

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062923\
 Data File : VY014505.D
 Acq On : 29 Jun 2023 18:48
 Operator : KP/MD
 Sample : 03473-11
 Misc : 5.39g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-TOPSOIL-016

Quant Time: Jun 30 04:12:22 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)

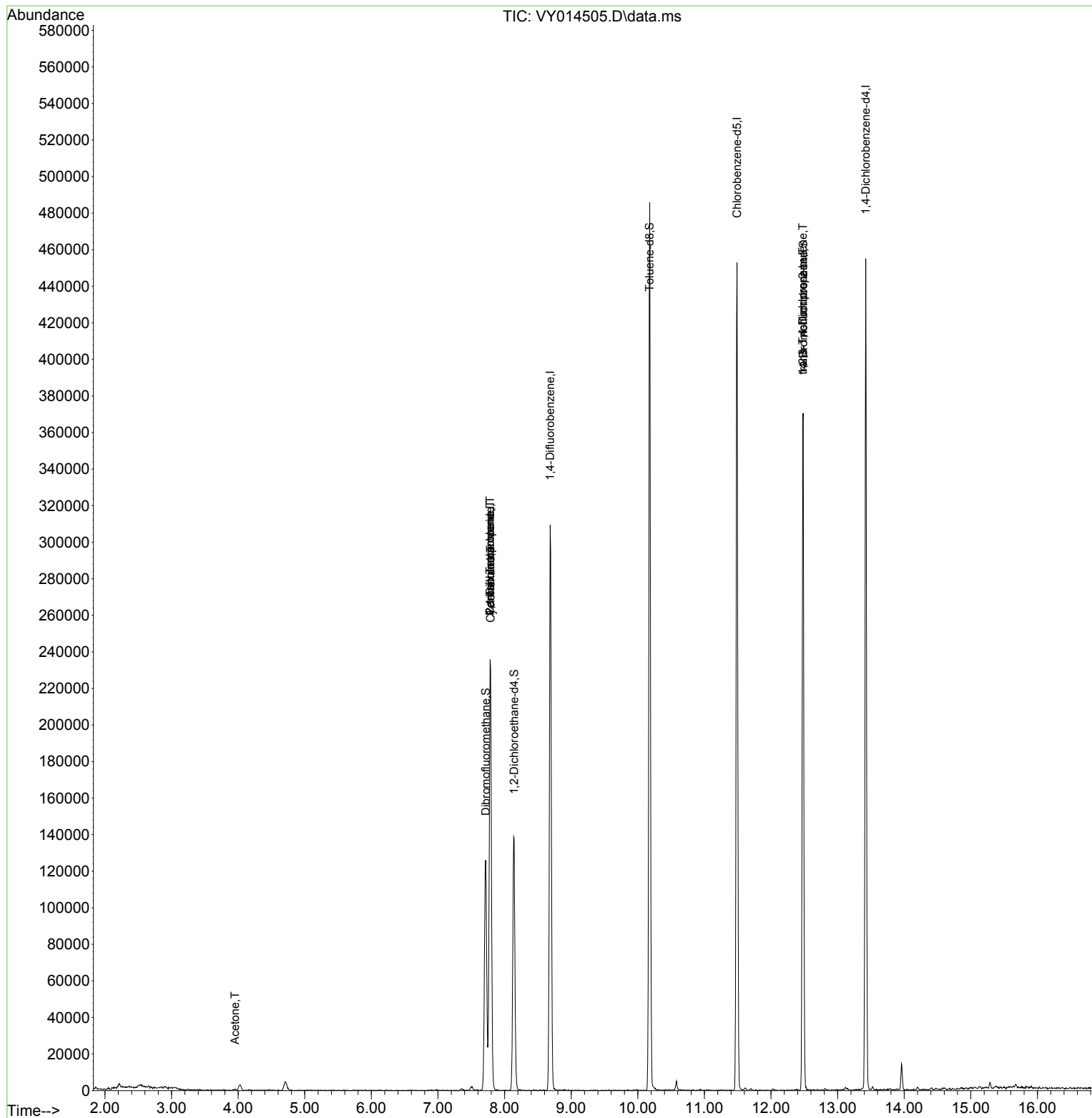
Internal Standards						
1) Pentafluorobenzene	7.783	168	188473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	260859	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	247145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	118099	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	132945	56.813	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.620%
35) Dibromofluoromethane	7.716	113	80280	49.813	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.620%
50) Toluene-d8	10.179	98	306134	47.785	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.580%
62) 4-Bromofluorobenzene	12.483	95	94768	41.435	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.880%
Target Compounds						
11) Tert butyl alcohol	4.972	59	139	Below Cal	#	89
16) Acetone	3.954	43	972	1.320	ug/l #	82
20) Methylene Chloride	4.704	84	3861	Below Cal	#	79
31) Cyclohexane	7.789	56	3664	1.268	ug/l #	20
36) 1,1-Dichloropropene	7.783	75	12147	4.891	ug/l #	53
38) Carbon Tetrachloride	7.783	117	19215	6.148	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	57796	39.013	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	57796	88.820	ug/l #	11

