

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062923\
 Data File : VY014504.D
 Acq On : 29 Jun 2023 18:24
 Operator : KP/MD
 Sample : 03473-10
 Misc : 5.75g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-TOPSOIL-015

Quant Time: Jun 30 04:12:02 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)

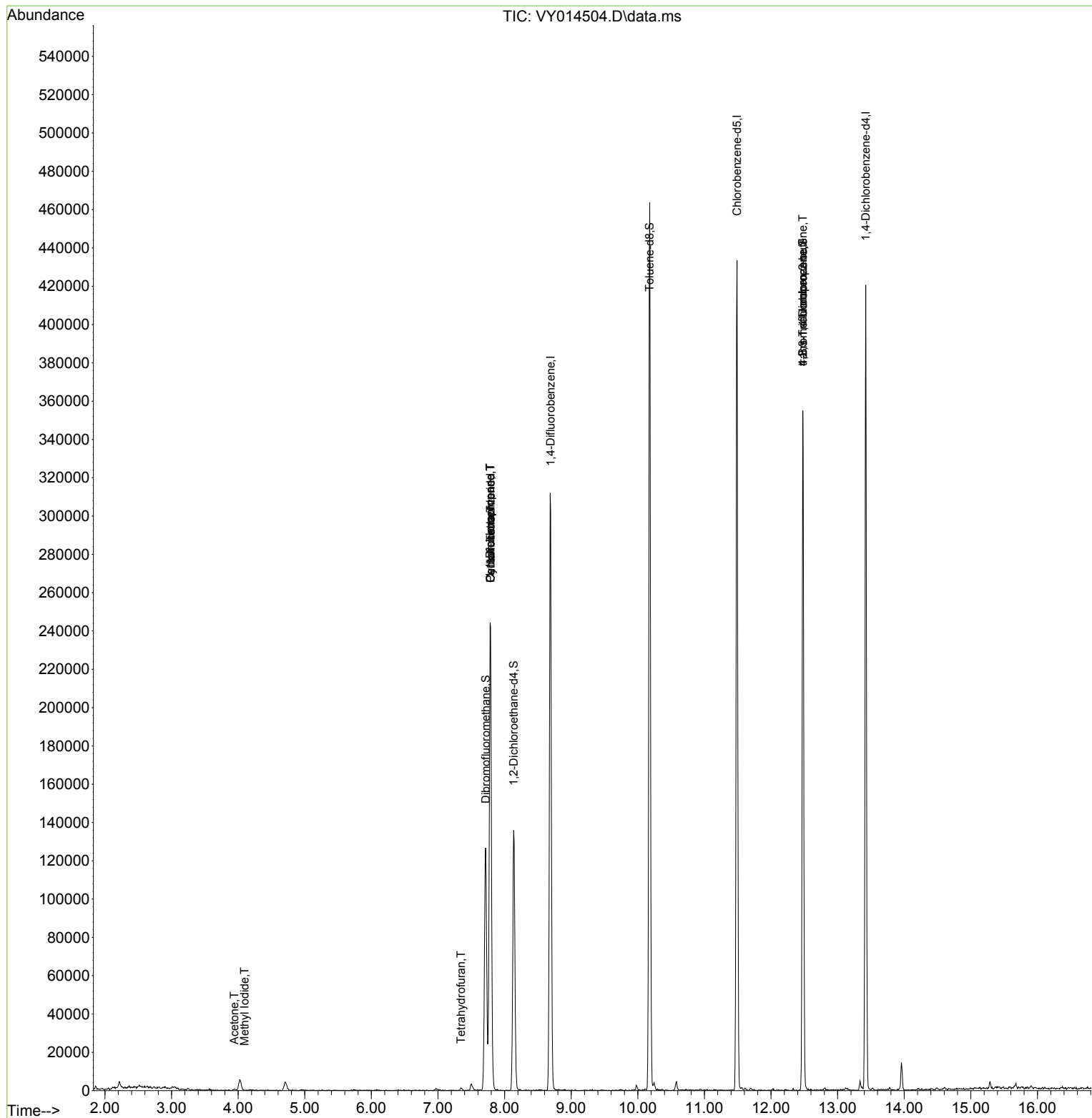
Internal Standards						
1) Pentafluorobenzene	7.789	168	193623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	263027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	232305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	107791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	127424	53.005	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.000%	
35) Dibromofluoromethane	7.716	113	78784	48.481	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.960%	
50) Toluene-d8	10.179	98	302788	46.873	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.740%	
62) 4-Bromofluorobenzene	12.477	95	89179	38.670	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 77.340%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.094	142	56	2.897	ug/l #	38
11) Tert butyl alcohol	4.954	59	385	Below Cal	#	89
16) Acetone	3.942	43	1125	1.487	ug/l #	46
20) Methylene Chloride	4.710	84	3141	Below Cal	#	80
29) Tetrahydrofuran	7.344	42	623	1.109	ug/l #	81
31) Cyclohexane	7.789	56	3925	1.322	ug/l #	22
36) 1,1-Dichloropropene	7.783	75	12483	4.985	ug/l #	54
38) Carbon Tetrachloride	7.789	117	19522	6.195	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	54039	39.965	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	54039	90.988	ug/l #	11

