

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031523\
 Data File : VY012955.D
 Acq On : 15 Mar 2023 12:15
 Operator : KP/MD
 Sample : 01908-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HILLBOR-DRUMS-0314

Quant Time: Mar 16 00:18:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

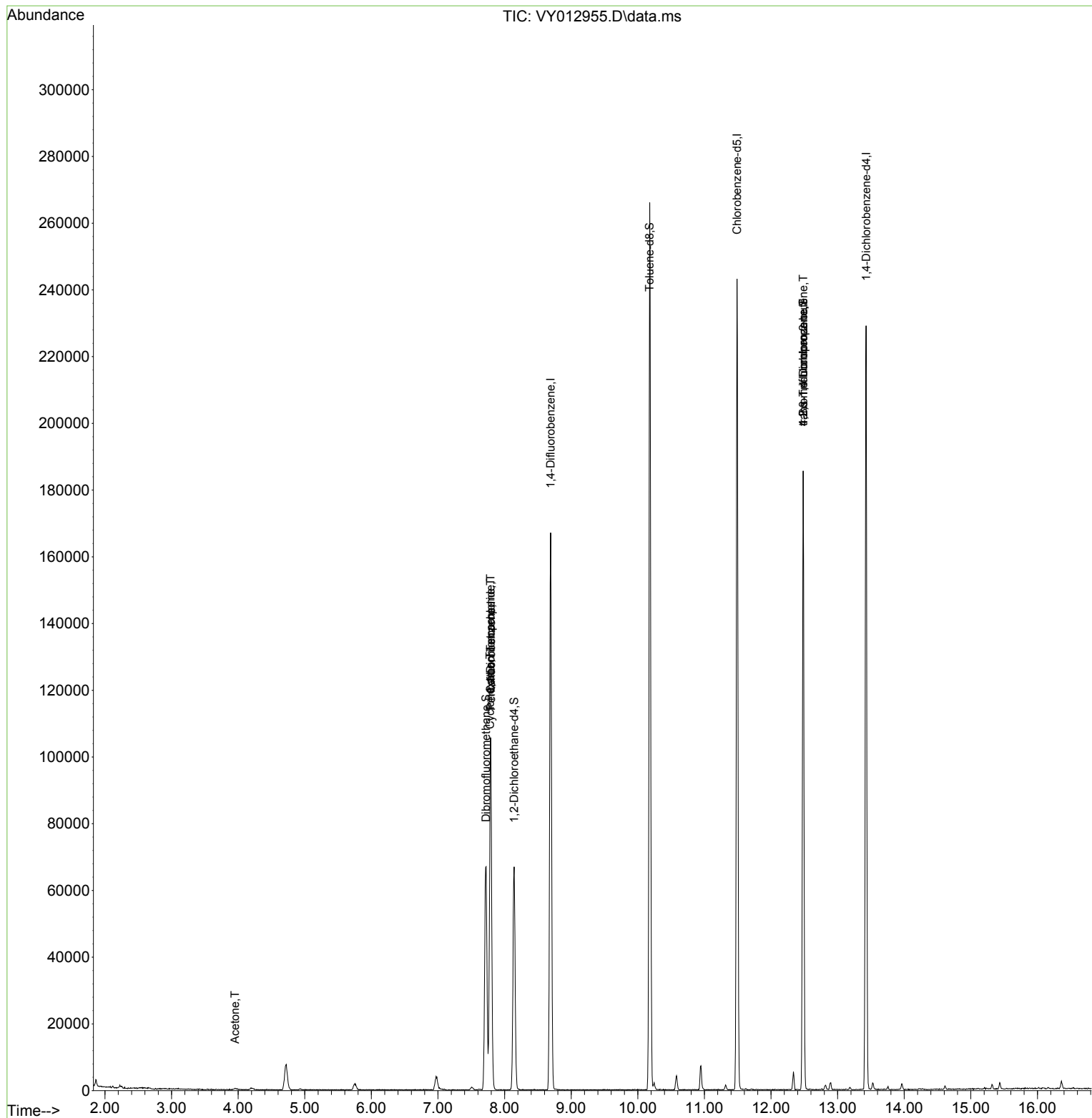
Internal Standards						
1) Pentafluorobenzene	7.795	168	81508	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	140304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	128495	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	58938	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	51594	63.754	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.500%	
35) Dibromofluoromethane	7.722	113	48207	56.933	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.860%	
50) Toluene-d8	10.179	98	168653	54.484	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.960%	
62) 4-Bromofluorobenzene	12.483	95	51899	49.674	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.340%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	311	Below Cal	#	74
16) Acetone	3.954	43	852	2.682	ug/l	96
31) Cyclohexane	7.783	56	1736	1.120	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	6391	4.504	ug/l #	50
38) Carbon Tetrachloride	7.789	117	7727	5.273	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	27174	38.610	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	27174	80.000	ug/l #	13