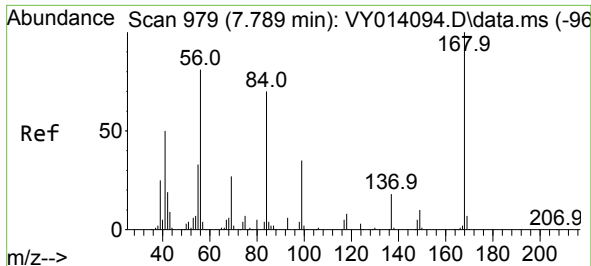
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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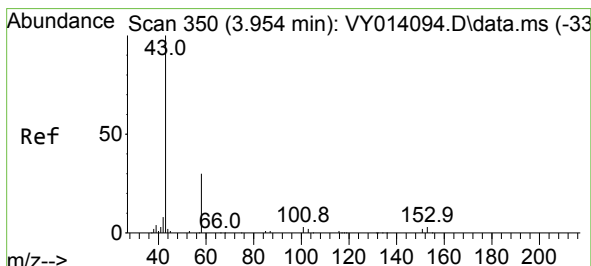
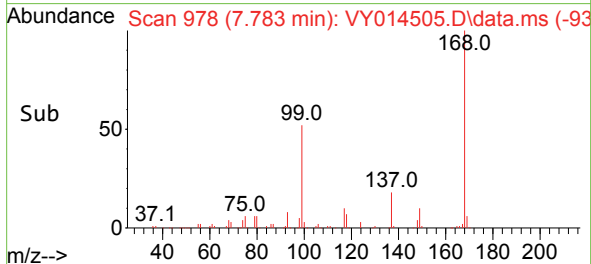
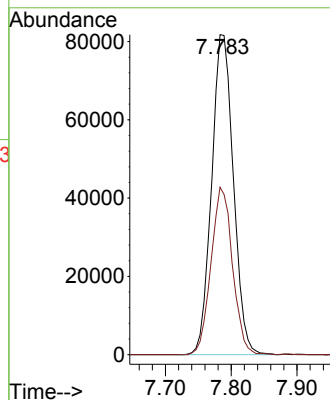
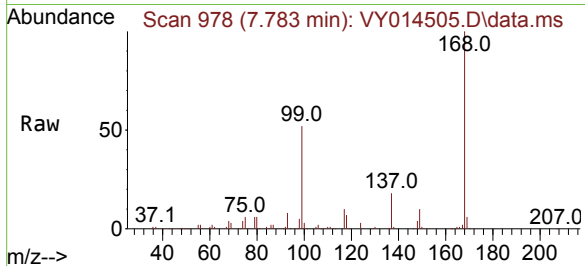




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014505.D
Acq: 29 Jun 2023 18:48

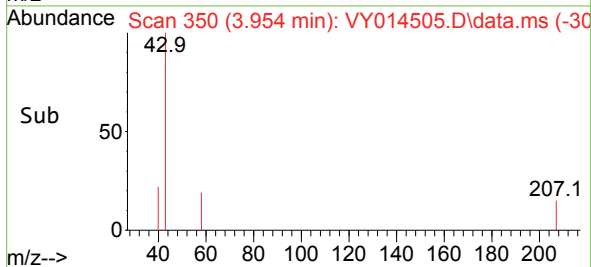
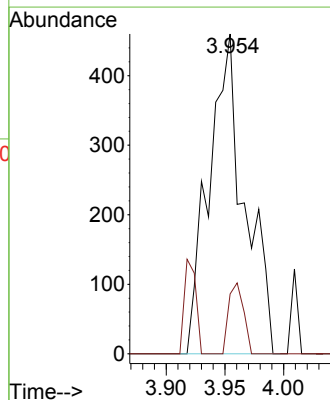
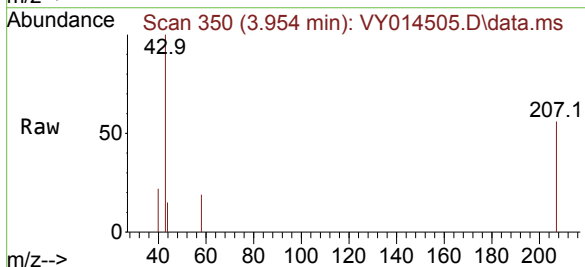
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-TOPSOIL-016

