

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062923\
 Data File : VY014496.D
 Acq On : 29 Jun 2023 15:15
 Operator : KP/MD
 Sample : 03473-02
 Misc : 5.56g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-TOPSOIL-006

Quant Time: Jun 30 04:09:31 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)

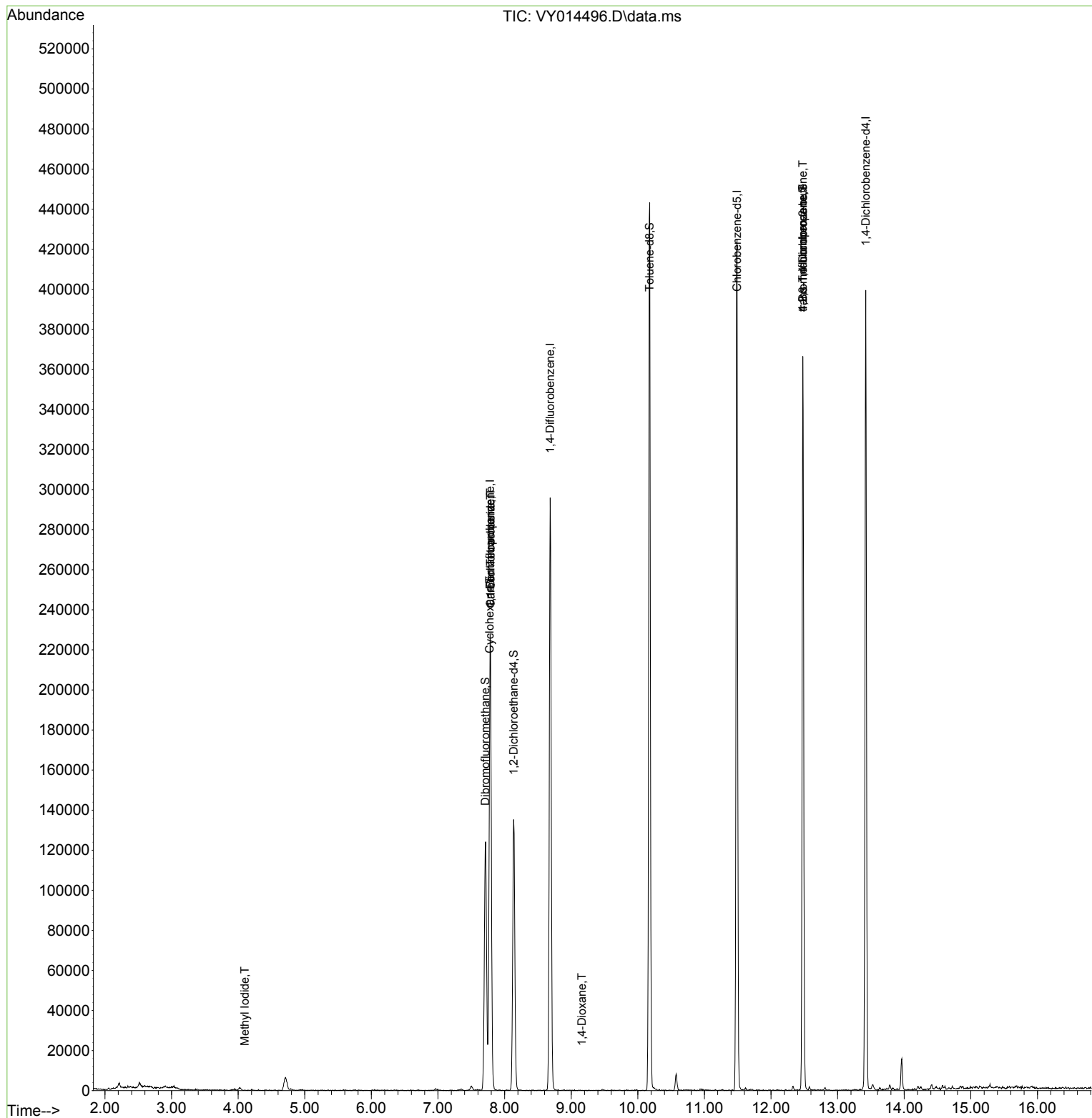
Internal Standards						
1) Pentafluorobenzene	7.783	168	178317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	248306	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	230888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	106199	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	128472	58.028	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.060%
35) Dibromofluoromethane	7.709	113	77488	50.511	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.020%
50) Toluene-d8	10.179	98	288213	47.262	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.520%
62) 4-Bromofluorobenzene	12.477	95	89552	41.134	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.260%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.100	142	52	2.897	ug/l #	38
11) Tert butyl alcohol	4.954	59	174	Below Cal	#	89
20) Methylene Chloride	4.722	84	5301	Below Cal	#	60
31) Cyclohexane	7.777	56	3954	1.446	ug/l #	20
36) 1,1-Dichloropropene	7.789	75	11763	4.976	ug/l #	54
38) Carbon Tetrachloride	7.789	117	17533	5.894	ug/l #	17
49) 1,4-Dioxane	9.160	88	19	1.126	ug/l #	36
76) 1,2,3-Trichloropropane	12.477	75	55712	41.820	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	55712	95.211	ug/l #	11