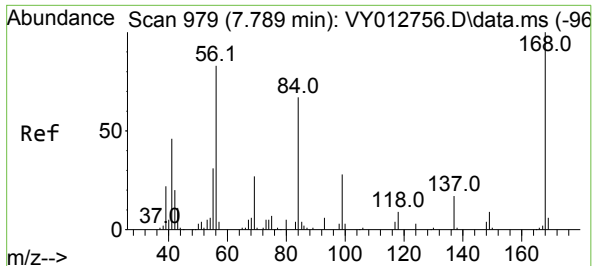
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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HILLBOR-DRUMS-0314

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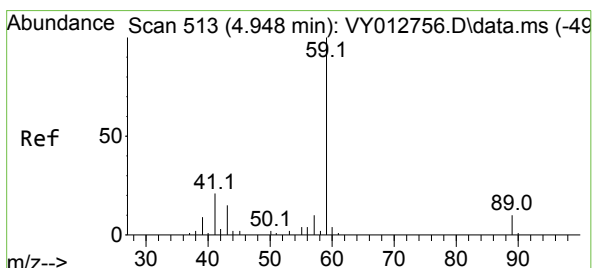
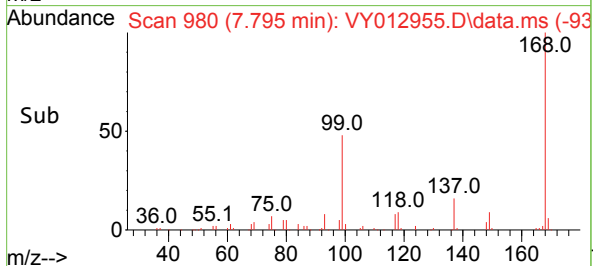
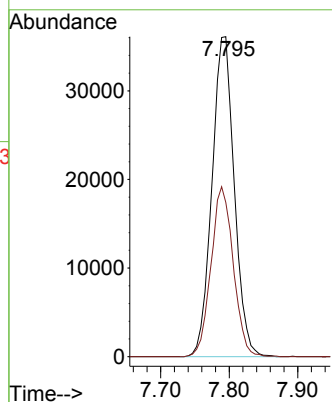
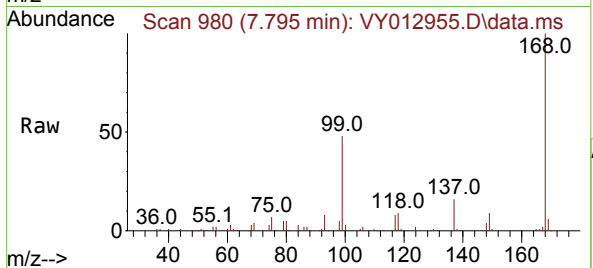




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012955.D
Acq: 15 Mar 2023 12:15

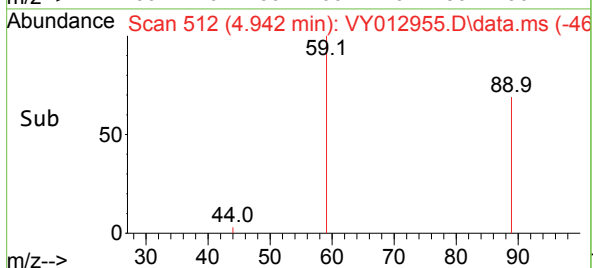
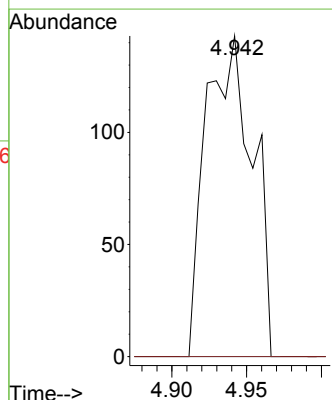
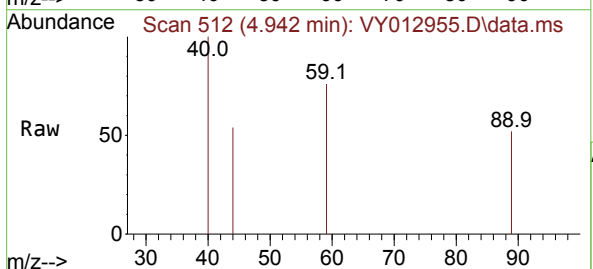
Instrument :
MSVOA_Y
ClientSampleId :
HILLBOR-DRUMS-0314

Tgt Ion:168 Resp: 81508
Ion Ratio Lower Upper
168 100
99 48.2 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY012955.D
Acq: 15 Mar 2023 12:15

Tgt Ion: 59 Resp: 311
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 2.682 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY012955.D