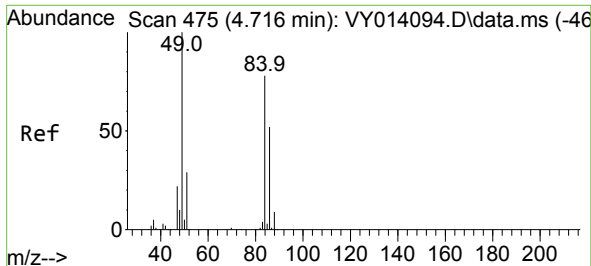
Tgt Ion:168 Resp: 188473
Ion Ratio Lower Upper
168 100
99 52.3 43.4 65.0



#16
Acetone
Concen: 1.320 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY014505.D
Acq: 29 Jun 2023 18:48

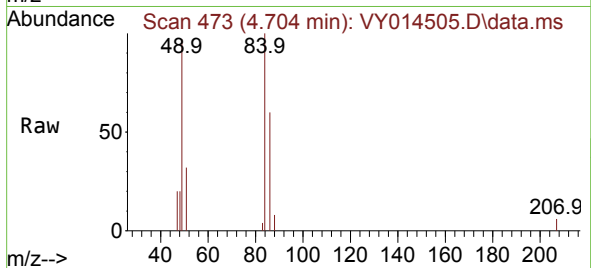
Tgt Ion: 43 Resp: 972
Ion Ratio Lower Upper
43 100
58 18.7 22.7 34.1#



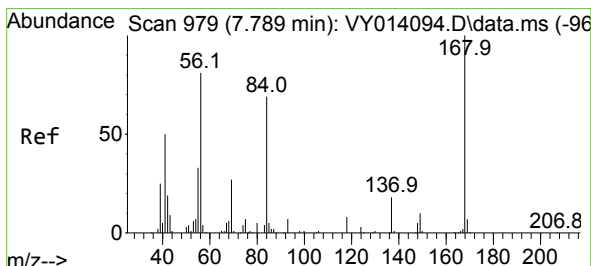
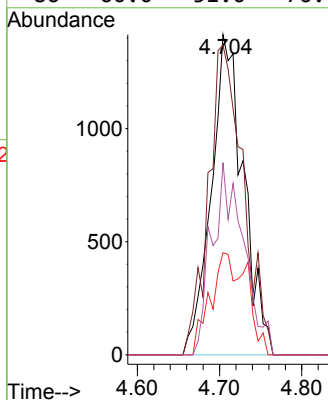
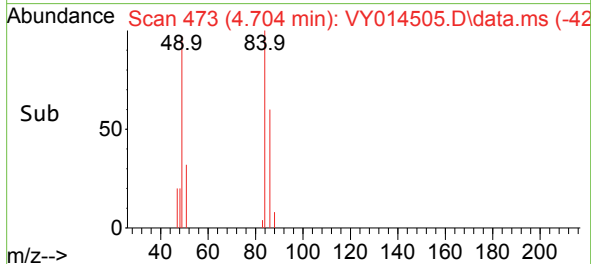


#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY014505.D
Acq: 29 Jun 2023 18:48

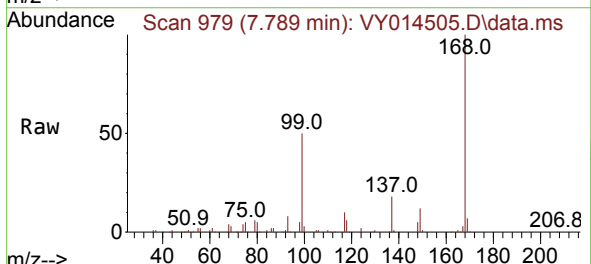
Instrument :
MSVOA_Y
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CMC-EME-TOPSOIL-016



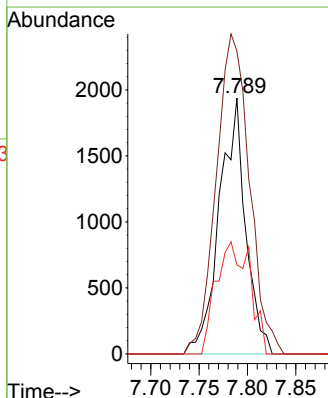
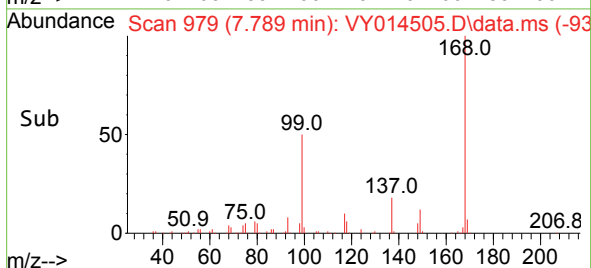
Tgt Ion: 84 Resp: 3861
Ion Ratio Lower Upper
84 100
49 96.7 106.9 160.3#
51 31.9 33.2 49.8#
86 60.0 51.0 76.6

