

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062923\
 Data File : VY014497.D
 Acq On : 29 Jun 2023 15:39
 Operator : KP/MD
 Sample : 03473-03
 Misc : 5.42g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-TOPSOIL-007

Quant Time: Jun 30 04:09:50 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)

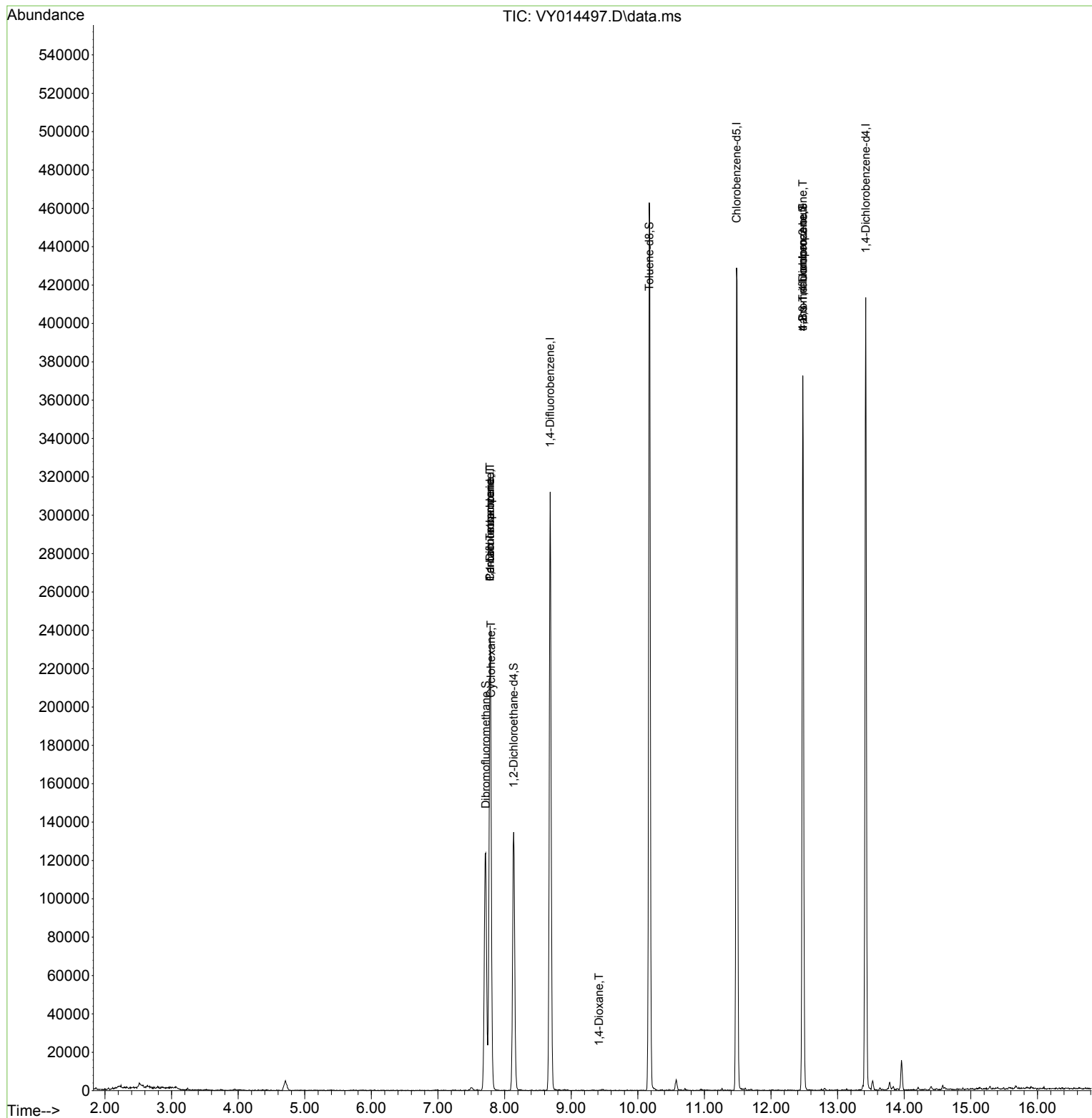
Internal Standards						
1) Pentafluorobenzene	7.783	168	186272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	255477	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	232393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	105780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	127026	54.925	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.840%			
35) Dibromofluoromethane	7.716	113	78855	49.959	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.920%			
50) Toluene-d8	10.173	98	306192	48.801	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.600%			
62) 4-Bromofluorobenzene	12.477	95	90032	40.194	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 80.380%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	208	Below Cal	#	89
20) Methylene Chloride	4.710	84	3763	Below Cal	#	78
31) Cyclohexane	7.795	56	3880	1.358	ug/l #	33
36) 1,1-Dichloropropene	7.783	75	12274	5.046	ug/l #	53
38) Carbon Tetrachloride	7.783	117	18154	5.931	ug/l #	16
49) 1,4-Dioxane	9.417	88	25	1.440	ug/l #	36
76) 1,2,3-Trichloropropane	12.477	75	56659	42.699	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	56659	97.213	ug/l #	11

