

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061323\
 Data File : VY014140.D
 Acq On : 13 Jun 2023 15:29
 Operator : KP/MD
 Sample : 03141-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-Topsoil-003

Quant Time: Jun 14 01:36:02 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)

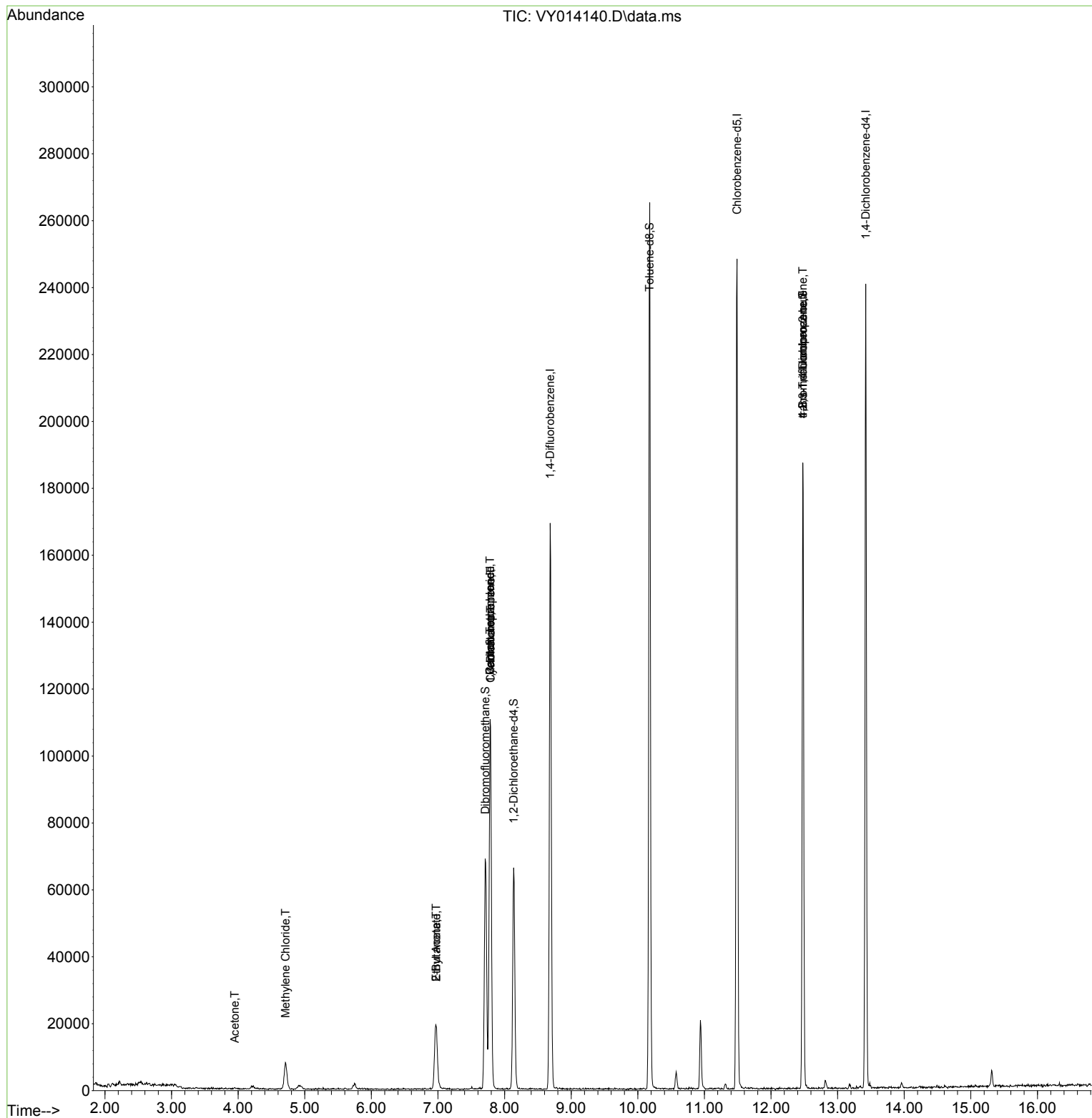
Internal Standards						
1) Pentafluorobenzene	7.783	168	88269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	140779	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	137972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	59741	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	54917	44.678	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.360%
35) Dibromofluoromethane	7.710	113	46949	47.025	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.060%
50) Toluene-d8	10.179	98	171831	46.036	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.080%
62) 4-Bromofluorobenzene	12.477	95	52523	39.613	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.220%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	1442	Below Cal	#	89
16) Acetone	3.948	43	404	1.090	ug/l #	46
20) Methylene Chloride	4.710	84	5744	1.369	ug/l #	87
25) 2-Butanone	6.972	43	1181	2.589	ug/l #	49
31) Cyclohexane	7.789	56	2262	1.374	ug/l #	41
36) 1,1-Dichloropropene	7.789	75	7186	4.617	ug/l #	51
37) Ethyl Acetate	6.972	43	1181	1.100	ug/l #	1
38) Carbon Tetrachloride	7.783	117	8665	4.824	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	28520	36.387	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	28520	78.655	ug/l #	11

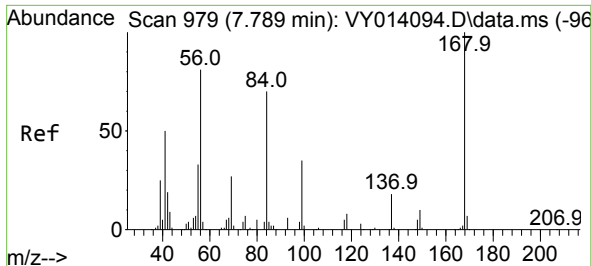
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061323\
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Quant Title : SW846 8260
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Response via : Initial Calibration