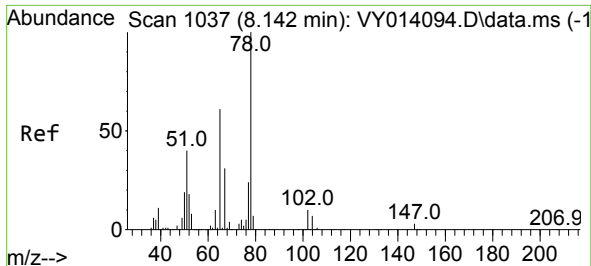


#31
Cyclohexane
Concen: 1.268 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY014505.D
Acq: 29 Jun 2023 18:48



Tgt Ion: 56 Resp: 3664
Ion Ratio Lower Upper
56 100
69 118.4 27.8 41.6#
84 34.8 66.4 99.6#

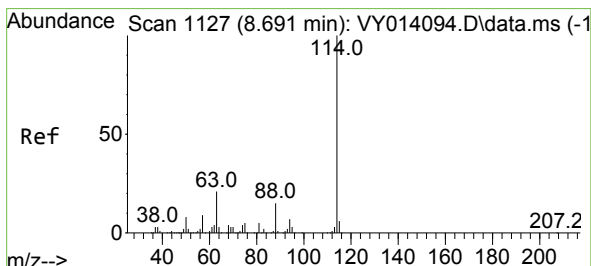
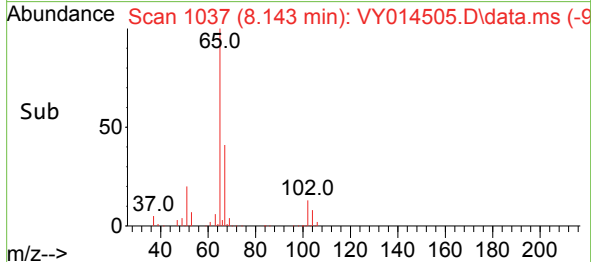
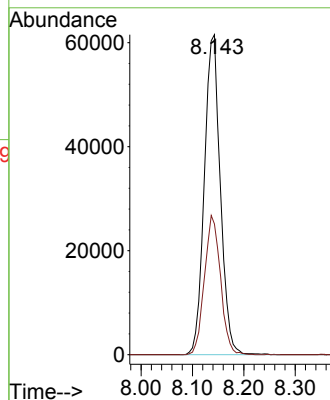
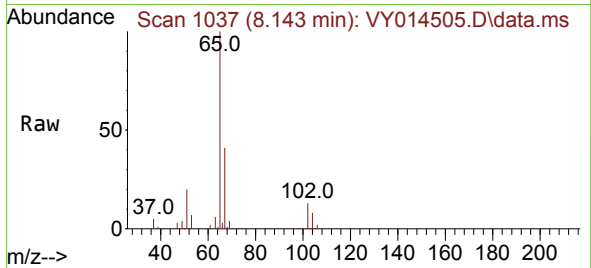




#33
1,2-Dichloroethane-d4
Concen: 56.813 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY014505.D
Acq: 29 Jun 2023 18:48

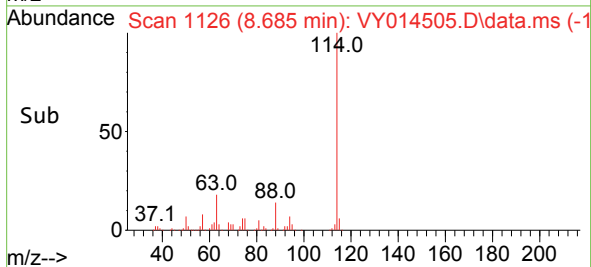
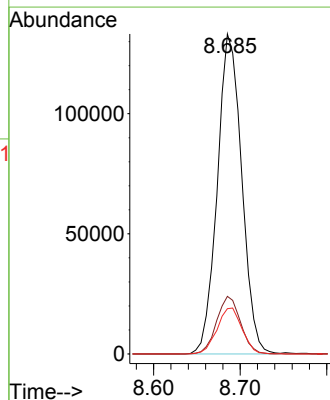
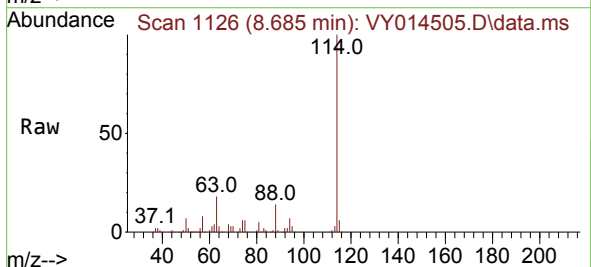
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-TOPSOIL-016

