

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031423\
 Data File : VY012947.D
 Acq On : 14 Mar 2023 17:20
 Operator : KP/MD
 Sample : 01908-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HILLBOR-DRUMS-0314

Quant Time: Mar 15 01:45:02 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)

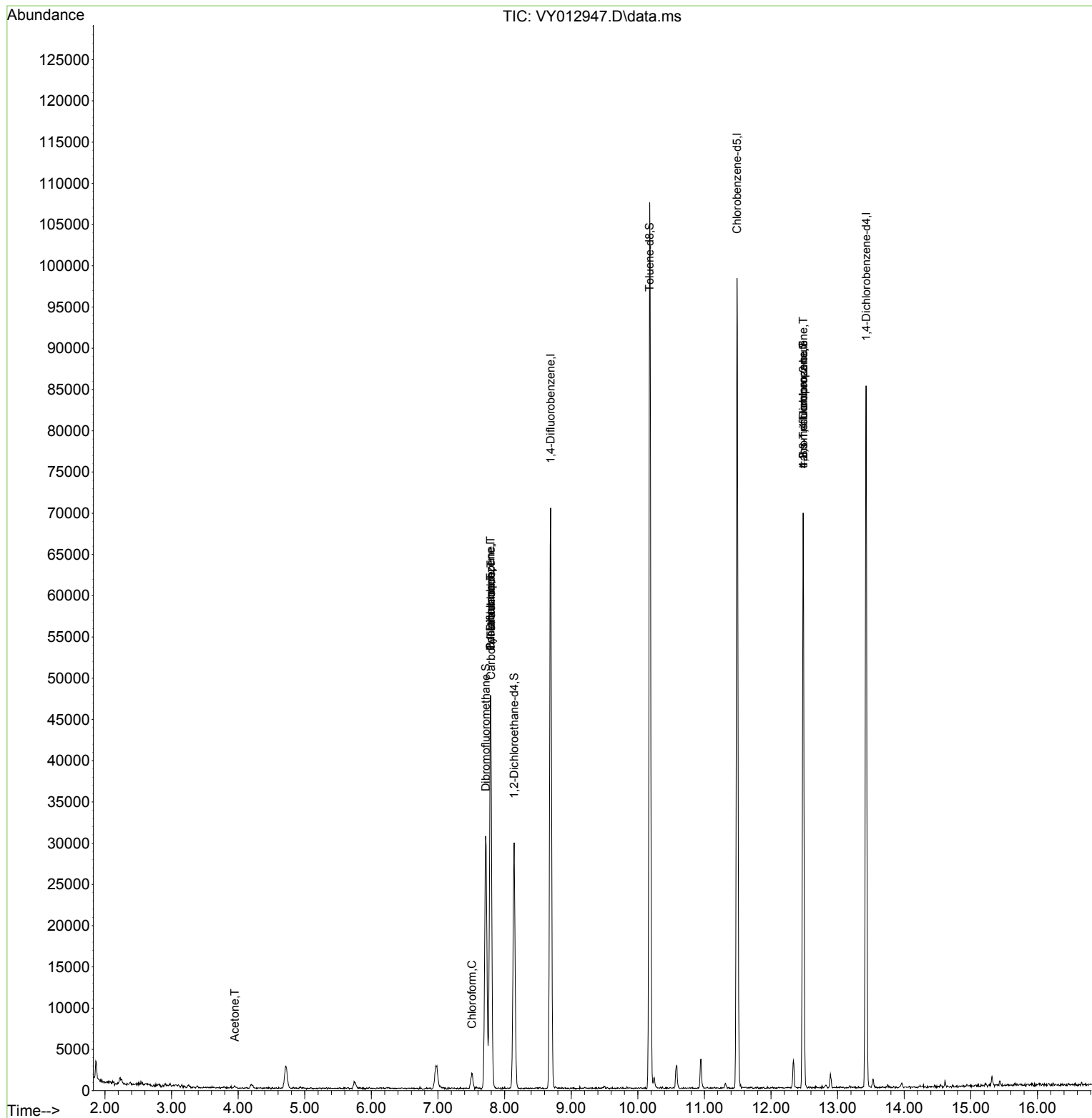
Internal Standards						
1) Pentafluorobenzene	7.789	168	37013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	59387	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	53054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	21961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	22410	60.981	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.960%	
35) Dibromofluoromethane	7.716	113	21577	60.204	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 120.400%	
50) Toluene-d8	10.179	98	70551	53.846	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.700%	
62) 4-Bromofluorobenzene	12.483	95	19616	44.356	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 88.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	54	Below Cal	#	74
16) Acetone	3.948	43	501	3.473	ug/l	92
20) Methylene Chloride	4.716	84	2108	Below Cal		88
30) Chloroform	7.508	83	1741	2.419	ug/l	99
31) Cyclohexane	7.789	56	826	1.174	ug/l #	25
36) 1,1-Dichloropropene	7.789	75	2903	4.834	ug/l #	47
38) Carbon Tetrachloride	7.795	117	3574	5.763	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	10462	39.893	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	10462	82.660	ug/l #	13

