

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062923\
 Data File : VY014502.D
 Acq On : 29 Jun 2023 17:37
 Operator : KP/MD
 Sample : 03473-08
 Misc : 5.53g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-TOPSOIL-013

Quant Time: Jun 30 04:11:24 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)

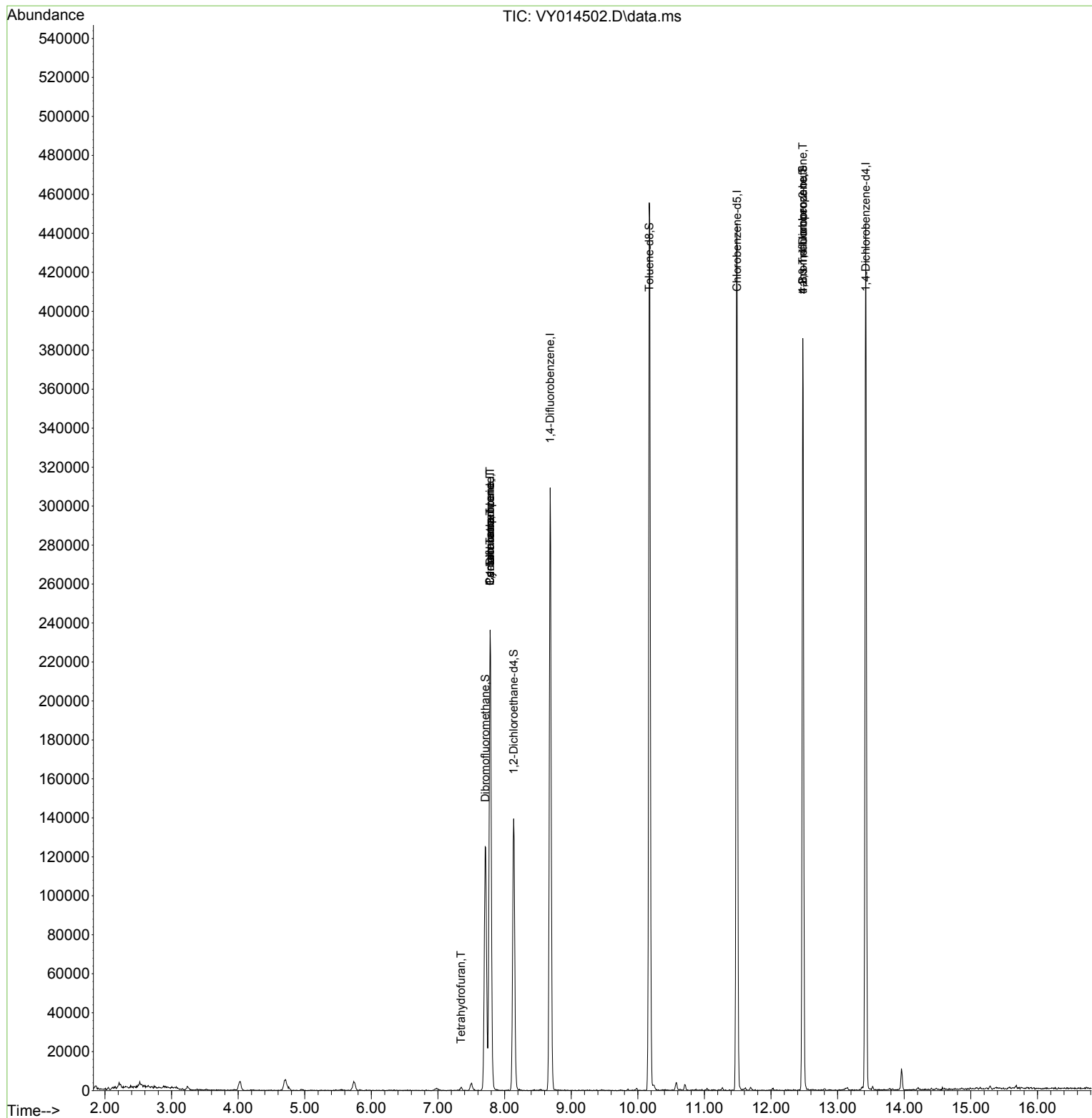
Internal Standards						
1) Pentafluorobenzene	7.783	168	185877	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	257696	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	241595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	117786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	131691	57.063	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 114.120%		
35) Dibromofluoromethane	7.710	113	79601	49.997	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 100.000%		
50) Toluene-d8	10.173	98	301693	47.670	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 95.340%		
62) 4-Bromofluorobenzene	12.477	95	96541	42.728	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 85.460%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	840	Below Cal	#	89
20) Methylene Chloride	4.710	84	4415	Below Cal	#	62
29) Tetrahydrofuran	7.344	42	762	1.413	ug/l	92
31) Cyclohexane	7.783	56	3558	1.248	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	12794	5.215	ug/l #	55
38) Carbon Tetrachloride	7.783	117	18551	6.009	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	58261	39.431	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	58261	89.772	ug/l #	11