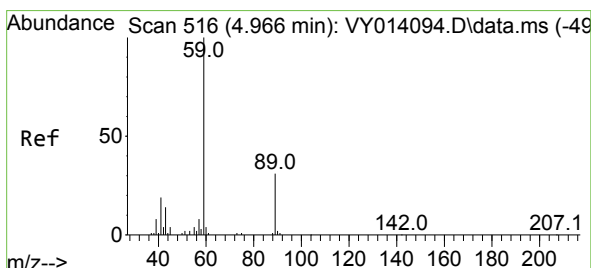
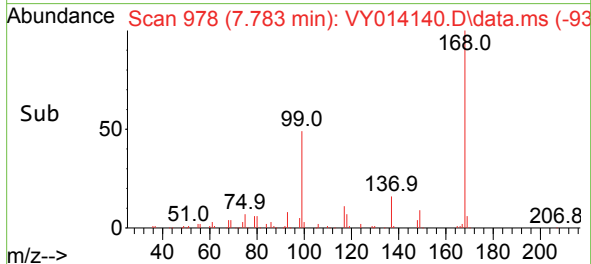
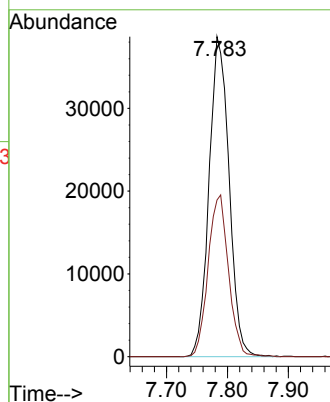
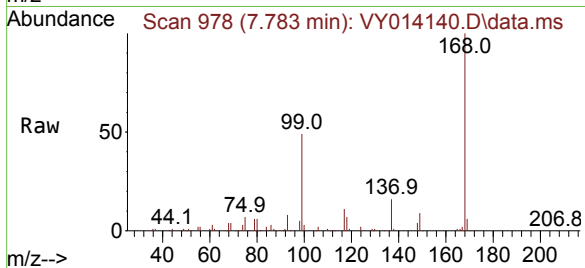




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014140.D
Acq: 13 Jun 2023 15:29

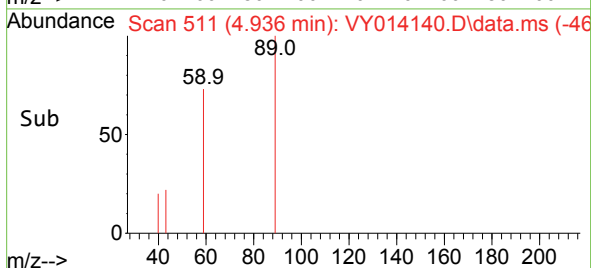
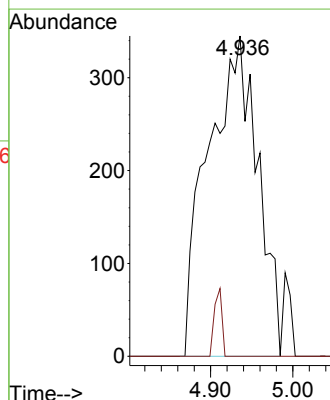
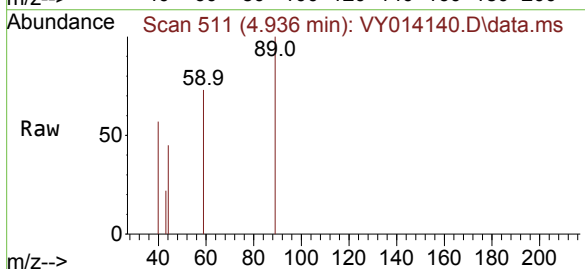
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-Topsoil-003

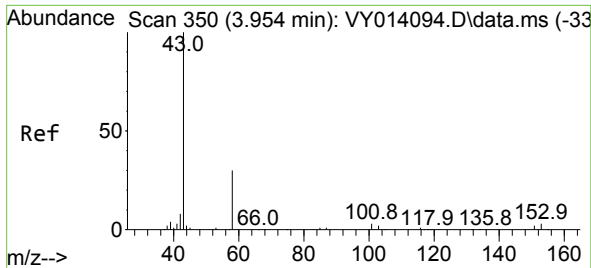
Tgt Ion:168 Resp: 88269
Ion Ratio Lower Upper
168 100
99 49.0 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.030 min
Lab File: VY014140.D
Acq: 13 Jun 2023 15:29

Tgt Ion: 59 Resp: 1442
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

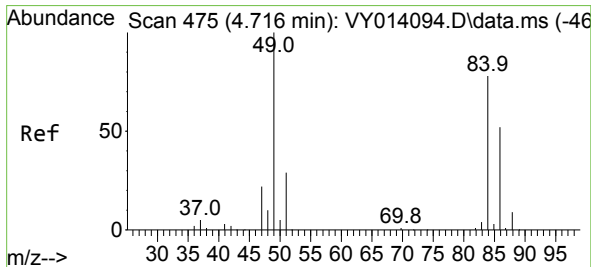
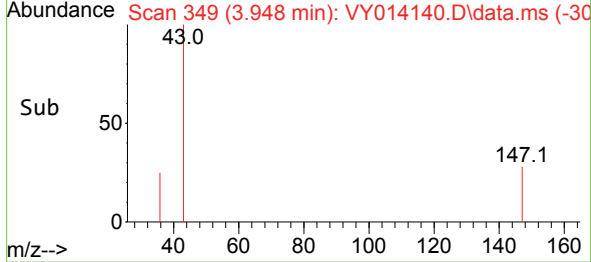
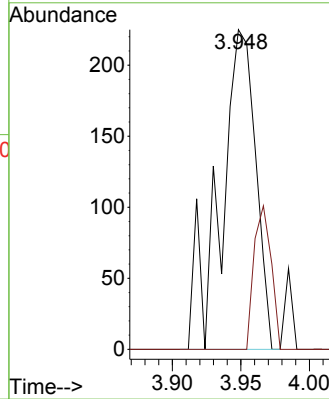
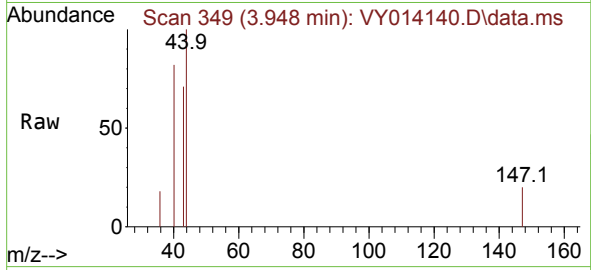