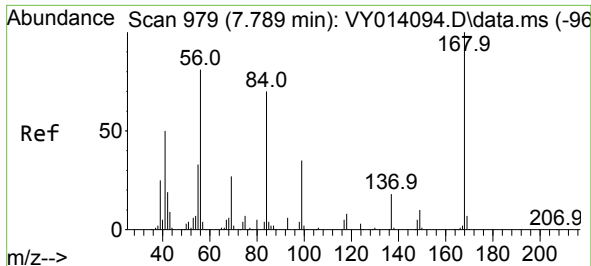
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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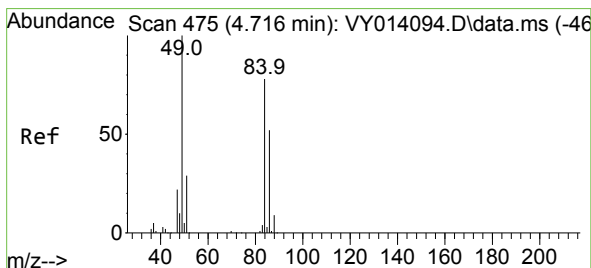
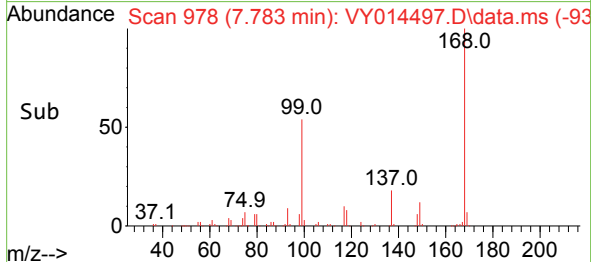
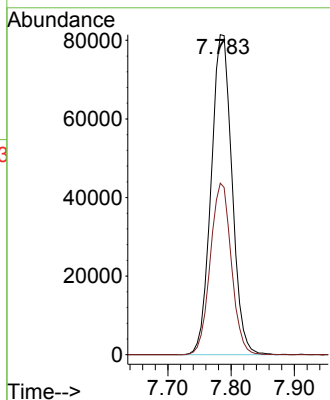
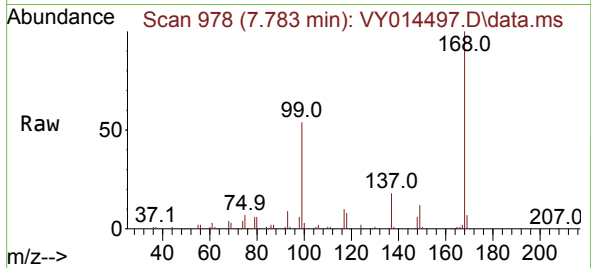




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014497.D
Acq: 29 Jun 2023 15:39

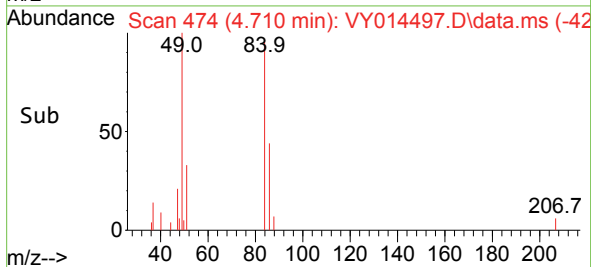
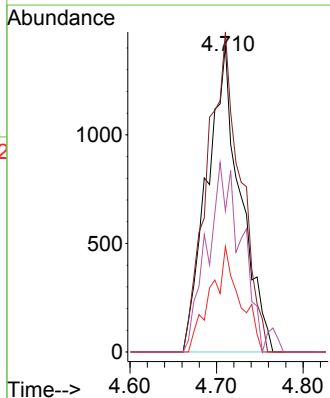
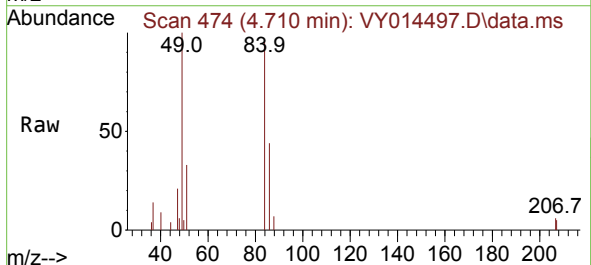
Instrument :
MSVOA_Y
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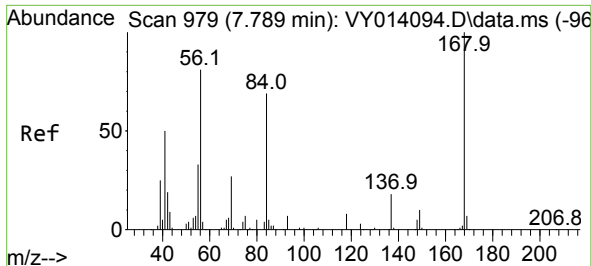
Tgt Ion:168 Resp: 186272
Ion Ratio Lower Upper
168 100
99 53.6 43.4 65.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY014497.D
Acq: 29 Jun 2023 15:39