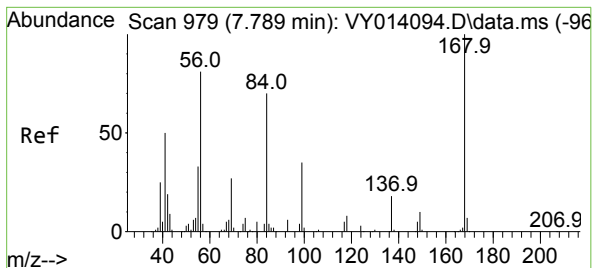
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY014502.D

Acq: 29 Jun 2023 17:37

Instrument :

MSVOA_Y

ClientSampleId :

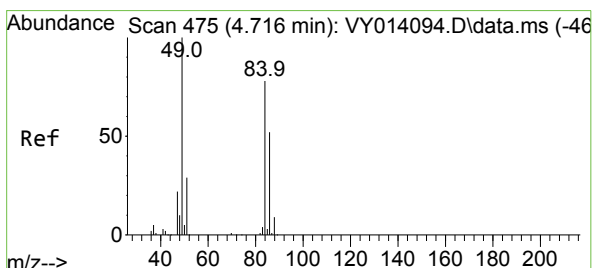
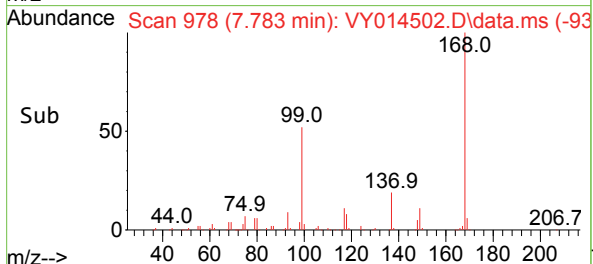
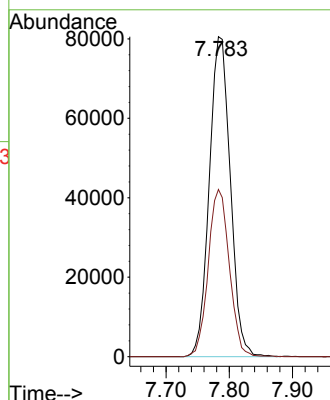
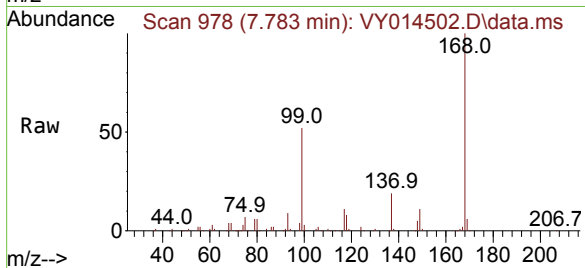
CMC-EME-TOPSOIL-013

Tgt Ion:168 Resp: 185877

Ion Ratio Lower Upper

168 100

99 52.3 43.4 65.0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY014502.D

Acq: 29 Jun 2023 17:37

Tgt Ion: 84 Resp: 4415

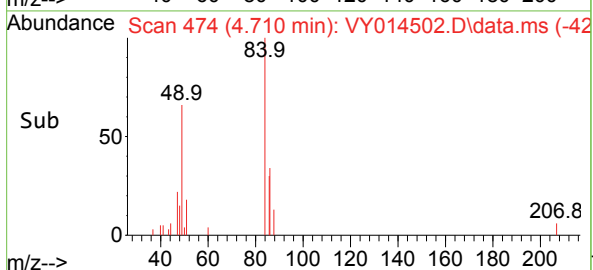
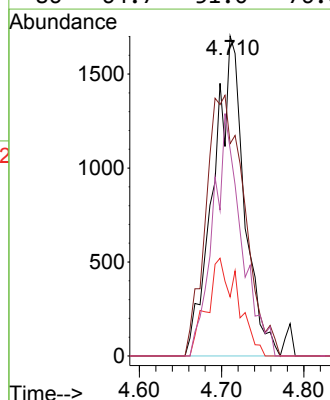
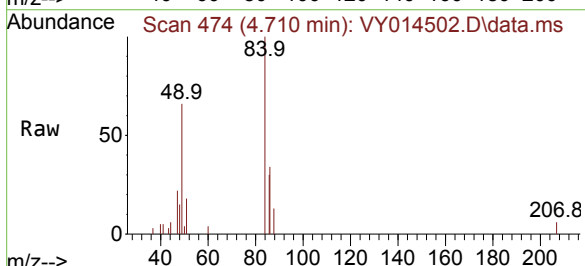
Ion Ratio Lower Upper