#16
Acetone
Concen: 1.090 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014140.D
Acq: 13 Jun 2023 15:29

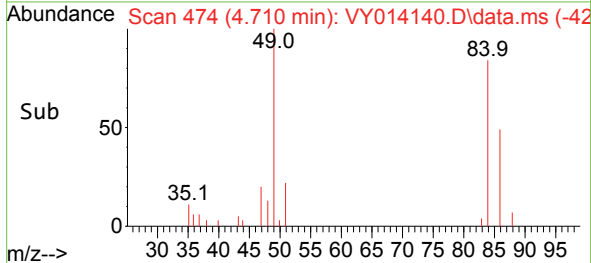
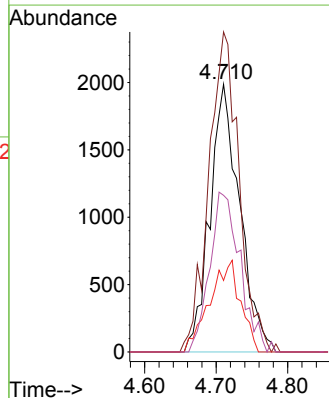
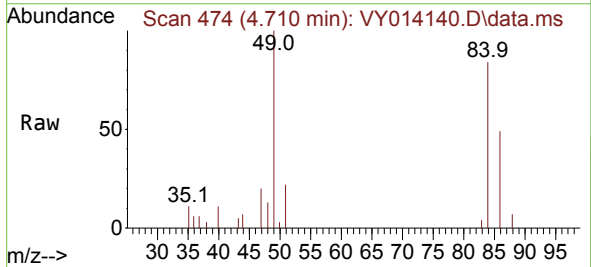
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-Topsoil-003

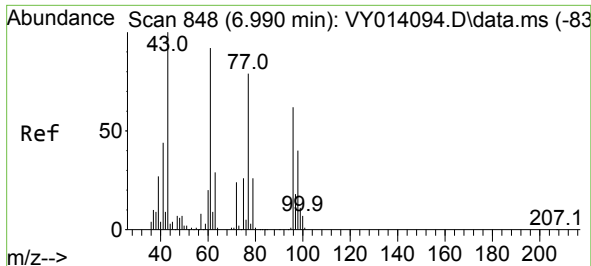
Tgt Ion: 43 Resp: 404
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#20
Methylene Chloride
Concen: 1.369 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY014140.D
Acq: 13 Jun 2023 15:29

Tgt Ion: 84 Resp: 5744
Ion Ratio Lower Upper
84 100
49 119.5 106.9 160.3
51 26.7 33.2 49.8#
86 58.5 51.0 76.6

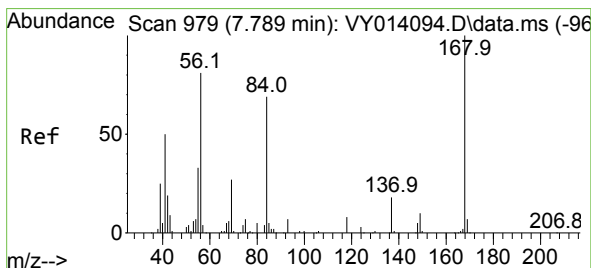
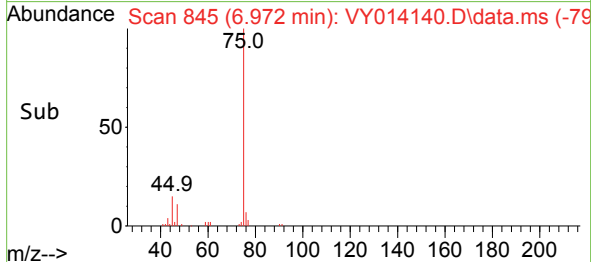
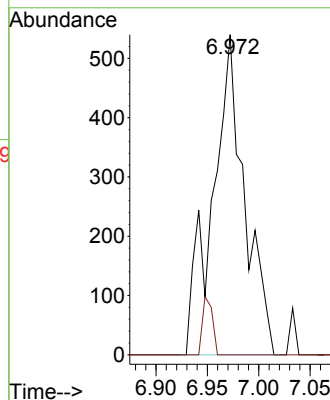
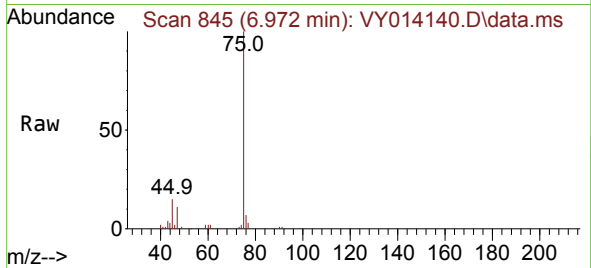