Tgt Ion: 84 Resp: 3763
Ion Ratio Lower Upper
84 100
49 104.4 106.9 160.3#
51 34.4 33.2 49.8
86 46.0 51.0 76.6#

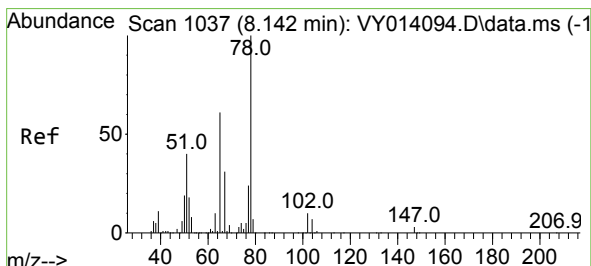
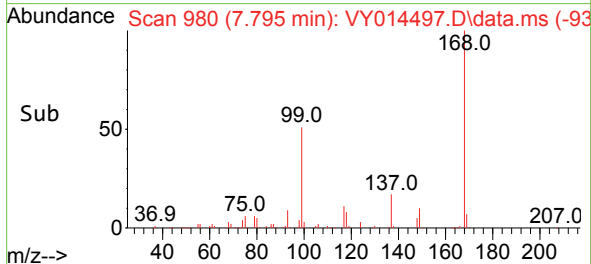
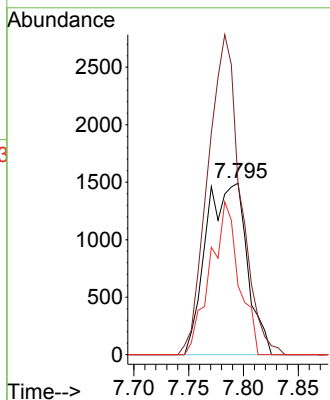
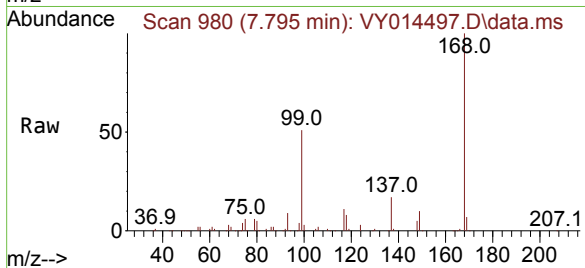




#31
Cyclohexane
Concen: 1.358 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014497.D
Acq: 29 Jun 2023 15:39

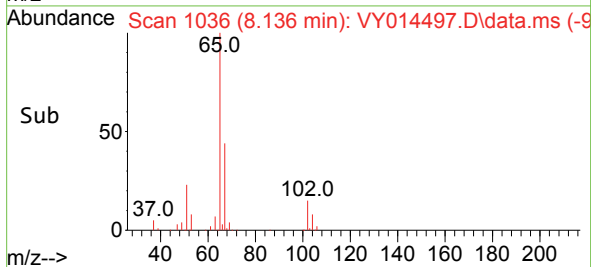
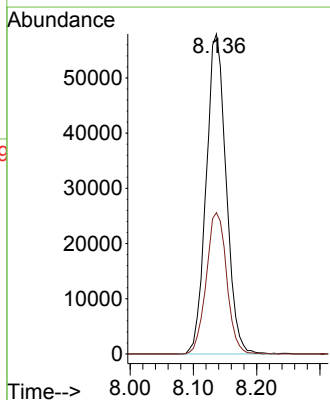
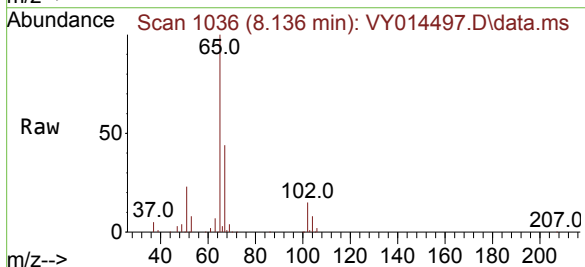
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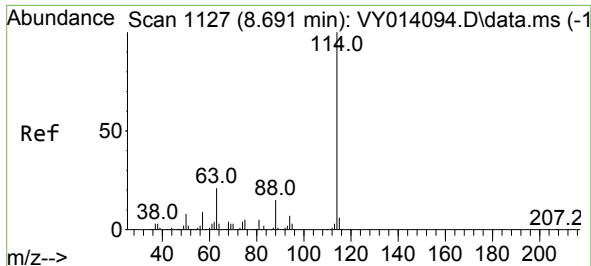
Tgt Ion: 56 Resp: 3880
Ion Ratio Lower Upper
56 100
69 99.5 27.8 41.6#
84 40.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 54.925 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014497.D
Acq: 29 Jun 2023 15:39