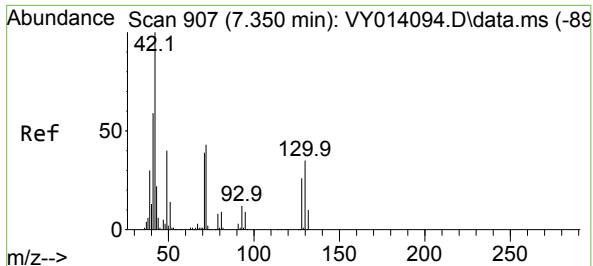
84 100

49 66.4 106.9 160.3#

51 18.4 33.2 49.8#

86 64.7 51.0 76.6





#29

Tetrahydrofuran

Concen: 1.413 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.006 min

Lab File: VY014502.D

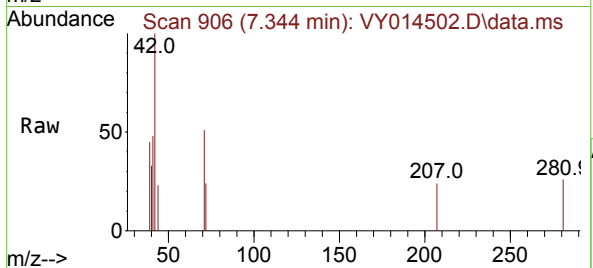
Acq: 29 Jun 2023 17:37

Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-TOPSOIL-013



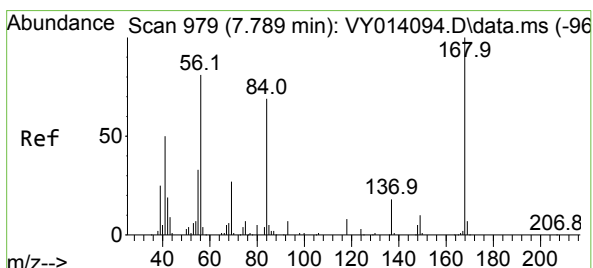
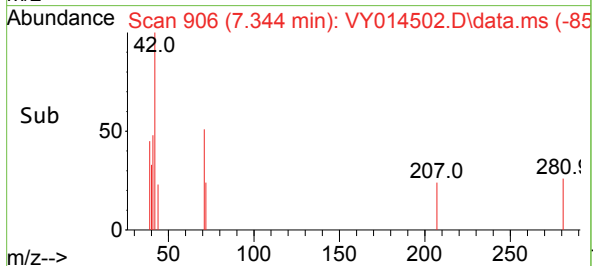
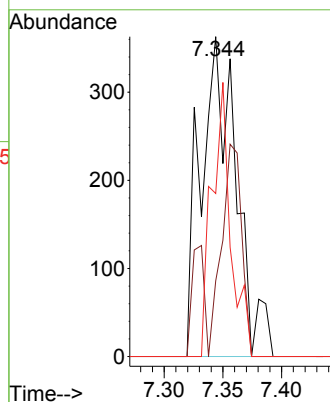
Tgt Ion: 42 Resp: 762

Ion Ratio Lower Upper

42 100

72 37.5 32.8 49.2

71 45.5 31.0 46.4



#31

Cyclohexane

Concen: 1.248 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY014502.D

Acq: 29 Jun 2023 17:37

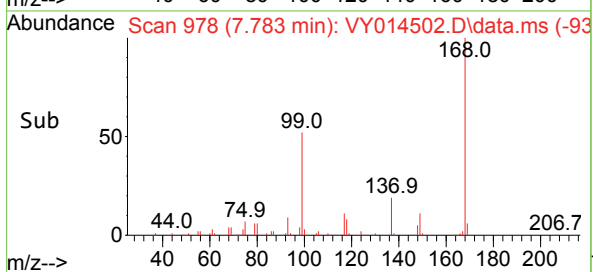
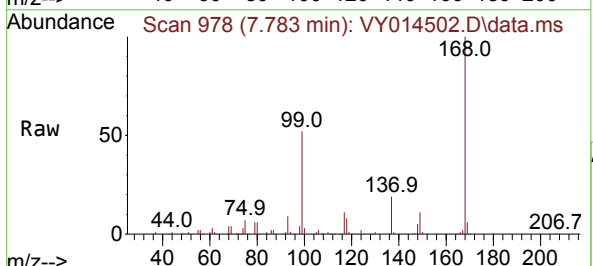
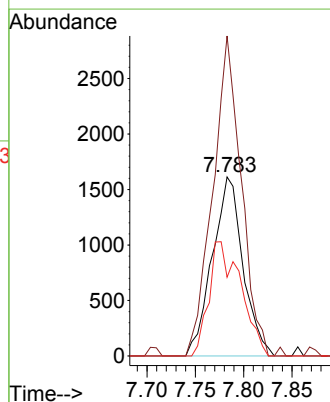
Tgt Ion: 56 Resp: 3558

