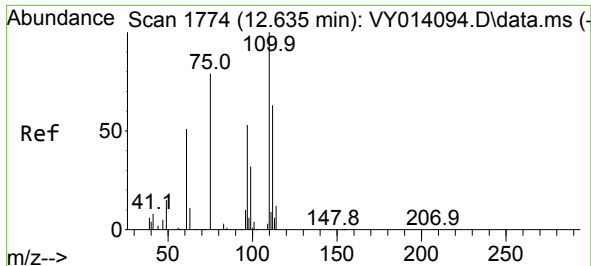
Ion Ratio Lower Upper

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115 52.3 28.8 86.5

150 157.4 0.0 348.8

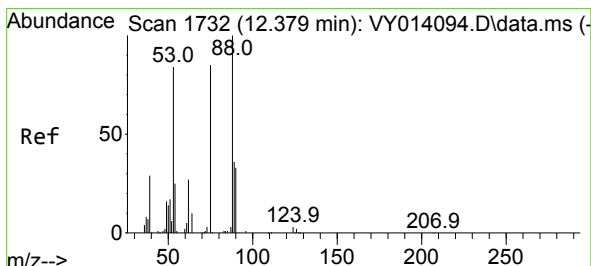
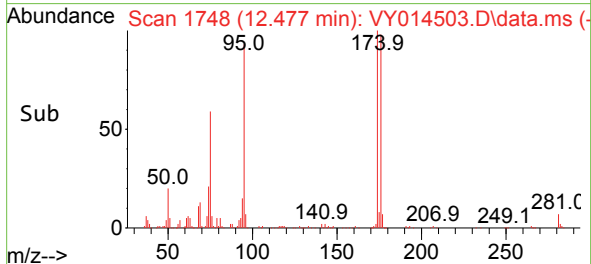
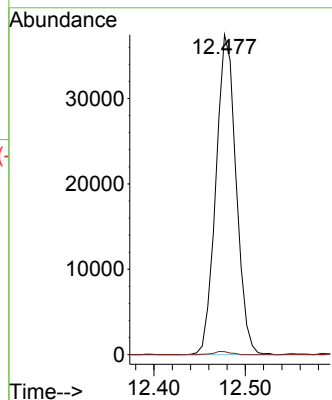
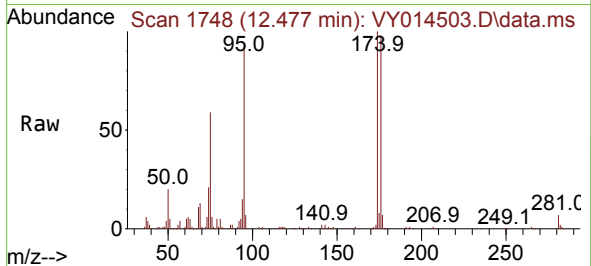




#76
1,2,3-Trichloropropane
Concen: 40.915 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014503.D
Acq: 29 Jun 2023 18:01

Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-TOPSOIL-014

Tgt Ion: 75 Resp: 57599
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.151 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014503.D
Acq: 29 Jun 2023 18:01

Tgt Ion: 75 Resp: 57599
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.2 37.4 56.0#