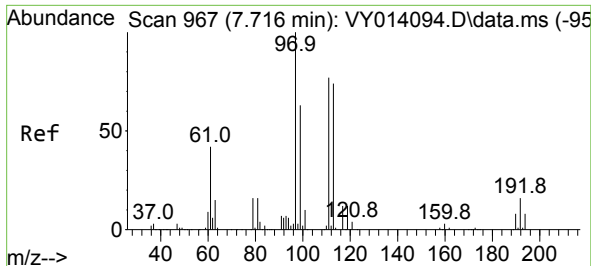
Tgt Ion: 65 Resp: 132945
Ion Ratio Lower Upper
65 100
67 43.7 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY014505.D
Acq: 29 Jun 2023 18:48

Tgt Ion:114 Resp: 260859
Ion Ratio Lower Upper
114 100
63 18.0 0.0 42.4
88 14.2 0.0 30.6

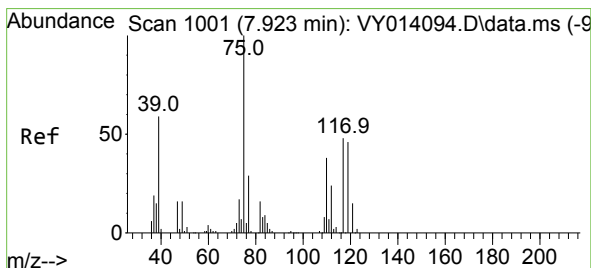
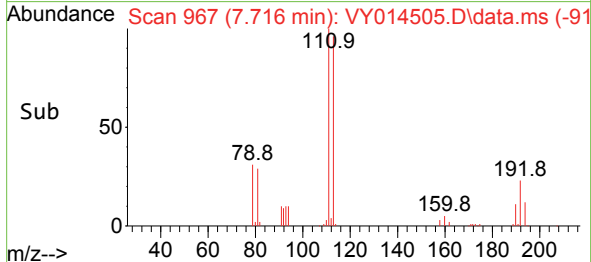
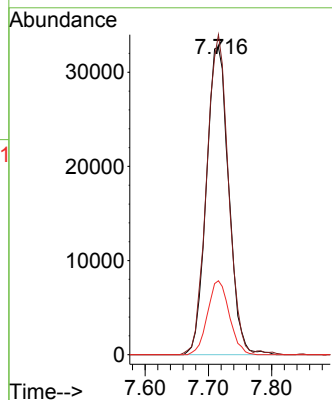
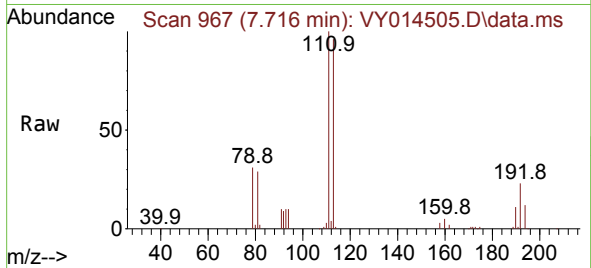




#35
Dibromofluoromethane
Concen: 49.813 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014505.D
Acq: 29 Jun 2023 18:48

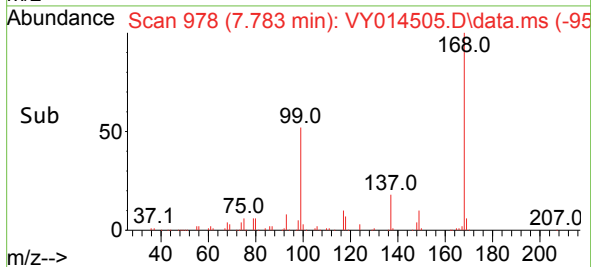
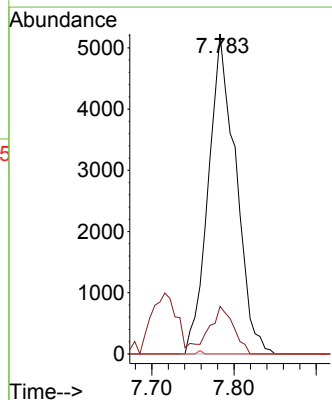
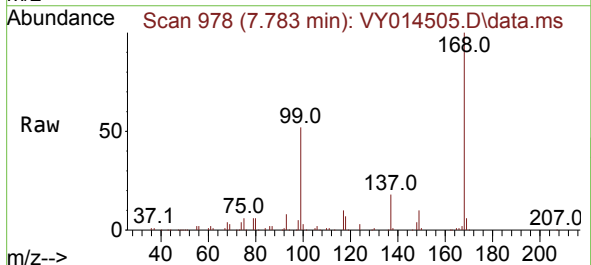
Instrument :
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ClientSampleId :
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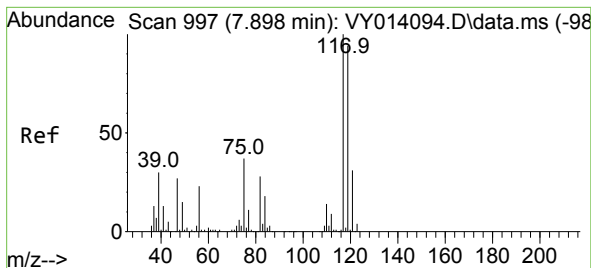
Tgt Ion:113 Resp: 80280
Ion Ratio Lower Upper
113 100
111 101.3 81.3 121.9
192 23.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.891 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014505.D
Acq: 29 Jun 2023 18:48