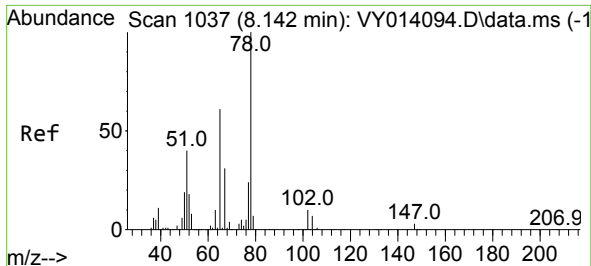
Ion Ratio Lower Upper

56 100

69 178.6 27.8 41.6#

84 43.9 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 57.063 ug/l

RT: 8.136 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VY014502.D

Acq: 29 Jun 2023 17:37

Instrument :

MSVOA_Y

ClientSampleId :

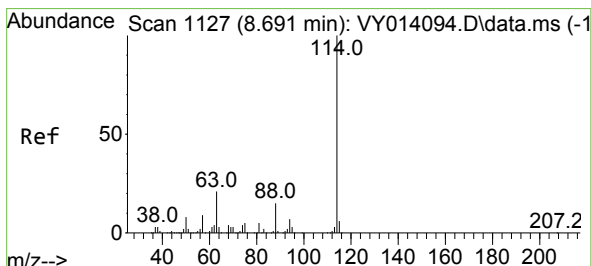
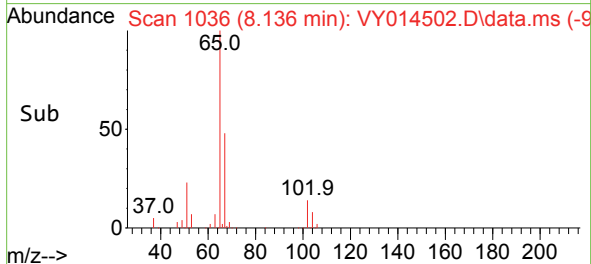
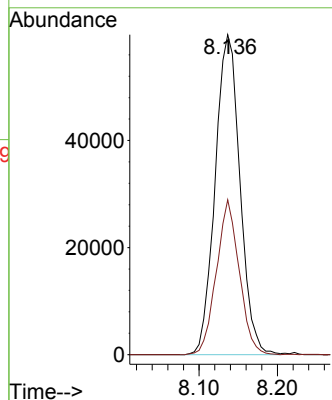
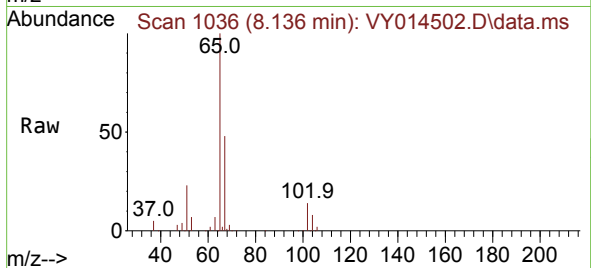
CMC-EME-TOPSOIL-013

Tgt Ion: 65 Resp: 131691

Ion Ratio Lower Upper

65 100

67 44.5 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: VY014502.D

Acq: 29 Jun 2023 17:37

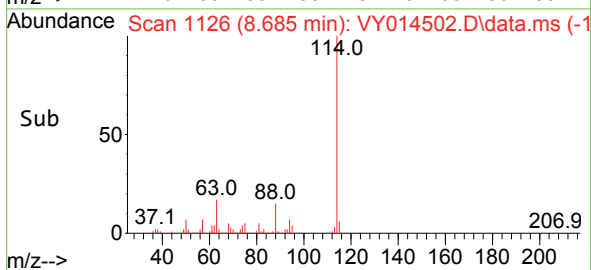
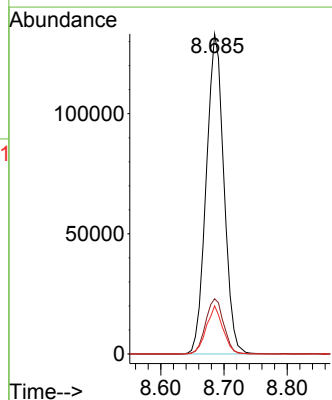
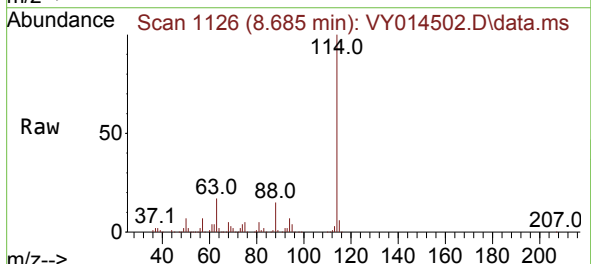
Tgt Ion: 114 Resp: 257696