Acq: 15 Mar 2023 12:15

Instrument :

MSVOA_Y

ClientSampleId :

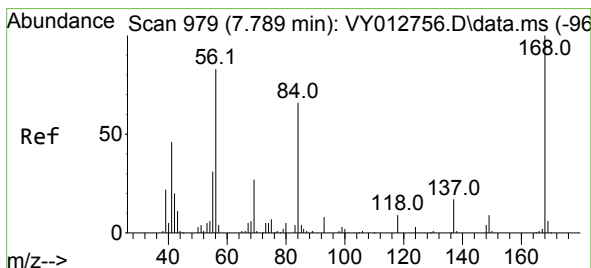
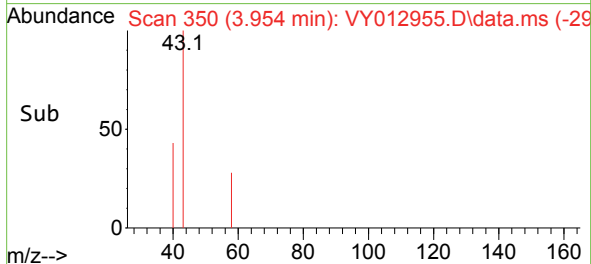
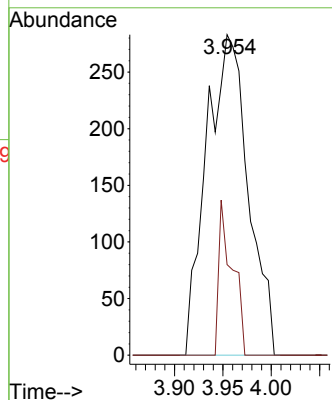
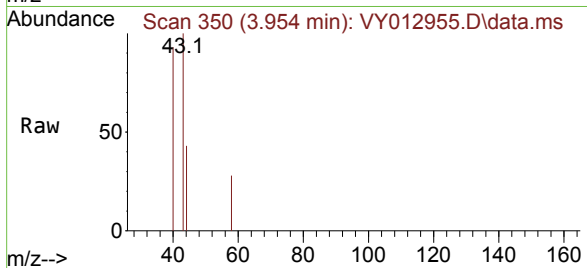
HILLBOR-DRUMS-0314

Tgt Ion: 43 Resp: 852

Ion Ratio Lower Upper

43 100

58 28.3 24.2 36.2



#31

Cyclohexane

Concen: 1.120 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY012955.D

Acq: 15 Mar 2023 12:15

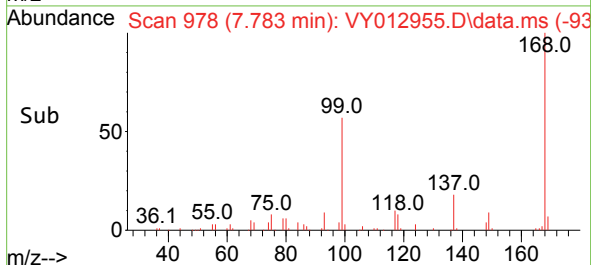
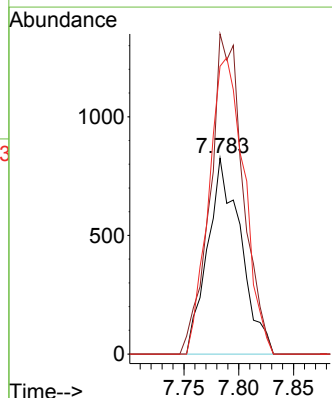
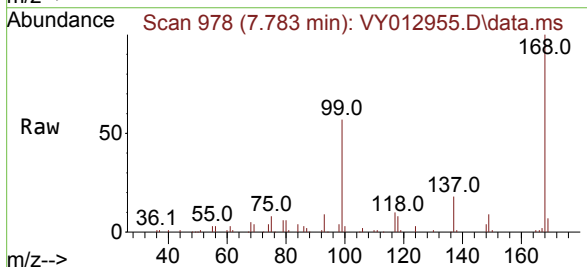
Tgt Ion: 56 Resp: 1736