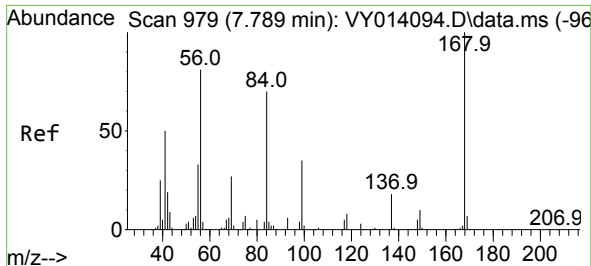
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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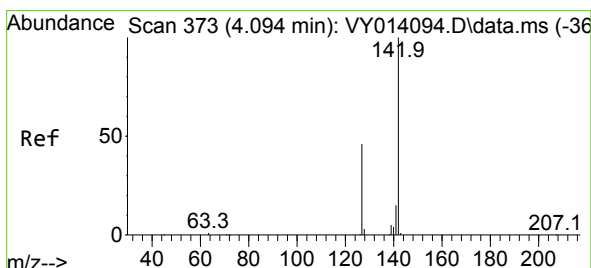
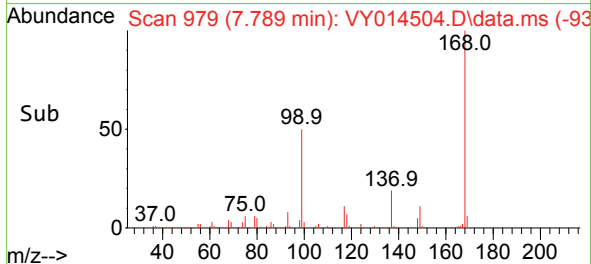
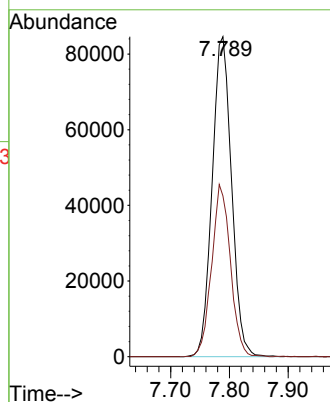
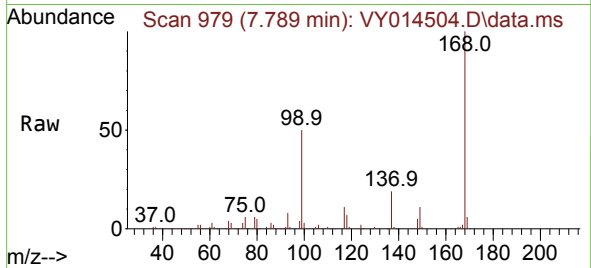




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014504.D
Acq: 29 Jun 2023 18:24

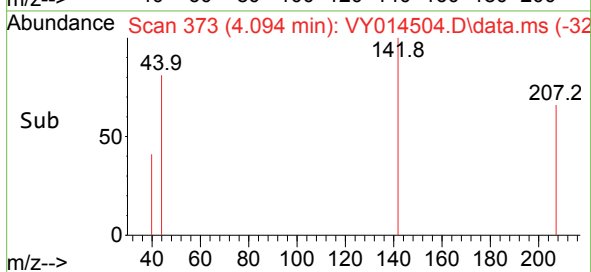
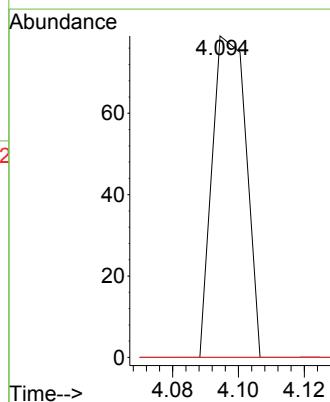
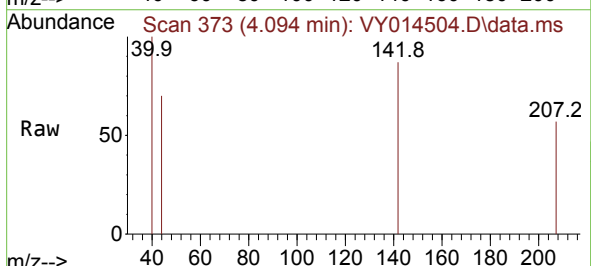
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-TOPSOIL-015

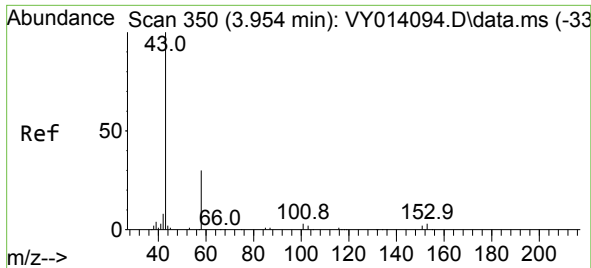
Tgt Ion:168 Resp: 193623
Ion Ratio Lower Upper
168 100
99 50.2 43.4 65.0



#10
Methyl Iodide
Concen: 2.897 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.000 min
Lab File: VY014504.D
Acq: 29 Jun 2023 18:24

Tgt Ion:142 Resp: 56
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 1.487 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.012 min

Lab File: VY014504.D

Acq: 29 Jun 2023 18:24

Instrument :

MSVOA_Y

ClientSampleId :