Tgt Ion: 65 Resp: 127026
Ion Ratio Lower Upper
65 100
67 45.1 0.0 101.8

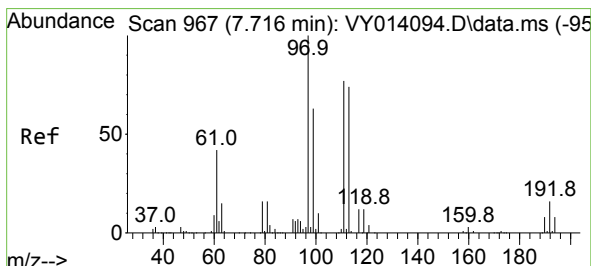
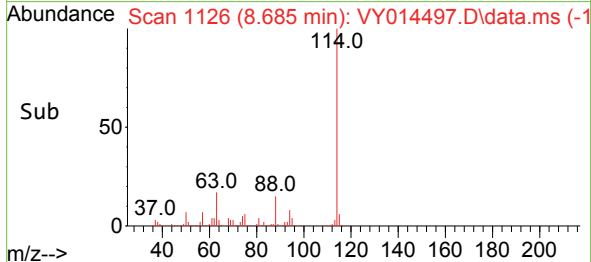
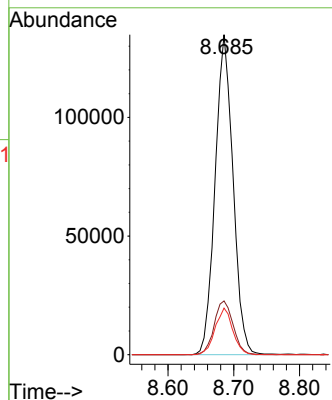
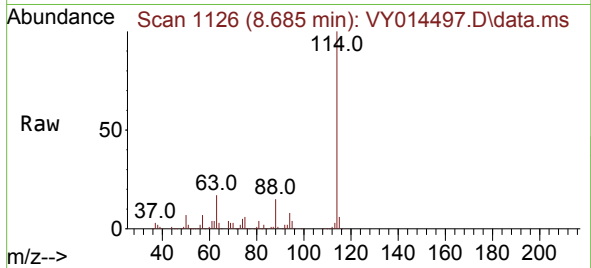




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY014497.D
Acq: 29 Jun 2023 15:39

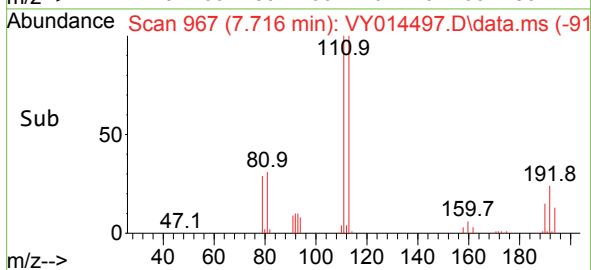
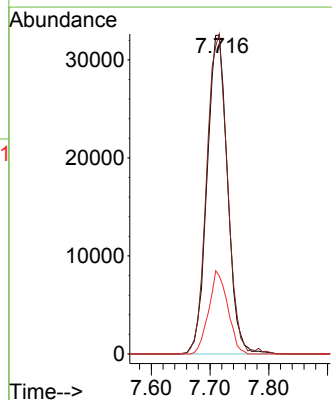
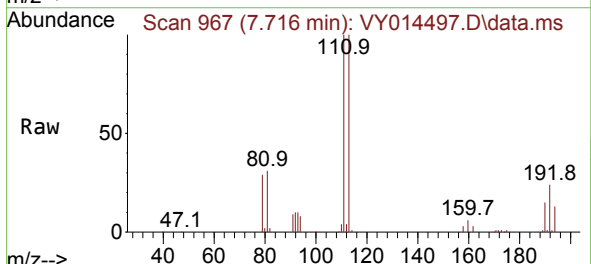
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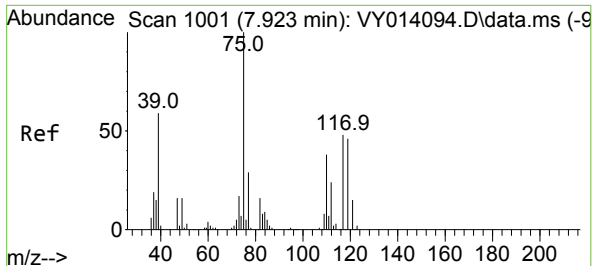
Tgt Ion:114 Resp: 255477
Ion Ratio Lower Upper
114 100
63 16.8 0.0 42.4
88 14.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.959 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014497.D
Acq: 29 Jun 2023 15:39

