

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062923\
 Data File : VY014506.D
 Acq On : 29 Jun 2023 19:11
 Operator : KP/MD
 Sample : 03473-12
 Misc : 5.84g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-TOPSOIL-017

Quant Time: Jun 30 04:12:40 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)

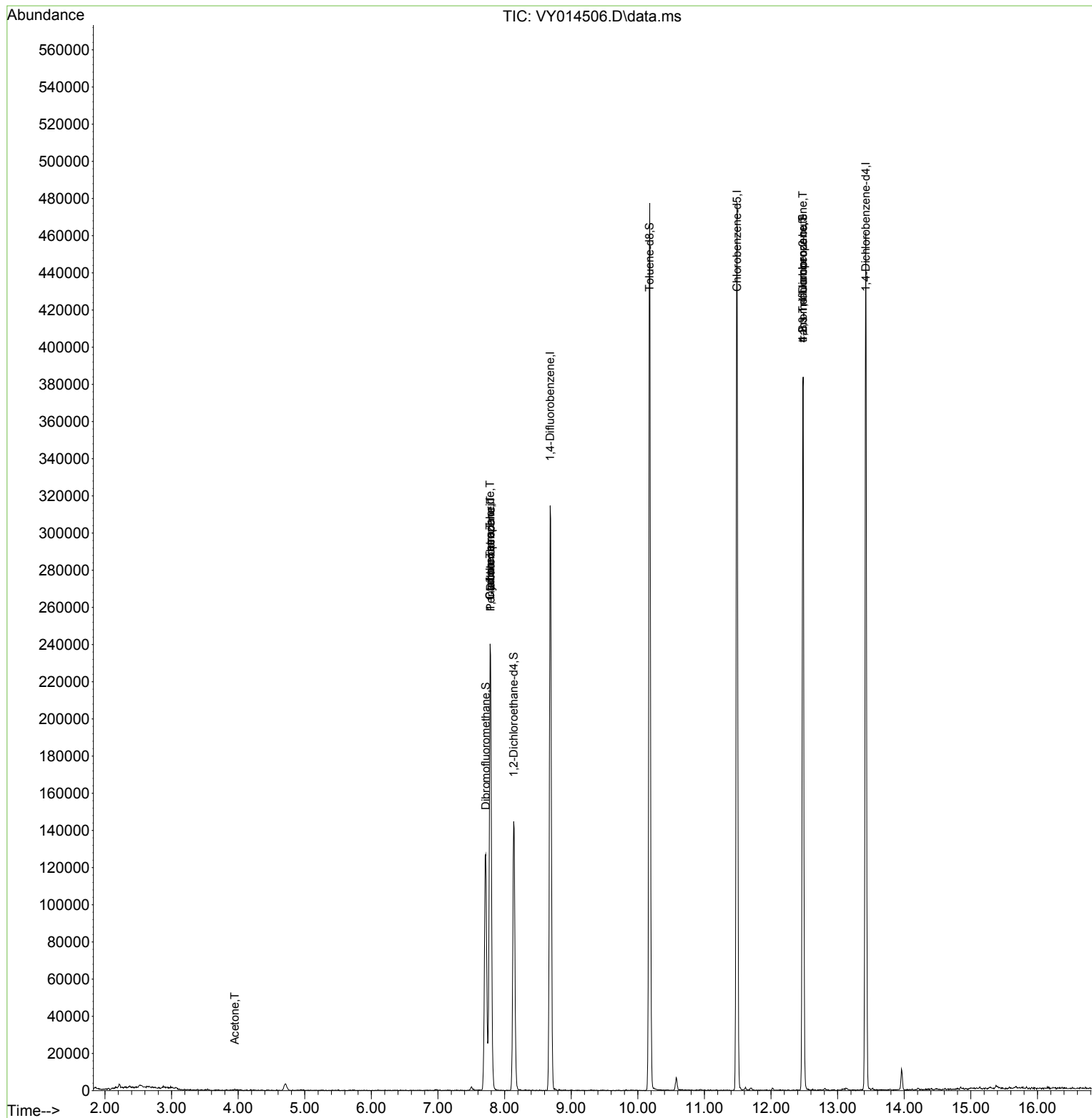
Internal Standards						
1) Pentafluorobenzene	7.789	168	191371	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	267829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	252365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	122868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	136186	57.316	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.640%
35) Dibromofluoromethane	7.716	113	80553	48.681	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.360%
50) Toluene-d8	10.179	98	308607	46.918	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.840%
62) 4-Bromofluorobenzene	12.477	95	100064	42.612	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.220%
Target Compounds						
11) Tert butyl alcohol	4.960	59	306	Below Cal	#	89
16) Acetone	3.948	43	1098	1.469	ug/l #	83
20) Methylene Chloride	4.710	84	2808	Below Cal	#	65
31) Cyclohexane	7.783	56	3713	1.265	ug/l #	34
36) 1,1-Dichloropropene	7.789	75	12779	5.012	ug/l #	53
38) Carbon Tetrachloride	7.783	117	18832	5.869	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	60832	39.468	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	60832	89.857	ug/l #	11