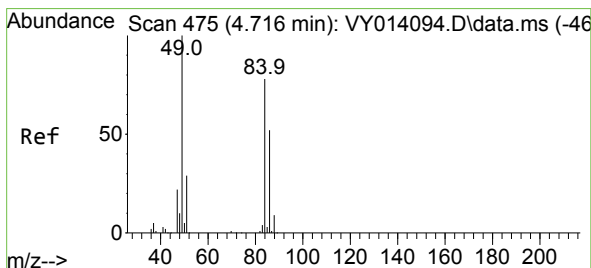
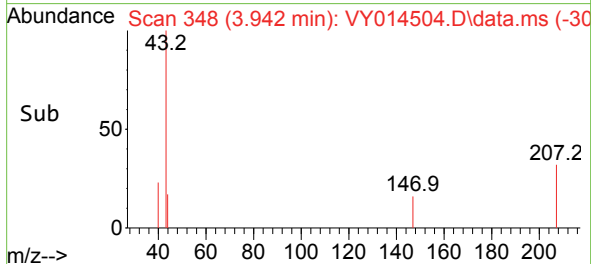
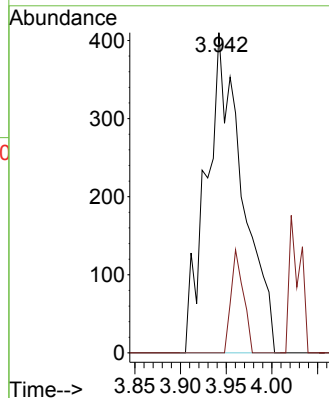
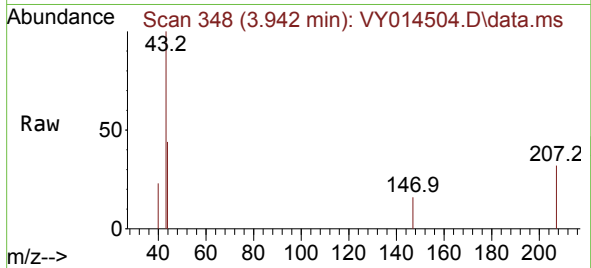
CMC-EME-TOPSOIL-015

Tgt Ion: 43 Resp: 1125

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY014504.D

Acq: 29 Jun 2023 18:24

Tgt Ion: 84 Resp: 3141

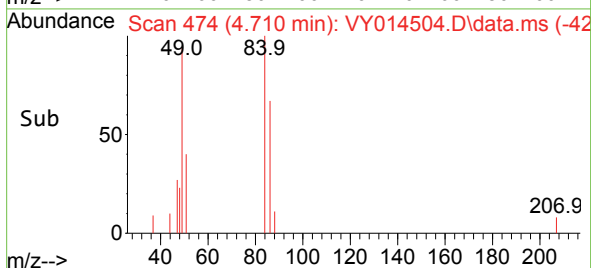
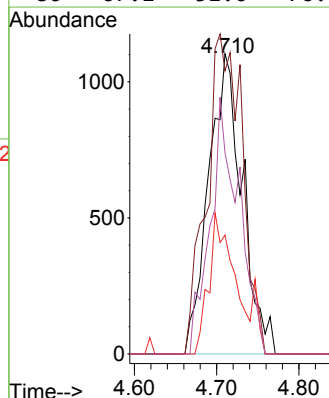
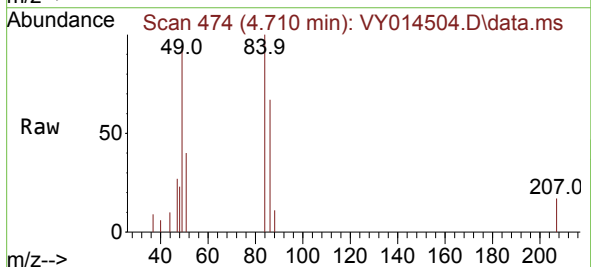
Ion Ratio Lower Upper