Tgt Ion:113 Resp: 78855
Ion Ratio Lower Upper
113 100
111 101.2 81.3 121.9
192 24.2 16.9 25.3

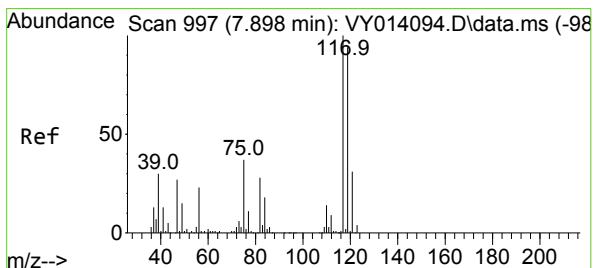
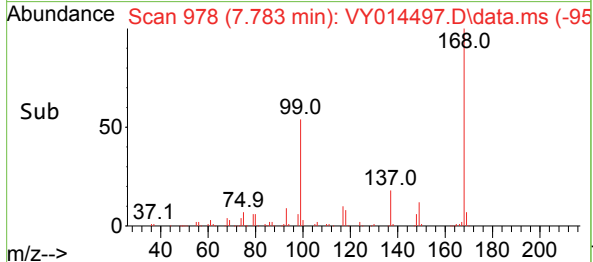
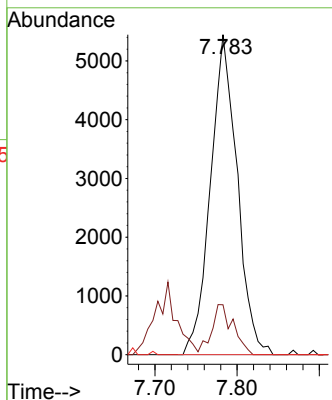
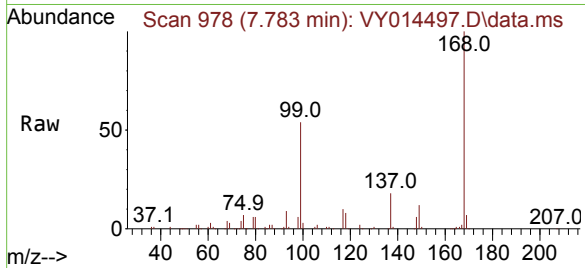




#36
1,1-Dichloropropene
Concen: 5.046 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY014497.D
Acq: 29 Jun 2023 15:39

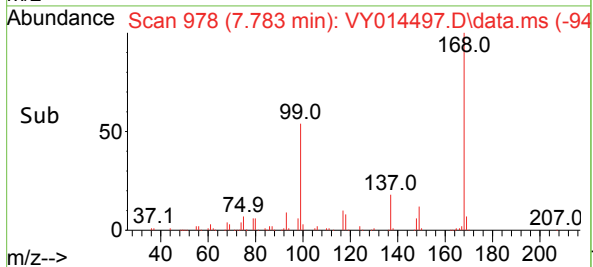
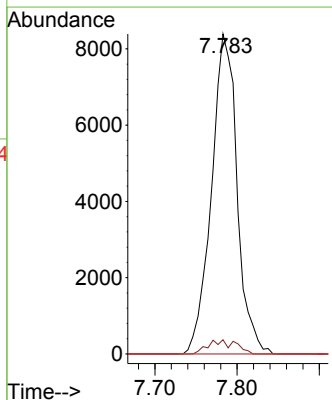
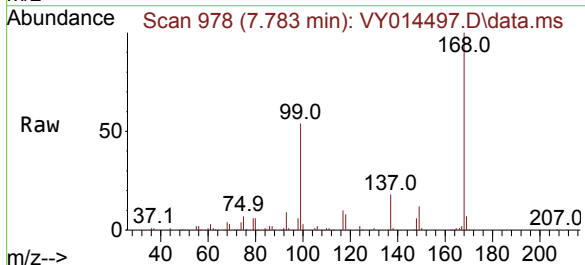
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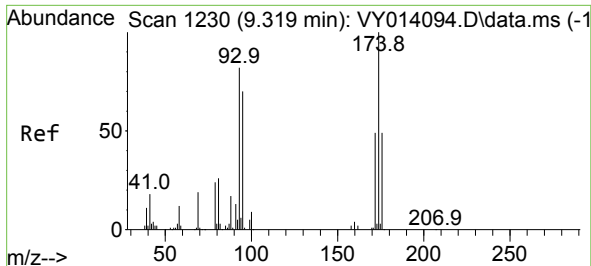
Tgt Ion: 75 Resp: 12274
Ion Ratio Lower Upper
75 100
110 12.6 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.931 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.115 min
Lab File: VY014497.D
Acq: 29 Jun 2023 15:39