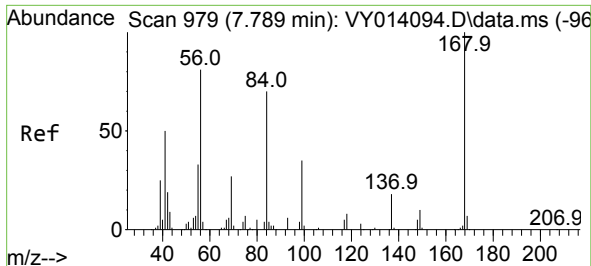
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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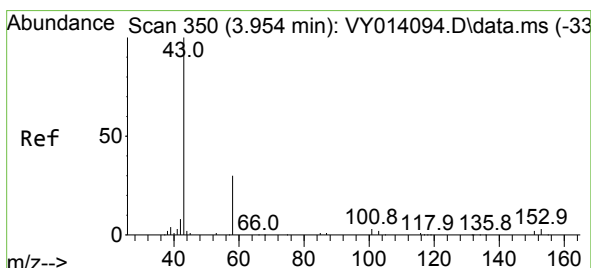
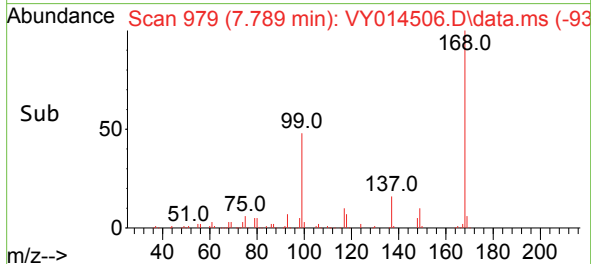
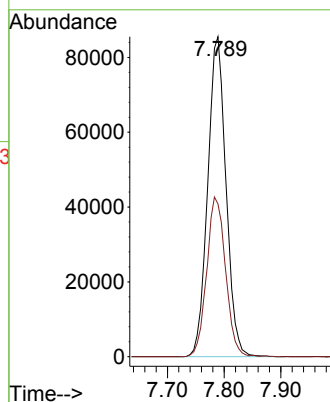
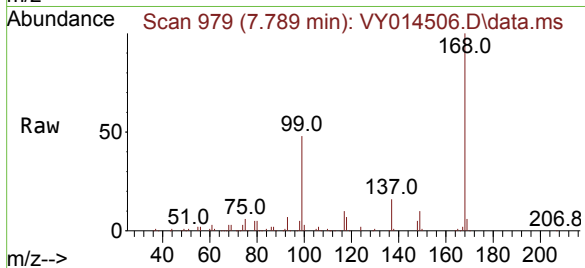




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014506.D
Acq: 29 Jun 2023 19:11

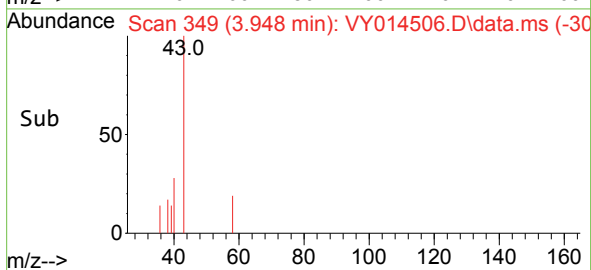
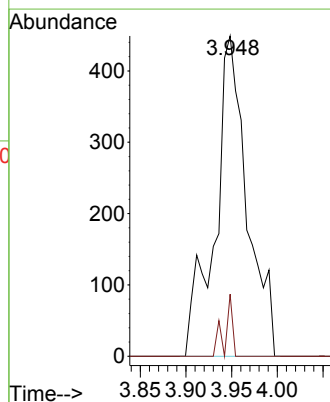
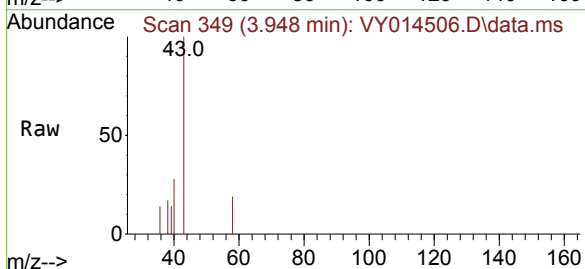
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-TOPSOIL-017

