

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061223\
 Data File : VY014126.D
 Acq On : 12 Jun 2023 17:29
 Operator : KP/MD
 Sample : 03141-02
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-Topsoil-002

Quant Time: Jun 13 05:44:32 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)

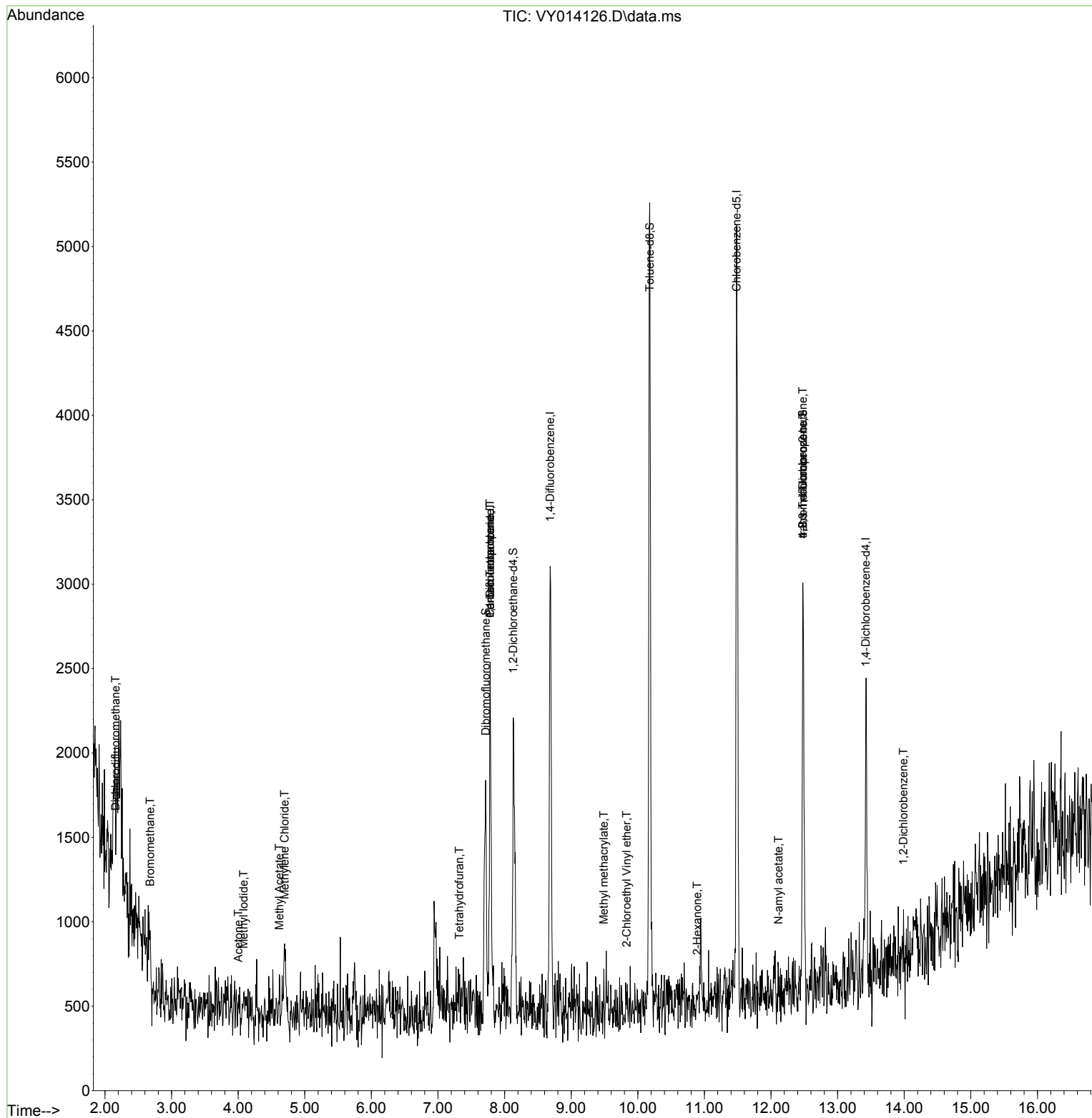
Internal Standards						
1) Pentafluorobenzene	7.783	168	1807	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	3083	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	3025	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	1763	70.064	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.120%	
35) Dibromofluoromethane	7.716	113	1037	47.430	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.860%	
50) Toluene-d8	10.179	98	3898	47.688	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.380%	
62) 4-Bromofluorobenzene	12.477	95	742	25.554	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 51.100%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.162	85	22	1.092	ug/l #	43
5) Bromomethane	2.680	94	23	1.123	ug/l #	2
10) Methyl Iodide	4.082	142	176	6.548	ug/l #	65
16) Acetone	4.003	43	65	8.570	ug/l #	46
18) Methyl Acetate	4.619	43	57	1.936	ug/l #	54
20) Methylene Chloride	4.698	84	269	8.105	ug/l #	67
29) Tetrahydrofuran	7.319	42	44	7.432	ug/l #	35
36) 1,1-Dichloropropene	7.783	75	87	2.552	ug/l #	41
38) Carbon Tetrachloride	7.783	117	52	1.322	ug/l #	12
48) Methyl methacrylate	9.490	41	24	1.248	ug/l #	13
58) 2-Chloroethyl Vinyl ether	9.831	63	22	30.123	ug/l #	48
59) 2-Hexanone	10.892	43	42	2.597	ug/l #	27
74) N-amyl acetate	12.111	43	21	1.624	ug/l #	46
76) 1,2,3-Trichloropropane	12.477	75	508	72.374	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	508	156.445	ug/l #	10
91) 1,2-Dichlorobenzene	13.989	146	26	1.413	ug/l #	25

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

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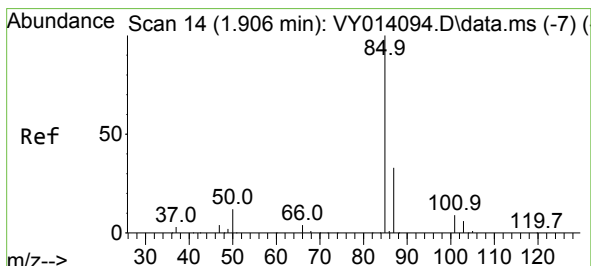
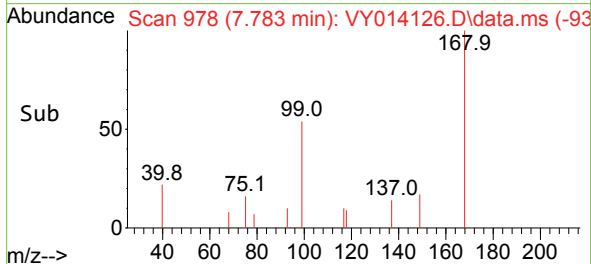
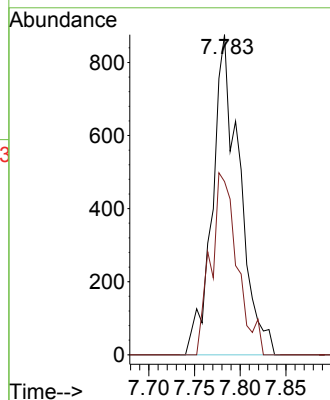
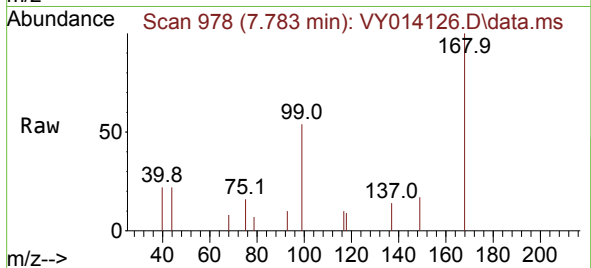