Tgt Ion: 75 Resp: 12147
Ion Ratio Lower Upper
75 100
110 12.7 17.8 53.5#
77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 6.148 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.115 min

Lab File: VY014505.D

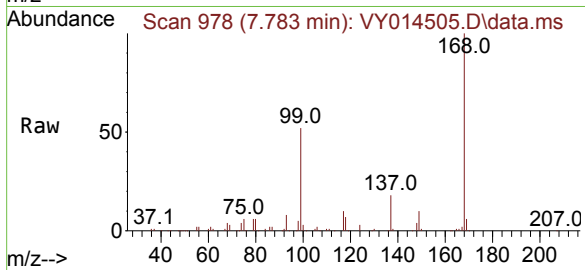
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Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-TOPSOIL-016



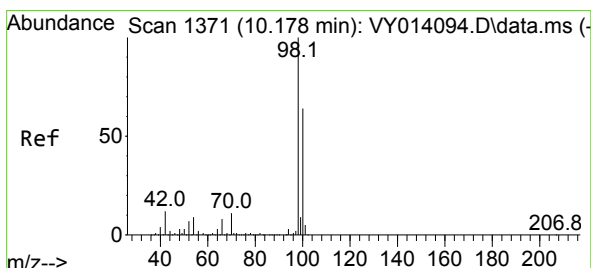
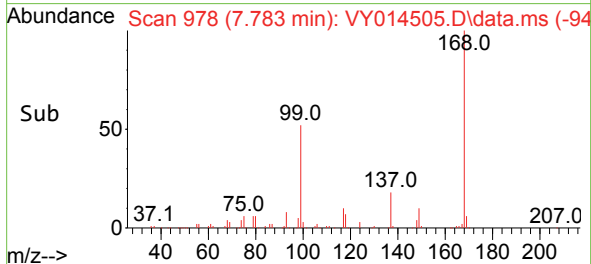
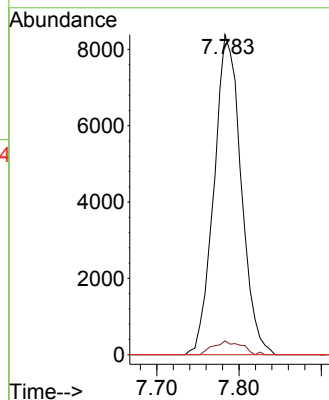
Tgt Ion:117 Resp: 19215

Ion Ratio Lower Upper

117 100

119 4.3 76.4 114.6#

121 0.0 25.8 38.6#



#50

Toluene-d8

Concen: 47.785 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.001 min

Lab File: VY014505.D

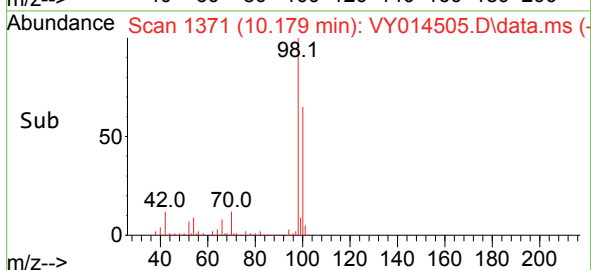
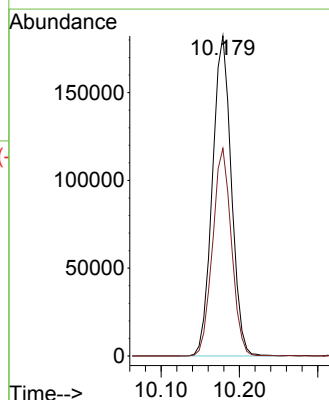
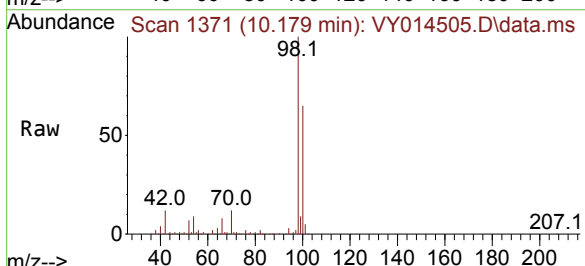
Acq: 29 Jun 2023 18:48