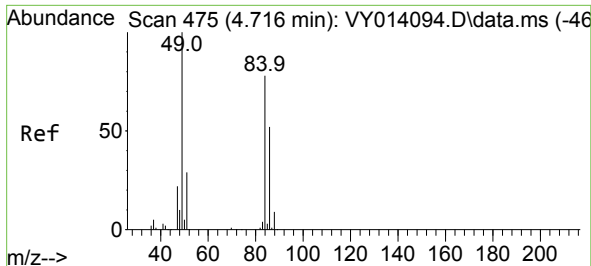
Tgt Ion:168 Resp: 191371
Ion Ratio Lower Upper
168 100
99 47.8 43.4 65.0



#16
Acetone
Concen: 1.469 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014506.D
Acq: 29 Jun 2023 19:11

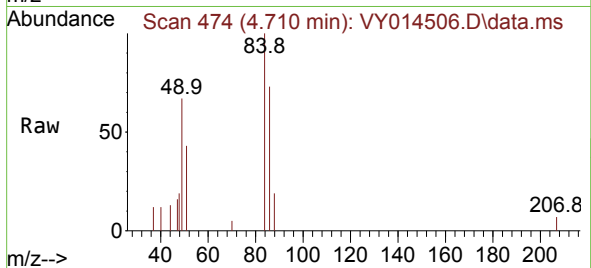
Tgt Ion: 43 Resp: 1098
Ion Ratio Lower Upper
43 100
58 19.4 22.7 34.1#



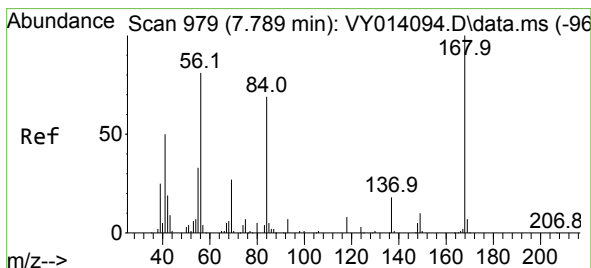
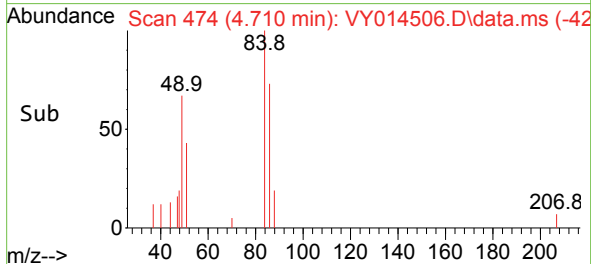
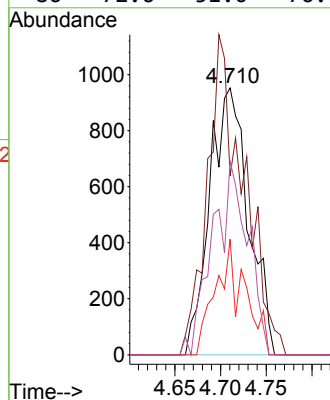


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY014506.D
Acq: 29 Jun 2023 19:11

Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-TOPSOIL-017

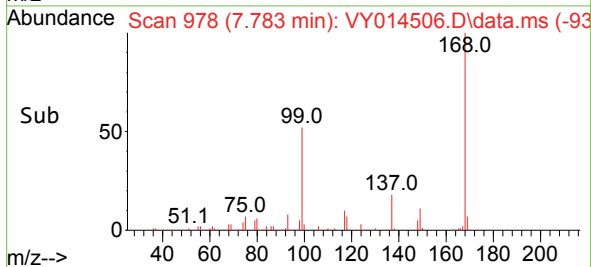
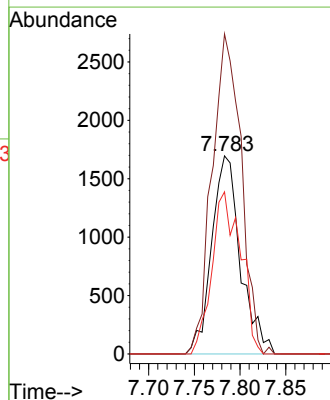
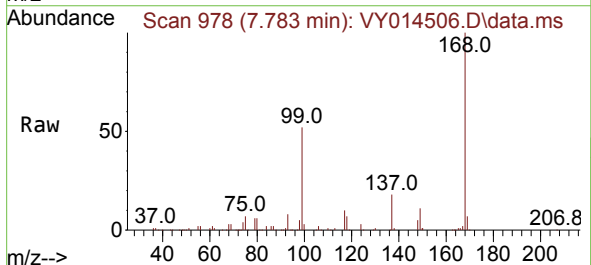


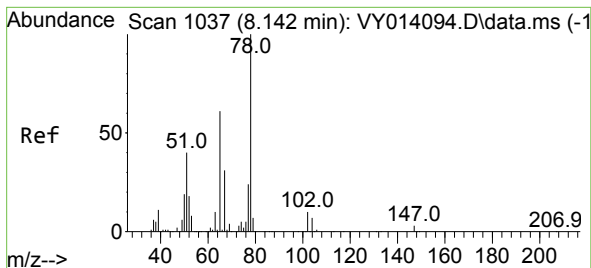
Tgt Ion: 84 Resp: 2808
Ion Ratio Lower Upper
84 100
49 66.9 106.9 160.3#
51 43.3 33.2 49.8
86 72.6 51.0 76.6