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014126.D
Acq: 12 Jun 2023 17:29

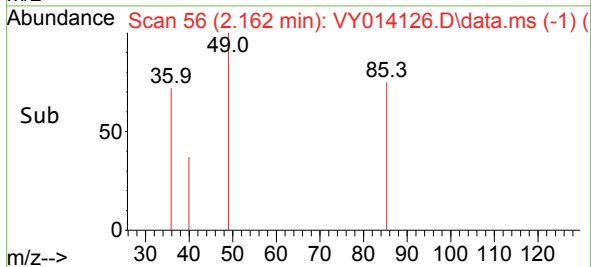
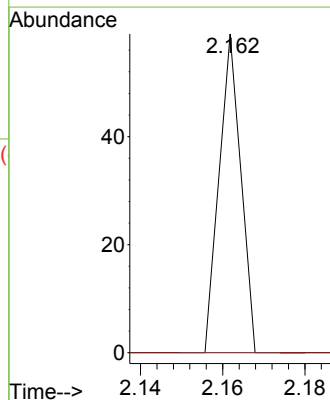
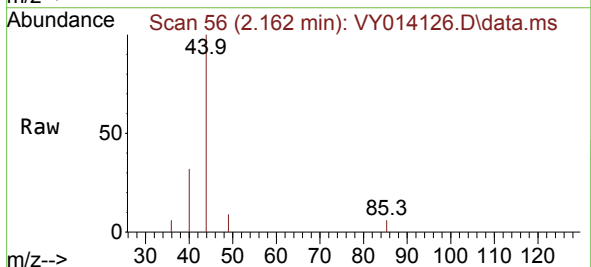
Instrument :
MSVOA_Y
ClientSampleId :
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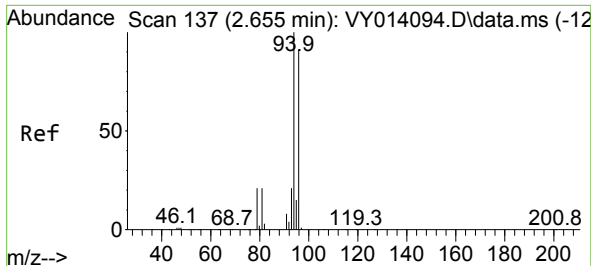
Tgt Ion:168 Resp: 1807
Ion Ratio Lower Upper
168 100
99 54.1 43.4 65.0



#2
Dichlorodifluoromethane
Concen: 1.092 ug/l
RT: 2.162 min Scan# 56
Delta R.T. 0.256 min
Lab File: VY014126.D
Acq: 12 Jun 2023 17:29

Tgt Ion: 85 Resp: 22
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

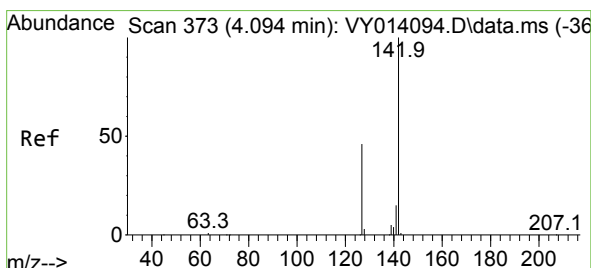
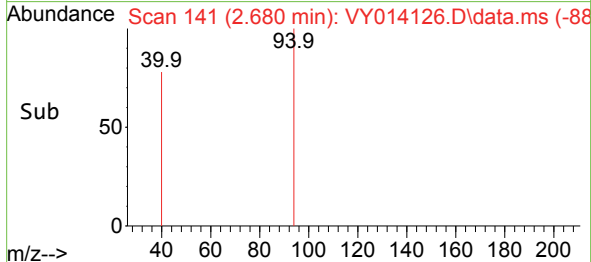
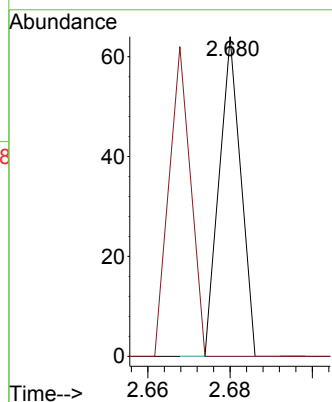
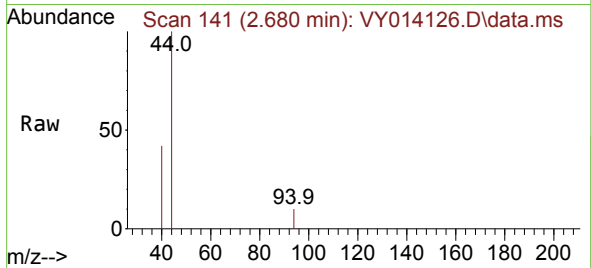




#5
Bromomethane
Concen: 1.123 ug/l
RT: 2.680 min Scan# 141
Delta R.T. 0.025 min
Lab File: VY014126.D
Acq: 12 Jun 2023 17:29

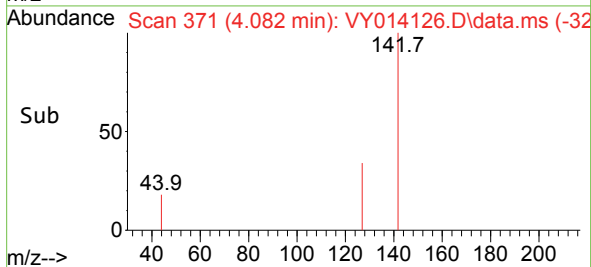
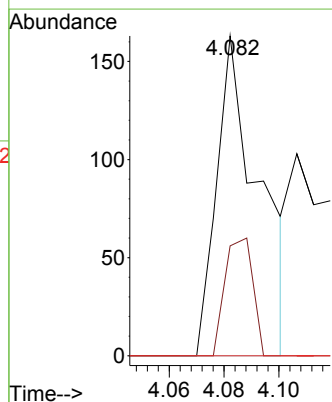
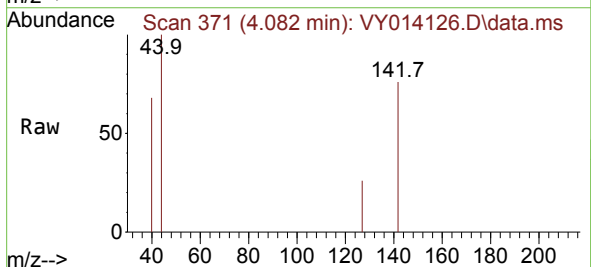
Instrument :
MSVOA_Y
ClientSampleId :
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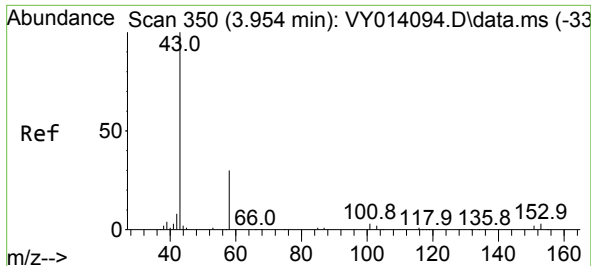
Tgt Ion: 94 Resp: 23
Ion Ratio Lower Upper
94 100
96 0.0 75.8 113.6#



#10
Methyl Iodide
Concen: 6.548 ug/l
RT: 4.082 min Scan# 371
Delta R.T. -0.012 min
Lab File: VY014126.D
Acq: 12 Jun 2023 17:29

