

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061323\
 Data File : VY014141.D
 Acq On : 13 Jun 2023 15:52
 Operator : KP/MD
 Sample : 03141-04
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-Topsoil-004 RE

Quant Time: Jun 14 01:36:22 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)

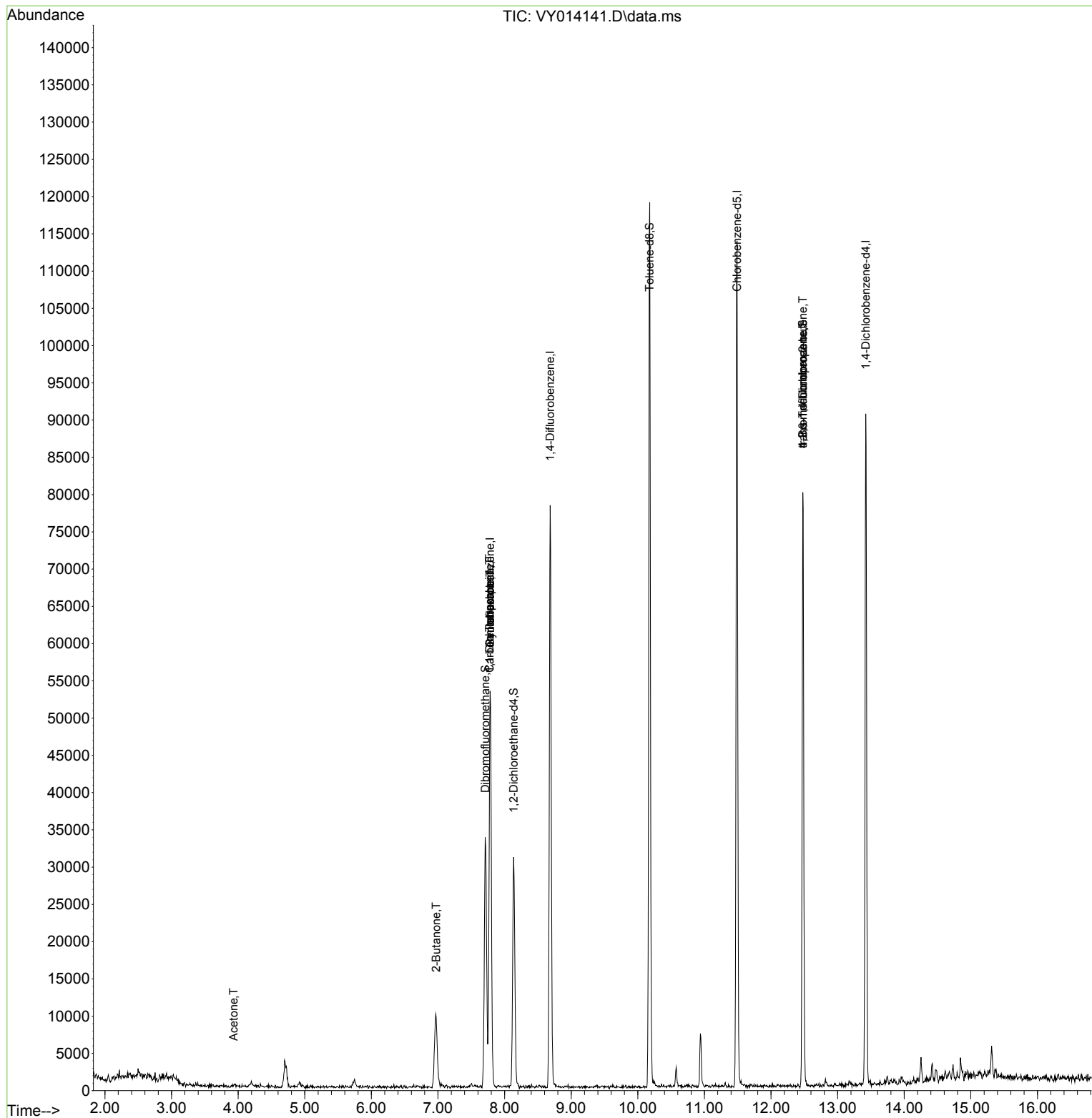
Internal Standards						
1) Pentafluorobenzene	7.783	168	41966	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	65553	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	61673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	24596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	26009	44.507	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.020%
35) Dibromofluoromethane	7.710	113	23022	49.522	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.040%
50) Toluene-d8	10.179	98	79960	46.006	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.020%
62) 4-Bromofluorobenzene	12.477	95	22879	37.057	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.120%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.918	59	568	Below Cal	#	89
13) Acrolein	3.729	56	27	Below Cal	#	14
16) Acetone	3.930	43	377	2.140	ug/l #	46
25) 2-Butanone	6.972	43	672	3.099	ug/l #	49
31) Cyclohexane	7.783	56	1119	1.429	ug/l #	44
36) 1,1-Dichloropropene	7.777	75	3390	4.677	ug/l #	50
38) Carbon Tetrachloride	7.777	117	4218	5.043	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	11830	36.660	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	11830	79.245	ug/l #	10