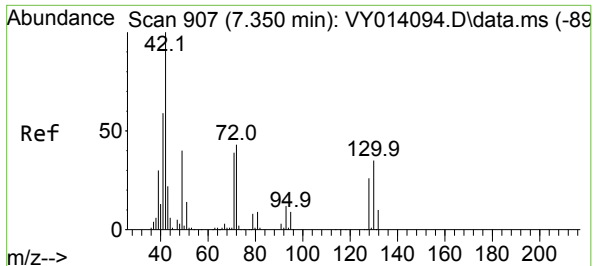
84 100

49 94.3 106.9 160.3#

51 39.6 33.2 49.8

86 67.1 51.0 76.6





#29

Tetrahydrofuran

Concen: 1.109 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.006 min

Lab File: VY014504.D

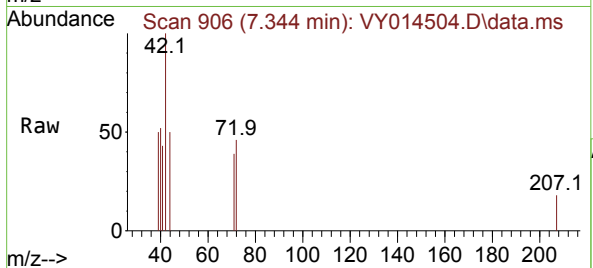
Acq: 29 Jun 2023 18:24

Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-TOPSOIL-015



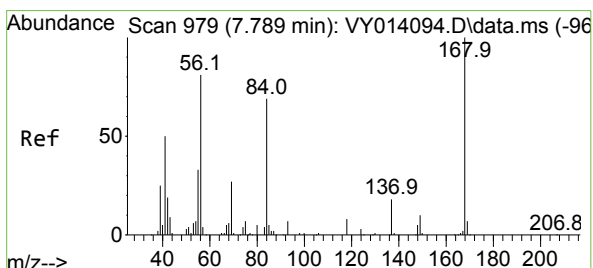
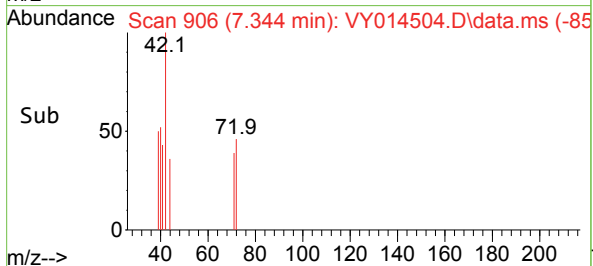
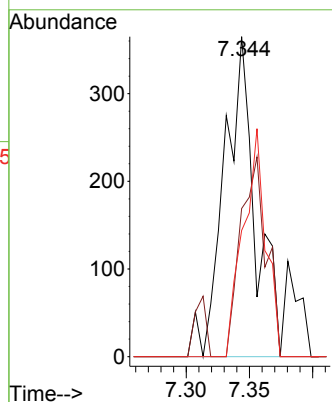
Tgt Ion: 42 Resp: 623

Ion Ratio Lower Upper

42 100

72 51.8 32.8 49.2#

71 51.7 31.0 46.4#



#31

Cyclohexane

Concen: 1.322 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY014504.D

Acq: 29 Jun 2023 18:24

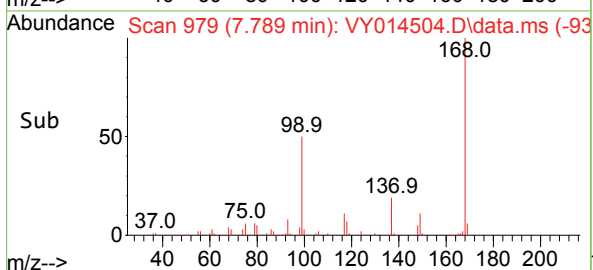
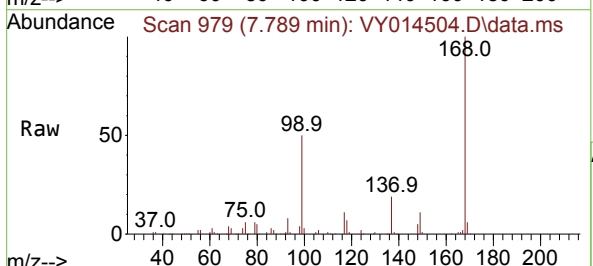
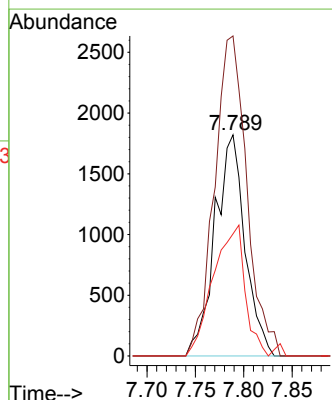
Tgt Ion: 56 Resp: 3925

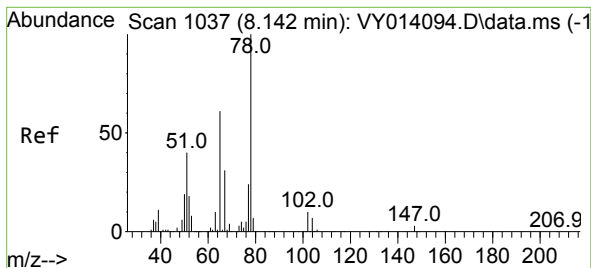
Ion Ratio Lower Upper

56 100

69 144.7 27.8 41.6#

84 55.2 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 53.005 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VY014504.D

Acq: 29 Jun 2023 18:24

Instrument :

MSVOA_Y

ClientSampleId :

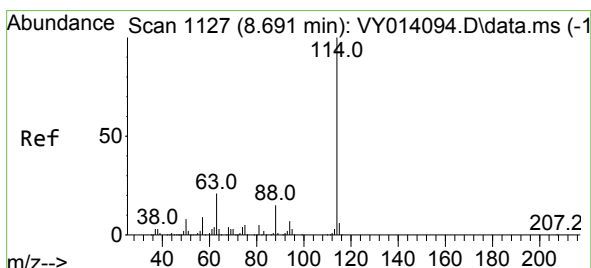
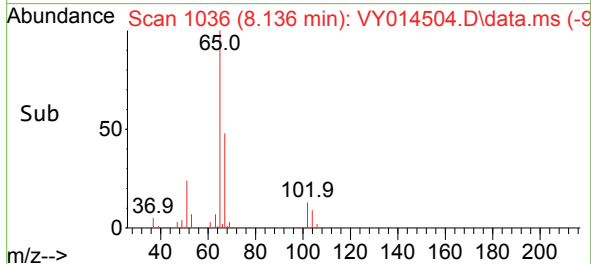
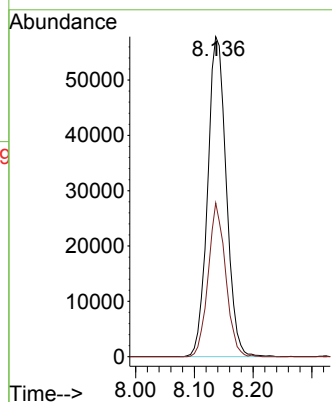
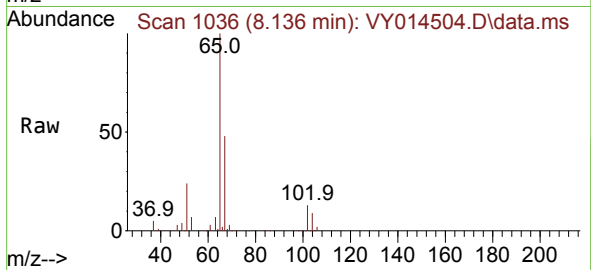
CMC-EME-TOPSOIL-015