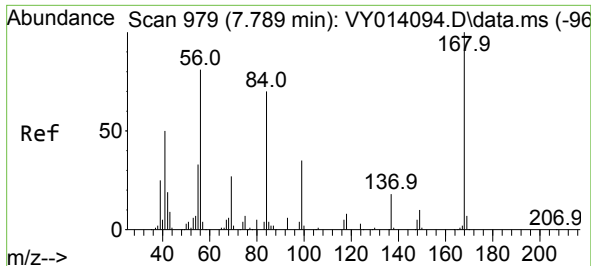
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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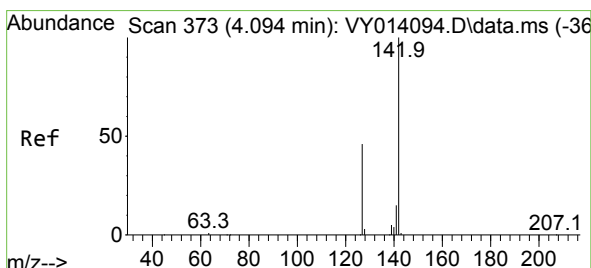
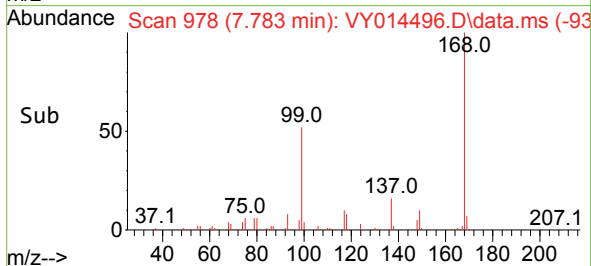
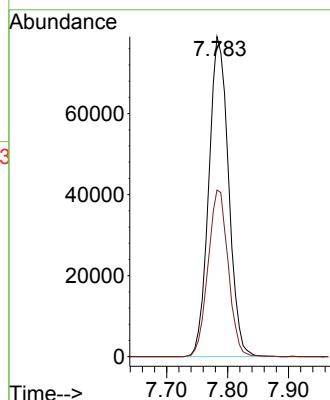
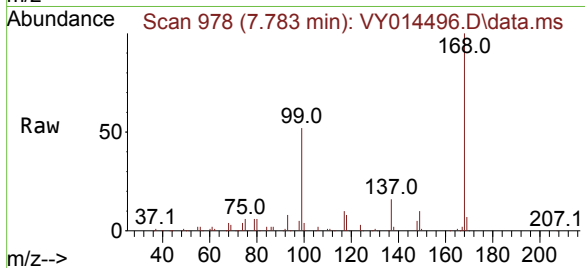




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014496.D
Acq: 29 Jun 2023 15:15

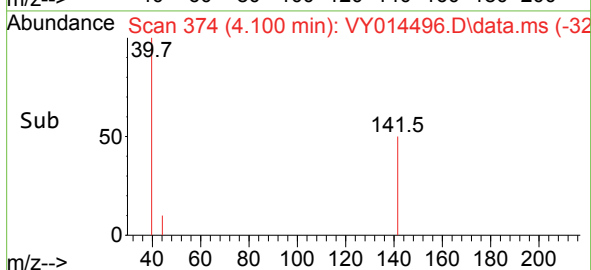
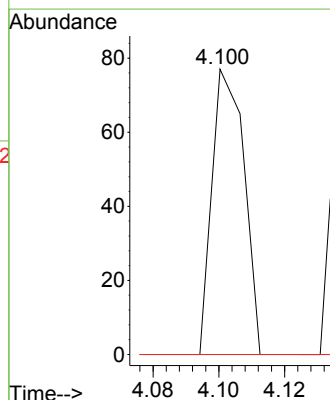
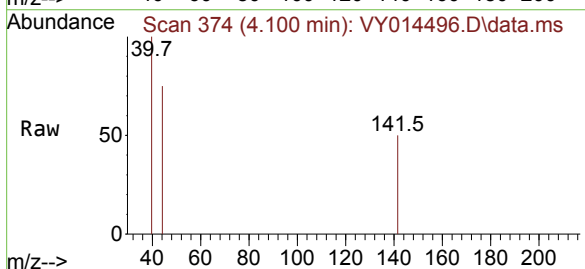
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-TOPSOIL-006

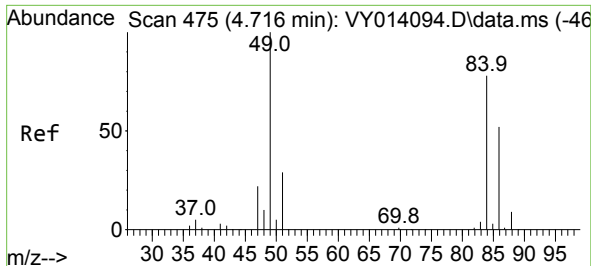
Tgt Ion:168 Resp: 178317
Ion Ratio Lower Upper
168 100
99 52.1 43.4 65.0



#10
Methyl Iodide
Concen: 2.897 ug/l
RT: 4.100 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY014496.D
Acq: 29 Jun 2023 15:15