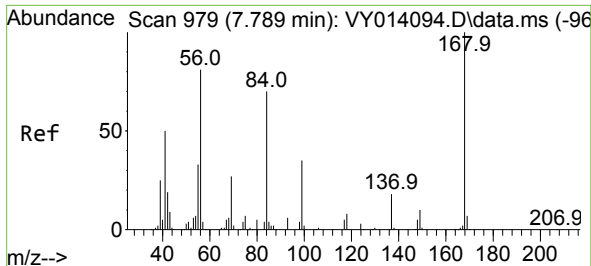
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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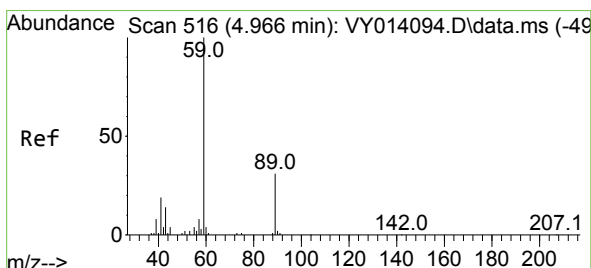
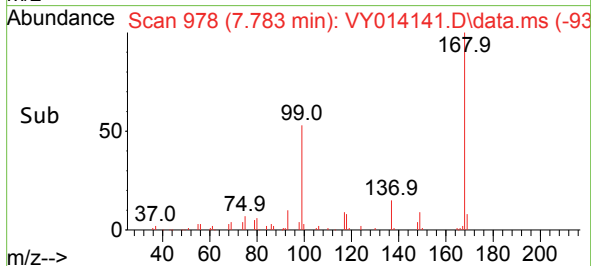
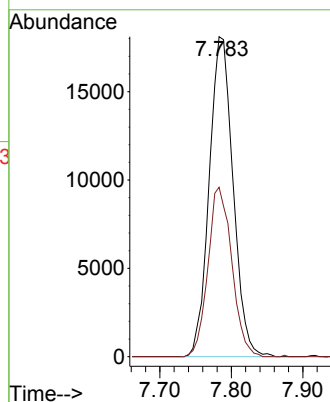
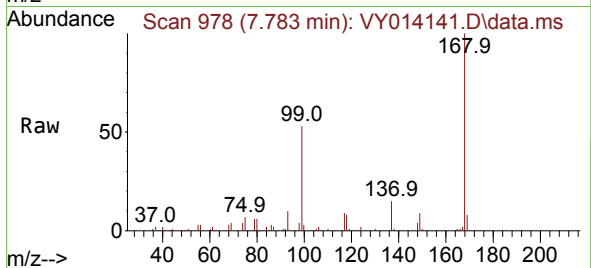




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014141.D
Acq: 13 Jun 2023 15:52

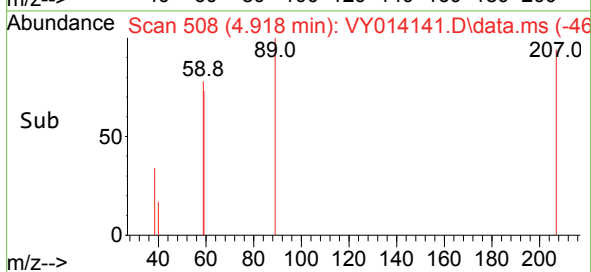
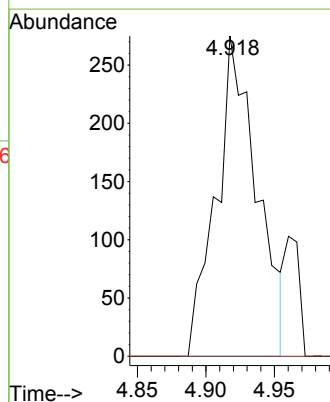
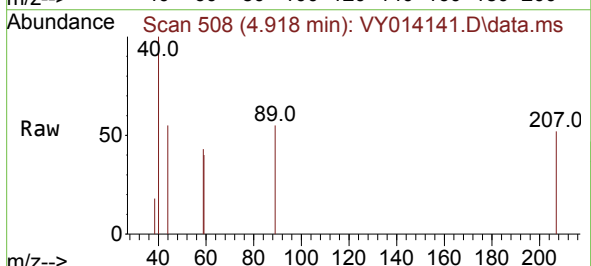
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-Topsoil-004 RE

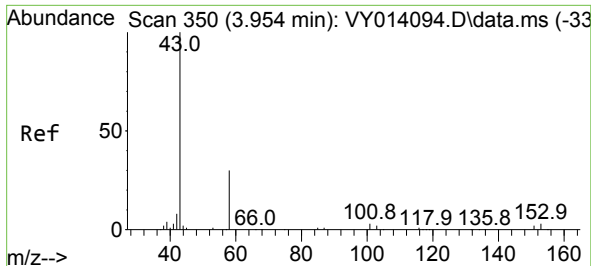
Tgt Ion:168 Resp: 41966
Ion Ratio Lower Upper
168 100
99 52.9 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.048 min
Lab File: VY014141.D
Acq: 13 Jun 2023 15:52