#25
2-Butanone
Concen: 2.589 ug/l
RT: 6.972 min Scan# 848
Delta R.T. -0.018 min
Lab File: VY014140.D
Acq: 13 Jun 2023 15:29

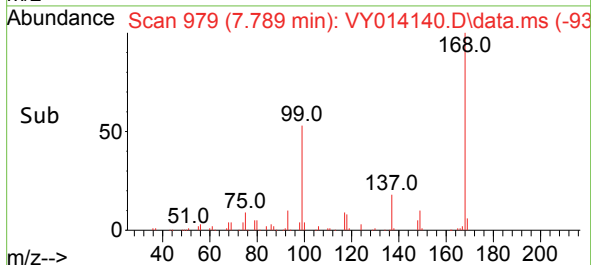
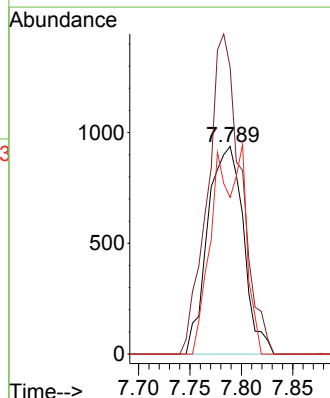
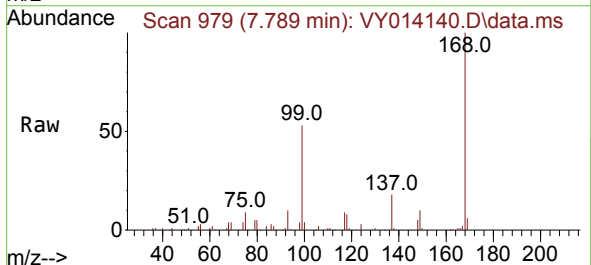
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-Topsoil-003

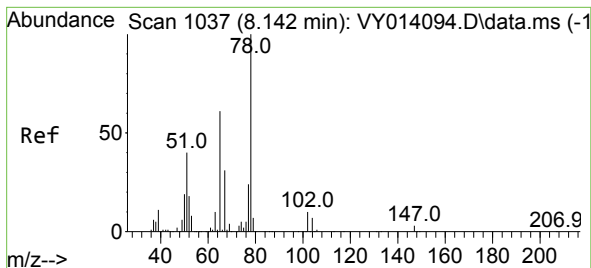
Tgt Ion: 43 Resp: 1181
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#31
Cyclohexane
Concen: 1.374 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY014140.D
Acq: 13 Jun 2023 15:29

Tgt Ion: 56 Resp: 2262
Ion Ratio Lower Upper
56 100
69 138.2 27.8 41.6#
84 75.5 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 44.678 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY014140.D

Acq: 13 Jun 2023 15:29

Instrument :

MSVOA_Y

ClientSampleId :

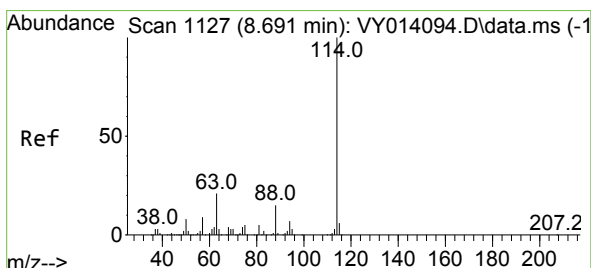
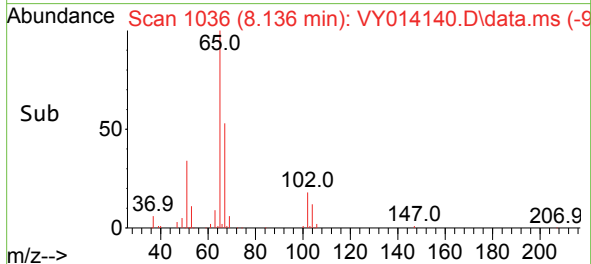
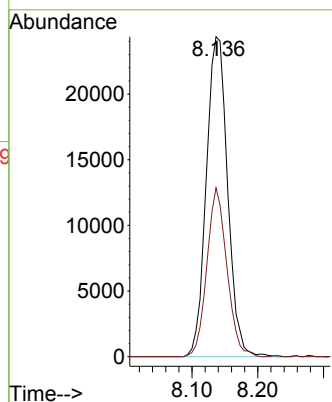
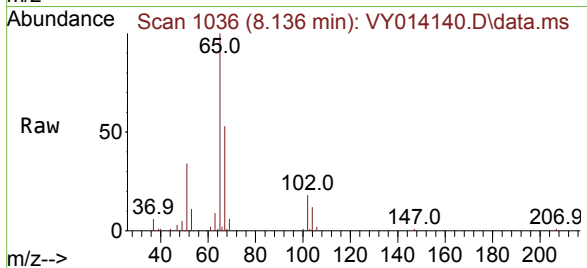
CMC-EME-Topsoil-003