Tgt Ion:117 Resp: 18154
Ion Ratio Lower Upper
117 100
119 4.4 76.4 114.6#
121 0.0 25.8 38.6#





#49

1,4-Dioxane

Concen: 1.440 ug/l

RT: 9.417 min Scan# 11

Delta R.T. 0.098 min

Lab File: VY014497.D

Acq: 29 Jun 2023 15:39

Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-TOPSOIL-007

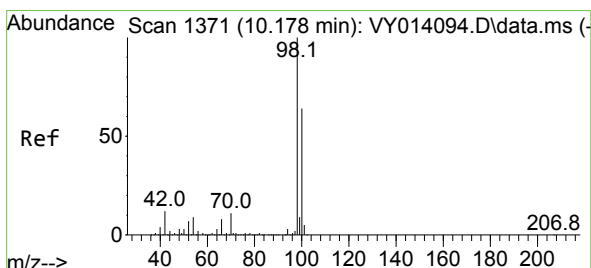
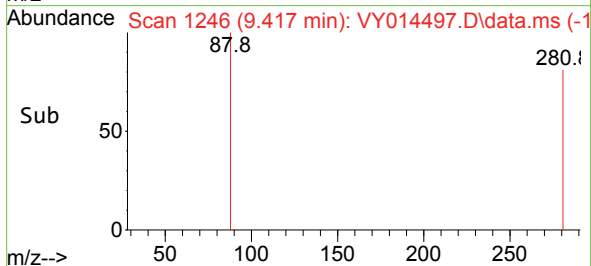
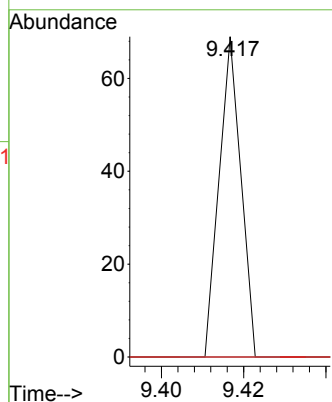
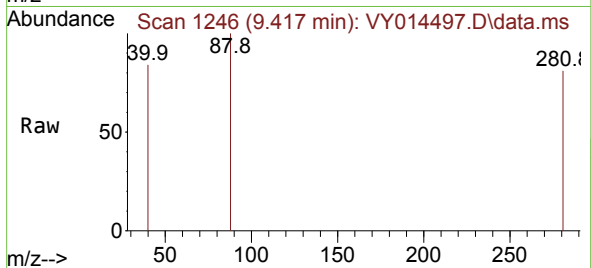
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 30.9 46.3#



#50

Toluene-d8

Concen: 48.801 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.005 min

Lab File: VY014497.D

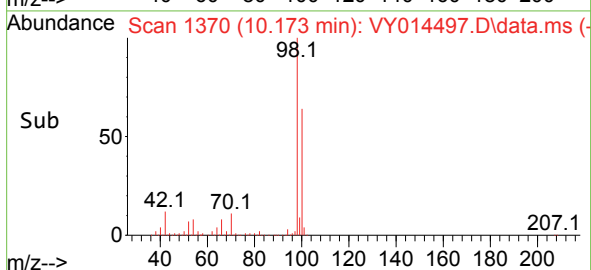
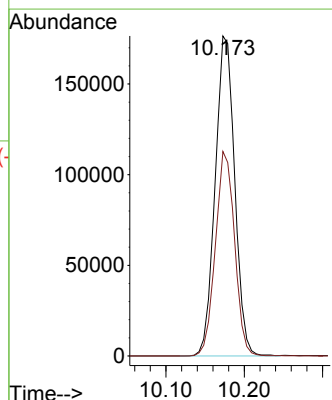
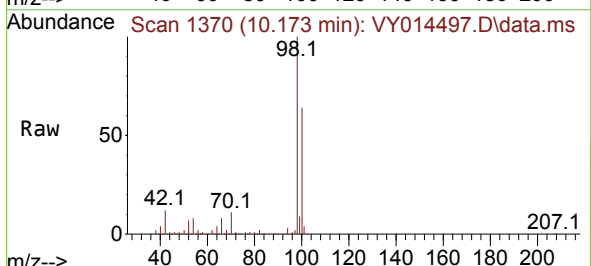
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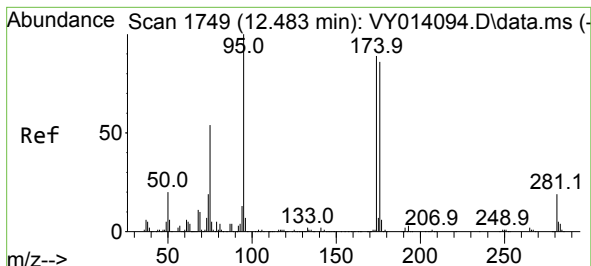
Tgt Ion: 98 Resp: 306192