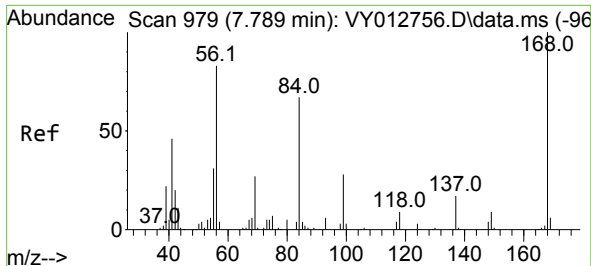
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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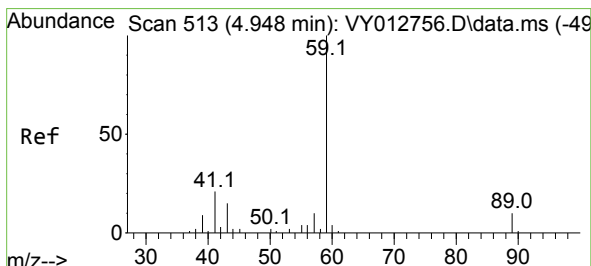
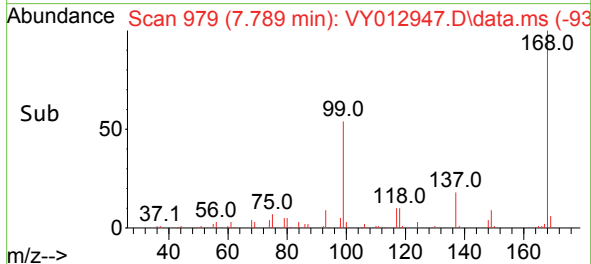
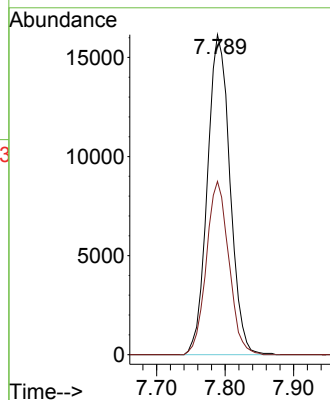
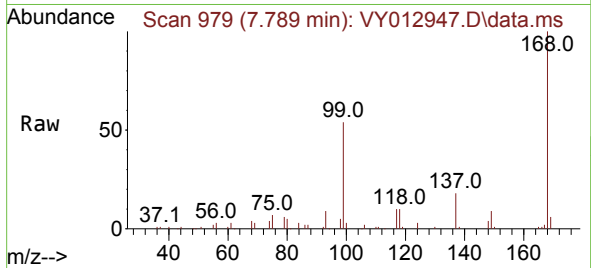




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012947.D
Acq: 14 Mar 2023 17:20

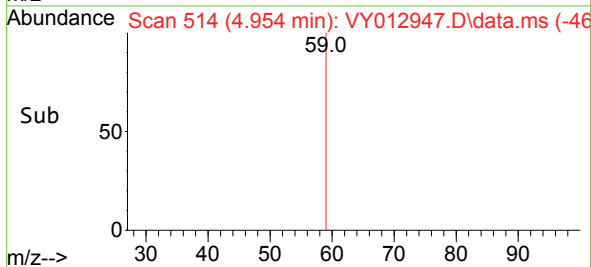
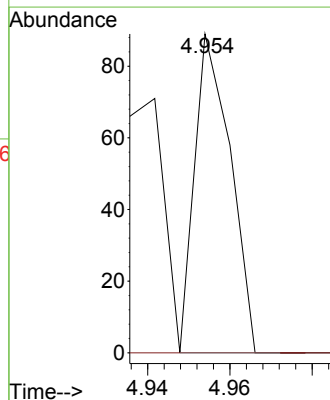
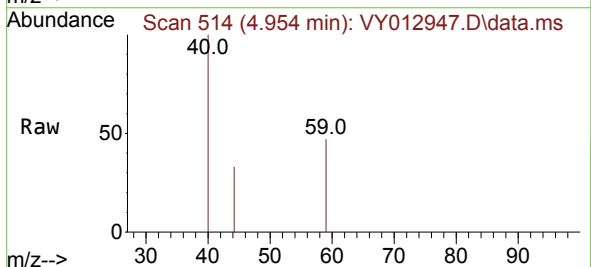
Instrument :
MSVOA_Y
ClientSampleId :
HILLBOR-DRUMS-0314

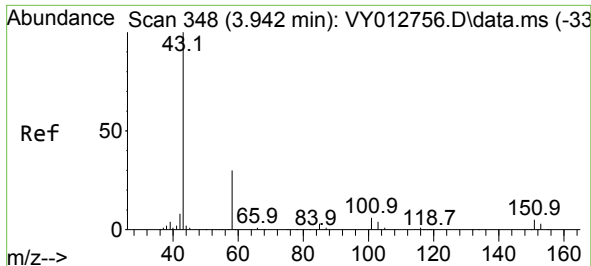
Tgt Ion:168 Resp: 37013
Ion Ratio Lower Upper
168 100
99 54.2 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY012947.D
Acq: 14 Mar 2023 17:20

Tgt Ion: 59 Resp: 54
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 3.473 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY012947.D

Acq: 14 Mar 2023 17:20

Instrument :