#31
Cyclohexane
Concen: 1.265 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY014506.D
Acq: 29 Jun 2023 19:11

Tgt Ion: 56 Resp: 3713
Ion Ratio Lower Upper
56 100
69 161.6 27.8 41.6#
84 81.9 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 57.316 ug/l

RT: 8.136 min Scan# 1037

Delta R.T. -0.005 min

Lab File: VY014506.D

Acq: 29 Jun 2023 19:11

Instrument :

MSVOA_Y

ClientSampleId :

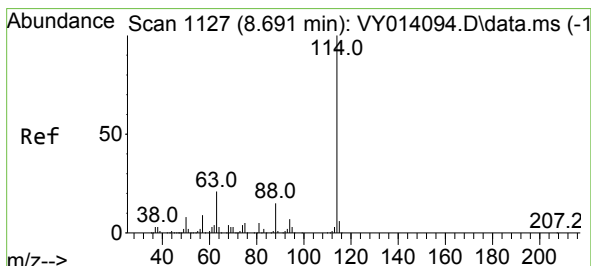
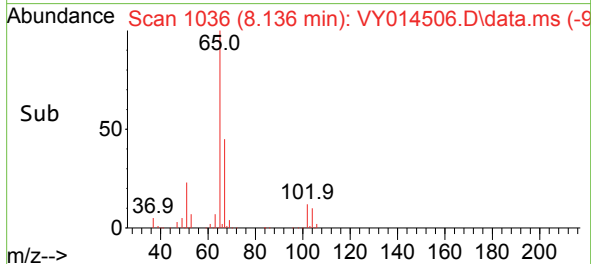
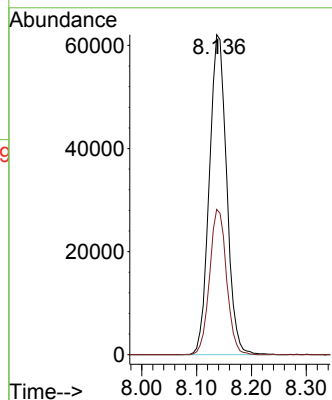
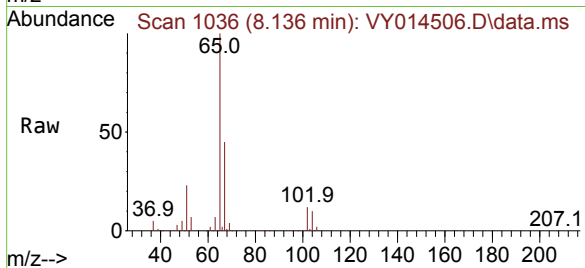
CMC-EME-TOPSOIL-017

Tgt Ion: 65 Resp: 136186

Ion Ratio Lower Upper

65 100

67 44.3 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: VY014506.D

Acq: 29 Jun 2023 19:11

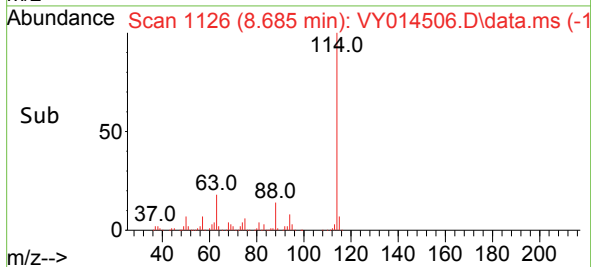
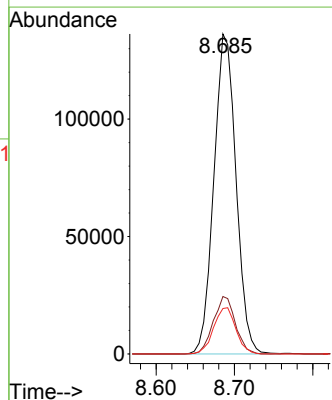
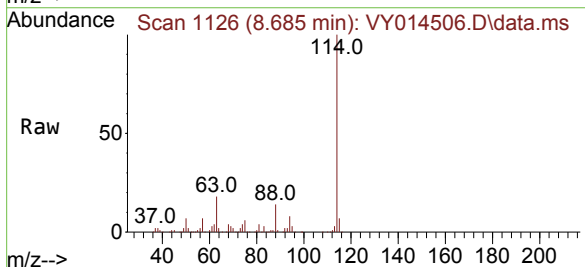
Tgt Ion: 114 Resp: 267829