Ion Ratio Lower Upper

98 100

100 62.8 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 40.194 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014497.D

Acq: 29 Jun 2023 15:39

Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-TOPSOIL-007

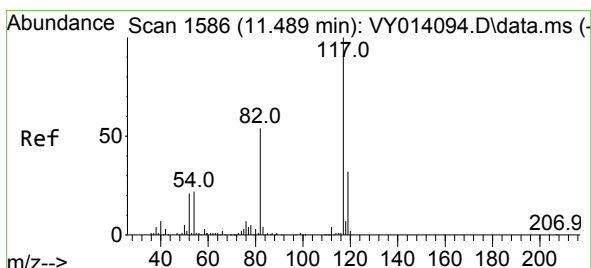
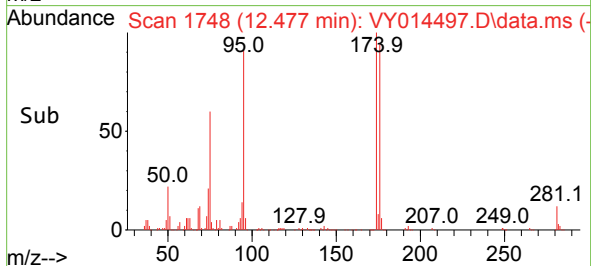
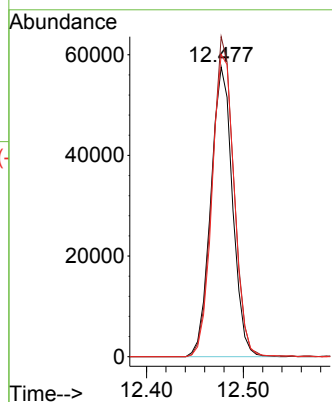
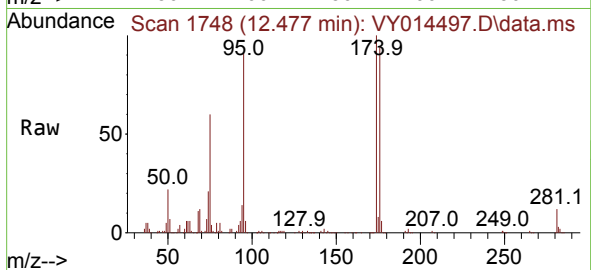
Tgt Ion: 95 Resp: 90032

Ion Ratio Lower Upper

95 100

174 109.8 0.0 178.2

176 106.3 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 1585

Delta R.T. -0.006 min

Lab File: VY014497.D

Acq: 29 Jun 2023 15:39

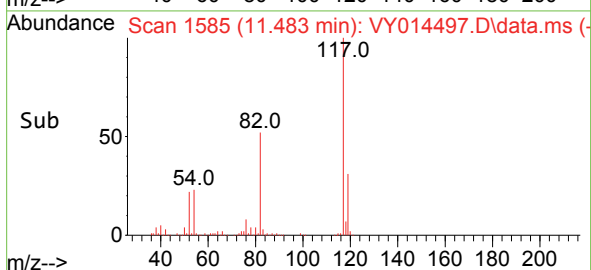
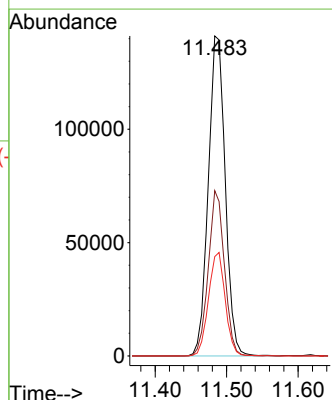
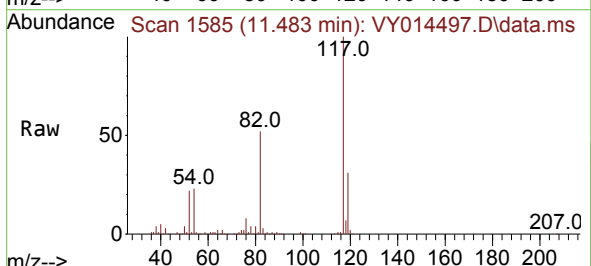
Tgt Ion: 117 Resp: 232393

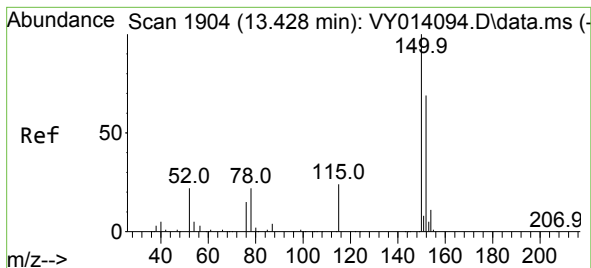
Ion Ratio Lower Upper

117 100

82 51.7 43.4 65.0

119 31.1 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: VY014497.D

Acq: 29 Jun 2023 15:39

Instrument :