MSVOA_Y

ClientSampleId :

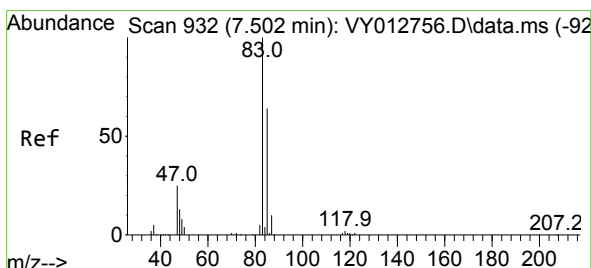
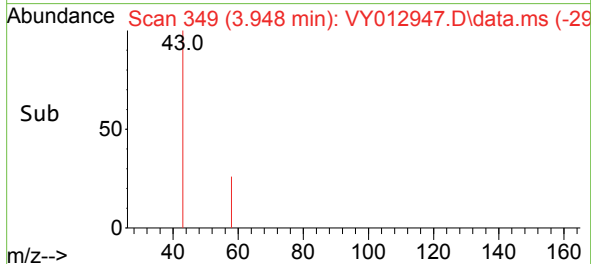
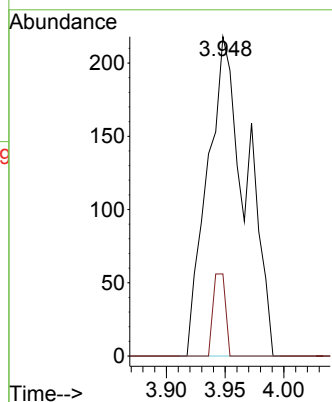
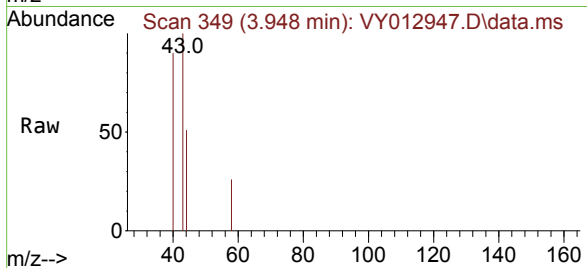
HILLBOR-DRUMS-0314

Tgt Ion: 43 Resp: 501

Ion Ratio Lower Upper

43 100

58 25.7 24.2 36.2



#30

Chloroform

Concen: 2.419 ug/l

RT: 7.508 min Scan# 933

Delta R.T. 0.006 min

Lab File: VY012947.D

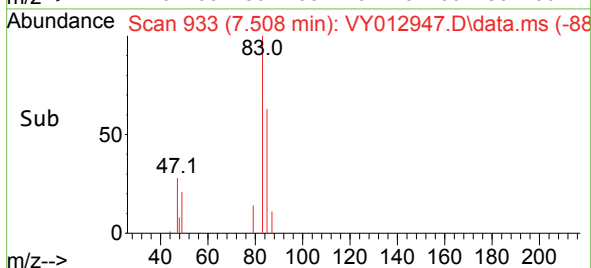
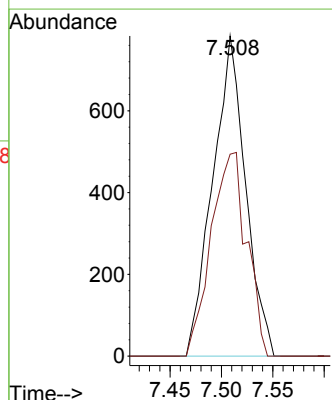
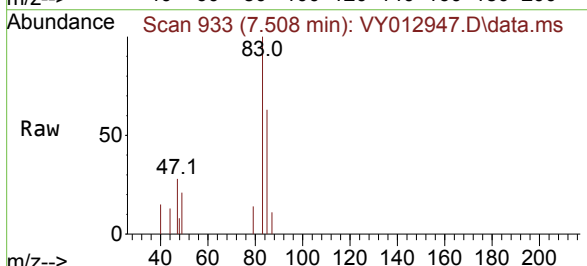
Acq: 14 Mar 2023 17:20