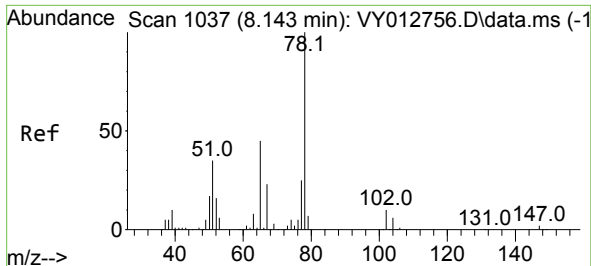
Ion Ratio Lower Upper

56 100

69 163.3 25.7 38.5#

84 146.9 64.3 96.5#

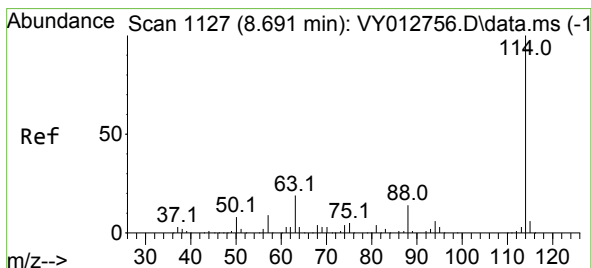
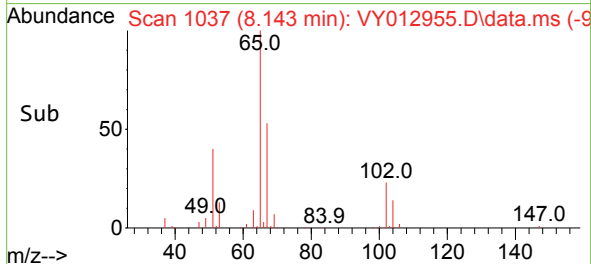
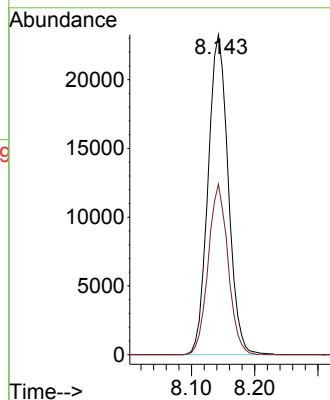
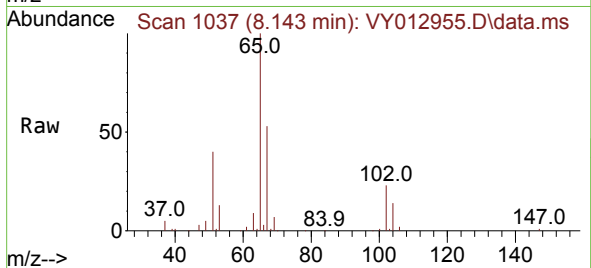




#33
 1,2-Dichloroethane-d4
 Concen: 63.754 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. -0.000 min
 Lab File: VY012955.D
 Acq: 15 Mar 2023 12:15

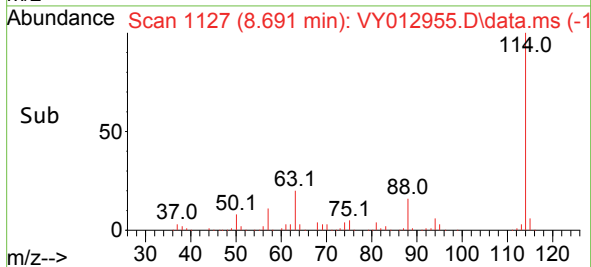
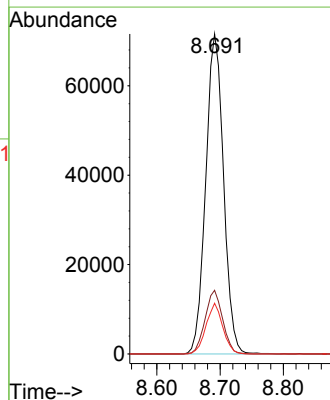
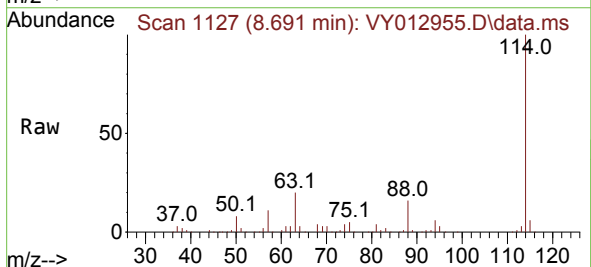
Instrument :
 MSVOA_Y
 ClientSampleId :
 HILLBOR-DRUMS-0314

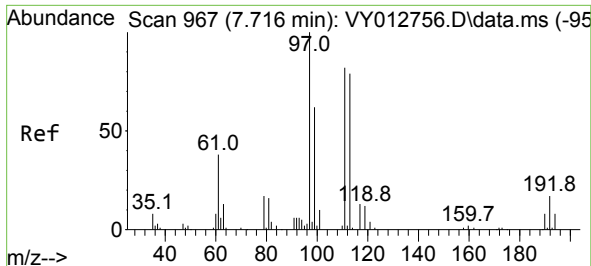
Tgt Ion: 65 Resp: 51594
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY012955.D
 Acq: 15 Mar 2023 12:15

Tgt Ion: 114 Resp: 140304
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 37.4
 88 15.9 0.0 28.6