Tgt Ion:142 Resp: 52
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

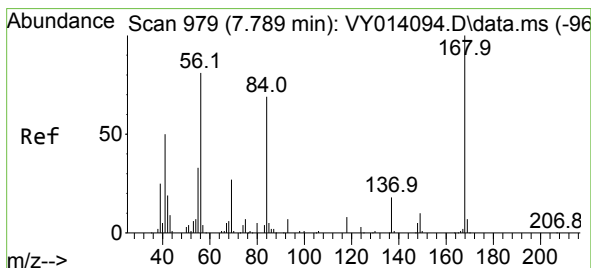
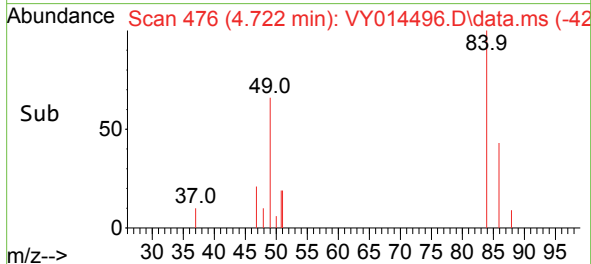
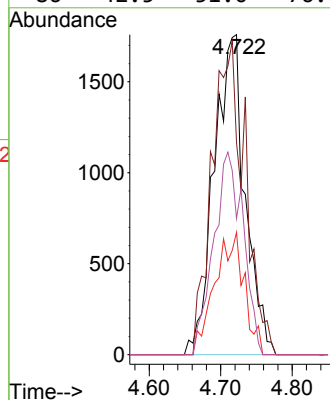
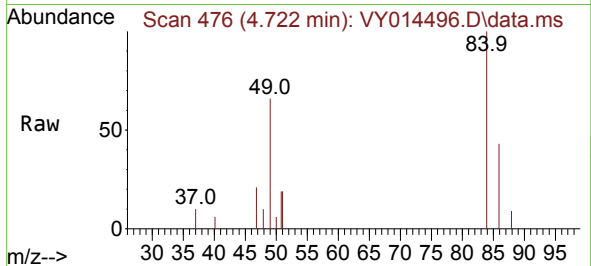




#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY014496.D
Acq: 29 Jun 2023 15:15

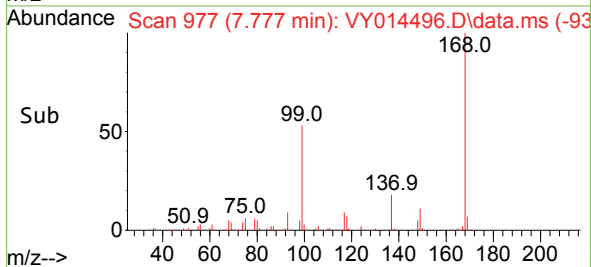
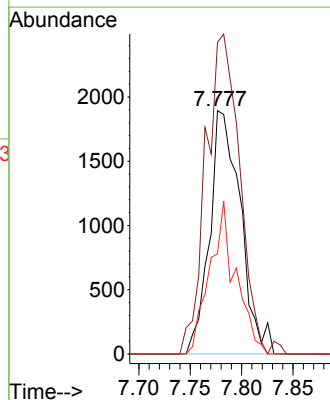
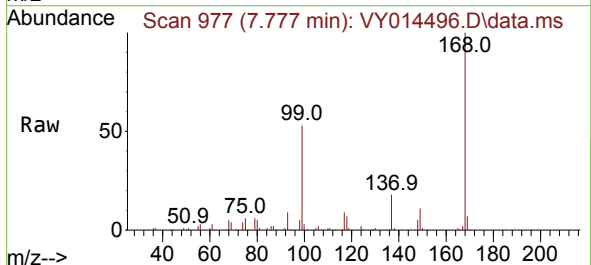
Instrument :
MSVOA_Y
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CMC-EME-TOPSOIL-006

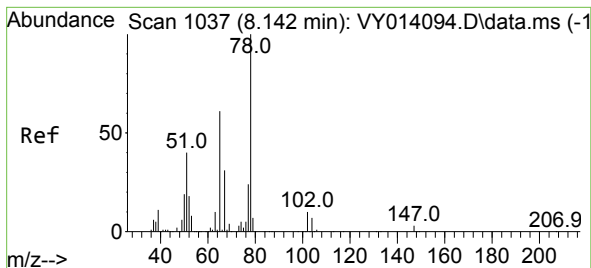
Tgt Ion: 84 Resp: 5301
Ion Ratio Lower Upper
84 100
49 66.3 106.9 160.3#
51 38.3 33.2 49.8
86 42.5 51.0 76.6#



#31
Cyclohexane
Concen: 1.446 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.012 min
Lab File: VY014496.D
Acq: 29 Jun 2023 15:15

Tgt Ion: 56 Resp: 3954
Ion Ratio Lower Upper
56 100
69 128.0 27.8 41.6#
84 41.1 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 58.028 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY014496.D

Acq: 29 Jun 2023 15:15

Instrument :

MSVOA_Y

ClientSampleId :