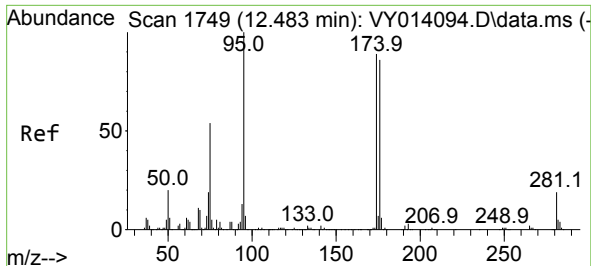
Tgt Ion: 98 Resp: 306134

Ion Ratio Lower Upper

98 100

100 64.5 50.1 75.1

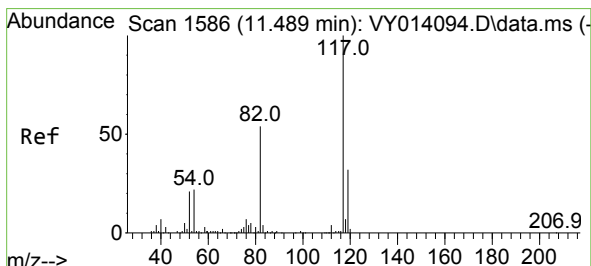
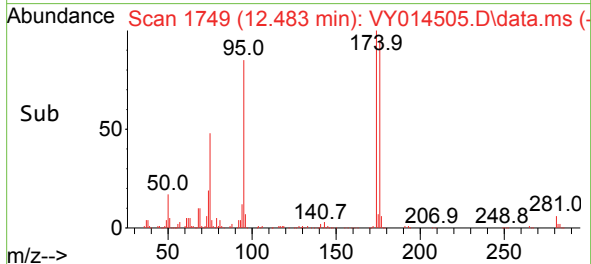
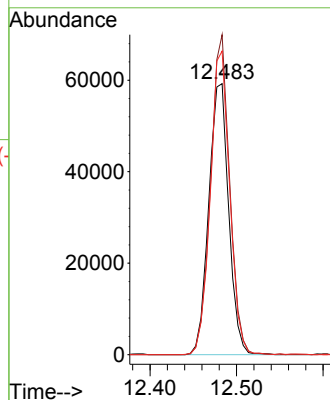
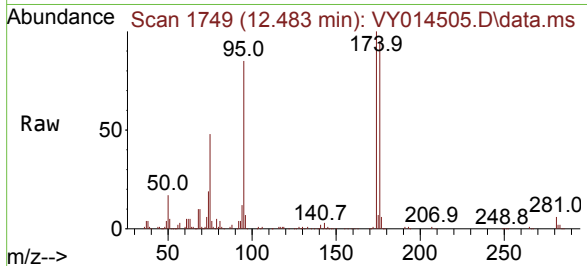




#62
4-Bromofluorobenzene
Concen: 41.435 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014505.D
Acq: 29 Jun 2023 18:48

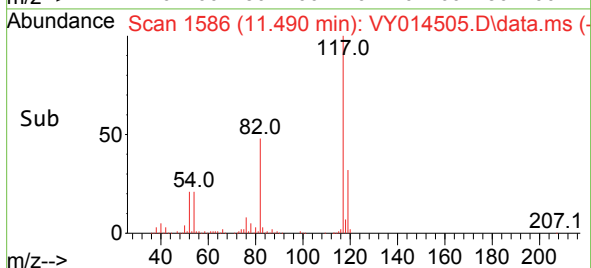
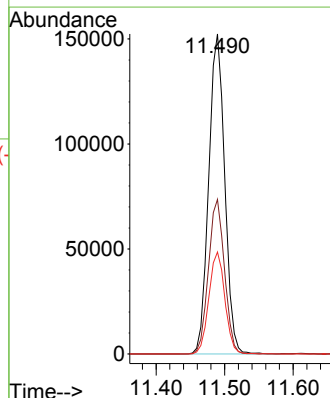
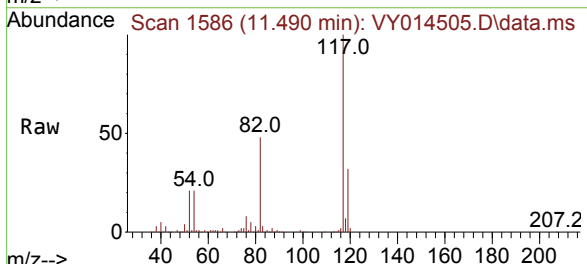
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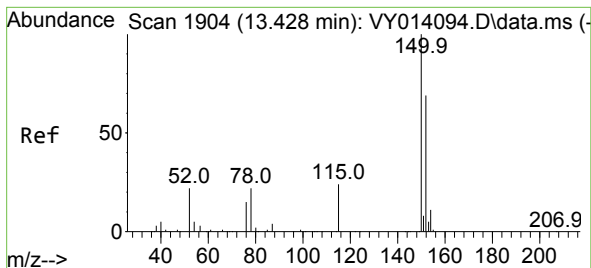
Tgt Ion: 95 Resp: 94768
Ion Ratio Lower Upper
95 100
174 113.0 0.0 178.2
176 109.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014505.D
Acq: 29 Jun 2023 18:48