Tgt Ion: 59 Resp: 568
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

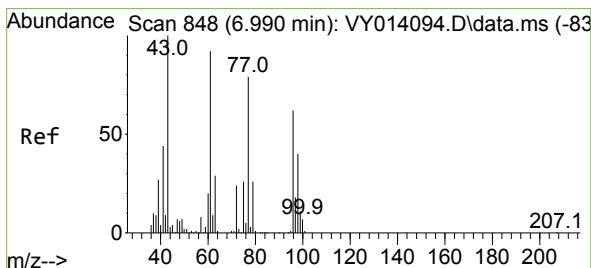
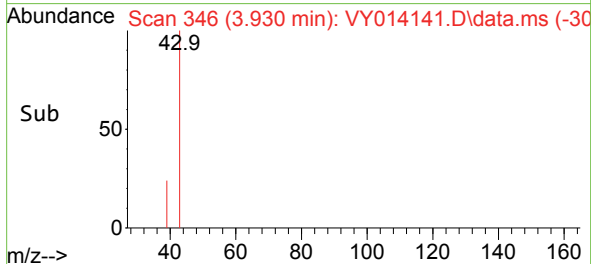
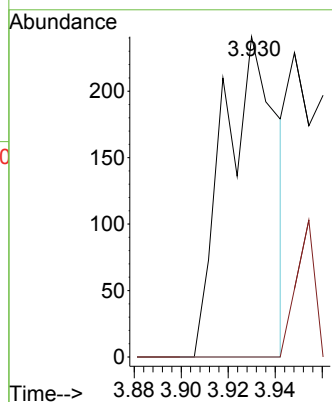
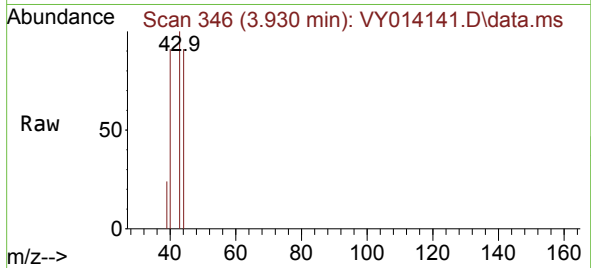




#16
Acetone
Concen: 2.140 ug/l
RT: 3.930 min Scan# 34
Delta R.T. -0.024 min
Lab File: VY014141.D
Acq: 13 Jun 2023 15:52

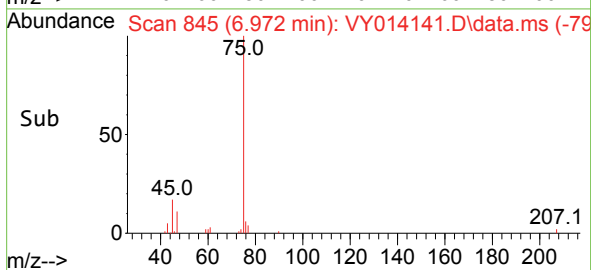
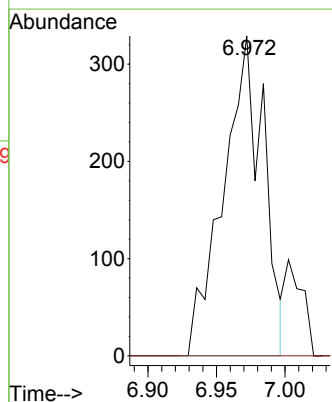
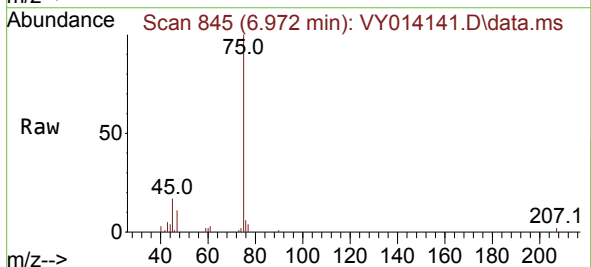
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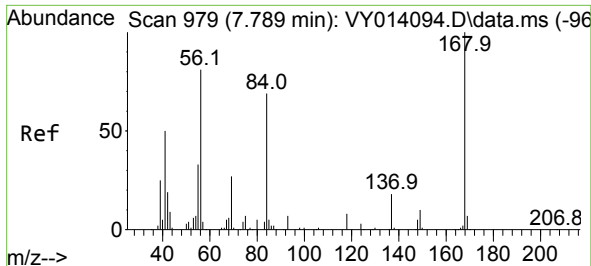
Tgt Ion: 43 Resp: 377
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#25
2-Butanone
Concen: 3.099 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.018 min
Lab File: VY014141.D
Acq: 13 Jun 2023 15:52