Tgt Ion: 65 Resp: 54917

Ion Ratio Lower Upper

65 100

67 49.5 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: VY014140.D

Acq: 13 Jun 2023 15:29

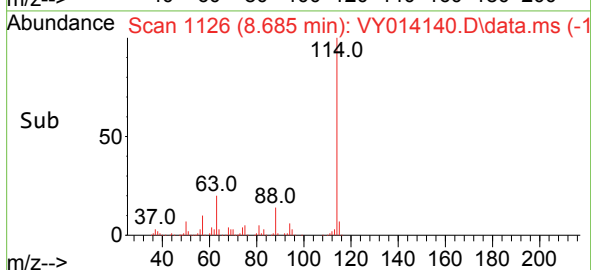
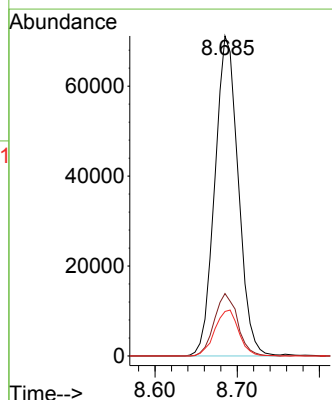
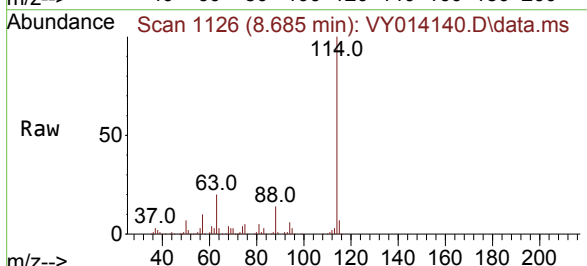
Tgt Ion: 114 Resp: 140779

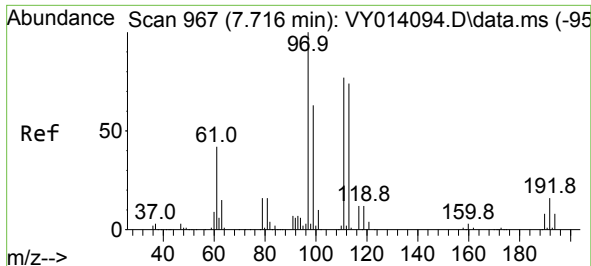
Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 13.9 0.0 30.6

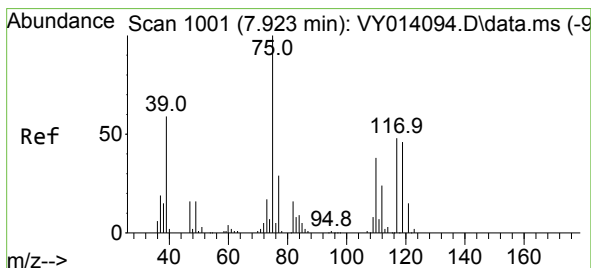
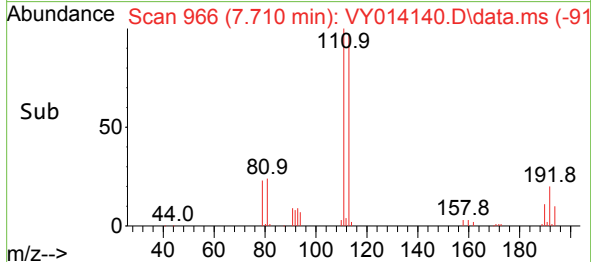
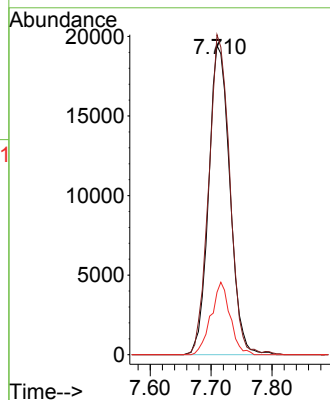
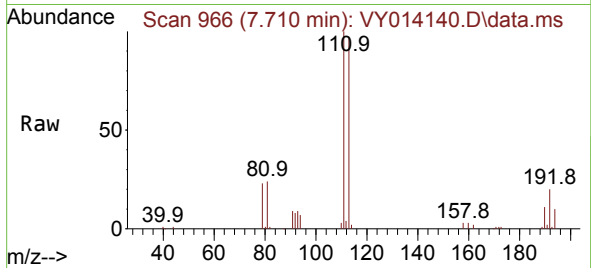




#35
Dibromofluoromethane
Concen: 47.025 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY014140.D
Acq: 13 Jun 2023 15:29

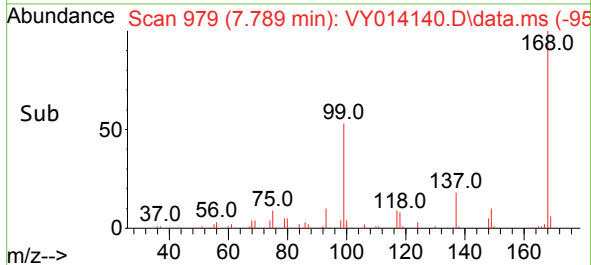
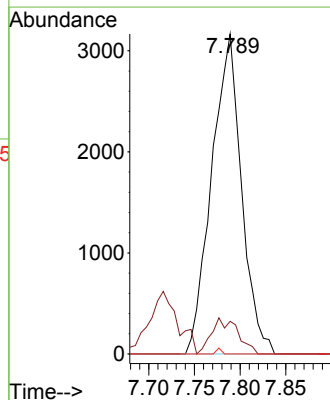
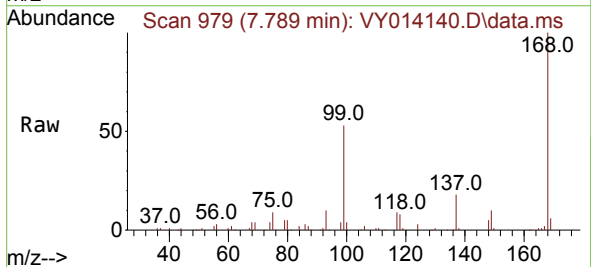
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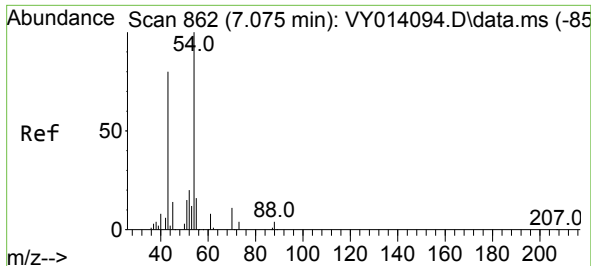
Tgt Ion:113 Resp: 46949
Ion Ratio Lower Upper
113 100
111 102.2 81.3 121.9
192 21.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.617 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014140.D
Acq: 13 Jun 2023 15:29