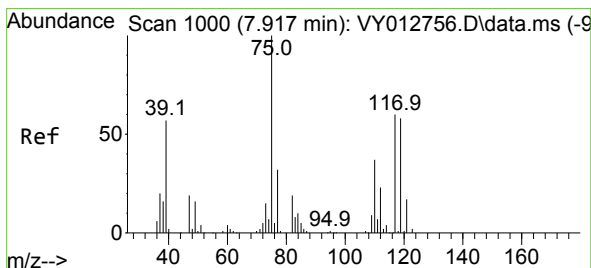
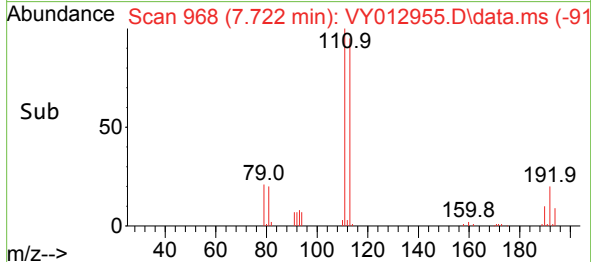
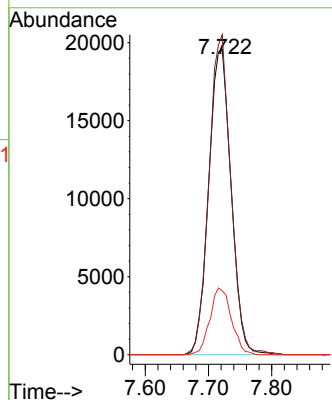
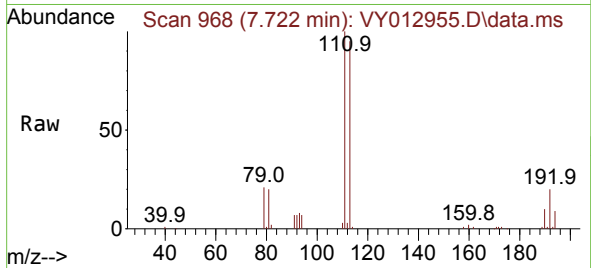




#35
Dibromofluoromethane
Concen: 56.933 ug/l
RT: 7.722 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY012955.D
Acq: 15 Mar 2023 12:15

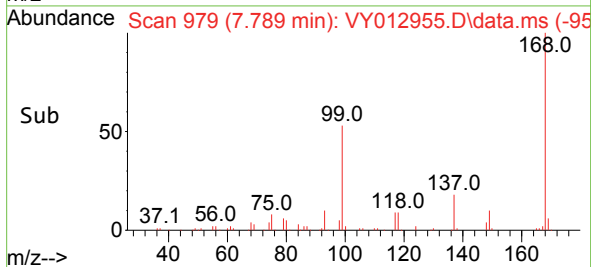
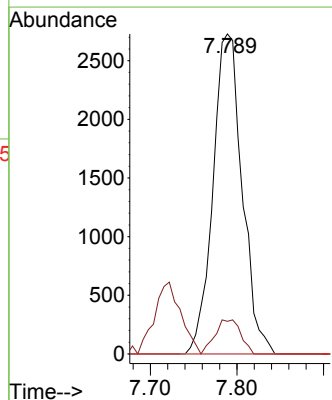
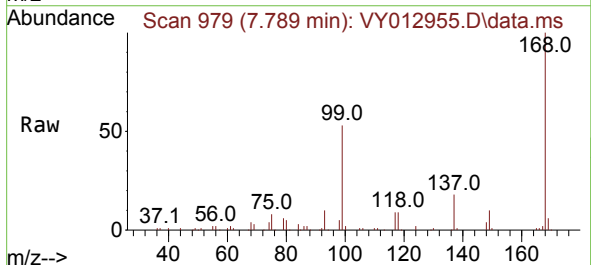
Instrument :
MSVOA_Y
ClientSampleId :
HILLBOR-DRUMS-0314

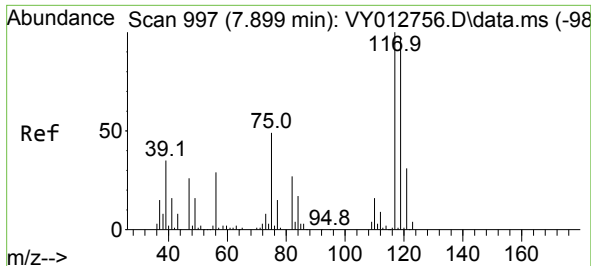
Tgt Ion:113 Resp: 48207
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 21.0 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.504 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012955.D
Acq: 15 Mar 2023 12:15