Tgt Ion: 43 Resp: 672
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#

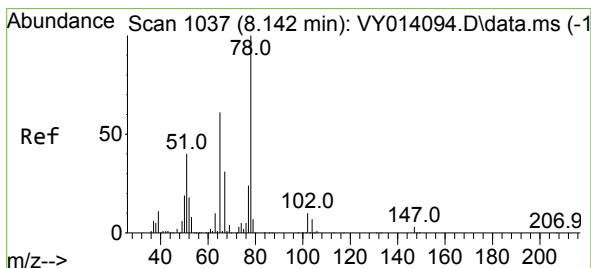
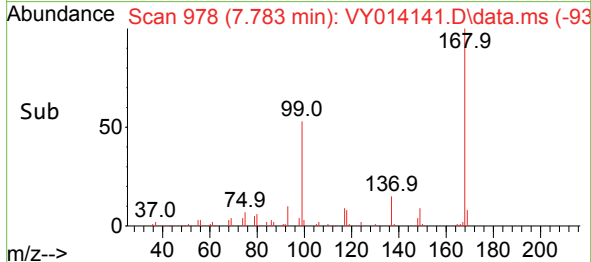
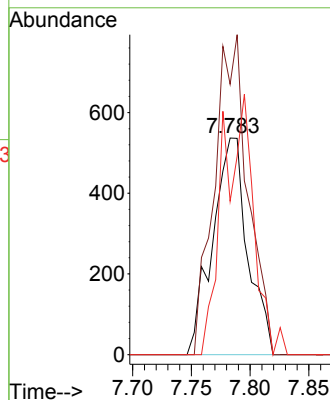
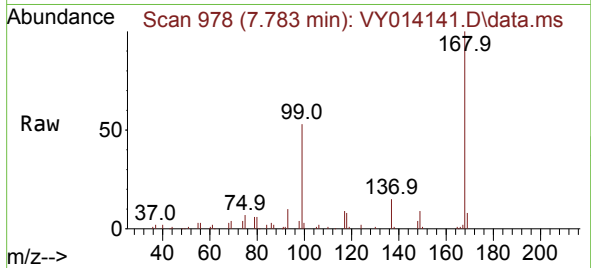




#31
Cyclohexane
Concen: 1.429 ug/l
RT: 7.783 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY014141.D
Acq: 13 Jun 2023 15:52

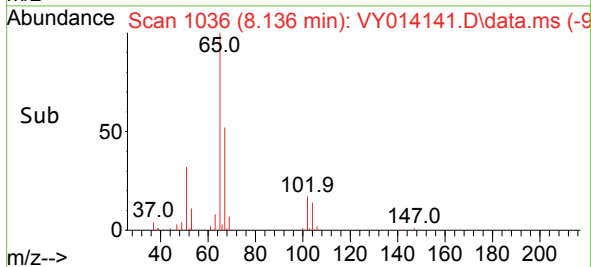
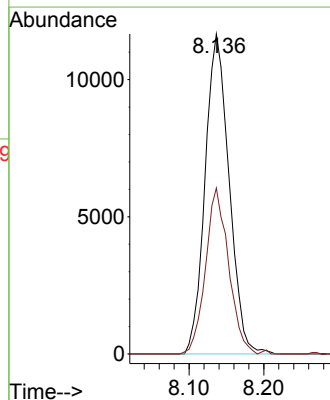
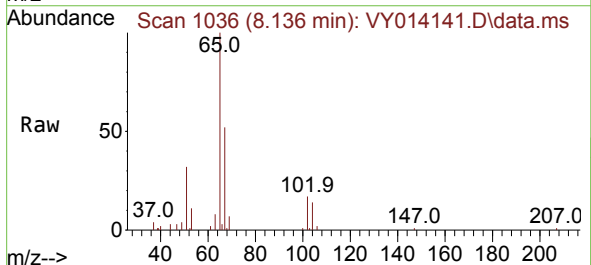
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-Topsoil-004 RE

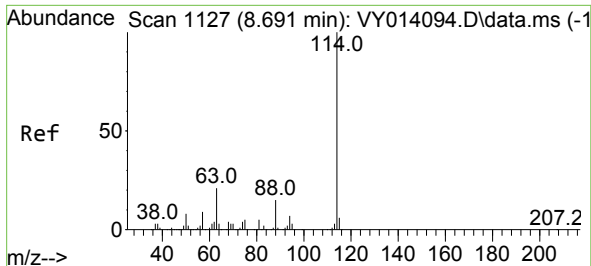
Tgt Ion: 56 Resp: 1119
Ion Ratio Lower Upper
56 100
69 124.8 27.8 41.6#
84 70.8 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 44.507 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014141.D
Acq: 13 Jun 2023 15:52