Tgt Ion: 65 Resp: 127424

Ion Ratio Lower Upper

65 100

67 44.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014504.D

Acq: 29 Jun 2023 18:24

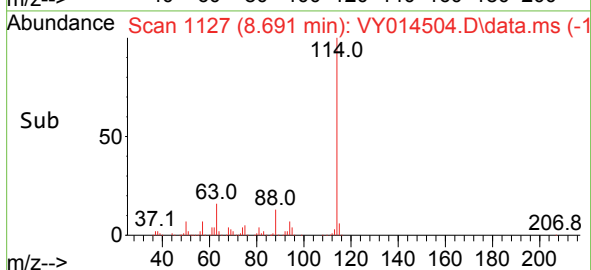
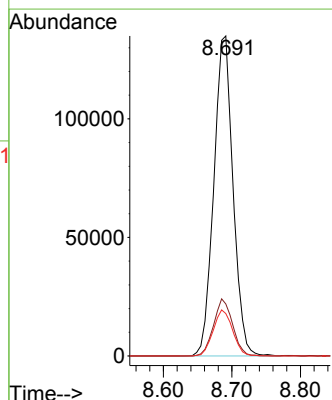
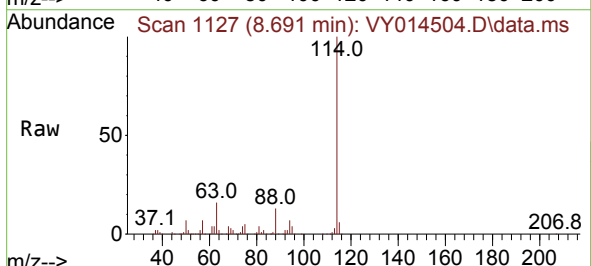
Tgt Ion: 114 Resp: 263027

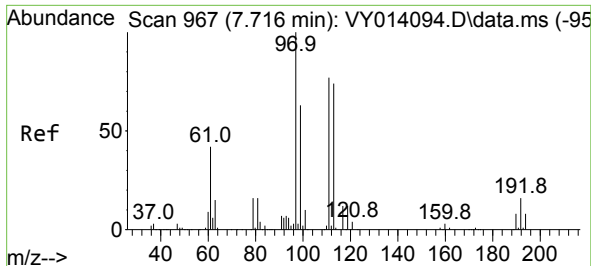
Ion Ratio Lower Upper

114 100

63 16.3 0.0 42.4

88 13.3 0.0 30.6

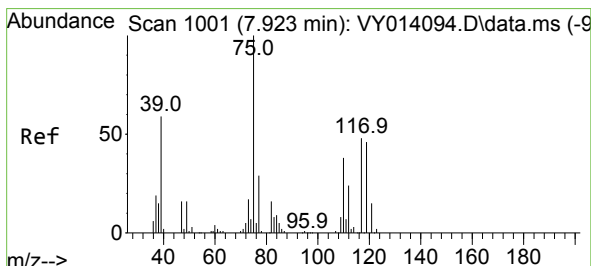
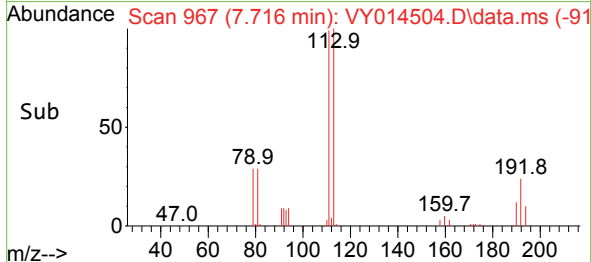
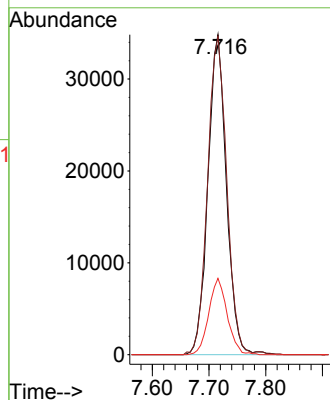
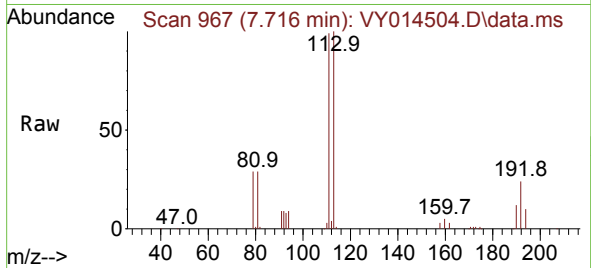




#35
Dibromofluoromethane
Concen: 48.481 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014504.D
Acq: 29 Jun 2023 18:24