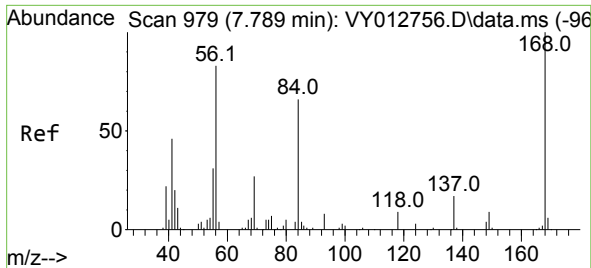
Tgt Ion: 83 Resp: 1741

Ion Ratio Lower Upper

83 100

85 63.1 51.4 77.0

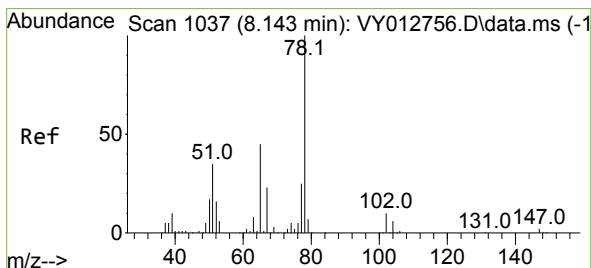
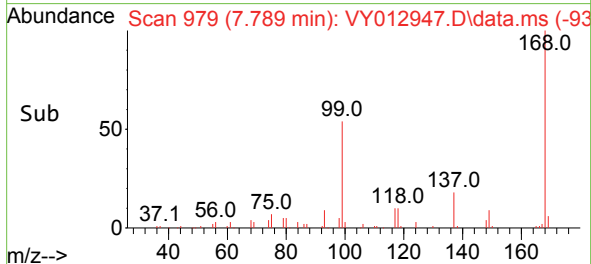
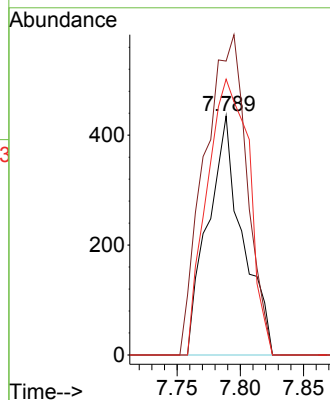
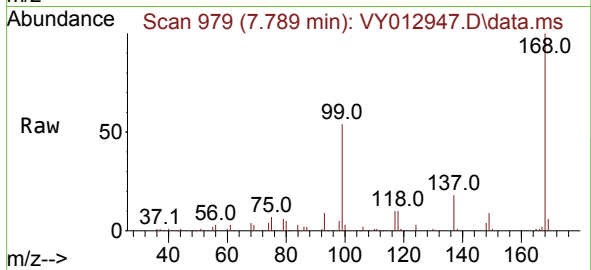




#31
Cyclohexane
Concen: 1.174 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012947.D
Acq: 14 Mar 2023 17:20

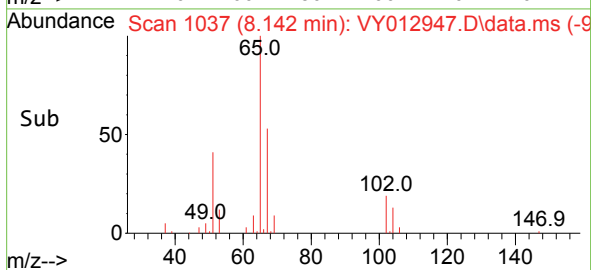
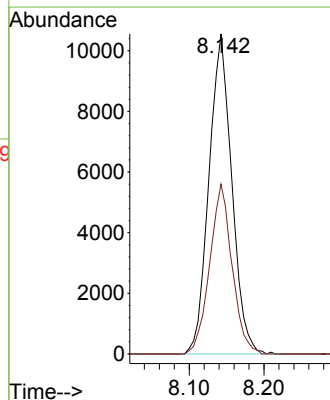
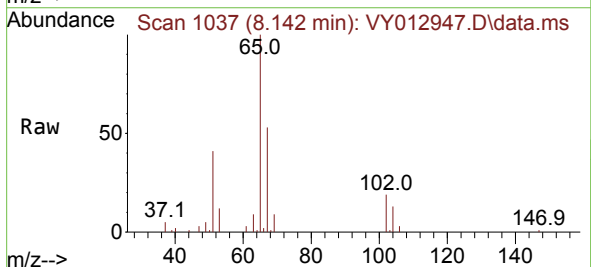
Instrument :
MSVOA_Y
ClientSampleId :
HILLBOR-DRUMS-0314

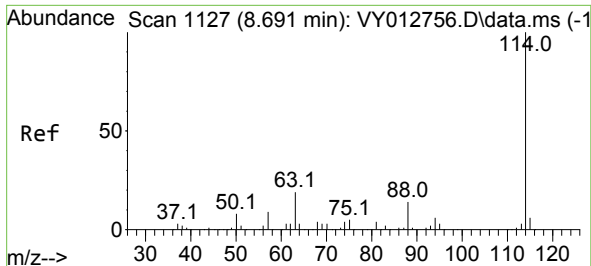
Tgt Ion: 56 Resp: 826
Ion Ratio Lower Upper
56 100
69 123.0 25.7 38.5#
84 115.4 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 60.981 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012947.D
Acq: 14 Mar 2023 17:20