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ClientSampleId :

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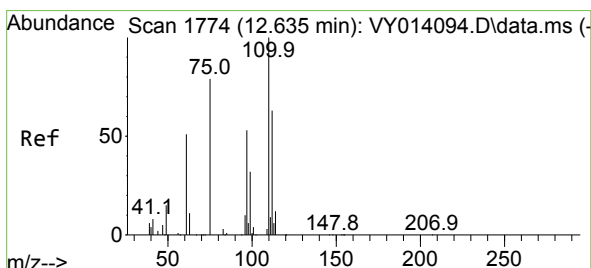
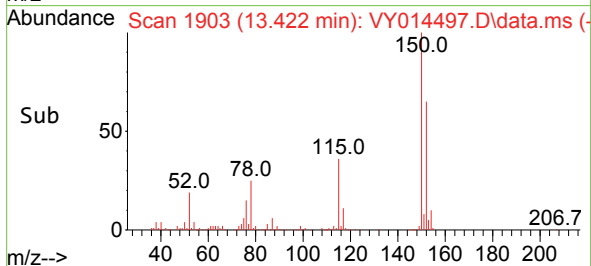
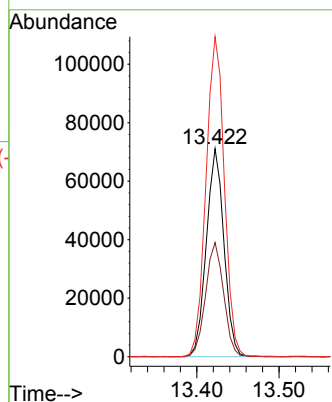
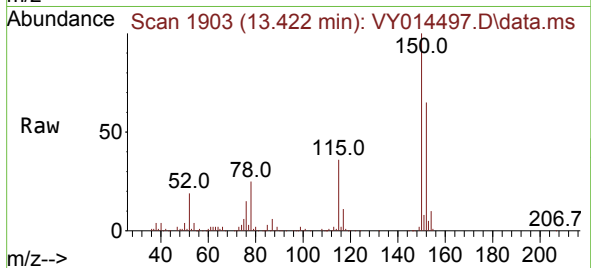
Tgt Ion:152 Resp: 105780

Ion Ratio Lower Upper

152 100

115 56.3 28.8 86.5

150 160.0 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 42.699 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014497.D

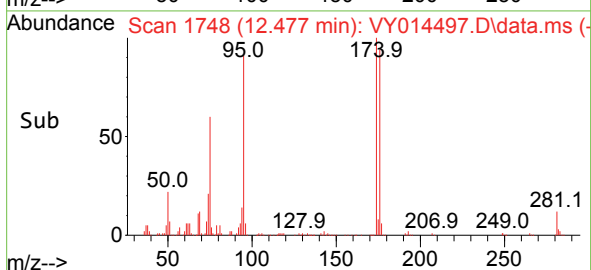
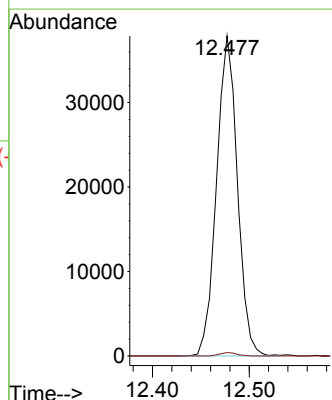
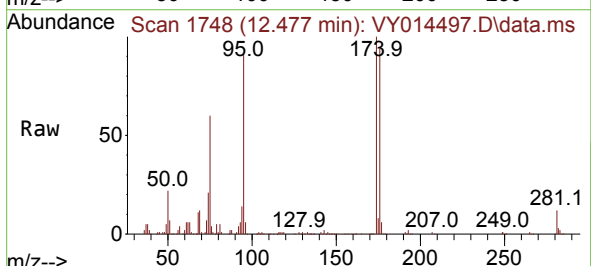
Acq: 29 Jun 2023 15:39

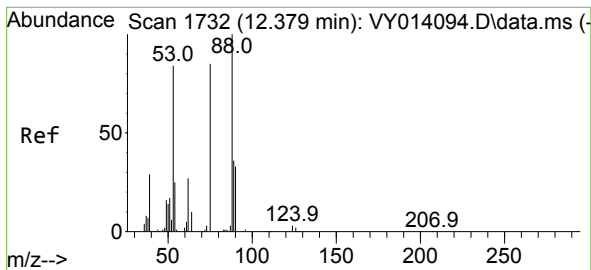
Tgt Ion: 75 Resp: 56659

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.213 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014497.D
 Acq: 29 Jun 2023 15:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-TOPSOIL-007

Tgt Ion: 75 Resp: 56659
 Ion Ratio Lower Upper
 75 100
 53 0.1 77.8 116.8#
 89 0.1 37.4 56.0#