Tgt Ion: 142 Resp: 176
Ion Ratio Lower Upper
142 100
127 23.9 37.6 56.4#
141 0.0 11.8 17.8#

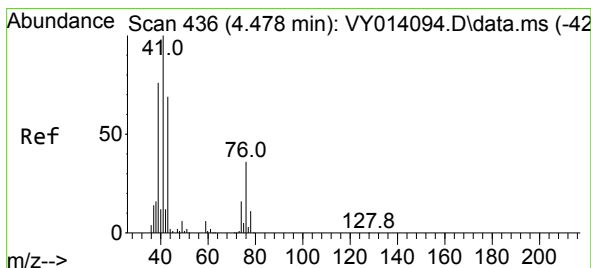
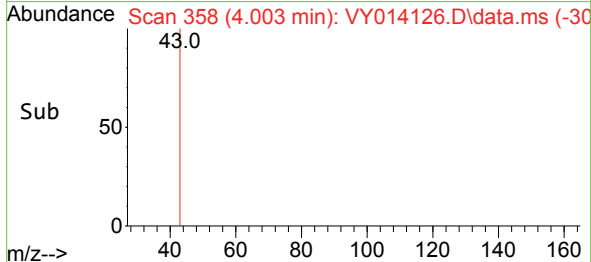
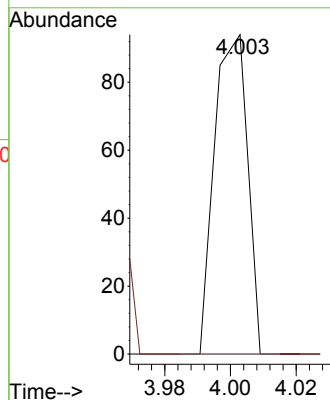
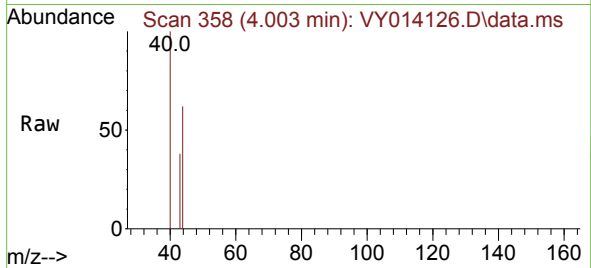




#16
Acetone
Concen: 8.570 ug/l
RT: 4.003 min Scan# 31
Delta R.T. 0.049 min
Lab File: VY014126.D
Acq: 12 Jun 2023 17:29

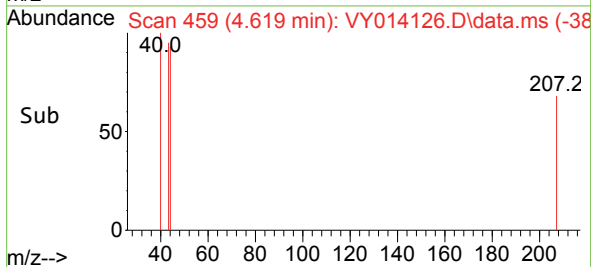
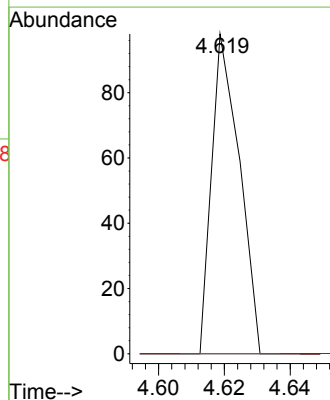
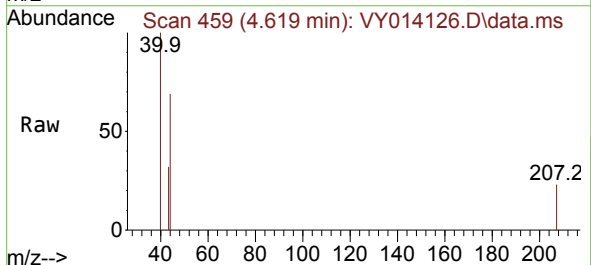
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-Topsoil-002

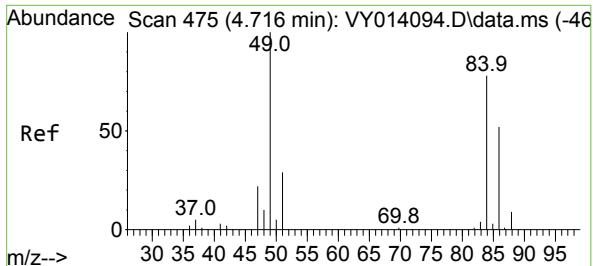
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#18
Methyl Acetate
Concen: 1.936 ug/l
RT: 4.619 min Scan# 459
Delta R.T. 0.141 min
Lab File: VY014126.D
Acq: 12 Jun 2023 17:29

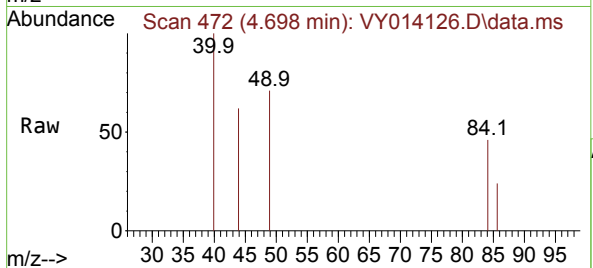
Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



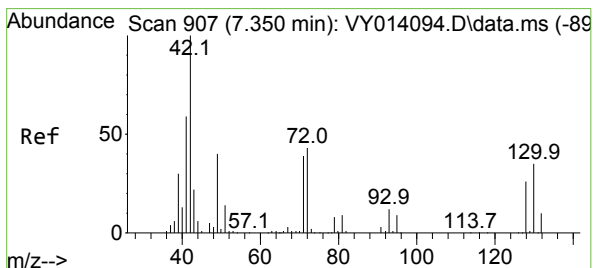
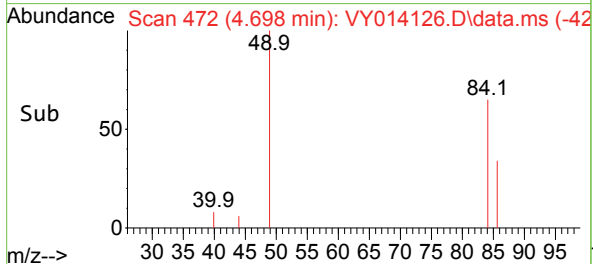
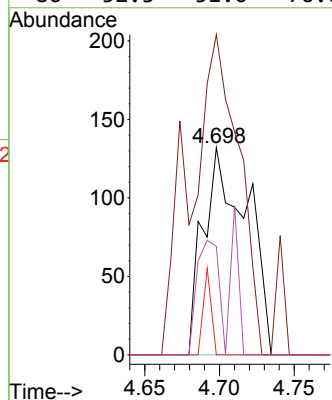


#20
Methylene Chloride
Concen: 8.105 ug/l
RT: 4.698 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY014126.D
Acq: 12 Jun 2023 17:29

Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-Topsoil-002

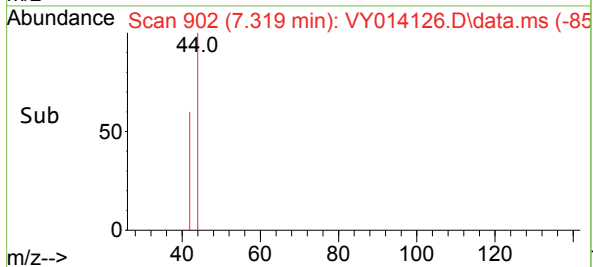
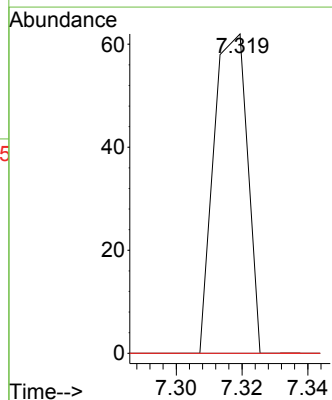
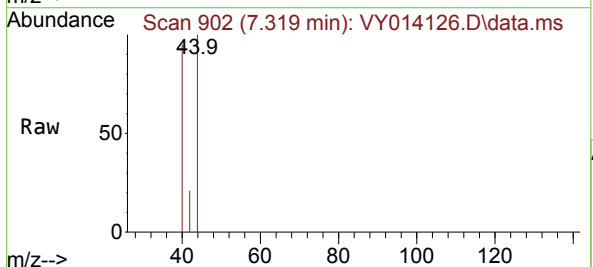


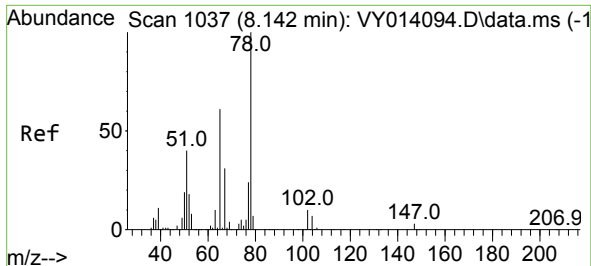
Tgt Ion: 84 Resp: 269
Ion Ratio Lower Upper
84 100
49 97.0 106.9 160.3#
51 0.0 33.2 49.8#
86 52.3 51.0 76.6



#29
Tetrahydrofuran
Concen: 7.432 ug/l
RT: 7.319 min Scan# 902
Delta R.T. -0.031 min
Lab File: VY014126.D
Acq: 12 Jun 2023 17:29

Tgt Ion: 42 Resp: 44
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 0.0 31.0 46.4#

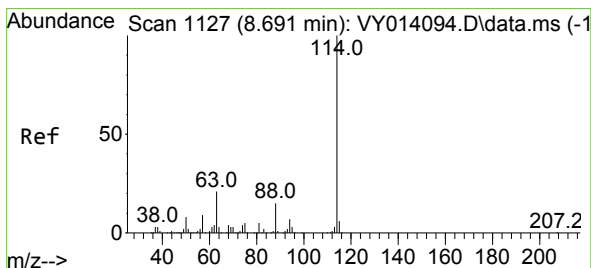
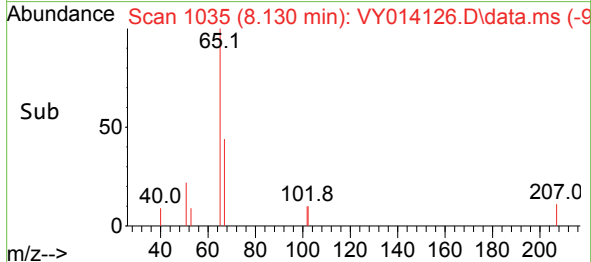
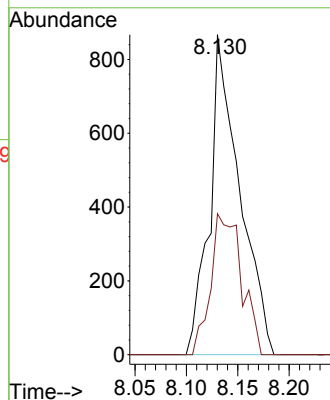
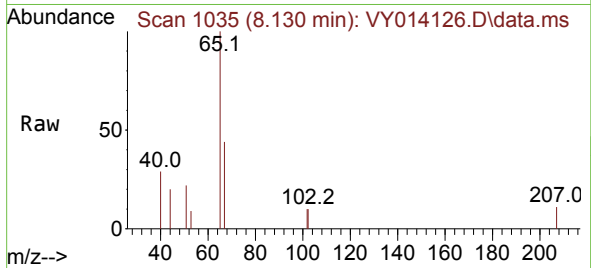




#33
 1,2-Dichloroethane-d4
 Concen: 70.064 ug/l
 RT: 8.130 min Scan# 1035
 Delta R.T. -0.012 min
 Lab File: VY014126.D
 Acq: 12 Jun 2023 17:29

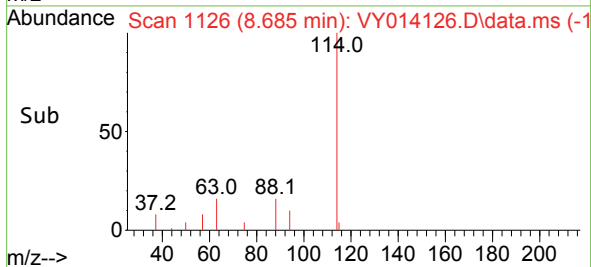
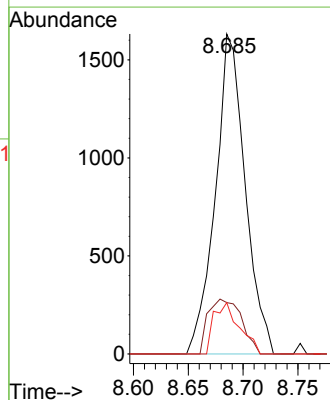
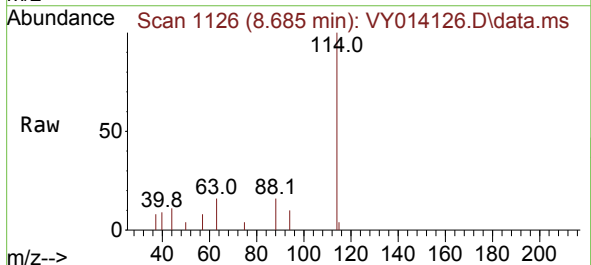
Instrument :
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 CMC-EME-Topsoil-002

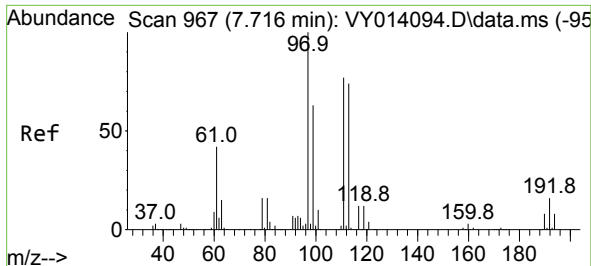
Tgt Ion: 65 Resp: 1763
 Ion Ratio Lower Upper
 65 100
 67 45.2 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY014126.D
 Acq: 12 Jun 2023 17:29

Tgt Ion: 114 Resp: 3083
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 42.4
 88 16.1 0.0 30.6