Tgt Ion: 65 Resp: 22410
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.0

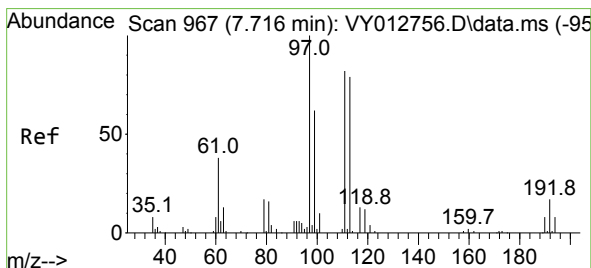
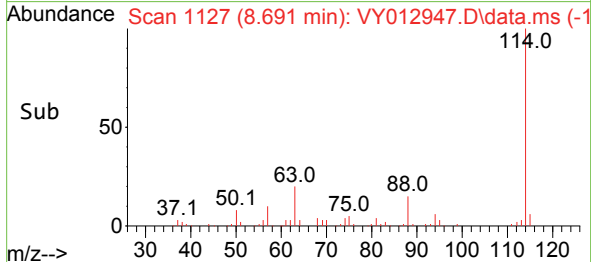
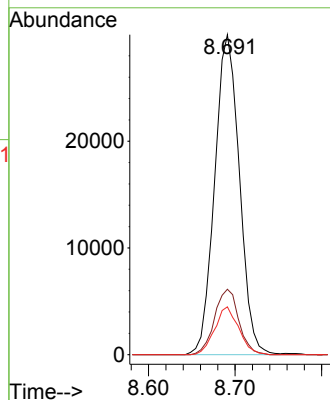
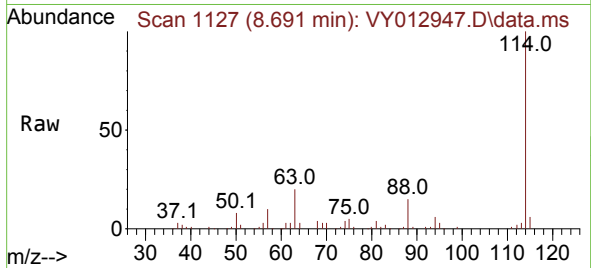




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY012947.D
Acq: 14 Mar 2023 17:20

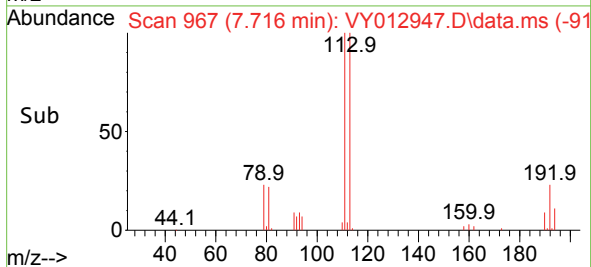
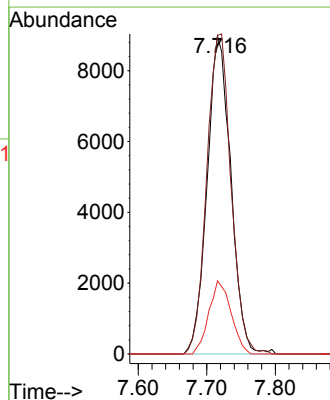
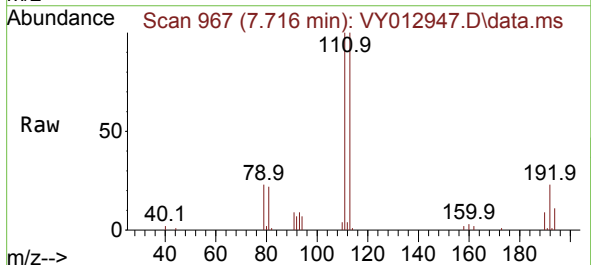
Instrument :
MSVOA_Y
ClientSampleId :
HILLBOR-DRUMS-0314

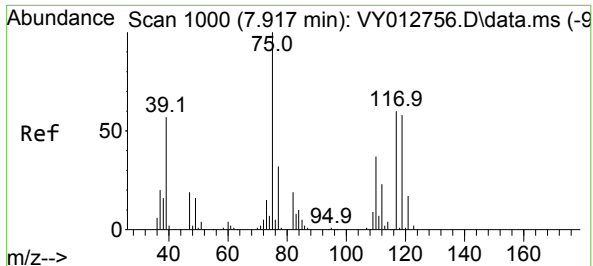
Tgt Ion:114 Resp: 59387
Ion Ratio Lower Upper
114 100
63 20.5 0.0 37.4
88 15.0 0.0 28.6



#35
Dibromofluoromethane
Concen: 60.204 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY012947.D
Acq: 14 Mar 2023 17:20

Tgt Ion:113 Resp: 21577
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 21.5 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.834 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012947.D

Acq: 14 Mar 2023 17:20

Instrument :

MSVOA_Y

ClientSampleId :

HILLBOR-DRUMS-0314

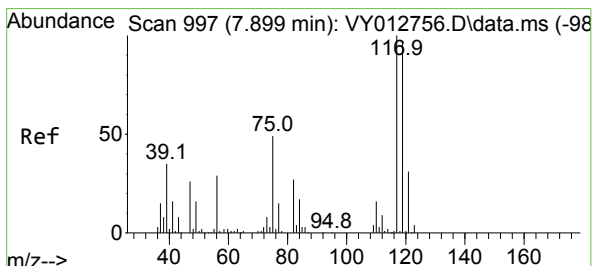
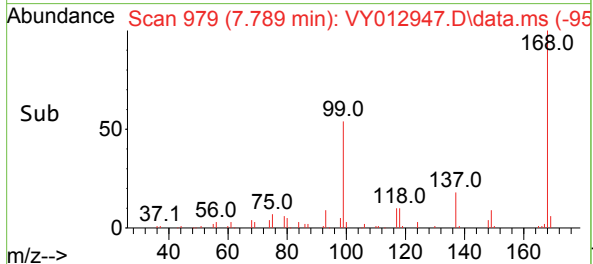
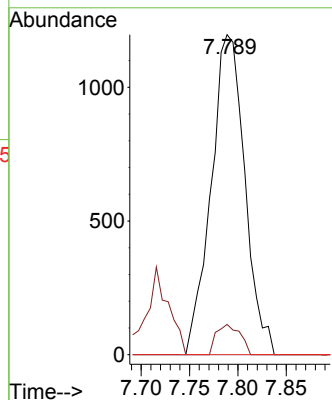
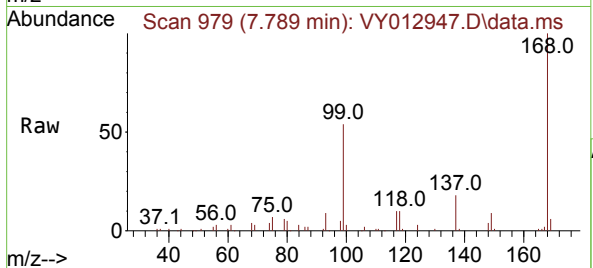
Tgt Ion: 75 Resp: 2903