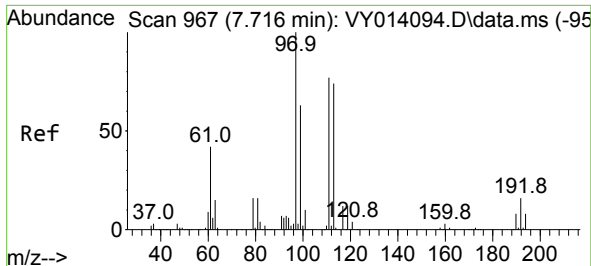
Ion Ratio Lower Upper

114 100

63 17.3 0.0 42.4

88 15.1 0.0 30.6

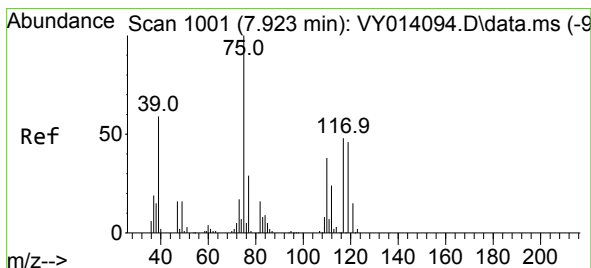
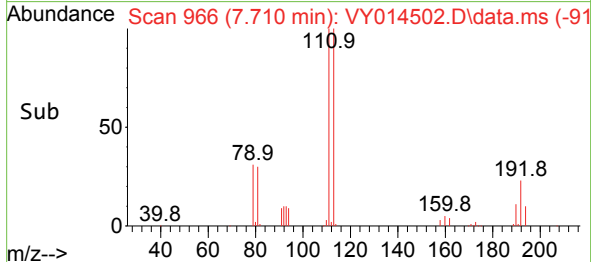
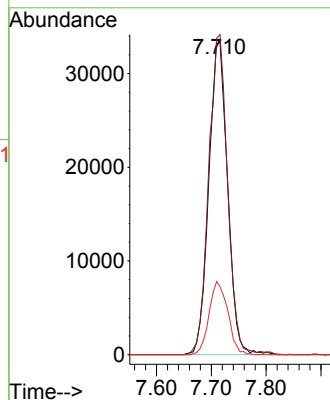
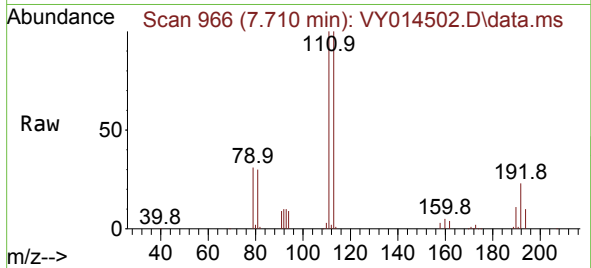




#35
Dibromofluoromethane
Concen: 49.997 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY014502.D
Acq: 29 Jun 2023 17:37

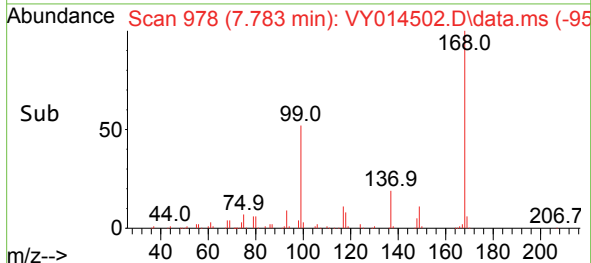
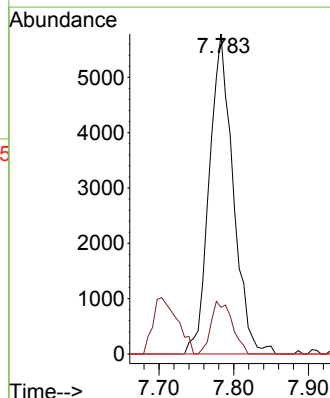
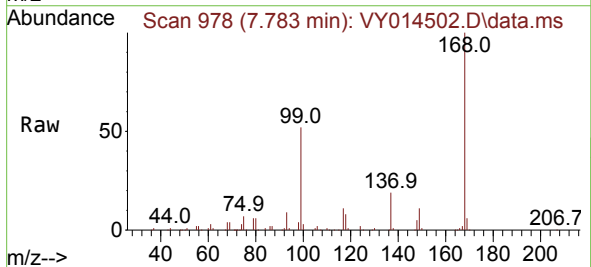
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-TOPSOIL-013

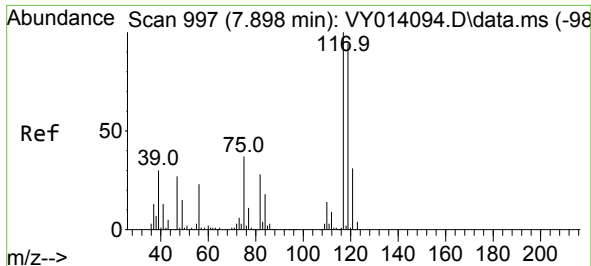
Tgt Ion:113 Resp: 79601
Ion Ratio Lower Upper
113 100
111 101.9 81.3 121.9
192 23.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.215 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014502.D
Acq: 29 Jun 2023 17:37