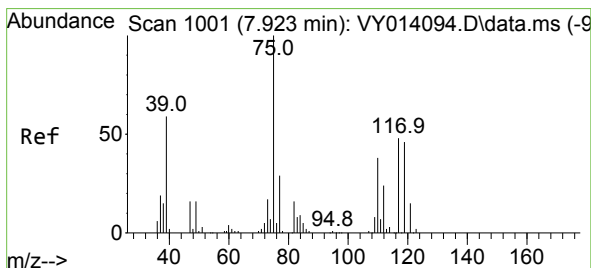
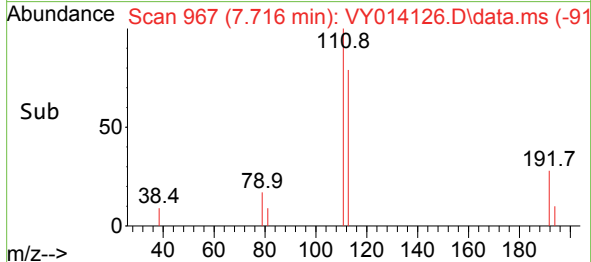
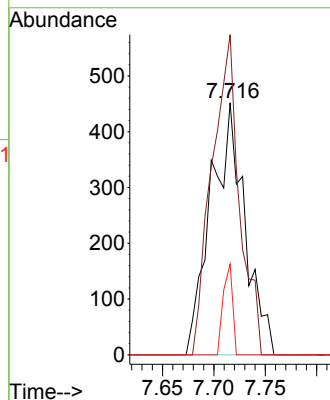
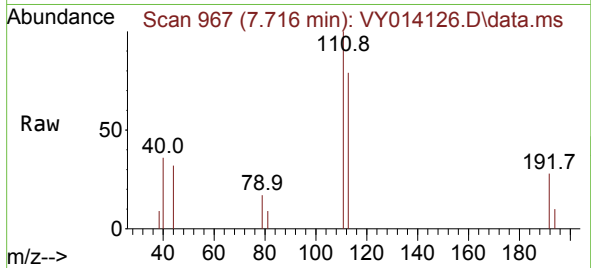




#35
Dibromofluoromethane
Concen: 47.430 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY014126.D
Acq: 12 Jun 2023 17:29

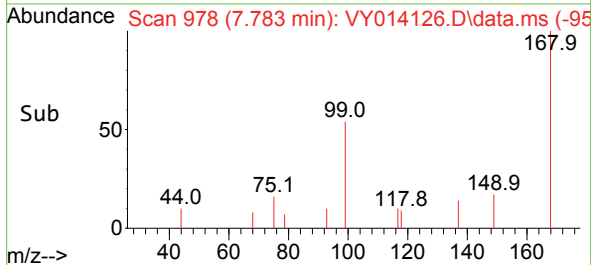
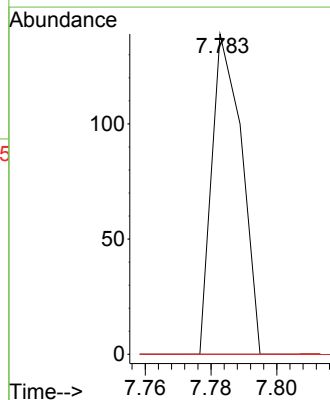
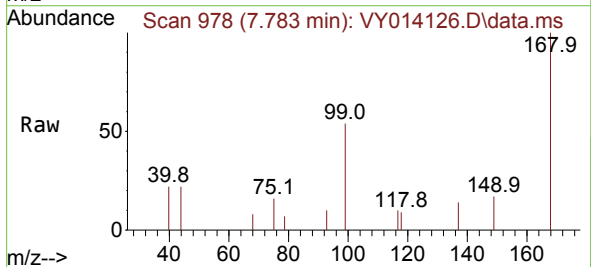
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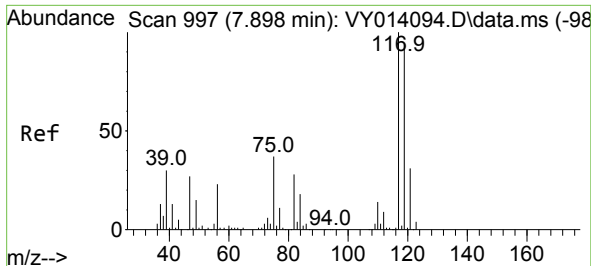
Tgt Ion:113 Resp: 1037
Ion Ratio Lower Upper
113 100
111 103.3 81.3 121.9
192 9.8 16.9 25.3#



#36
1,1-Dichloropropene
Concen: 2.552 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014126.D
Acq: 12 Jun 2023 17:29

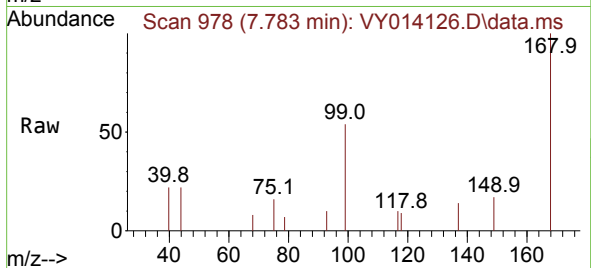
Tgt Ion: 75 Resp: 87
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#



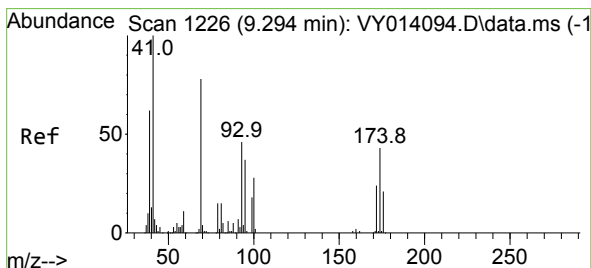
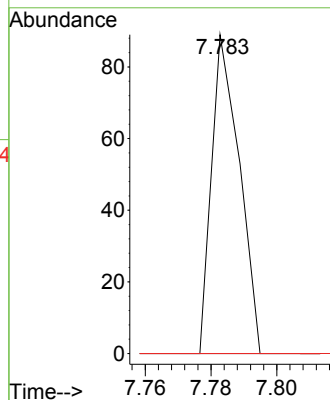
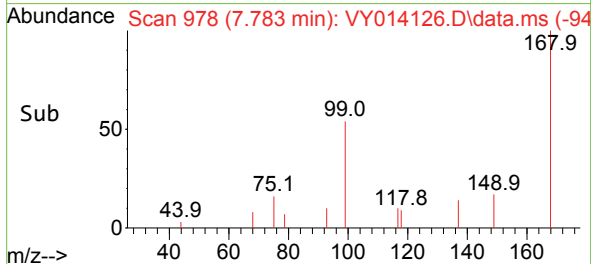


#38
Carbon Tetrachloride
Concen: 1.322 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY014126.D
Acq: 12 Jun 2023 17:29

Instrument :
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ClientSampleId :
CMC-EME-Topsoil-002

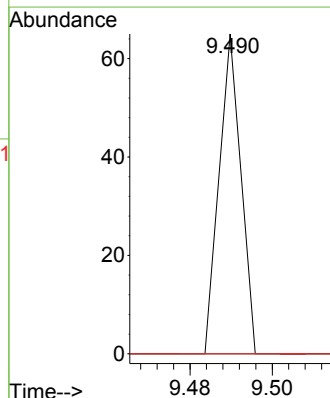
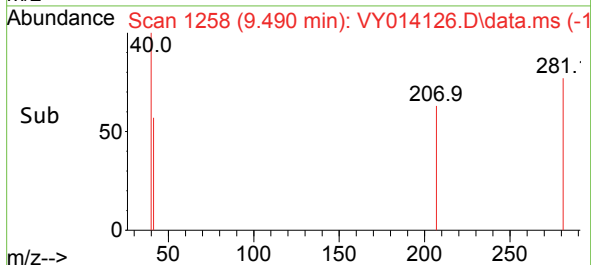
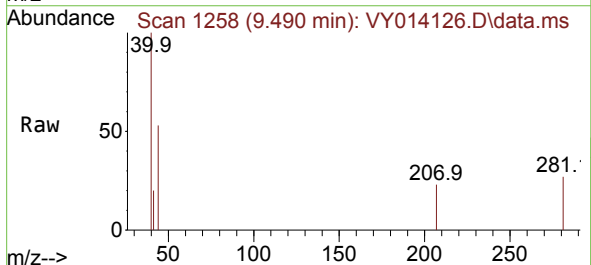