Ion Ratio Lower Upper

75 100

110 6.6 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.763 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY012947.D

Acq: 14 Mar 2023 17:20

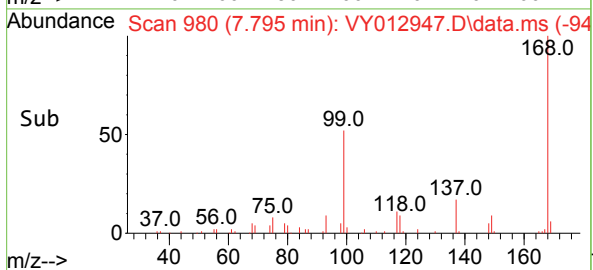
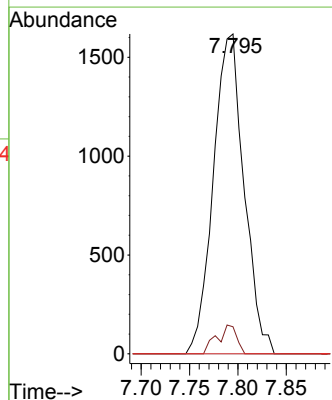
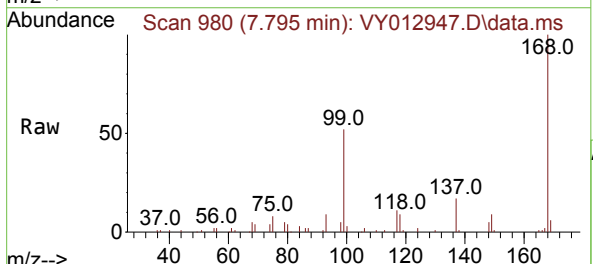
Tgt Ion: 117 Resp: 3574

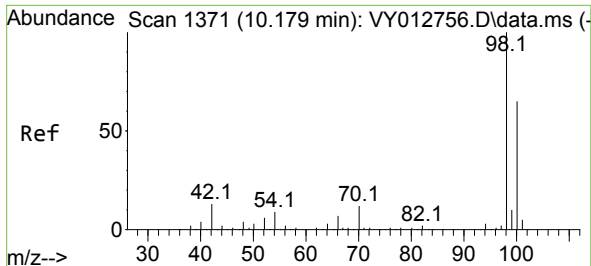
Ion Ratio Lower Upper

117 100

119 8.5 77.2 115.8#

121 0.0 24.7 37.1#

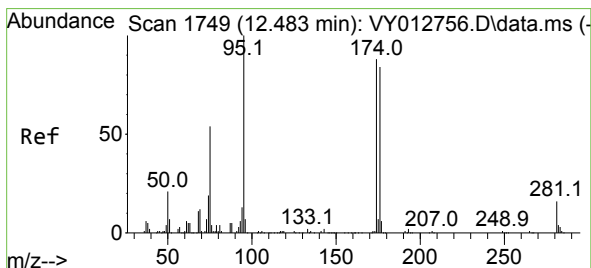
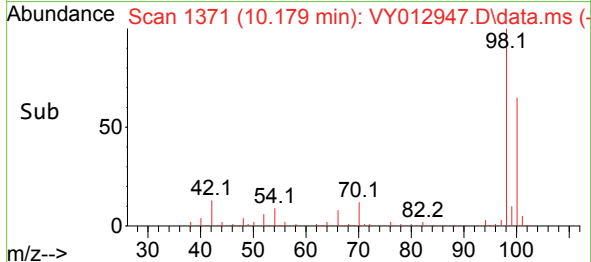
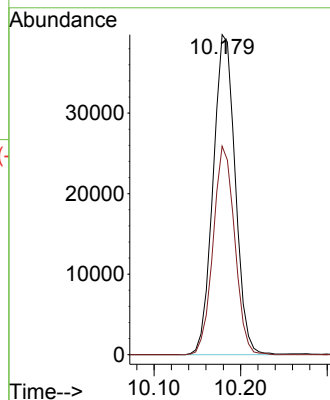
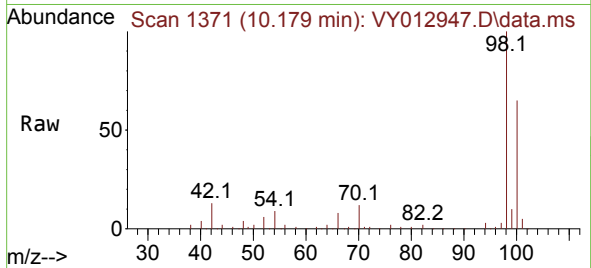