Tgt Ion: 75 Resp: 12794
Ion Ratio Lower Upper
75 100
110 14.6 17.8 53.5#
77 0.0 24.4 36.6#

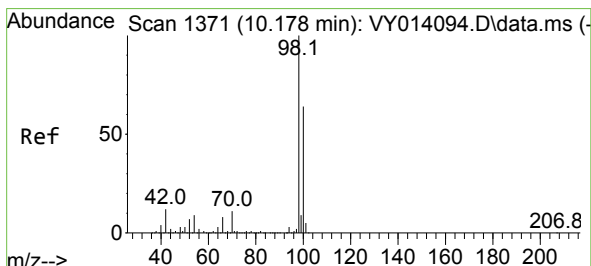
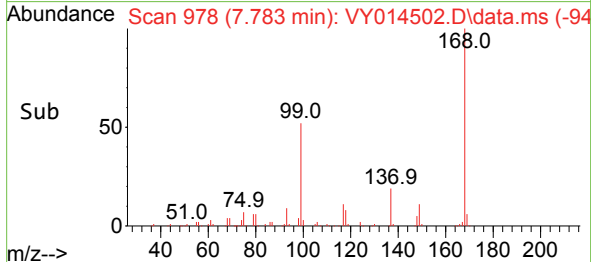
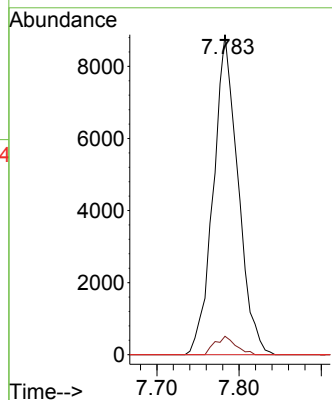
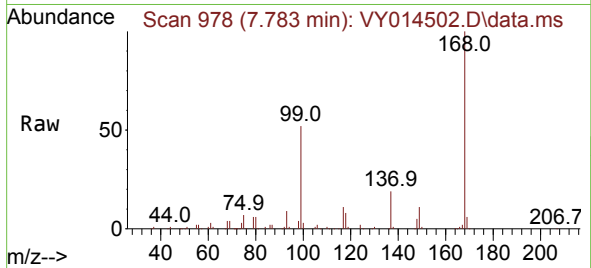




#38
Carbon Tetrachloride
Concen: 6.009 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY014502.D
Acq: 29 Jun 2023 17:37

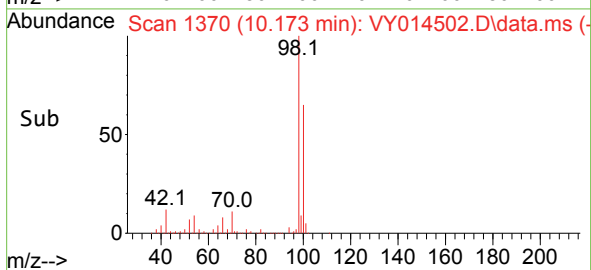
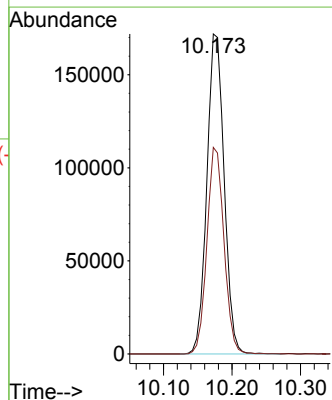
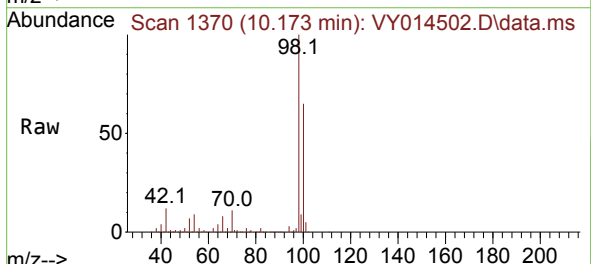
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-TOPSOIL-013

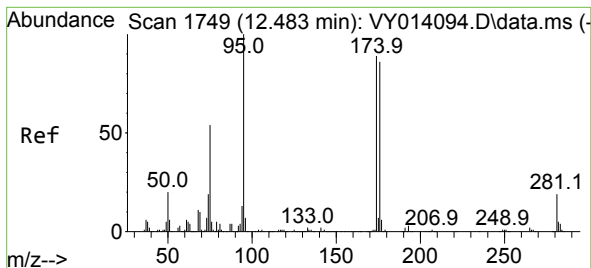
Tgt Ion:117 Resp: 18551
Ion Ratio Lower Upper
117 100
119 5.8 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 47.670 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.005 min
Lab File: VY014502.D
Acq: 29 Jun 2023 17:37