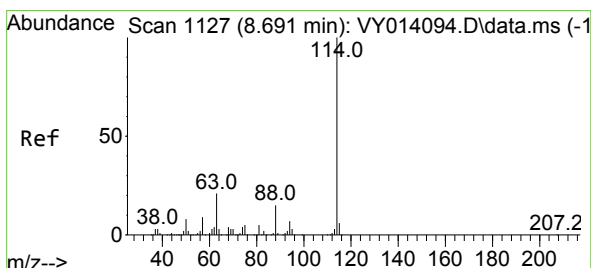
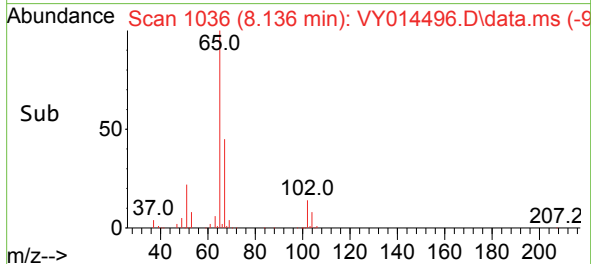
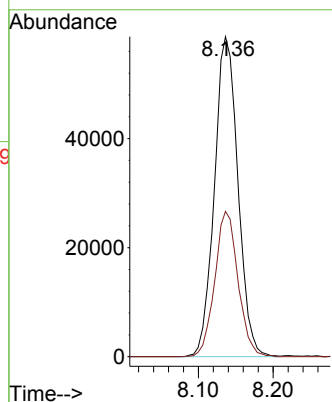
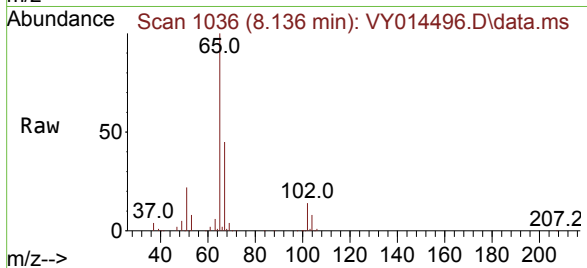
CMC-EME-TOPSOIL-006

Tgt Ion: 65 Resp: 128472

Ion Ratio Lower Upper

65 100

67 44.9 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: VY014496.D

Acq: 29 Jun 2023 15:15

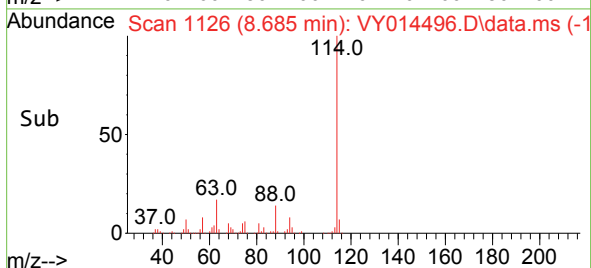
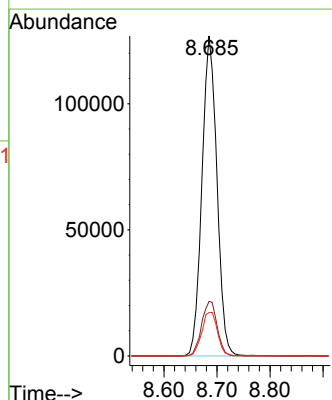
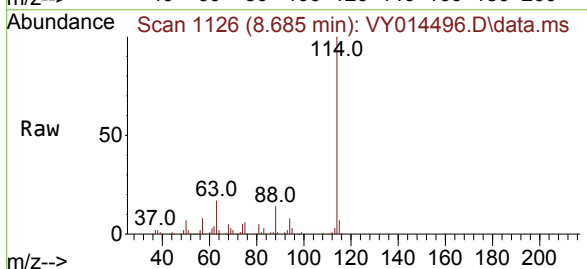
Tgt Ion: 114 Resp: 248306