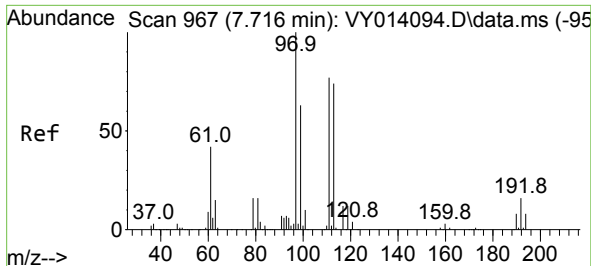
Ion Ratio Lower Upper

114 100

63 17.9 0.0 42.4

88 14.2 0.0 30.6

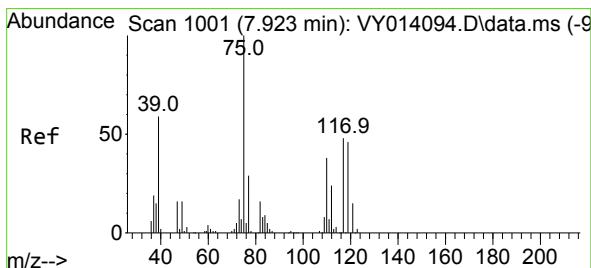
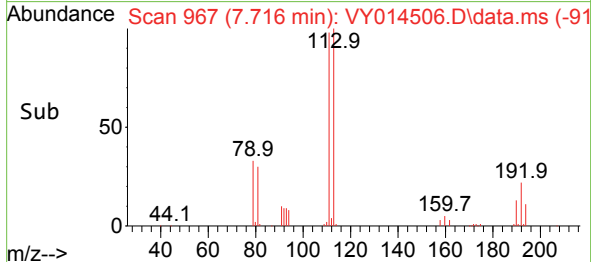
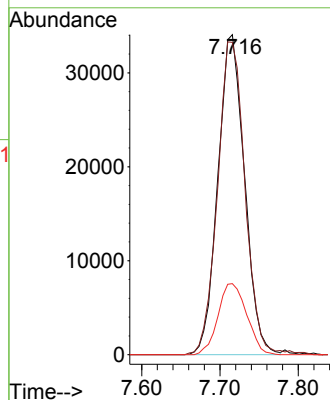
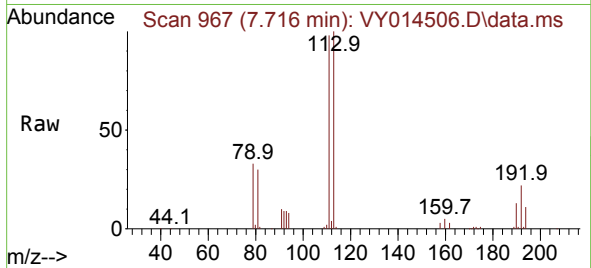




#35
Dibromofluoromethane
Concen: 48.681 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014506.D
Acq: 29 Jun 2023 19:11

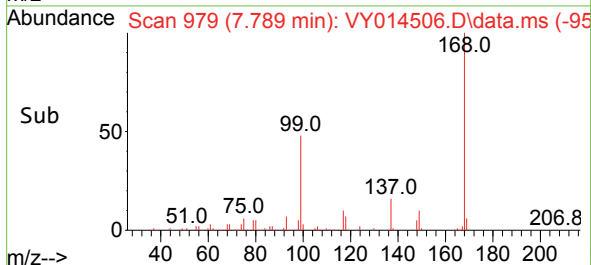
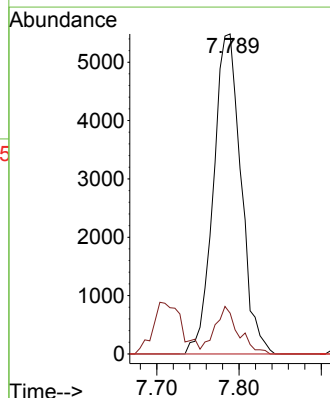
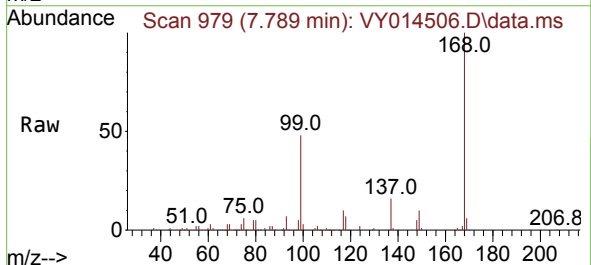
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-TOPSOIL-017

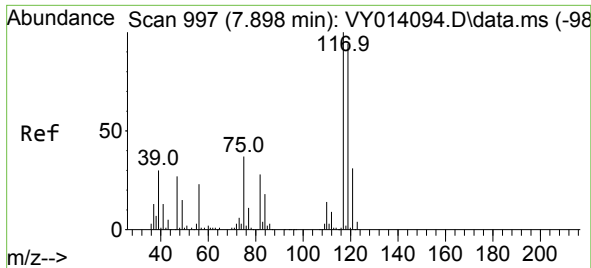
Tgt Ion:113 Resp: 80553
Ion Ratio Lower Upper
113 100
111 100.9 81.3 121.9
192 23.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.012 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014506.D
Acq: 29 Jun 2023 19:11