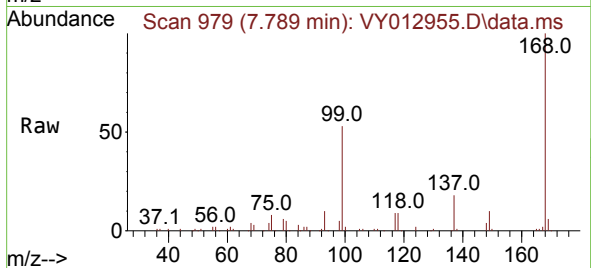
Tgt Ion: 75 Resp: 6391
Ion Ratio Lower Upper
75 100
110 9.4 17.8 53.3#
77 0.0 25.0 37.4#



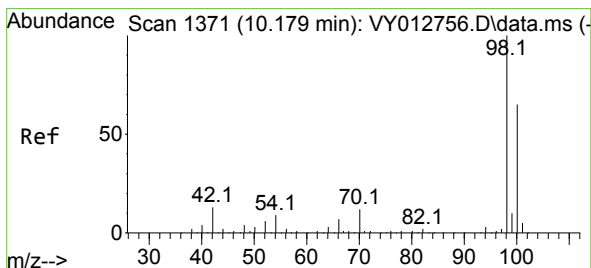
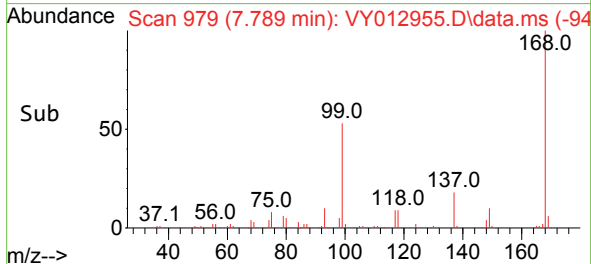
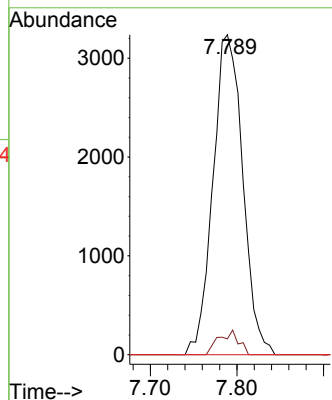


#38
Carbon Tetrachloride
Concen: 5.273 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012955.D
Acq: 15 Mar 2023 12:15

Instrument :
MSVOA_Y
ClientSampleId :
HILLBOR-DRUMS-0314

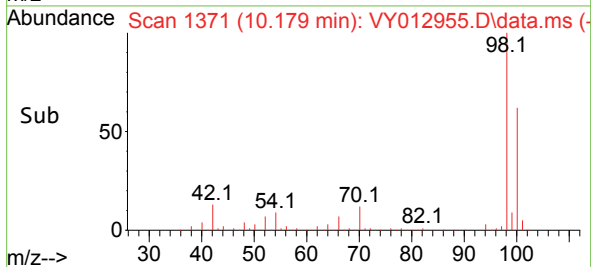
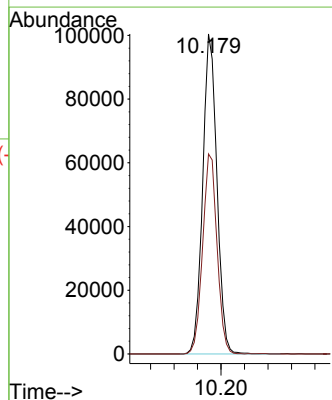
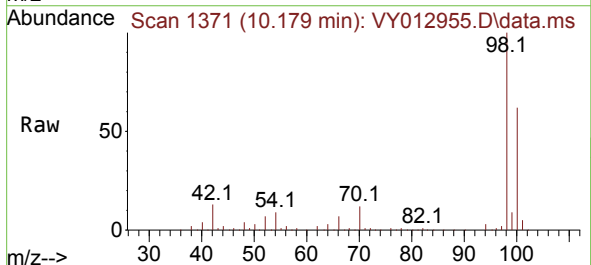


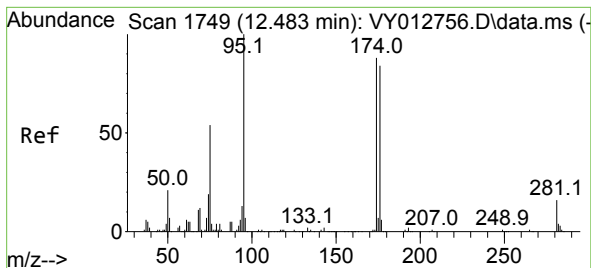
Tgt Ion:117 Resp: 7727
Ion Ratio Lower Upper
117 100
119 5.0 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 54.484 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012955.D
Acq: 15 Mar 2023 12:15

Tgt Ion: 98 Resp: 168653
Ion Ratio Lower Upper
98 100
100 63.3 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 49.674 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY012955.D

Acq: 15 Mar 2023 12:15

Instrument :

MSVOA_Y

ClientSampleId :