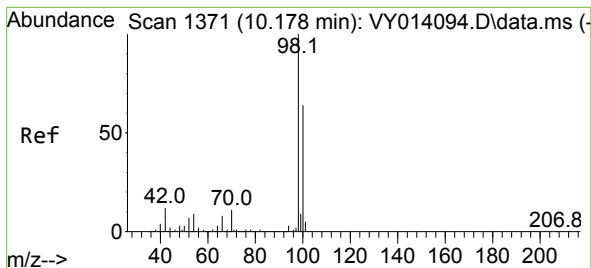
Tgt Ion:117 Resp: 52
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#48
Methyl methacrylate
Concen: 1.248 ug/l
RT: 9.490 min Scan# 1258
Delta R.T. 0.196 min
Lab File: VY014126.D
Acq: 12 Jun 2023 17:29

Tgt Ion: 41 Resp: 24
Ion Ratio Lower Upper
41 100
69 0.0 64.5 96.7#
39 0.0 50.8 76.2#





#50

Toluene-d8

Concen: 47.688 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.001 min

Lab File: VY014126.D

Acq: 12 Jun 2023 17:29

Instrument :

MSVOA_Y

ClientSampleId :

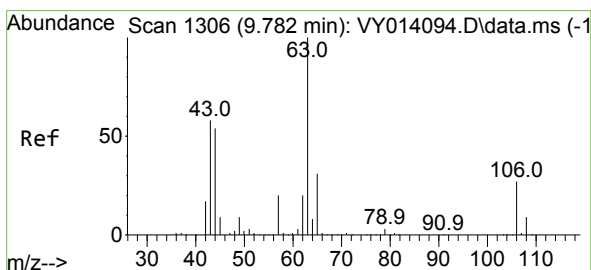
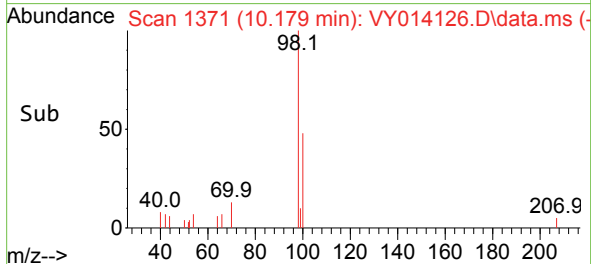
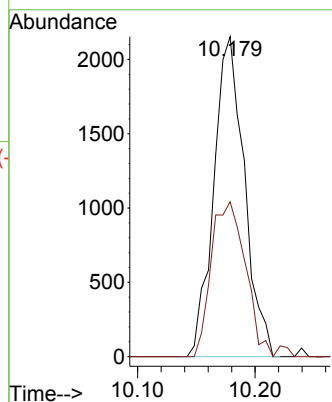
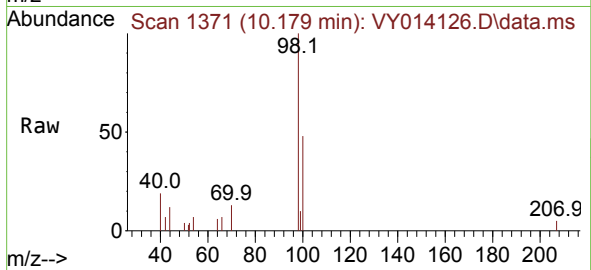
CMC-EME-Topsoil-002

Tgt Ion: 98 Resp: 3898

Ion Ratio Lower Upper

98 100

100 53.9 50.1 75.1



#58

2-Chloroethyl Vinyl ether

Concen: 30.123 ug/l

RT: 9.831 min Scan# 1314

Delta R.T. 0.049 min

Lab File: VY014126.D

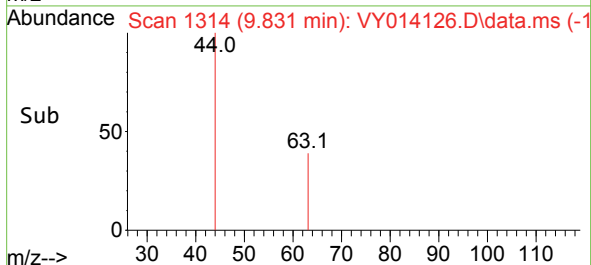
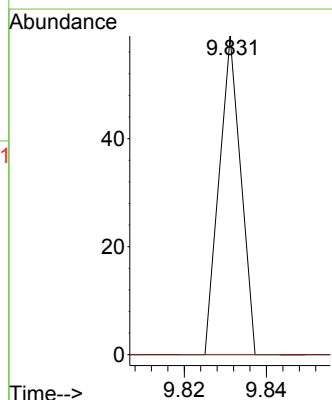
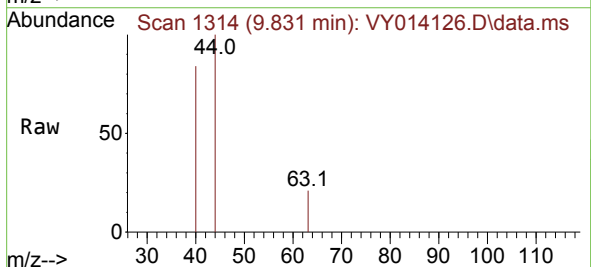
Acq: 12 Jun 2023 17:29

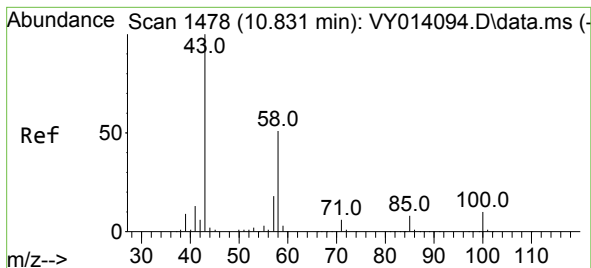
Tgt Ion: 63 Resp: 22

Ion Ratio Lower Upper

63 100

106 0.0 21.2 31.8#

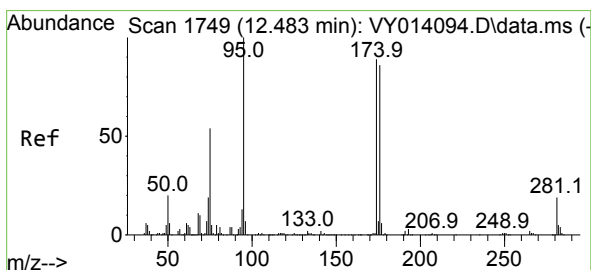
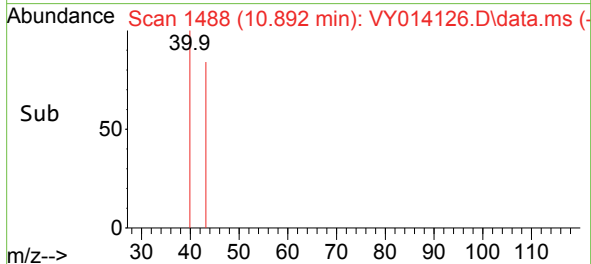
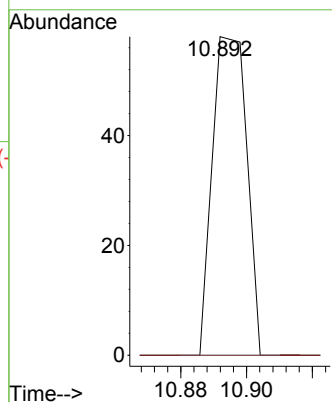
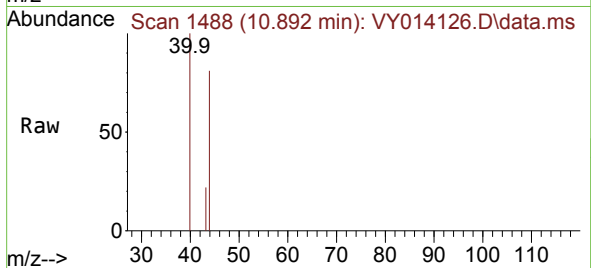