Tgt Ion: 117 Resp: 247145
Ion Ratio Lower Upper
117 100
82 48.3 43.4 65.0
119 31.9 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY014505.D

Acq: 29 Jun 2023 18:48

Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-TOPSOIL-016

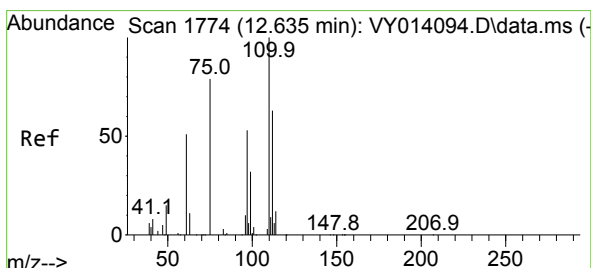
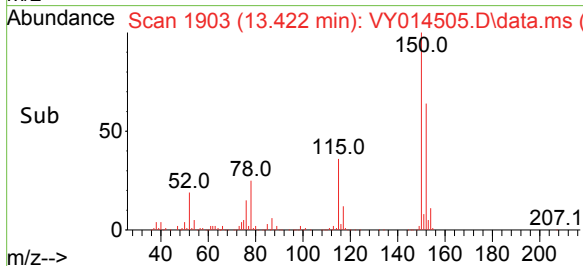
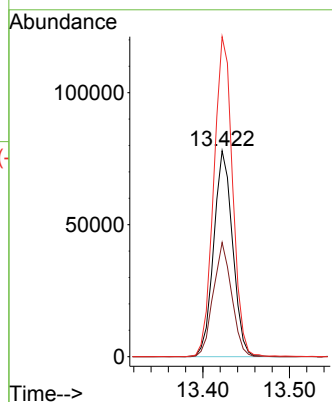
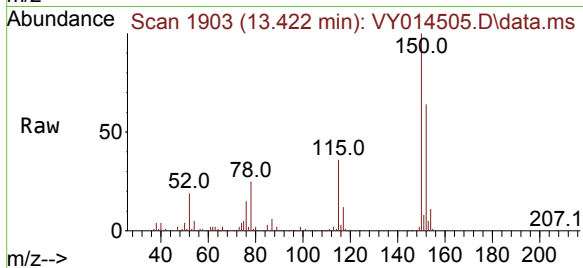
Tgt Ion:152 Resp: 118099

Ion Ratio Lower Upper

152 100

115 54.2 28.8 86.5

150 155.0 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 39.013 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014505.D

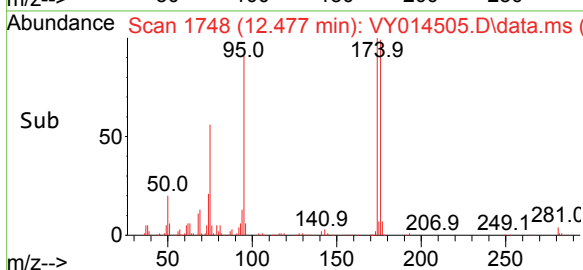
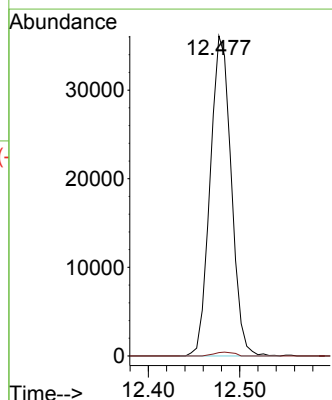
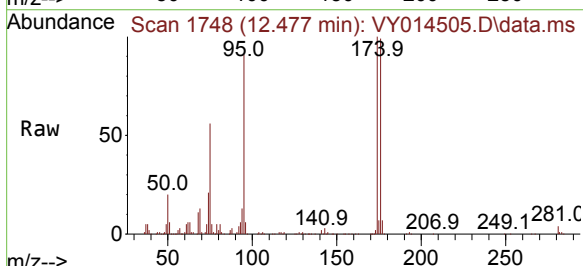
Acq: 29 Jun 2023 18:48

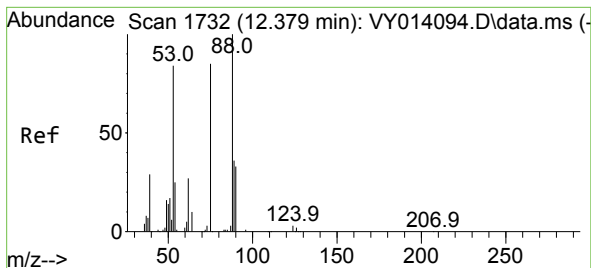
Tgt Ion: 75 Resp: 57796

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.820 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014505.D
 Acq: 29 Jun 2023 18:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-TOPSOIL-016

Tgt Ion: 75 Resp: 57796
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.0 37.4 56.0#