HILLBOR-DRUMS-0314

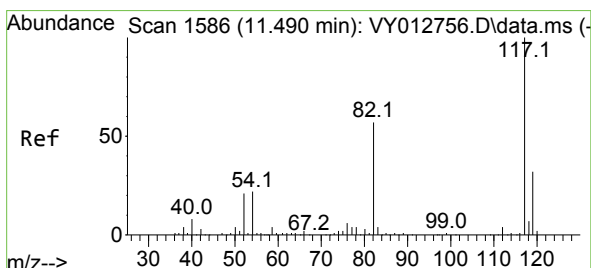
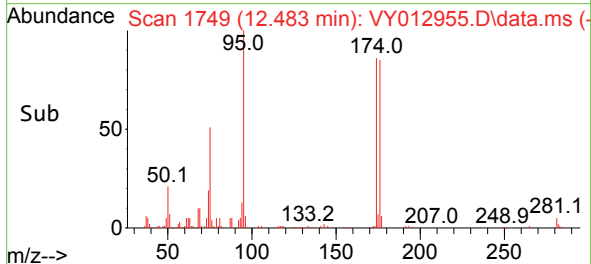
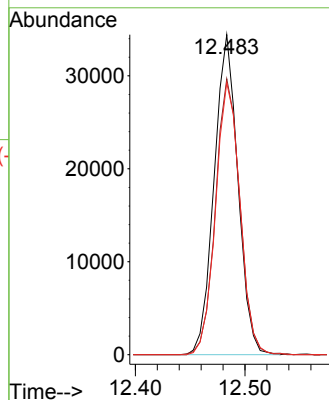
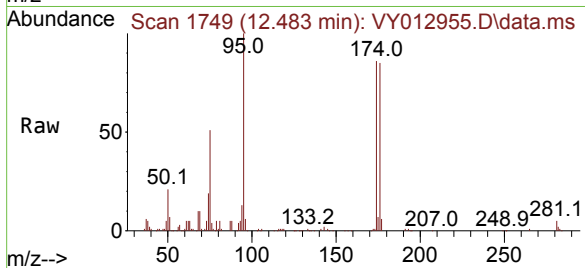
Tgt Ion: 95 Resp: 51899

Ion Ratio Lower Upper

95 100

174 88.3 0.0 176.6

176 87.1 0.0 170.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY012955.D

Acq: 15 Mar 2023 12:15

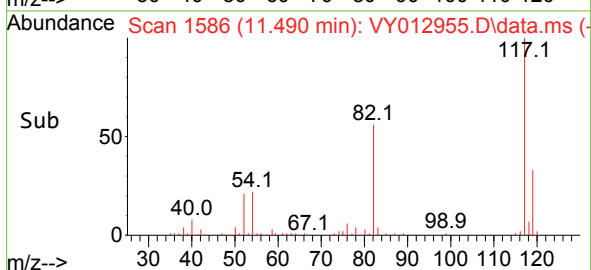
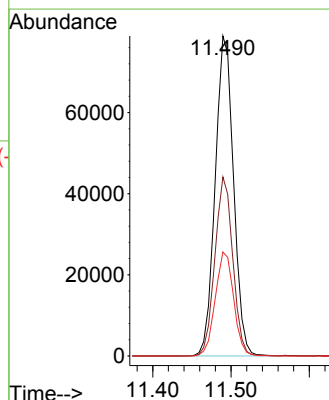
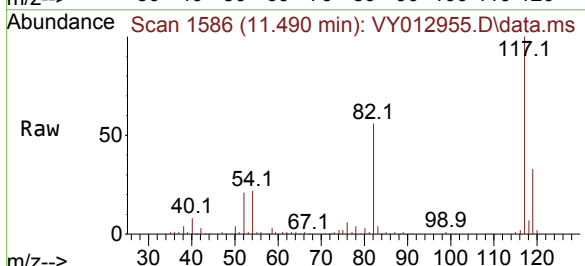
Tgt Ion: 117 Resp: 128495