#59
2-Hexanone
Concen: 2.597 ug/l
RT: 10.892 min Scan# 1478
Delta R.T. 0.061 min
Lab File: VY014126.D
Acq: 12 Jun 2023 17:29

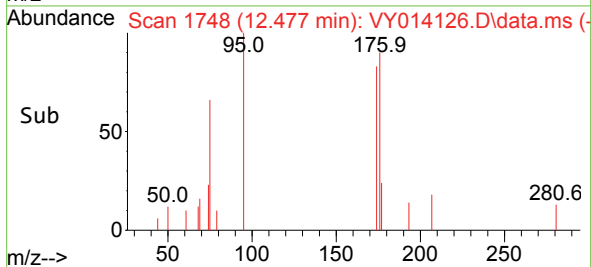
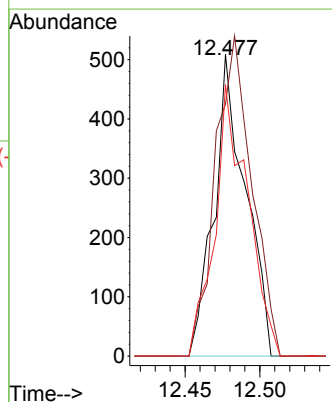
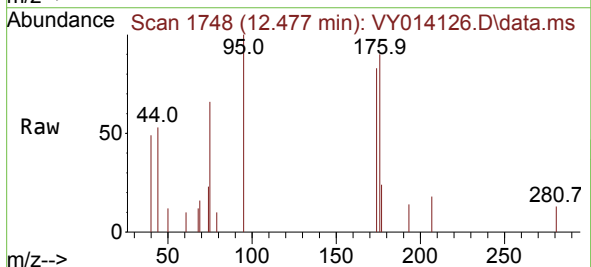
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-Topsoil-002

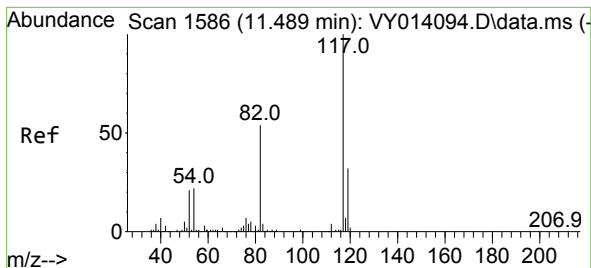
Tgt Ion: 43 Resp: 42
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.3#



#62
4-Bromofluorobenzene
Concen: 25.554 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014126.D
Acq: 12 Jun 2023 17:29

Tgt Ion: 95 Resp: 742
Ion Ratio Lower Upper
95 100
174 123.3 0.0 178.2
176 94.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY014126.D

Acq: 12 Jun 2023 17:29

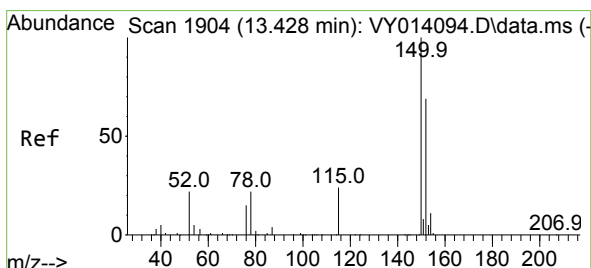
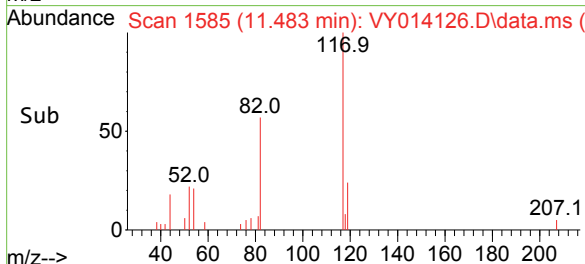
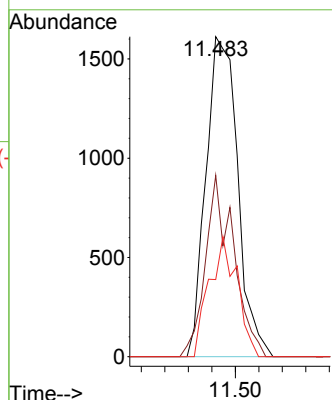
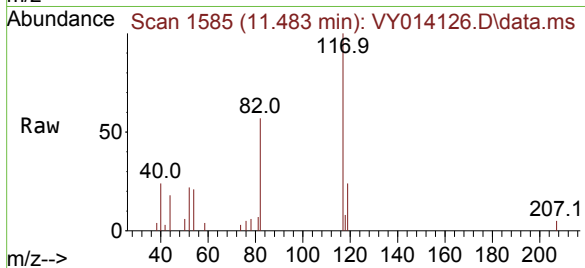
Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-Topsoil-002

Tgt Ion:117	Resp:	3025
Ion	Ratio	Lower Upper
117	100	
82	56.6	43.4 65.0
119	24.1	26.3 39.5#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

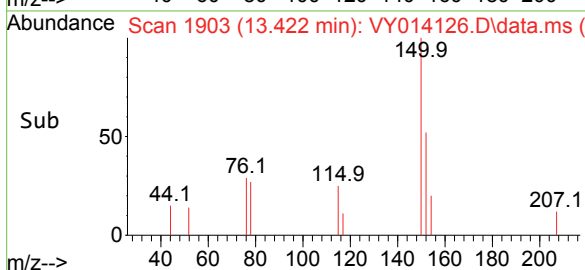
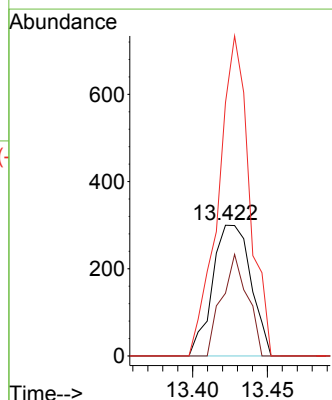
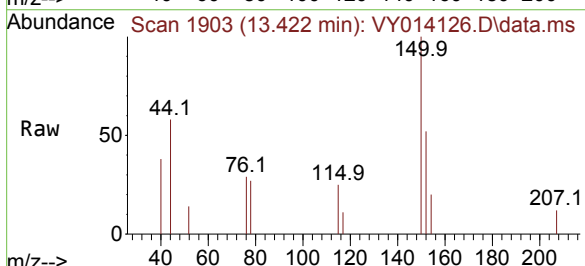
RT: 13.422 min Scan# 1903

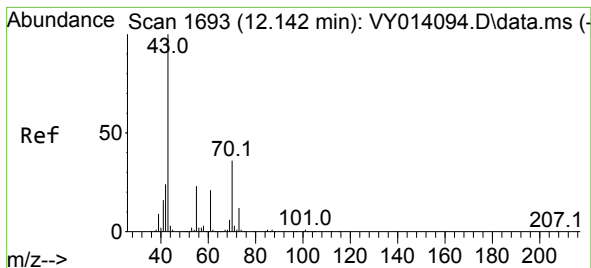
Delta R.T. -0.006 min

Lab File: VY014126.D

Acq: 12 Jun 2023 17:29

Tgt Ion:152	Resp:	535
Ion	Ratio	Lower Upper
152	100	
115	52.0	28.8 86.5
150	198.5	0.0 348.8