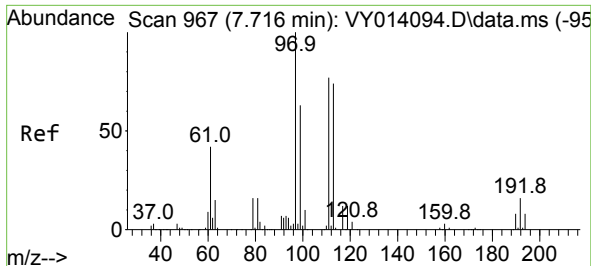
Ion Ratio Lower Upper

114 100

63 17.0 0.0 42.4

88 13.6 0.0 30.6

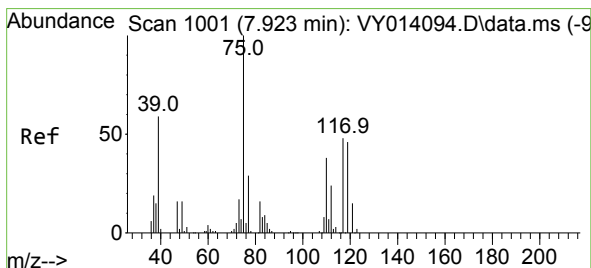
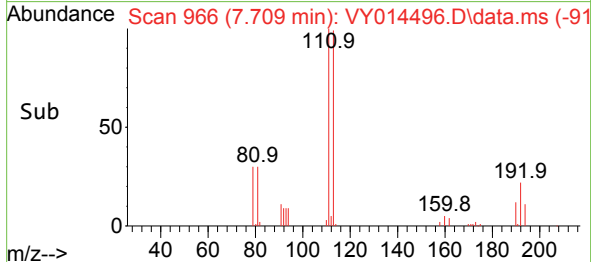
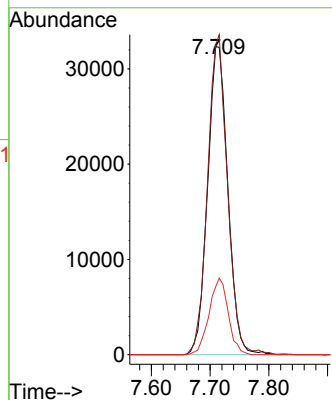
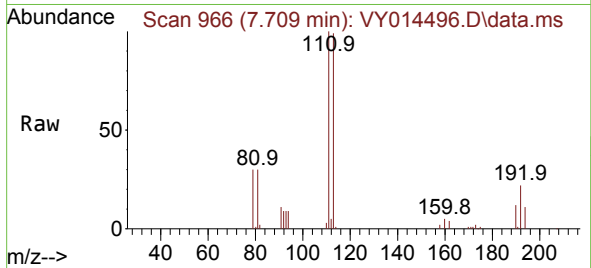




#35
Dibromofluoromethane
Concen: 50.511 ug/l
RT: 7.709 min Scan# 911
Delta R.T. -0.007 min
Lab File: VY014496.D
Acq: 29 Jun 2023 15:15

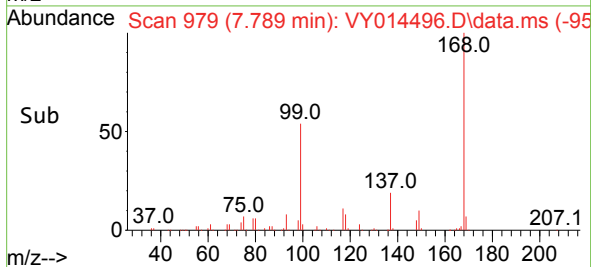
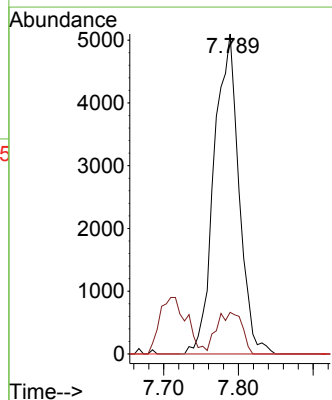
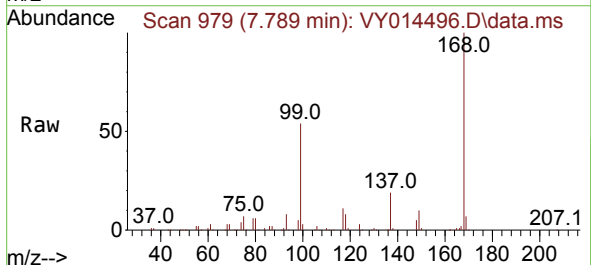
Instrument :
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ClientSampleId :
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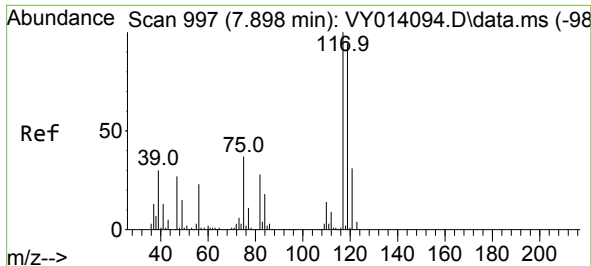
Tgt Ion:113 Resp: 77488
Ion Ratio Lower Upper
113 100
111 101.6 81.3 121.9
192 23.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.976 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014496.D
Acq: 29 Jun 2023 15:15

Tgt Ion: 75 Resp: 11763
Ion Ratio Lower Upper
75 100
110 13.3 17.8 53.5#
77 0.0 24.4 36.6#