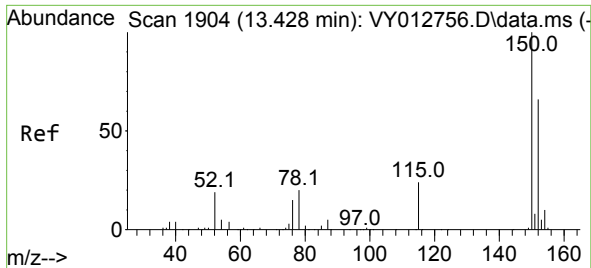
Ion Ratio Lower Upper

117 100

82 55.9 45.4 68.0

119 32.5 25.6 38.4

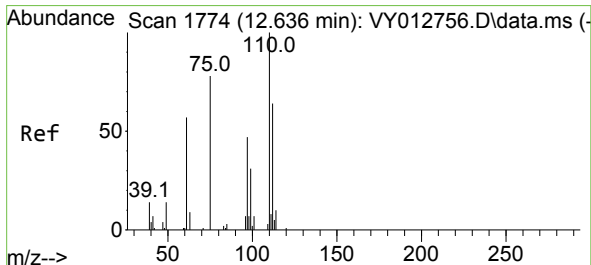
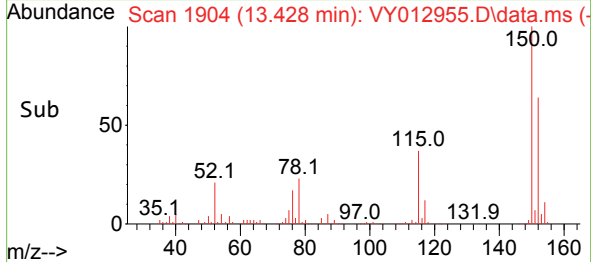
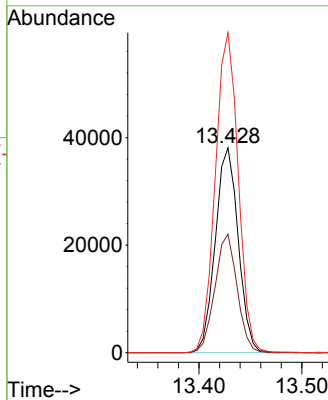
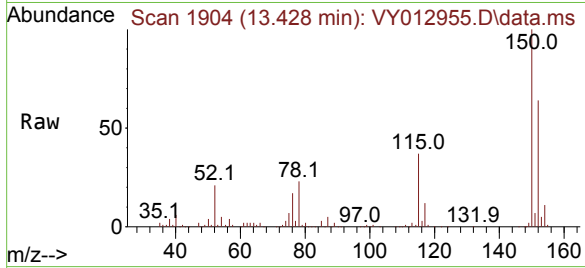




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY012955.D
 Acq: 15 Mar 2023 12:15

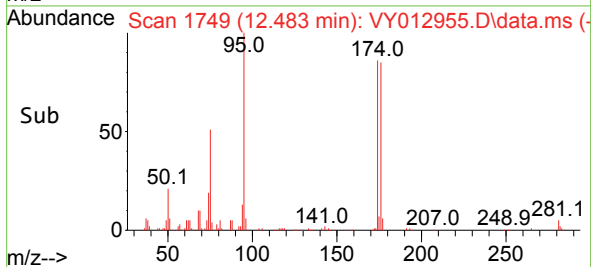
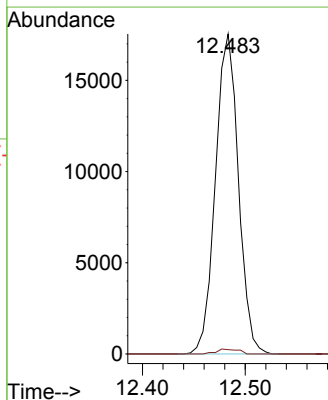
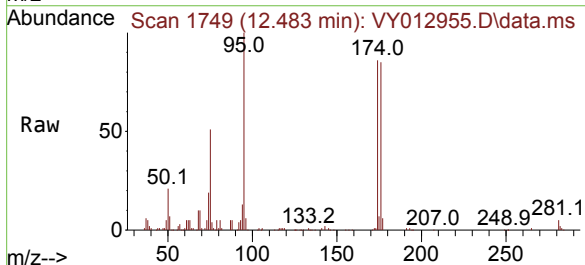
Instrument :
 MSVOA_Y
 ClientSampleId :
 HILLBOR-DRUMS-0314

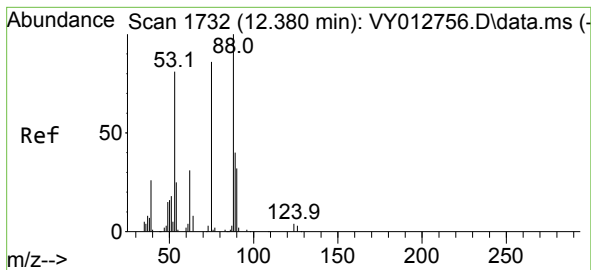
Tgt Ion:152 Resp: 58938
 Ion Ratio Lower Upper
 152 100
 115 56.3 27.1 81.3
 150 155.9 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 38.610 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY012955.D
 Acq: 15 Mar 2023 12:15

Tgt Ion: 75 Resp: 27174
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.000 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY012955.D
 Acq: 15 Mar 2023 12:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 HILLBOR-DRUMS-0314

Tgt Ion: 75 Resp: 27174
 Ion Ratio Lower Upper
 75 100
 53 0.2 73.4 110.0#
 89 0.2 36.6 55.0#