Tgt Ion: 65 Resp: 26009
Ion Ratio Lower Upper
65 100
67 49.6 0.0 101.8

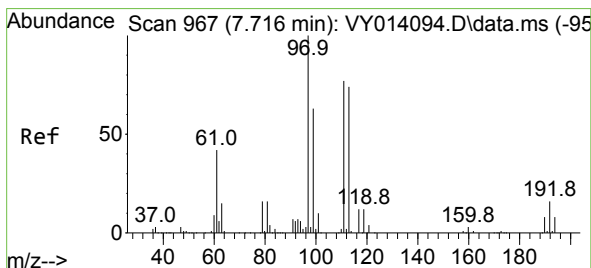
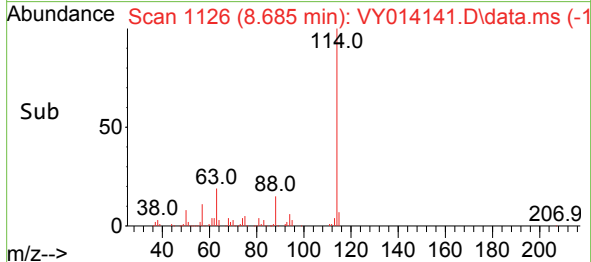
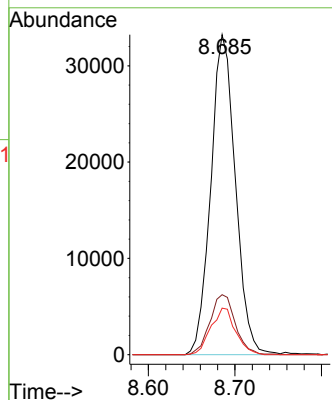
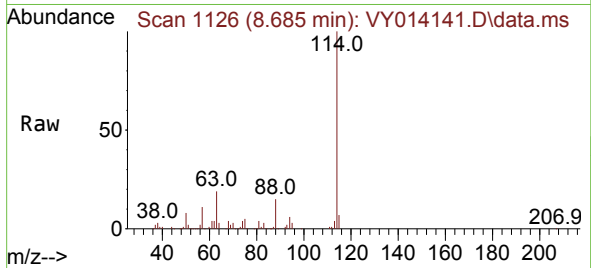




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY014141.D
 Acq: 13 Jun 2023 15:52

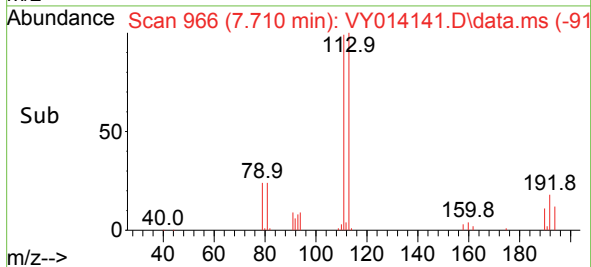
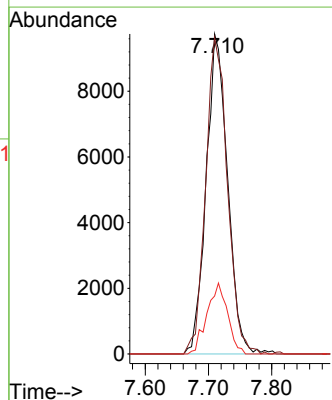
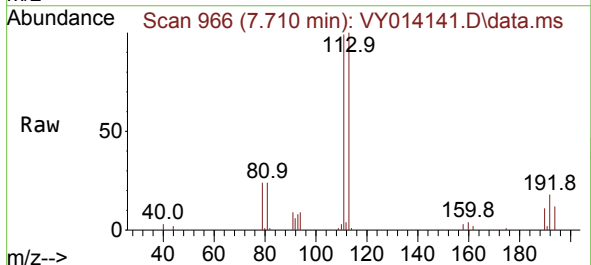
Instrument :
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 ClientSampleId :
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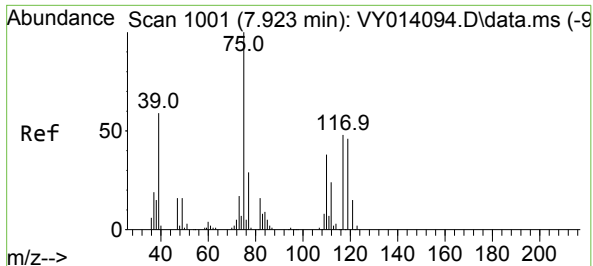
Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	42.4
88	14.5	0.0	30.6



#35
 Dibromofluoromethane
 Concen: 49.522 ug/l
 RT: 7.710 min Scan# 966
 Delta R.T. -0.006 min
 Lab File: VY014141.D
 Acq: 13 Jun 2023 15:52

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.3	81.3	121.9
192	21.2	16.9	25.3

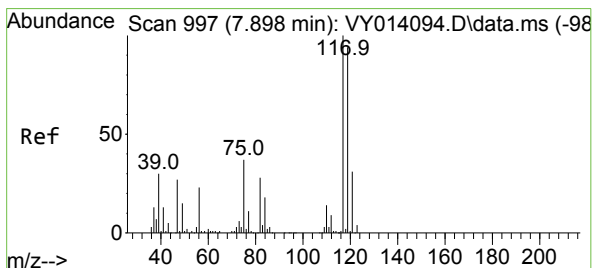
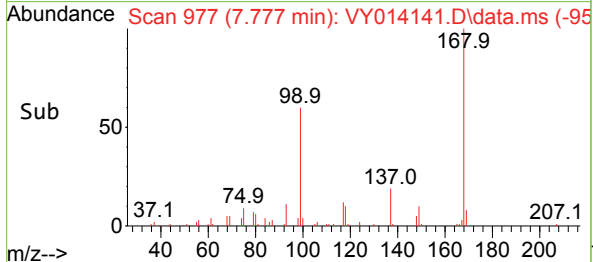
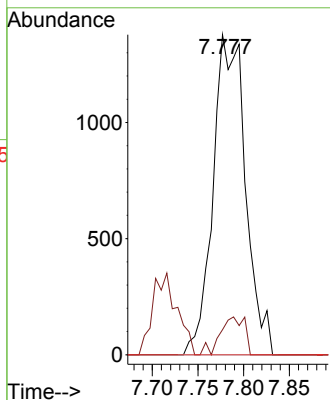
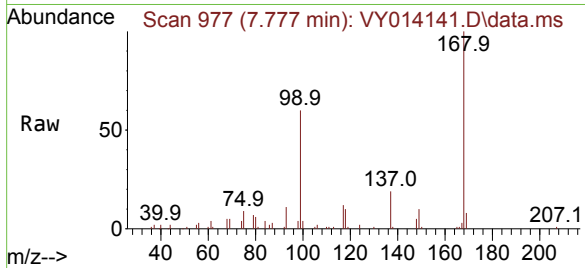