Tgt Ion: 98 Resp: 301693
Ion Ratio Lower Upper
98 100
100 63.7 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 42.728 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014502.D

Acq: 29 Jun 2023 17:37

Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-TOPSOIL-013

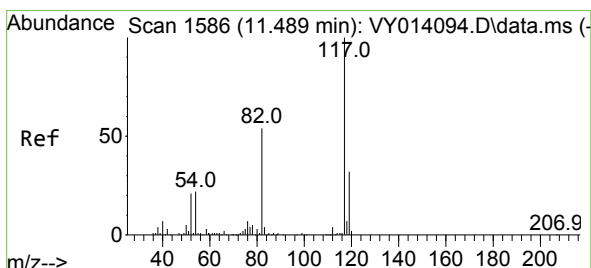
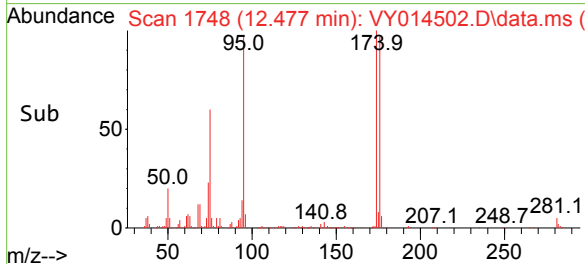
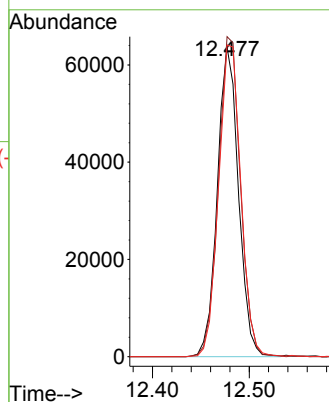
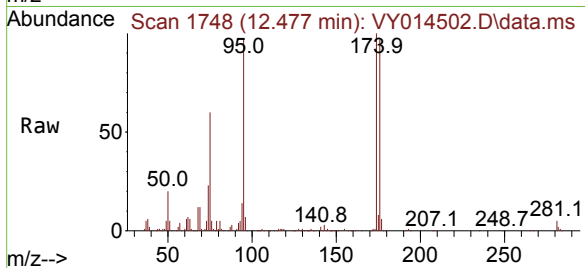
Tgt Ion: 95 Resp: 96541

Ion Ratio Lower Upper

95 100

174 107.5 0.0 178.2

176 105.8 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: VY014502.D

Acq: 29 Jun 2023 17:37

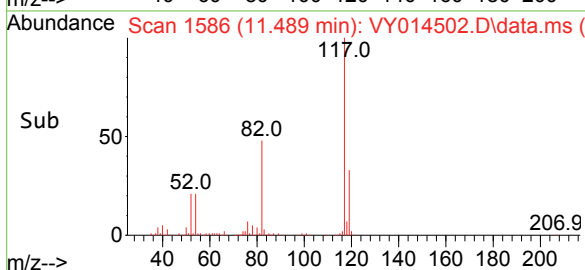
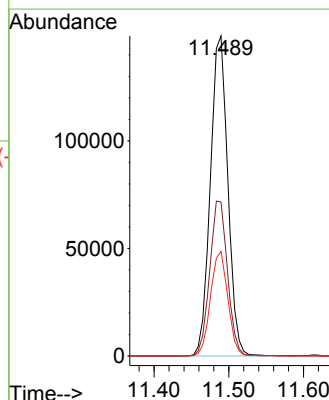
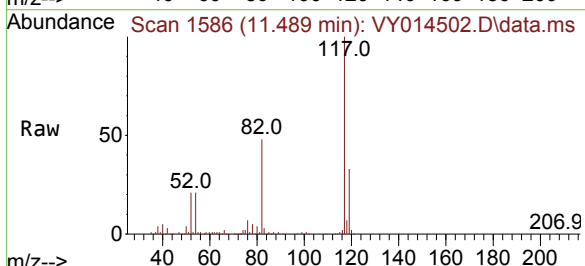
Tgt Ion: 117 Resp: 241595

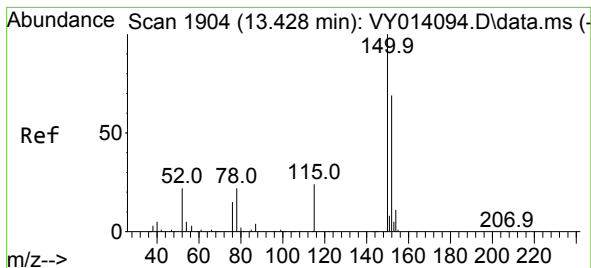
Ion Ratio Lower Upper

117 100

82 48.1 43.4 65.0

119 32.7 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: VY014502.D

Acq: 29 Jun 2023 17:37

Instrument :