Tgt Ion: 75 Resp: 12779
Ion Ratio Lower Upper
75 100
110 12.7 17.8 53.5#
77 0.0 24.4 36.6#

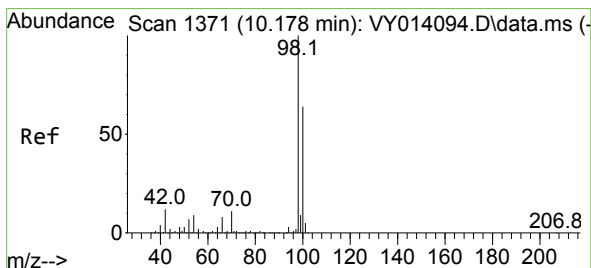
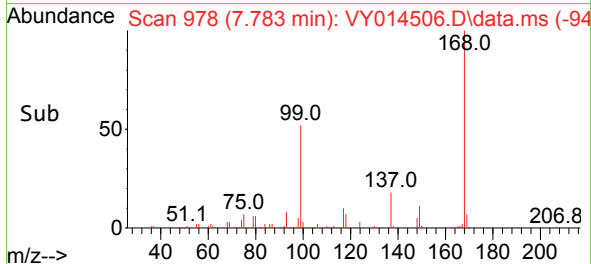
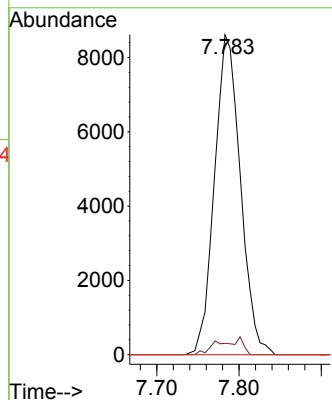
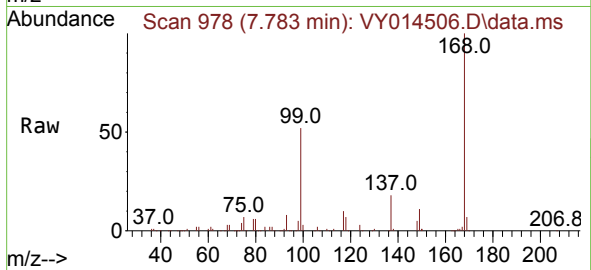




#38
Carbon Tetrachloride
Concen: 5.869 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY014506.D
Acq: 29 Jun 2023 19:11

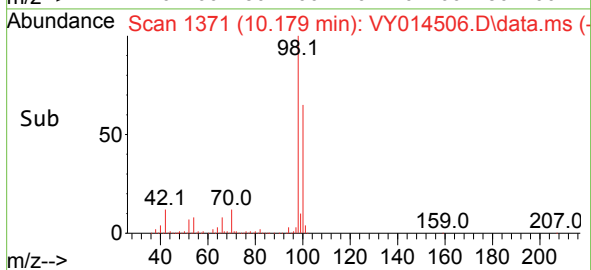
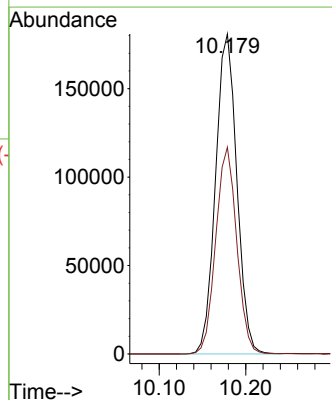
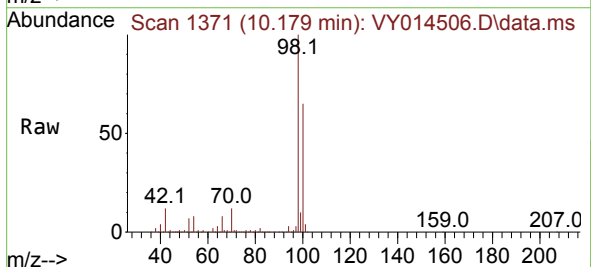
Instrument :
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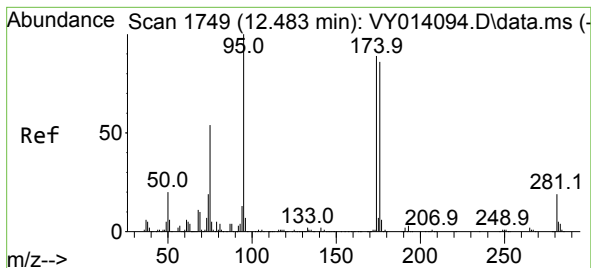
Tgt Ion:117 Resp: 18832
Ion Ratio Lower Upper
117 100
119 3.6 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 46.918 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014506.D
Acq: 29 Jun 2023 19:11