#74

N-amy1 acetate

Concen: 1.624 ug/l

RT: 12.111 min Scan# 1

Delta R.T. -0.031 min

Lab File: VY014126.D

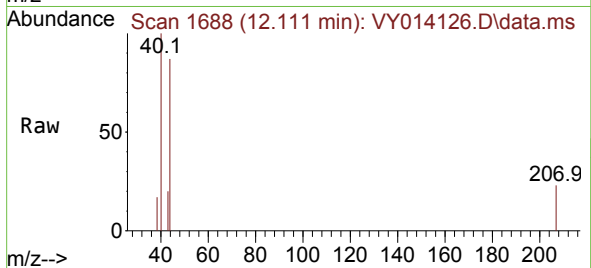
Acq: 12 Jun 2023 17:29

Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-Topsoil-002



Tgt Ion: 43 Resp: 21

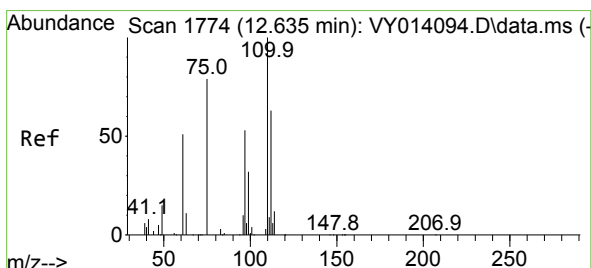
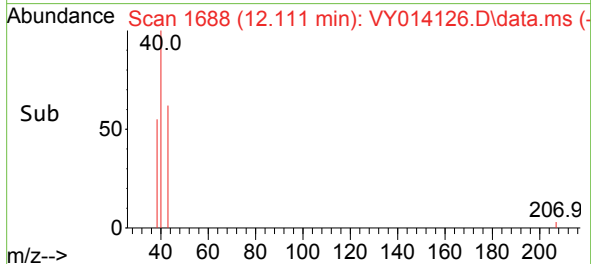
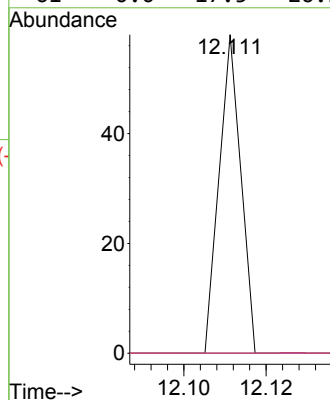
Ion Ratio Lower Upper

43 100

70 0.0 29.7 44.5#

55 0.0 18.3 27.5#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 72.374 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014126.D

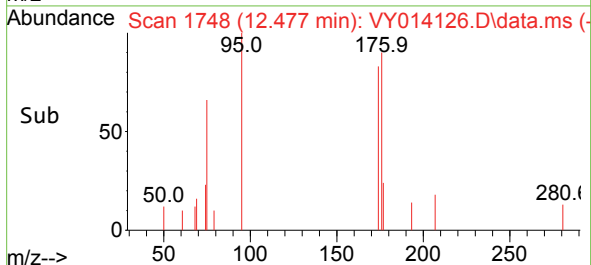
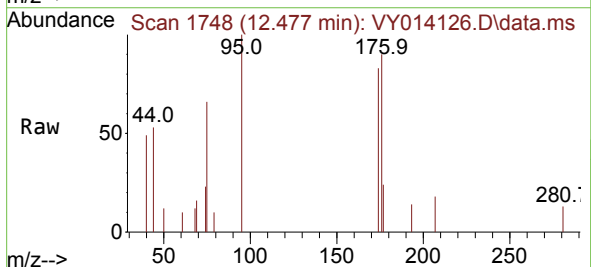
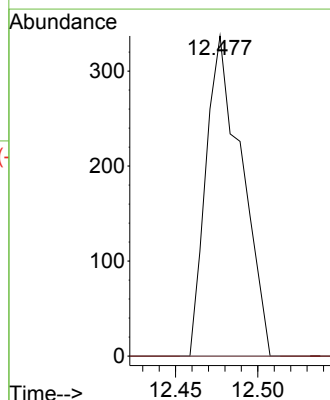
Acq: 12 Jun 2023 17:29

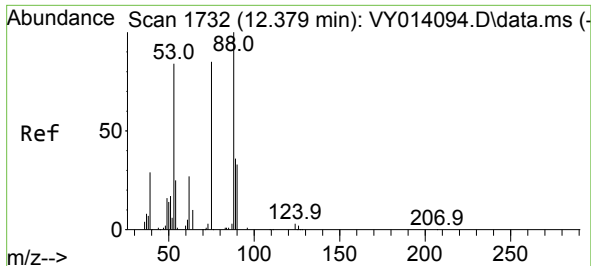
Tgt Ion: 75 Resp: 508

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

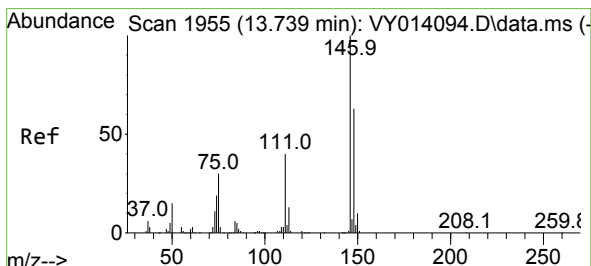
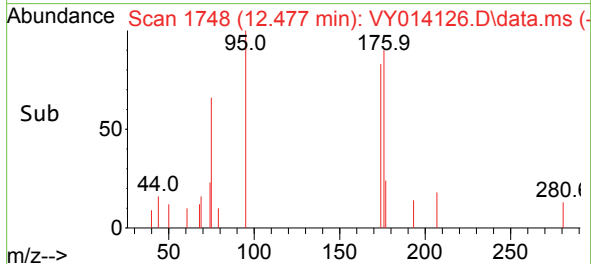
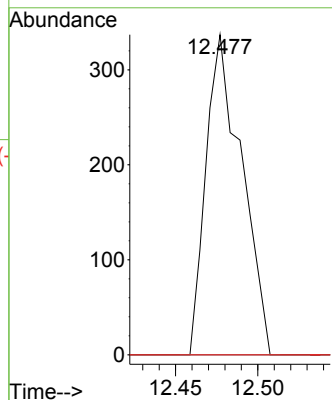
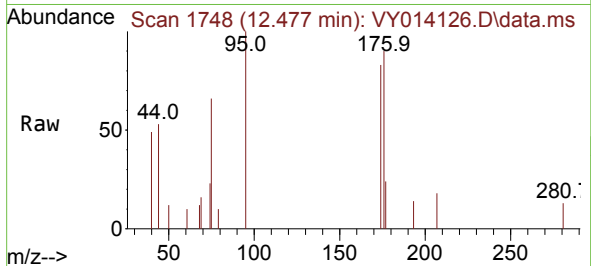




#81
trans-1,4-Dichloro-2-butene
Concen: 156.445 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY014126.D
Acq: 12 Jun 2023 17:29

Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-Topsoil-002

Tgt Ion: 75 Resp: 508
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#91
1,2-Dichlorobenzene
Concen: 1.413 ug/l
RT: 13.989 min Scan# 1996
Delta R.T. 0.250 min
Lab File: VY014126.D
Acq: 12 Jun 2023 17:29

Tgt Ion: 146 Resp: 26
Ion Ratio Lower Upper
146 100
111 0.0 19.7 59.0#
148 0.0 32.0 96.2#