#36
1,1-Dichloropropene
Concen: 4.677 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.146 min
Lab File: VY014141.D
Acq: 13 Jun 2023 15:52

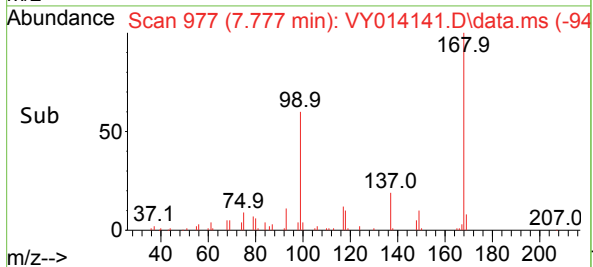
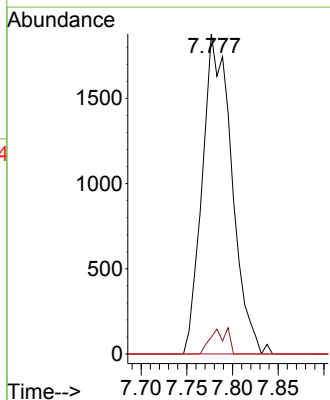
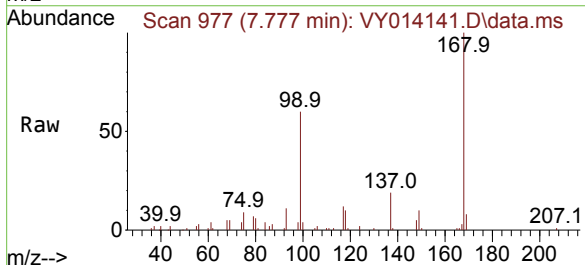
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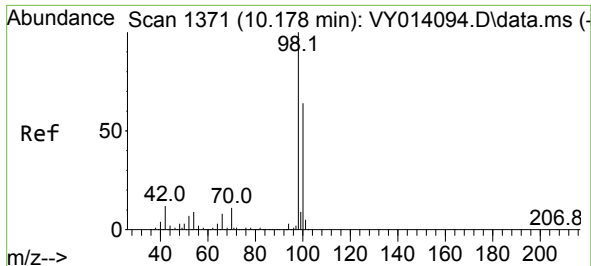
Tgt Ion: 75 Resp: 3390
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.043 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.121 min
Lab File: VY014141.D
Acq: 13 Jun 2023 15:52

Tgt Ion: 117 Resp: 4218
Ion Ratio Lower Upper
117 100
119 5.3 76.4 114.6#
121 0.0 25.8 38.6#

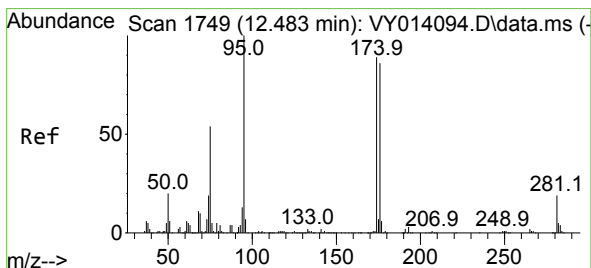
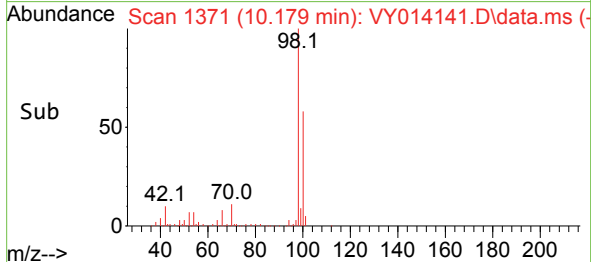
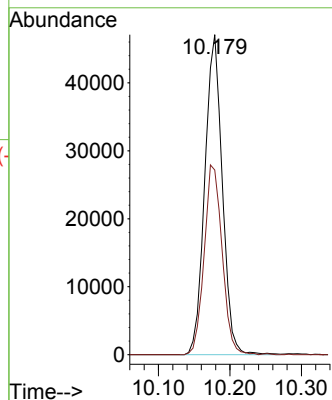
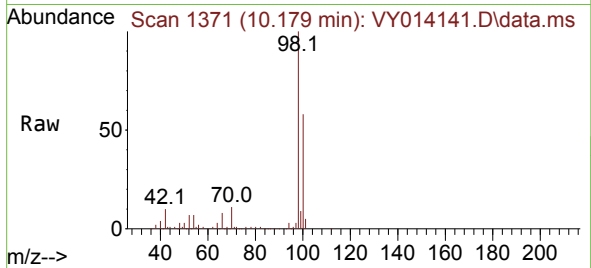