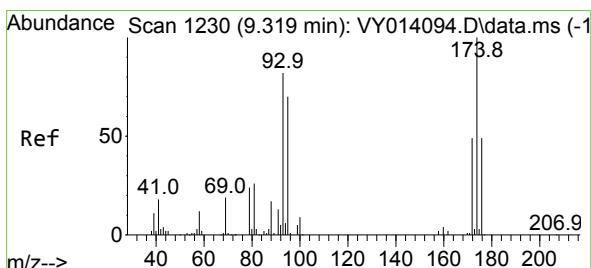
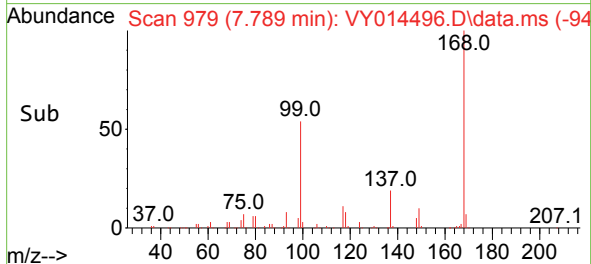
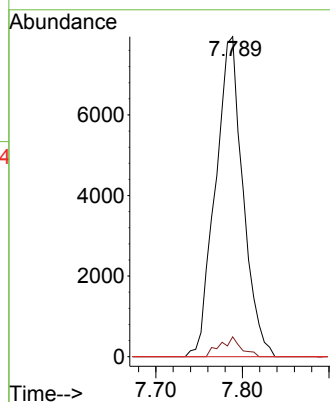
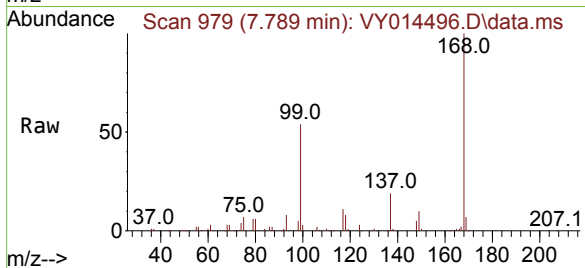




#38
Carbon Tetrachloride
Concen: 5.894 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014496.D
Acq: 29 Jun 2023 15:15

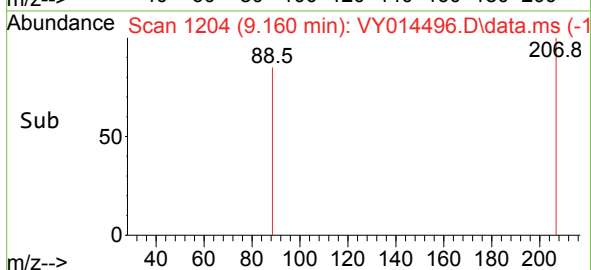
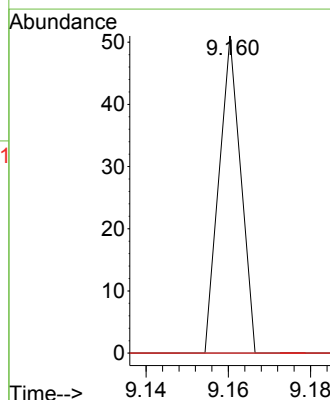
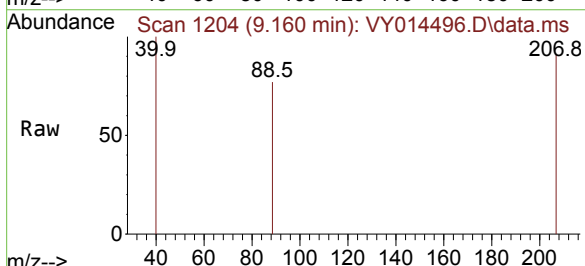
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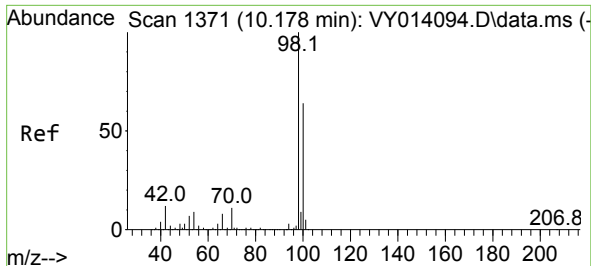
Tgt Ion:117 Resp: 17533
Ion Ratio Lower Upper
117 100
119 6.2 76.4 114.6#
121 0.0 25.8 38.6#



#49
1,4-Dioxane
Concen: 1.126 ug/l
RT: 9.160 min Scan# 1204
Delta R.T. -0.159 min
Lab File: VY014496.D
Acq: 29 Jun 2023 15:15

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 30.9 46.3#

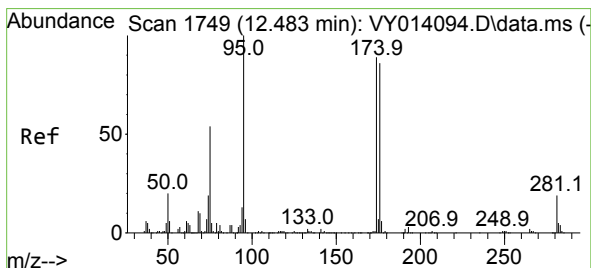
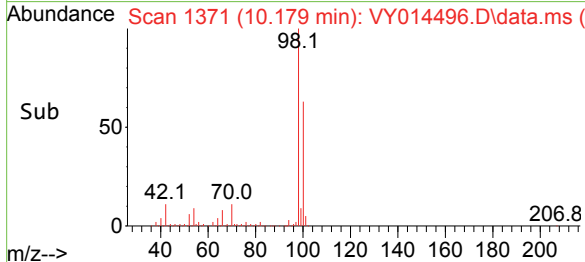
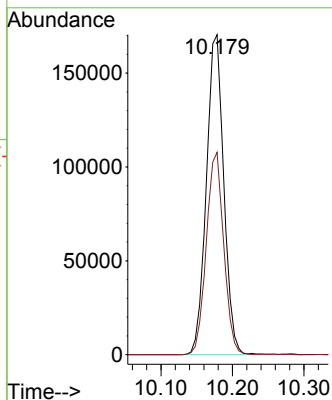
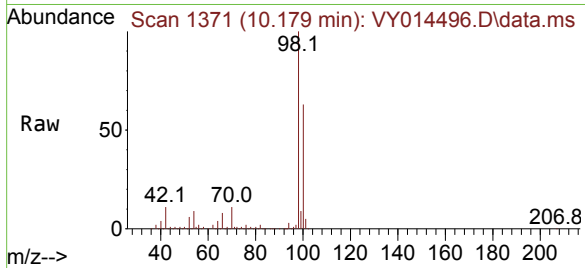