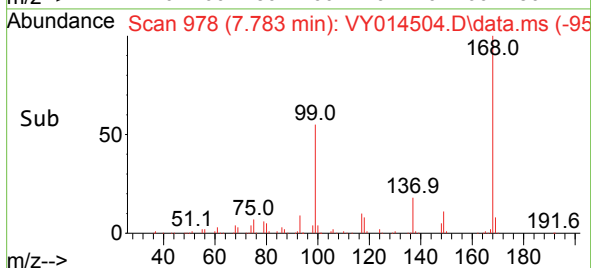
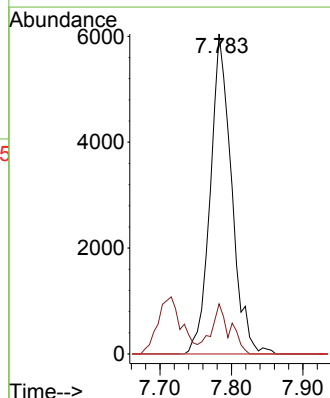
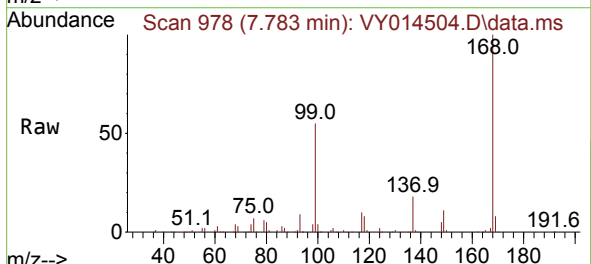
Instrument :
MSVOA_Y
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CMC-EME-TOPSOIL-015

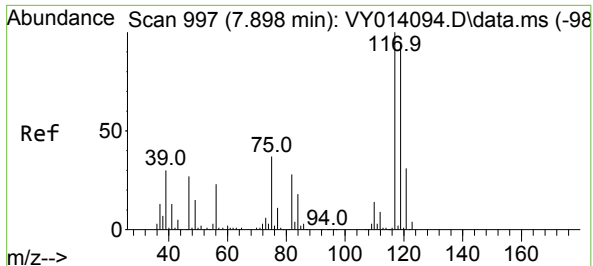
Tgt Ion:113 Resp: 78784
Ion Ratio Lower Upper
113 100
111 102.8 81.3 121.9
192 23.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.985 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014504.D
Acq: 29 Jun 2023 18:24

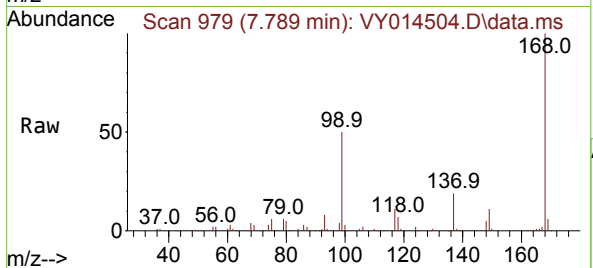
Tgt Ion: 75 Resp: 12483
Ion Ratio Lower Upper
75 100
110 13.9 17.8 53.5#
77 0.0 24.4 36.6#



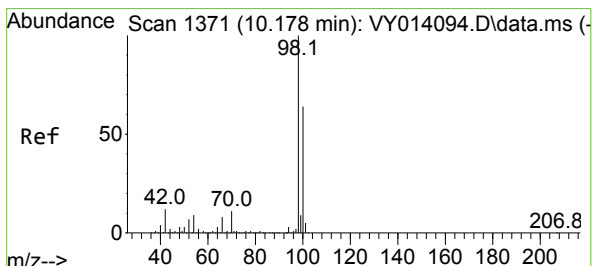
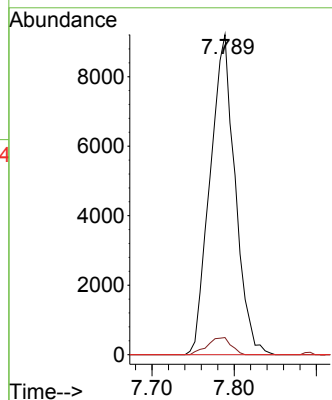
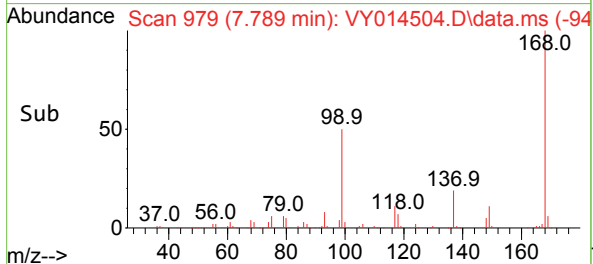


#38
Carbon Tetrachloride
Concen: 6.195 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014504.D
Acq: 29 Jun 2023 18:24

Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-TOPSOIL-015

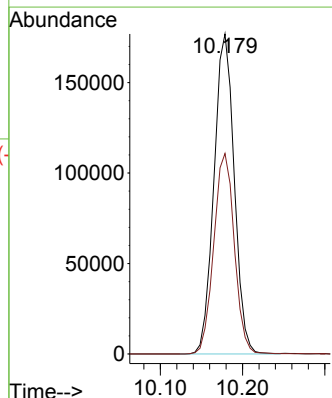
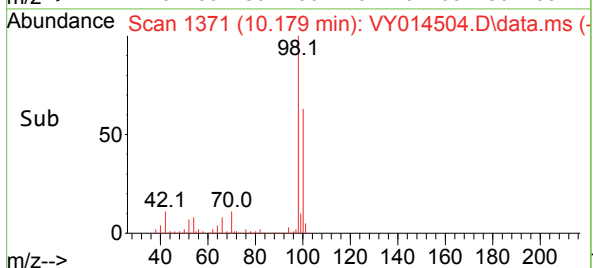
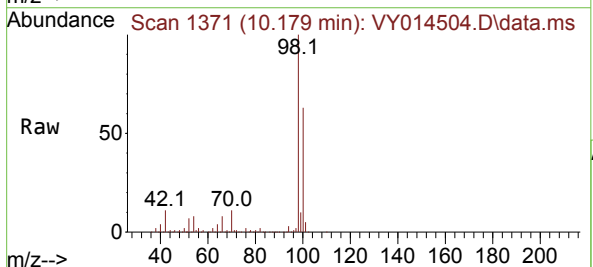