Tgt Ion: 98 Resp: 308607
Ion Ratio Lower Upper
98 100
100 63.8 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 42.612 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014506.D

Acq: 29 Jun 2023 19:11

Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-TOPSOIL-017

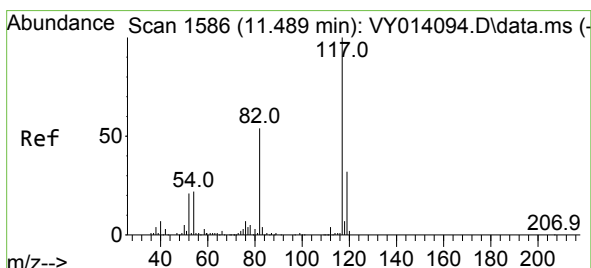
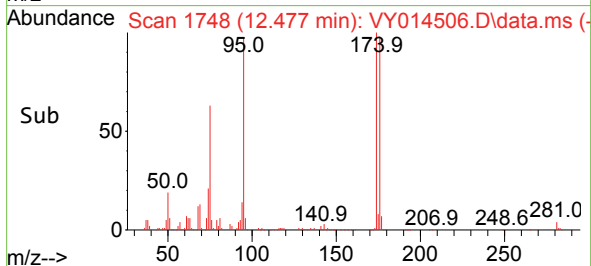
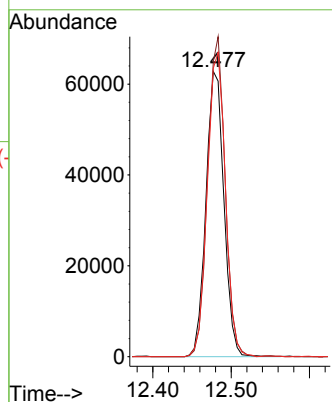
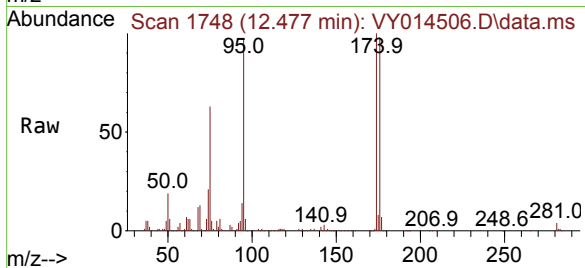
Tgt Ion: 95 Resp: 100064

Ion Ratio Lower Upper

95 100

174 109.3 0.0 178.2

176 107.1 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: VY014506.D

Acq: 29 Jun 2023 19:11

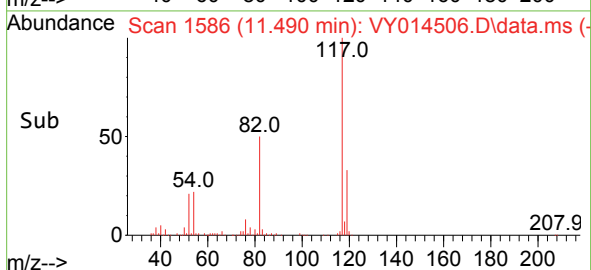
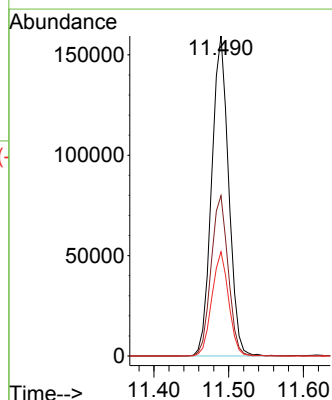
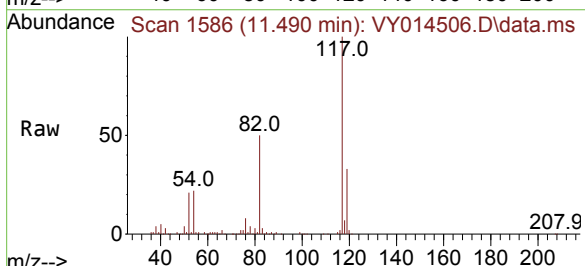
Tgt Ion: 117 Resp: 252365