#50
Toluene-d8
Concen: 53.846 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012947.D
Acq: 14 Mar 2023 17:20

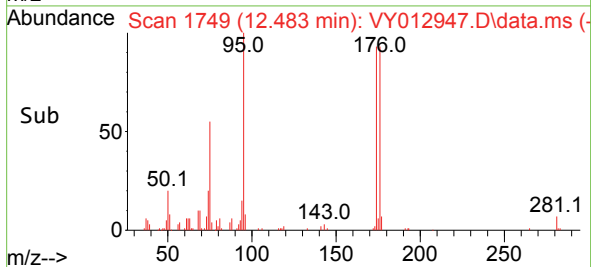
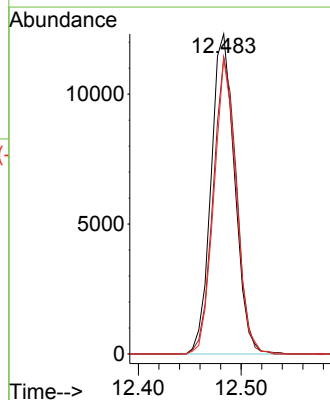
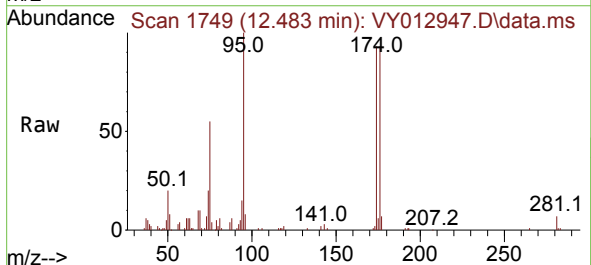
Instrument :
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HILLBOR-DRUMS-0314

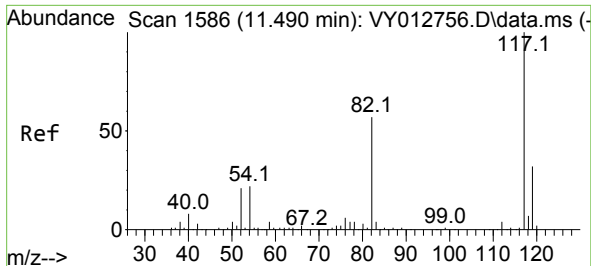
Tgt Ion: 98 Resp: 70551
Ion Ratio Lower Upper
98 100
100 63.4 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 44.356 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012947.D
Acq: 14 Mar 2023 17:20

Tgt Ion: 95 Resp: 19616
Ion Ratio Lower Upper
95 100
174 91.9 0.0 176.6
176 87.5 0.0 170.2

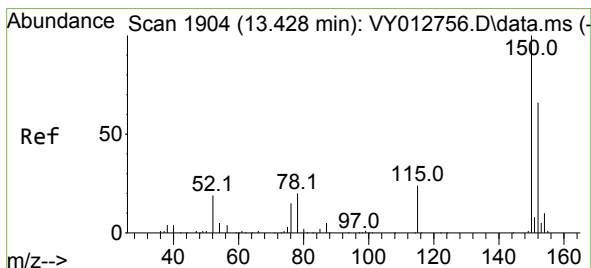
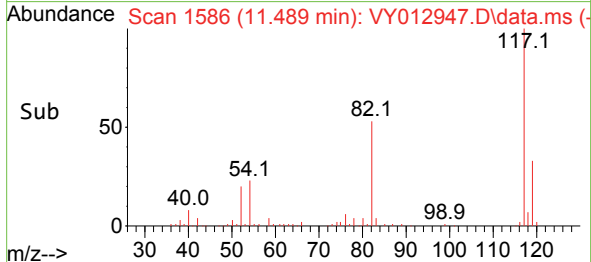
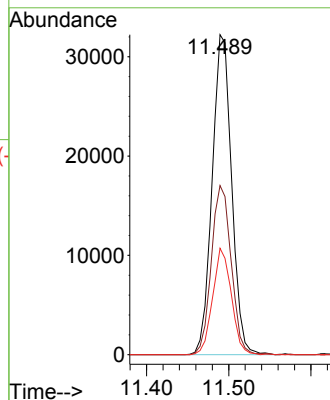
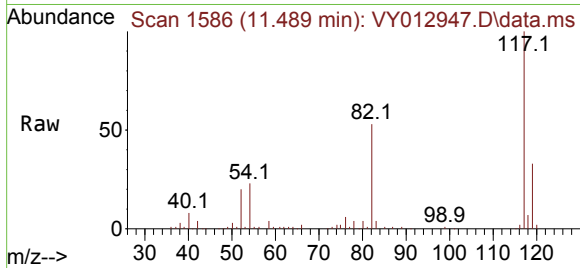