MSVOA_Y

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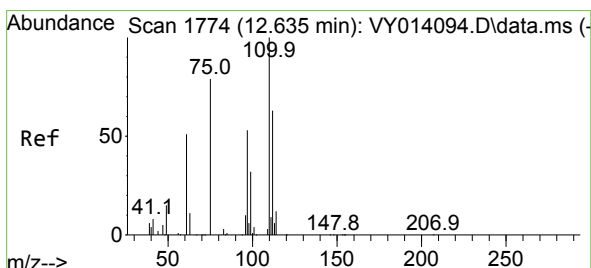
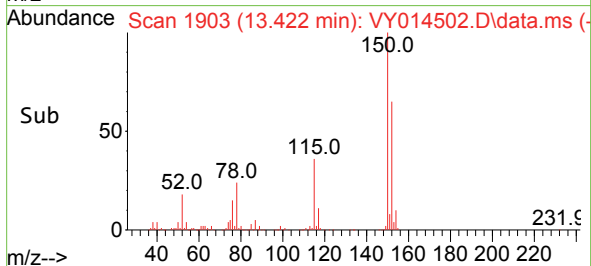
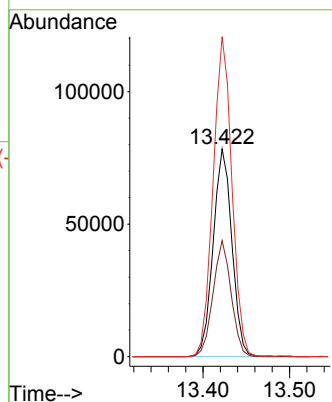
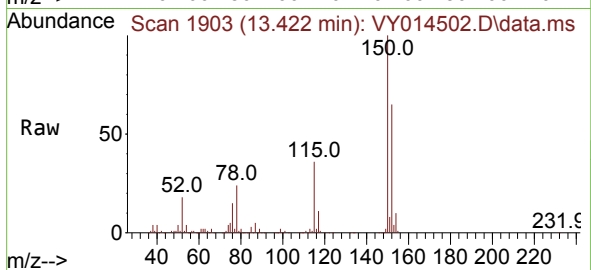
Tgt Ion:152 Resp: 117786

Ion Ratio Lower Upper

152 100

115 54.1 28.8 86.5

150 154.3 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 39.431 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014502.D

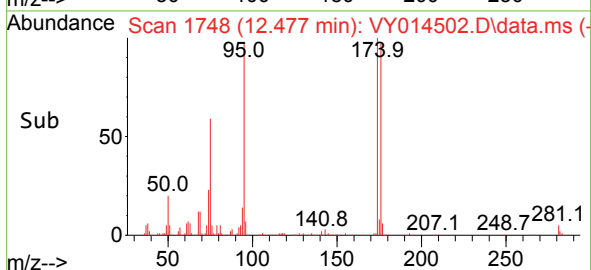
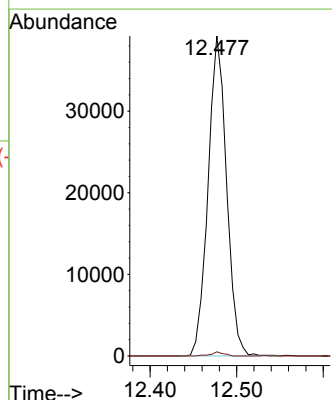
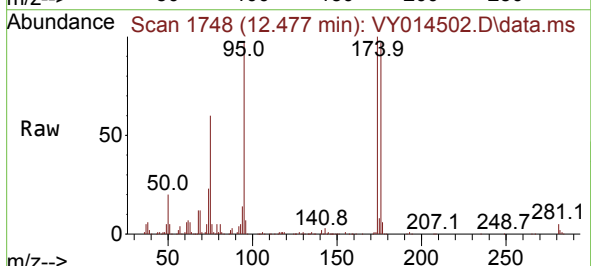
Acq: 29 Jun 2023 17:37

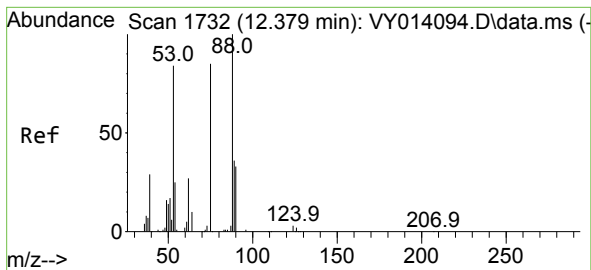
Tgt Ion: 75 Resp: 58261

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.772 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014502.D
 Acq: 29 Jun 2023 17:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-TOPSOIL-013

Tgt Ion: 75 Resp: 58261
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#