#50
Toluene-d8
Concen: 46.006 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014141.D
Acq: 13 Jun 2023 15:52

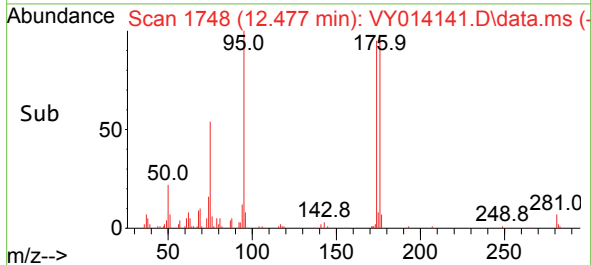
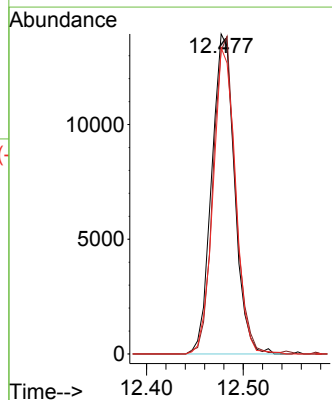
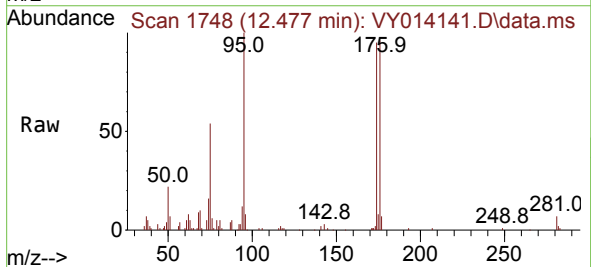
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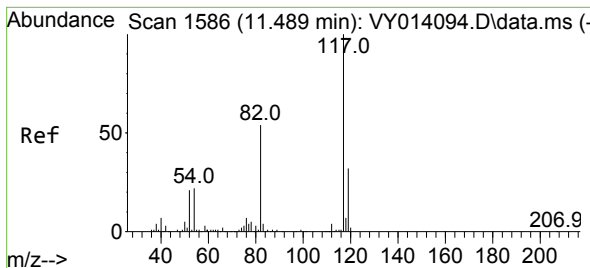
Tgt Ion: 98 Resp: 79960
Ion Ratio Lower Upper
98 100
100 60.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 37.057 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014141.D
Acq: 13 Jun 2023 15:52

Tgt Ion: 95 Resp: 22879
Ion Ratio Lower Upper
95 100
174 96.5 0.0 178.2
176 93.9 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014141.D

Acq: 13 Jun 2023 15:52

Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-Topsoil-004 RE

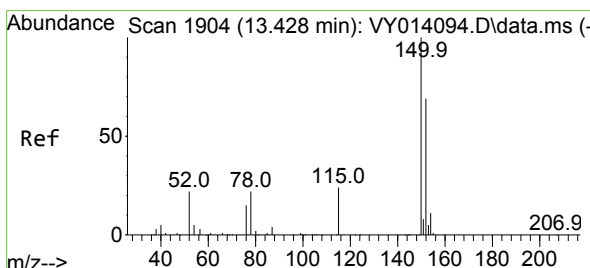
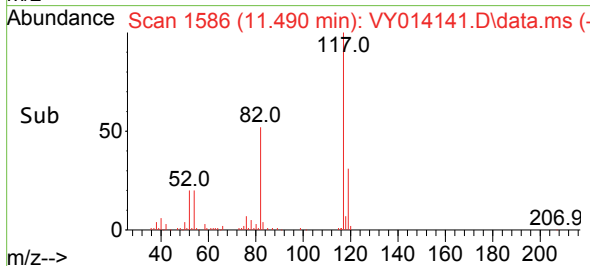
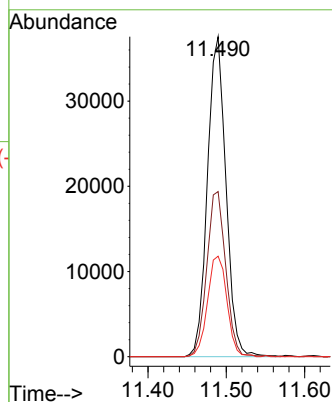
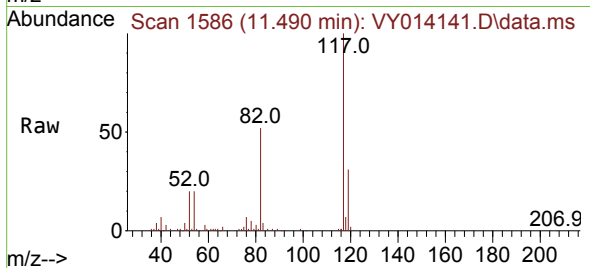
Tgt Ion:117 Resp: 61673