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY012947.D
Acq: 14 Mar 2023 17:20

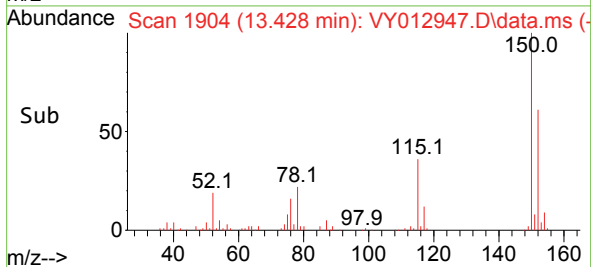
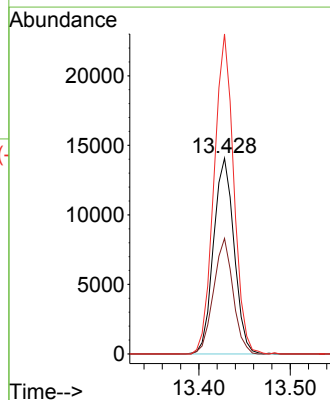
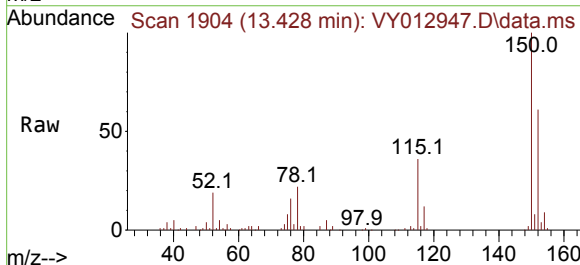
Instrument :
MSVOA_Y
ClientSampleId :
HILLBOR-DRUMS-0314

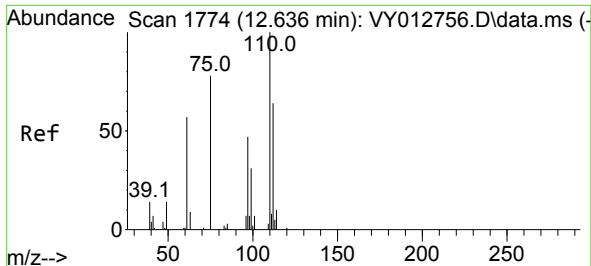
Tgt Ion:	117	Resp:	53054
Ion Ratio	Lower	Upper	
117	100		
82	52.9	45.4	68.0
119	33.2	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY012947.D
Acq: 14 Mar 2023 17:20

Tgt Ion:	152	Resp:	21961
Ion Ratio	Lower	Upper	
152	100		
115	56.1	27.1	81.3
150	157.0	0.0	347.8

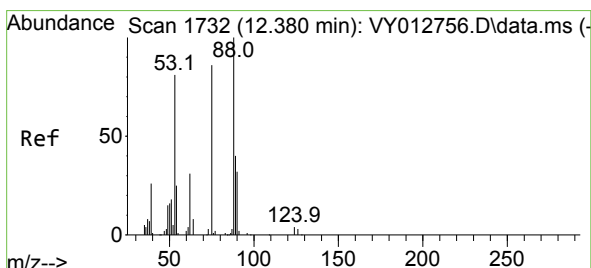
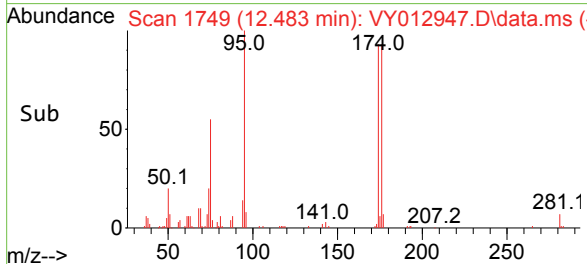
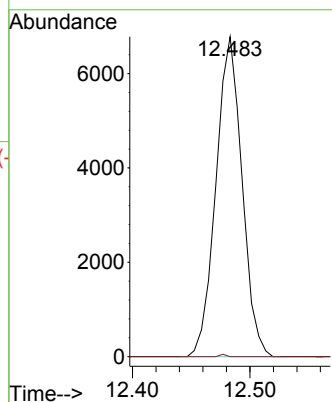
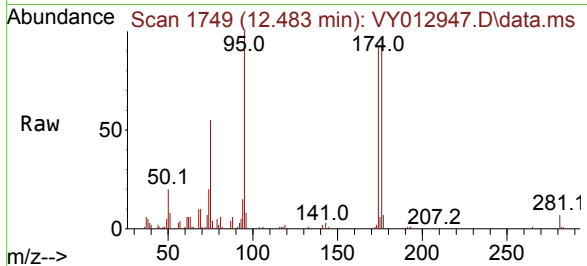




#76
1,2,3-Trichloropropane
Concen: 39.893 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY012947.D
Acq: 14 Mar 2023 17:20

Instrument :
MSVOA_Y
ClientSampleId :
HILLBOR-DRUMS-0314

Tgt Ion: 75 Resp: 10462
Ion Ratio Lower Upper
75 100
77 0.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.660 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY012947.D
Acq: 14 Mar 2023 17:20

Tgt Ion: 75 Resp: 10462
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#