#50
Toluene-d8
Concen: 47.262 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014496.D
Acq: 29 Jun 2023 15:15

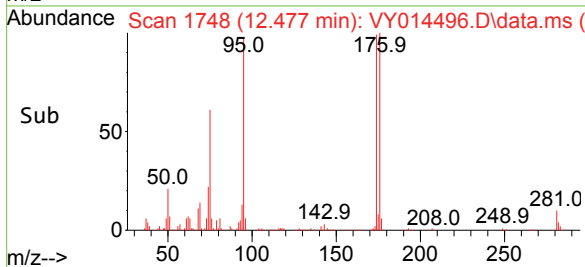
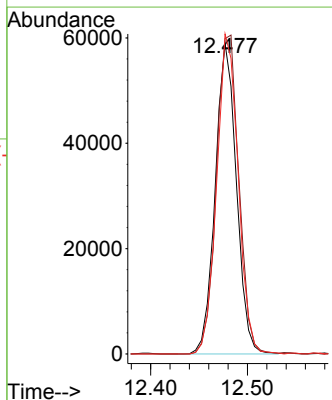
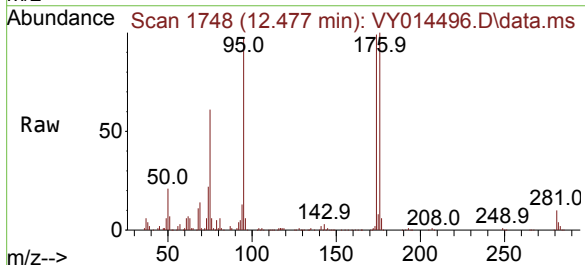
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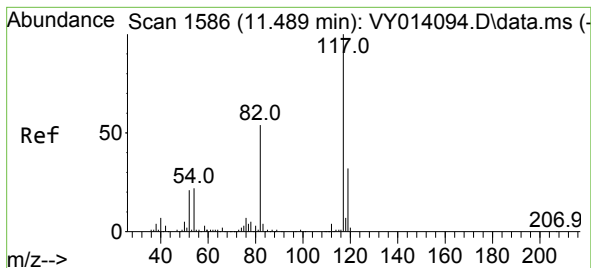
Tgt Ion: 98 Resp: 288213
Ion Ratio Lower Upper
98 100
100 63.4 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 41.134 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014496.D
Acq: 29 Jun 2023 15:15

Tgt Ion: 95 Resp: 89552
Ion Ratio Lower Upper
95 100
174 108.9 0.0 178.2
176 104.4 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: VY014496.D

Acq: 29 Jun 2023 15:15

Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-TOPSOIL-006

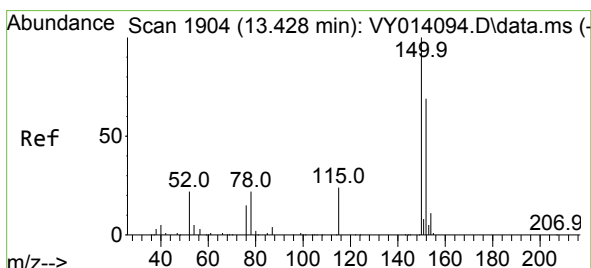
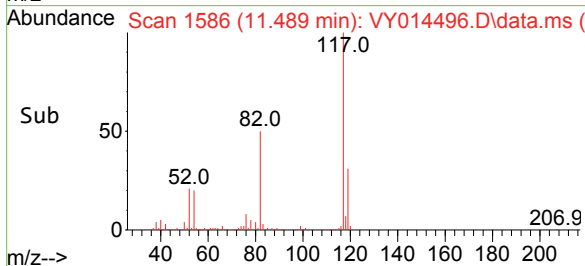
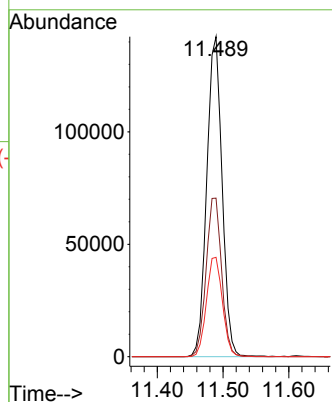
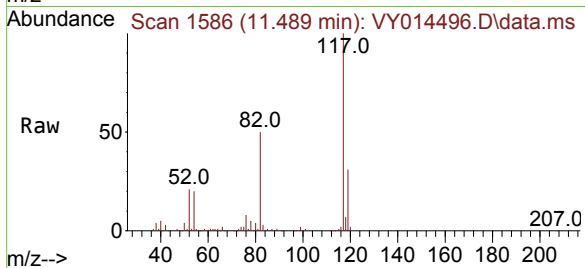
Tgt Ion:117 Resp: 230888