Ion Ratio Lower Upper

117 100

82 51.6 43.4 65.0

119 31.4 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: VY014141.D

Acq: 13 Jun 2023 15:52

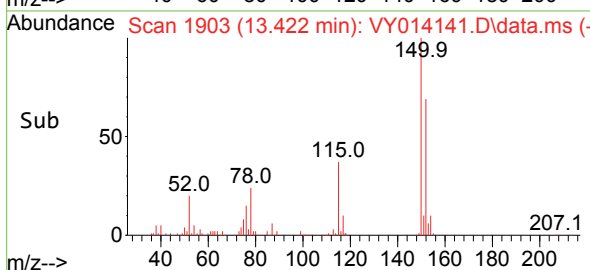
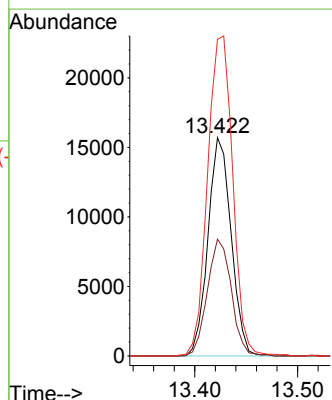
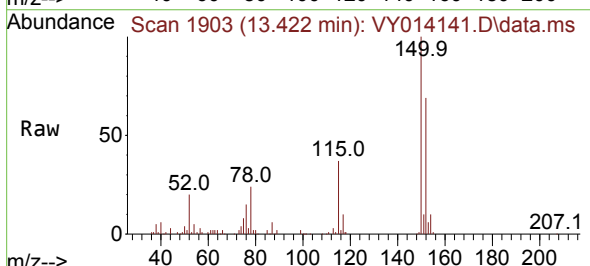
Tgt Ion:152 Resp: 24596

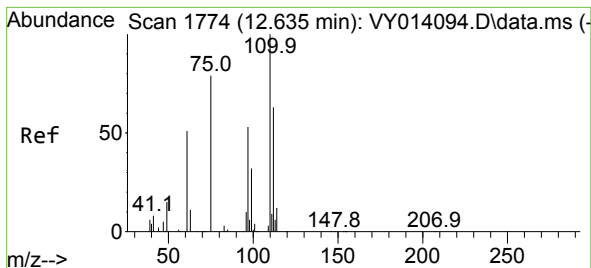
Ion Ratio Lower Upper

152 100

115 55.3 28.8 86.5

150 159.0 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 36.660 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014141.D

Acq: 13 Jun 2023 15:52

Instrument :

MSVOA_Y

ClientSampleId :

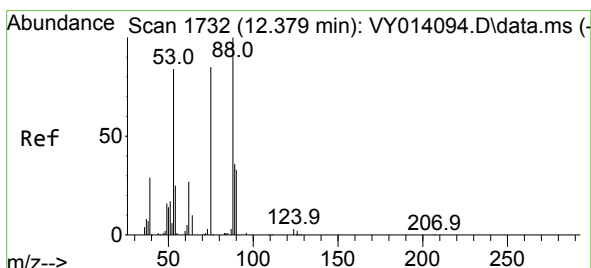
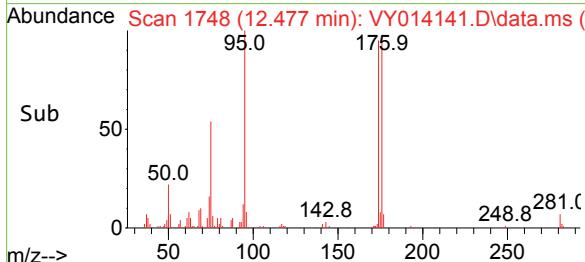
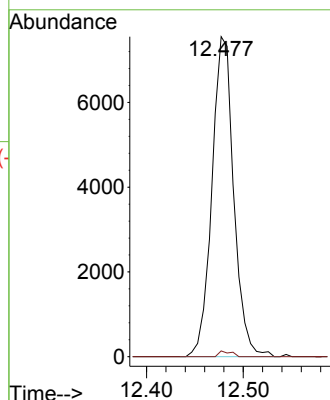
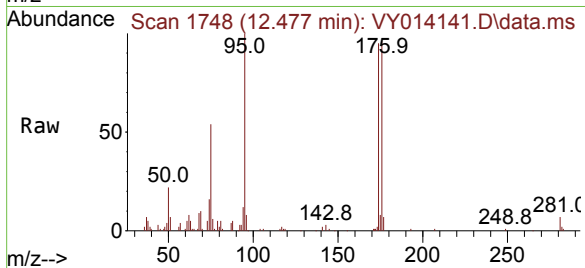
CMC-EME-Topsoil-004 RE

Tgt Ion: 75 Resp: 11830

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.245 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY014141.D

Acq: 13 Jun 2023 15:52

Tgt Ion: 75 Resp: 11830

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#