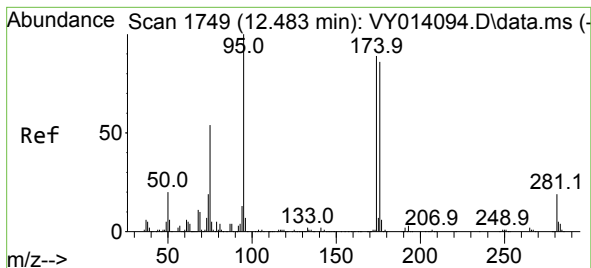
Tgt Ion:117 Resp: 19522
Ion Ratio Lower Upper
117 100
119 5.3 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 46.873 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014504.D
Acq: 29 Jun 2023 18:24

Tgt Ion: 98 Resp: 302788
Ion Ratio Lower Upper
98 100
100 63.6 50.1 75.1

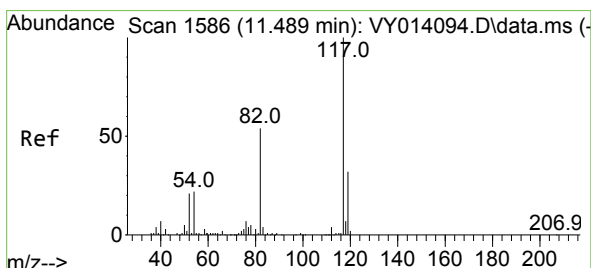
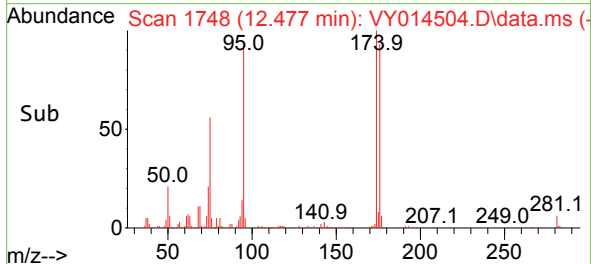
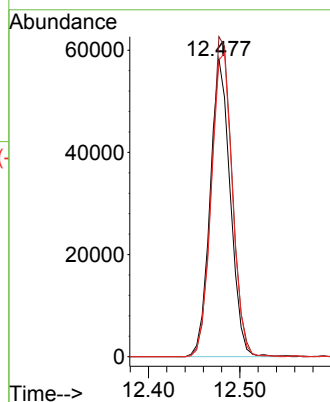
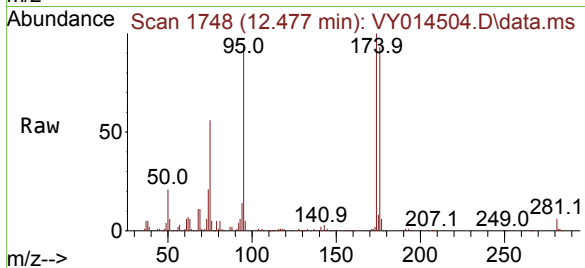




#62
4-Bromofluorobenzene
Concen: 38.670 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014504.D
Acq: 29 Jun 2023 18:24

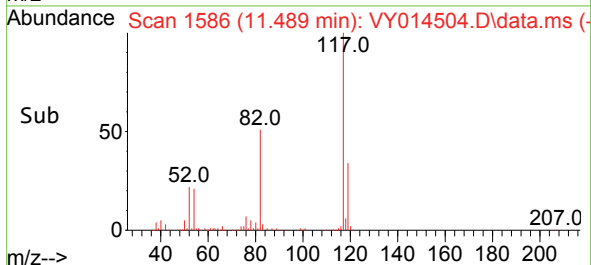
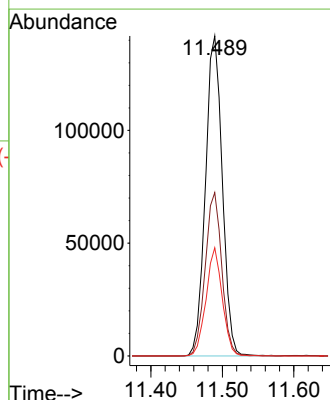
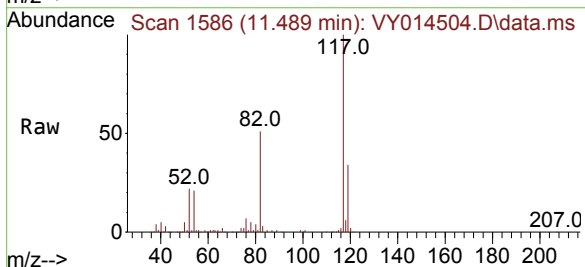
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-TOPSOIL-015