Ion Ratio Lower Upper

117 100

82 49.6 43.4 65.0

119 31.1 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: VY014496.D

Acq: 29 Jun 2023 15:15

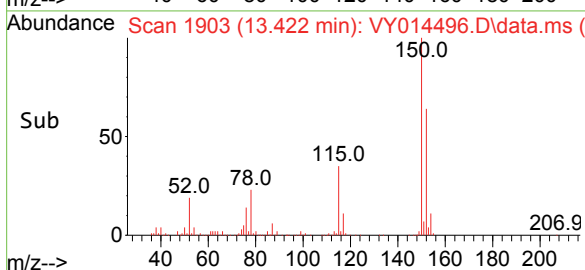
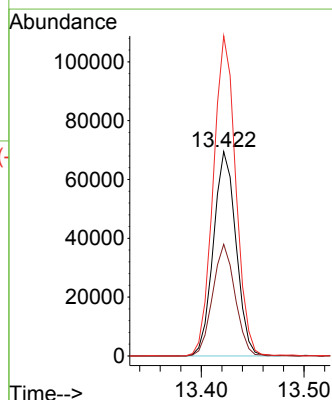
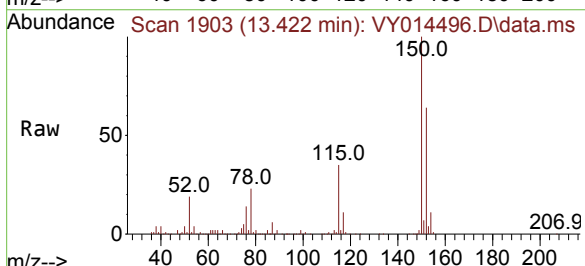
Tgt Ion:152 Resp: 106199

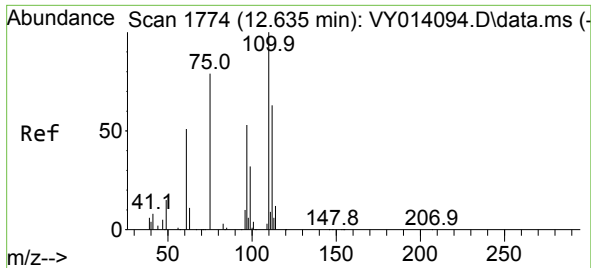
Ion Ratio Lower Upper

152 100

115 54.2 28.8 86.5

150 156.0 0.0 348.8

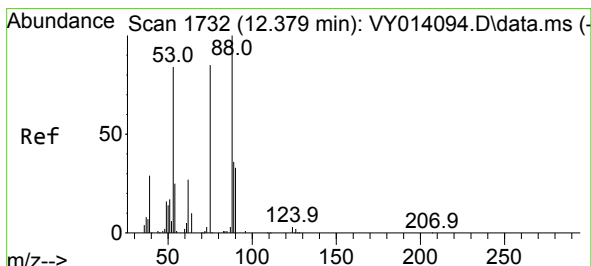
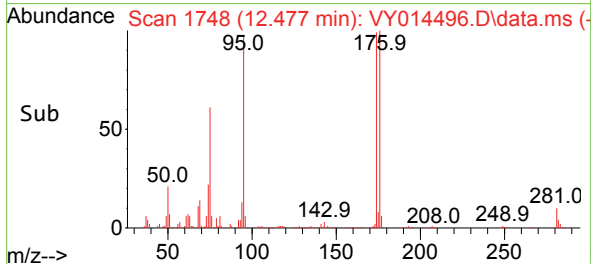
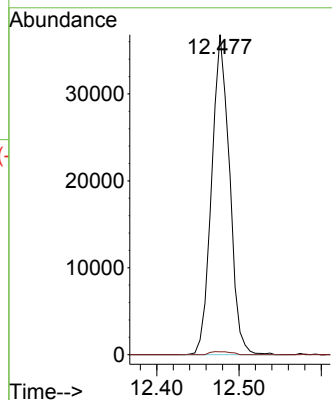
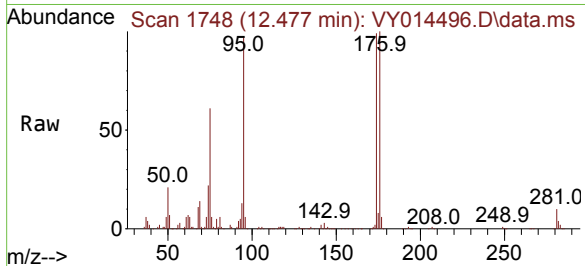




#76
1,2,3-Trichloropropane
Concen: 41.820 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014496.D
Acq: 29 Jun 2023 15:15

Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-TOPSOIL-006

Tgt Ion: 75 Resp: 55712
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.211 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014496.D
Acq: 29 Jun 2023 15:15

Tgt Ion: 75 Resp: 55712
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