Tgt Ion: 75 Resp: 7186
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.5#
77 0.3 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.100 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.103 min

Lab File: VY014140.D

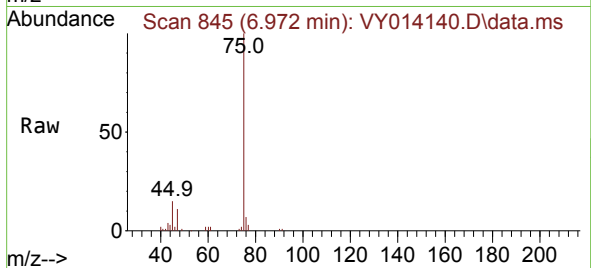
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Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-Topsoil-003



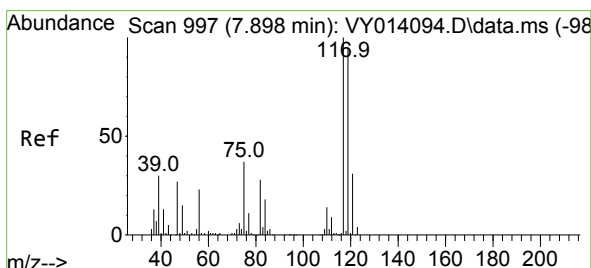
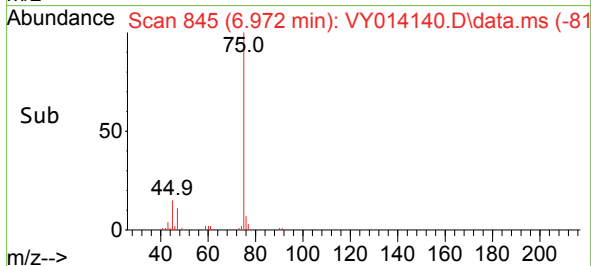
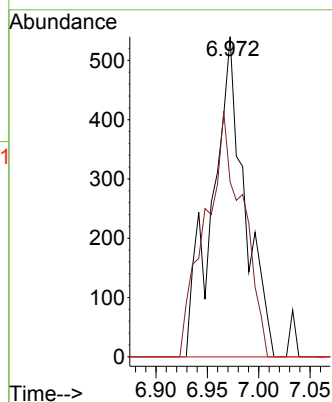
Tgt Ion: 43 Resp: 1181

Ion Ratio Lower Upper

43 100

61 88.3 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 4.824 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.115 min

Lab File: VY014140.D

Acq: 13 Jun 2023 15:29

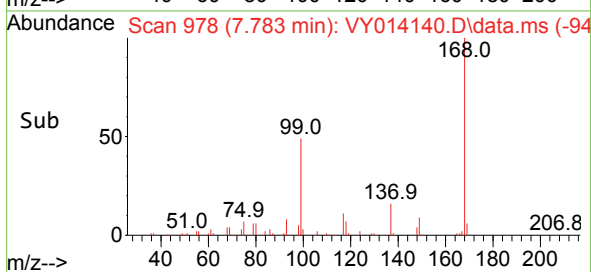
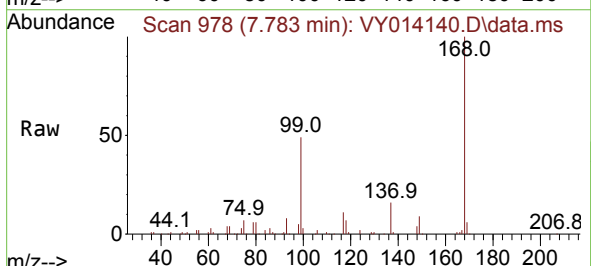
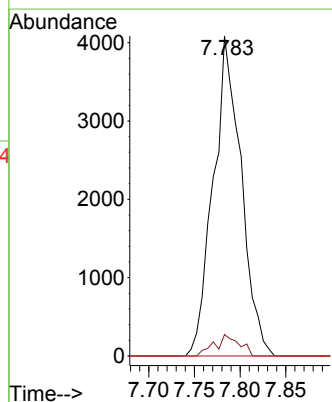
Tgt Ion: 117 Resp: 8665