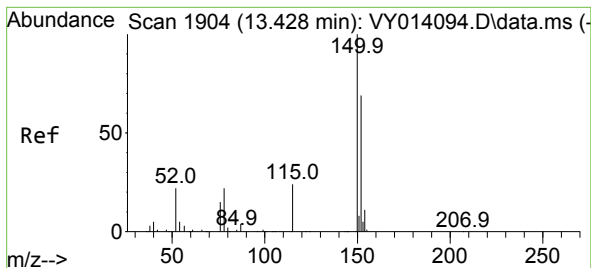
Tgt Ion: 95 Resp: 89179
Ion Ratio Lower Upper
95 100
174 111.2 0.0 178.2
176 106.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014504.D
Acq: 29 Jun 2023 18:24

Tgt Ion: 117 Resp: 232305
Ion Ratio Lower Upper
117 100
82 51.0 43.4 65.0
119 33.8 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: VY014504.D

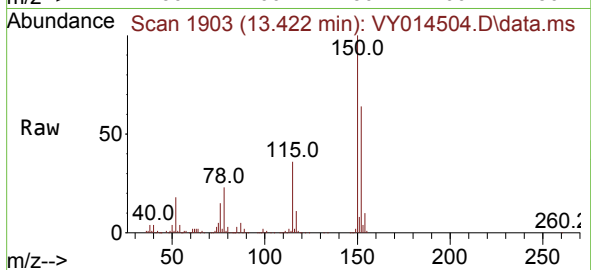
Acq: 29 Jun 2023 18:24

Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-TOPSOIL-015



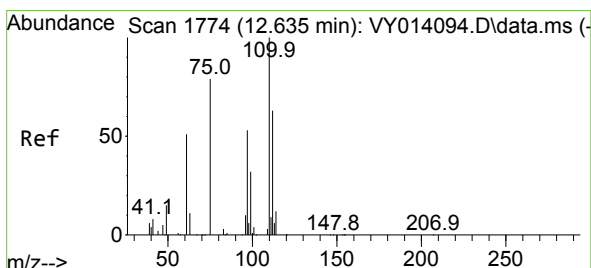
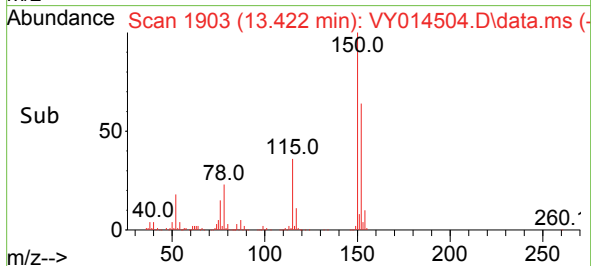
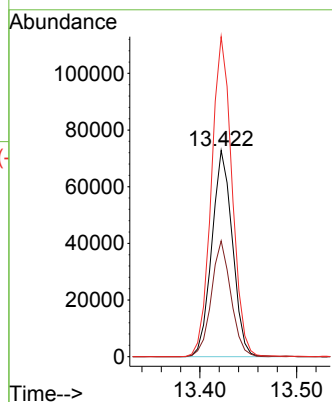
Tgt Ion:152 Resp: 107791

Ion Ratio Lower Upper

152 100

115 53.4 28.8 86.5

150 155.9 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 39.965 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014504.D

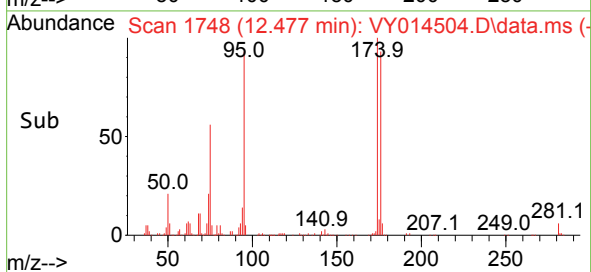
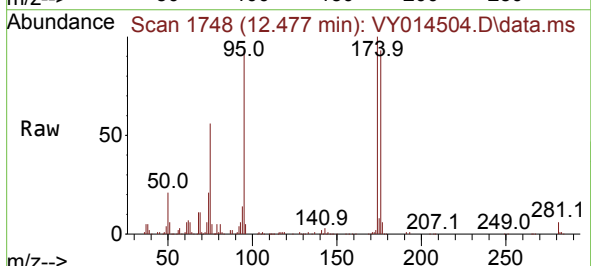
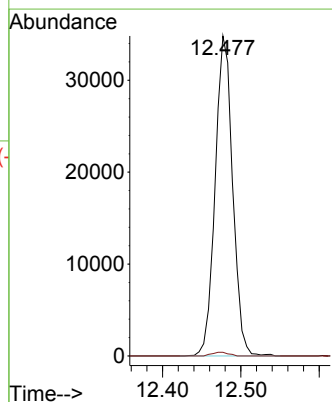
Acq: 29 Jun 2023 18:24

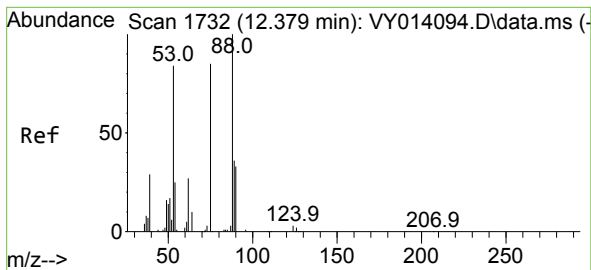
Tgt Ion: 75 Resp: 54039

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.988 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014504.D
 Acq: 29 Jun 2023 18:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-TOPSOIL-015

Tgt Ion: 75 Resp: 54039
 Ion Ratio Lower Upper
 75 100
 53 0.1 77.8 116.8#
 89 0.0 37.4 56.0#