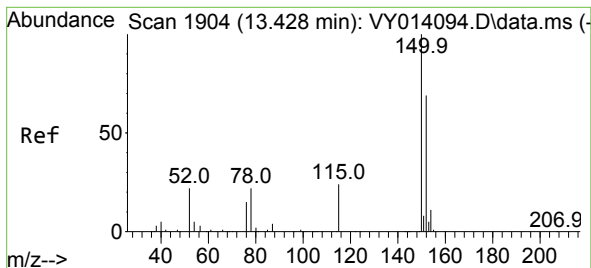
Ion Ratio Lower Upper

117 100

82 50.1 43.4 65.0

119 32.6 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: VY014506.D

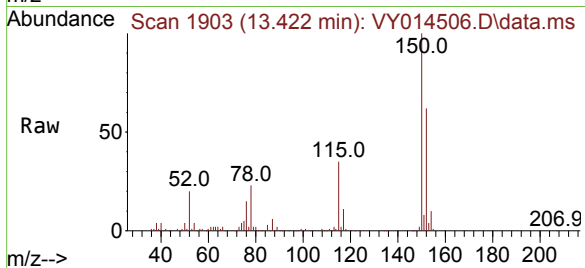
Acq: 29 Jun 2023 19:11

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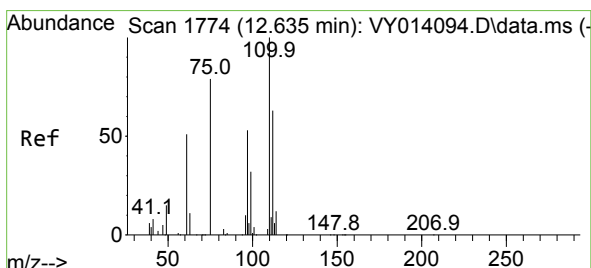
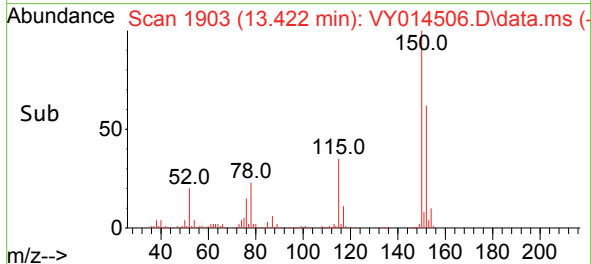
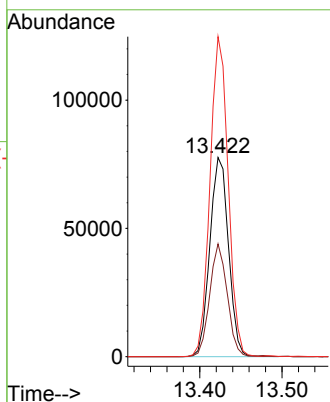
Tgt Ion:152 Resp: 122868

Ion Ratio Lower Upper

152 100

115 53.1 28.8 86.5

150 155.6 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 39.468 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014506.D

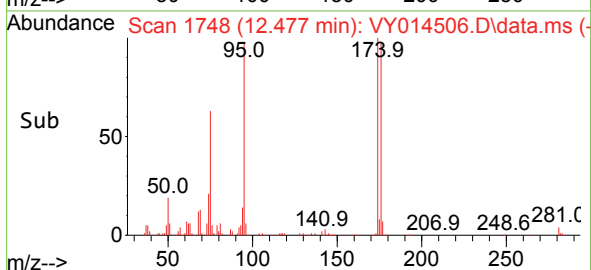
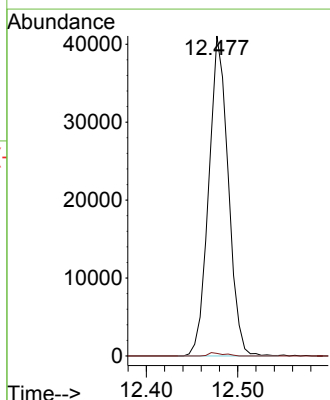
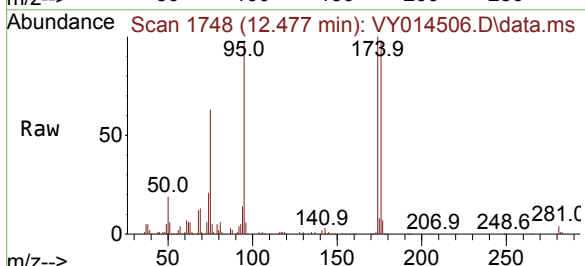
Acq: 29 Jun 2023 19:11

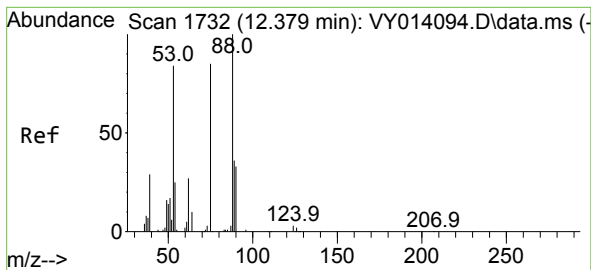
Tgt Ion: 75 Resp: 60832

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.857 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014506.D
 Acq: 29 Jun 2023 19:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-TOPSOIL-017

Tgt Ion: 75 Resp: 60832
 Ion Ratio Lower Upper
 75 100
 53 0.4 77.8 116.8#
 89 0.0 37.4 56.0#