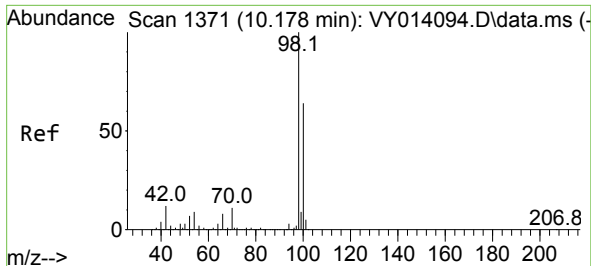
Ion Ratio Lower Upper

117 100

119 6.7 76.4 114.6#

121 0.0 25.8 38.6#

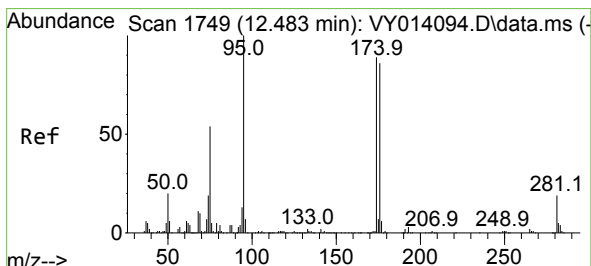
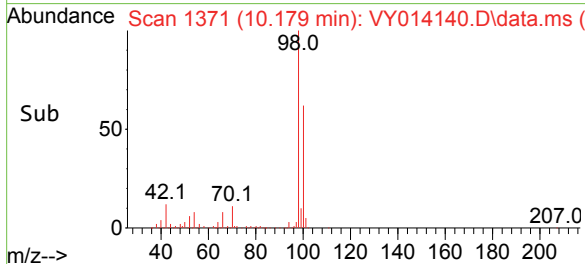
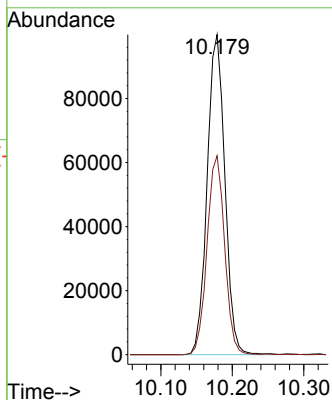
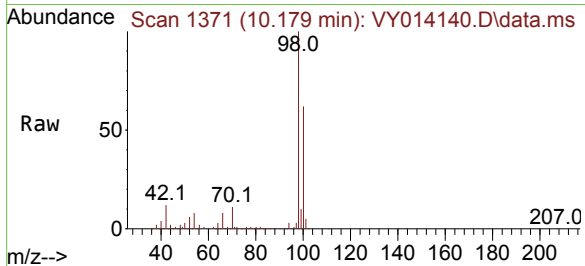




#50
Toluene-d8
Concen: 46.036 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014140.D
Acq: 13 Jun 2023 15:29

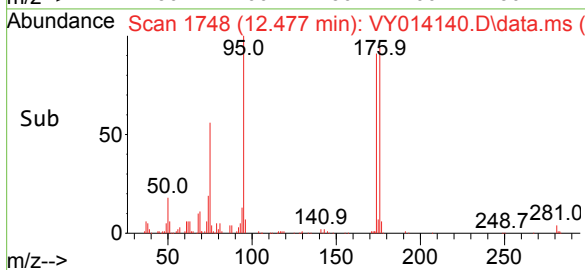
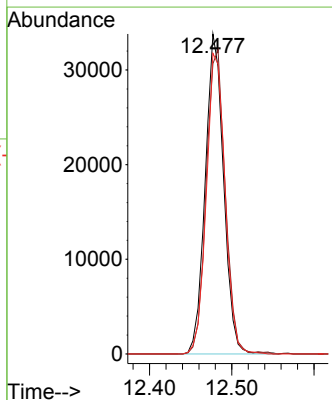
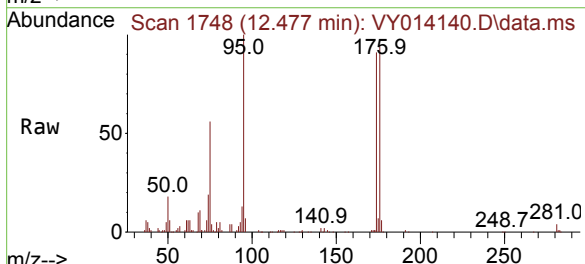
Instrument :
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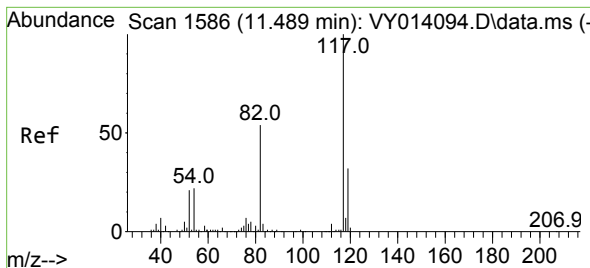
Tgt Ion: 98 Resp: 171831
Ion Ratio Lower Upper
98 100
100 61.7 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 39.613 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014140.D
Acq: 13 Jun 2023 15:29

Tgt Ion: 95 Resp: 52523
Ion Ratio Lower Upper
95 100
174 97.7 0.0 178.2
176 95.5 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: VY014140.D

Acq: 13 Jun 2023 15:29

Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-Topsoil-003

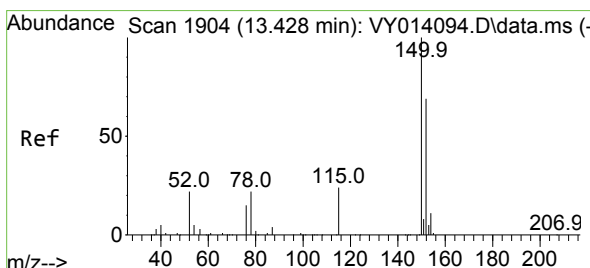
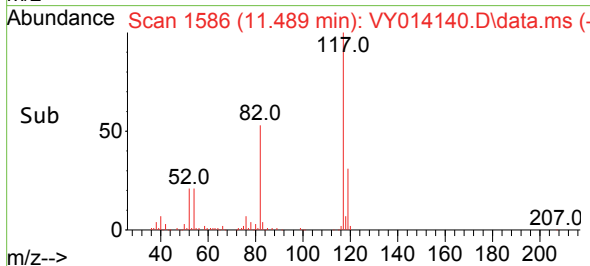
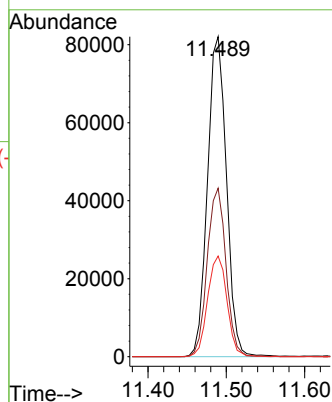
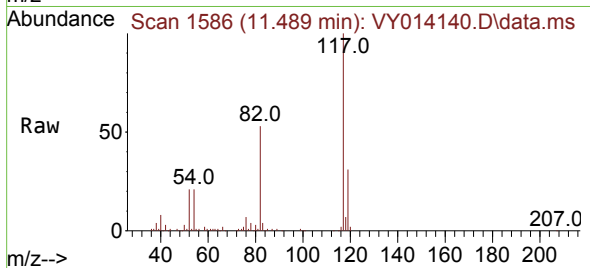
Tgt Ion:117 Resp: 137972

Ion Ratio Lower Upper

117 100

82 52.7 43.4 65.0

119 31.5 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: VY014140.D

Acq: 13 Jun 2023 15:29

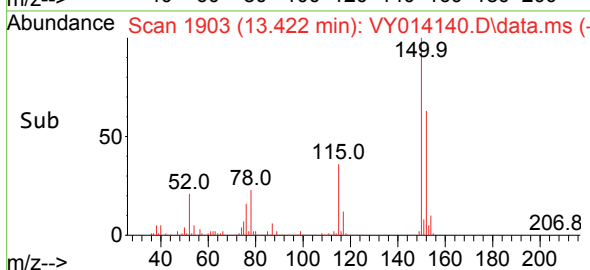
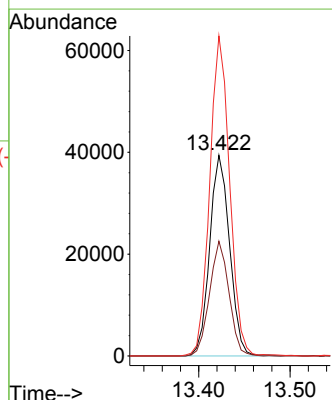
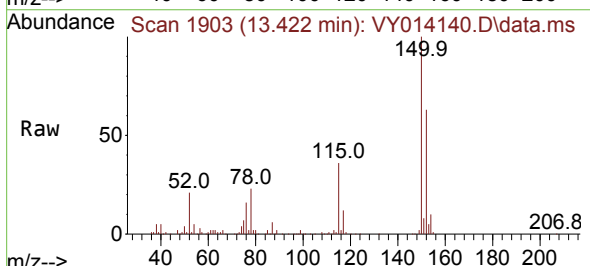
Tgt Ion:152 Resp: 59741

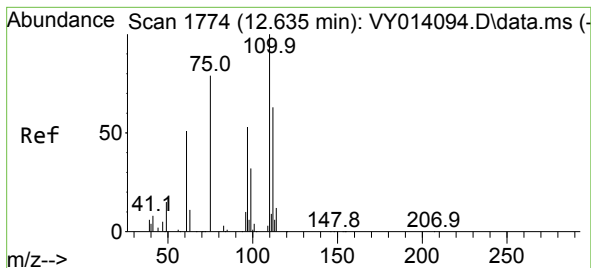
Ion Ratio Lower Upper

152 100

115 55.7 28.8 86.5

150 159.1 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 36.387 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014140.D

Acq: 13 Jun 2023 15:29

Instrument :

MSVOA_Y

ClientSampleId :

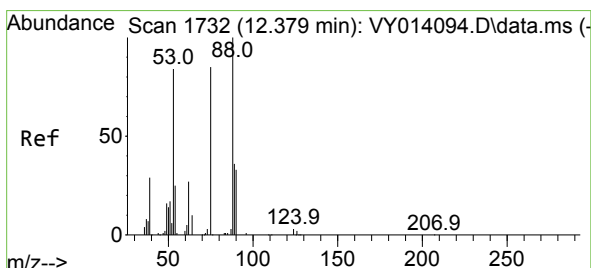
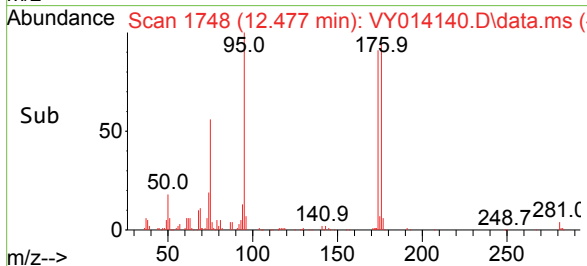
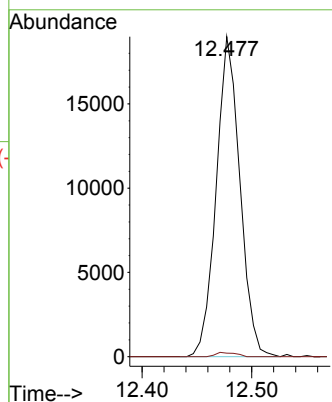
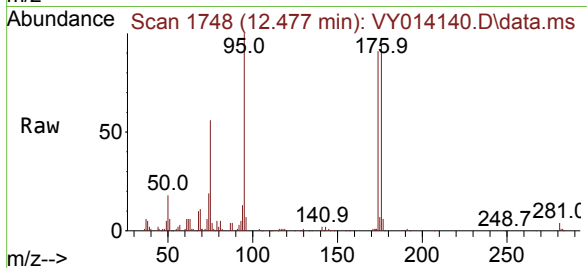
CMC-EME-Topsoil-003

Tgt Ion: 75 Resp: 28520

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.655 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY014140.D

Acq: 13 Jun 2023 15:29

Tgt Ion: 75 Resp: 28520

Ion Ratio Lower Upper

75 100

53 0.3 77.8 116.8#

89 0.0 37.4 56.0#

