

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)

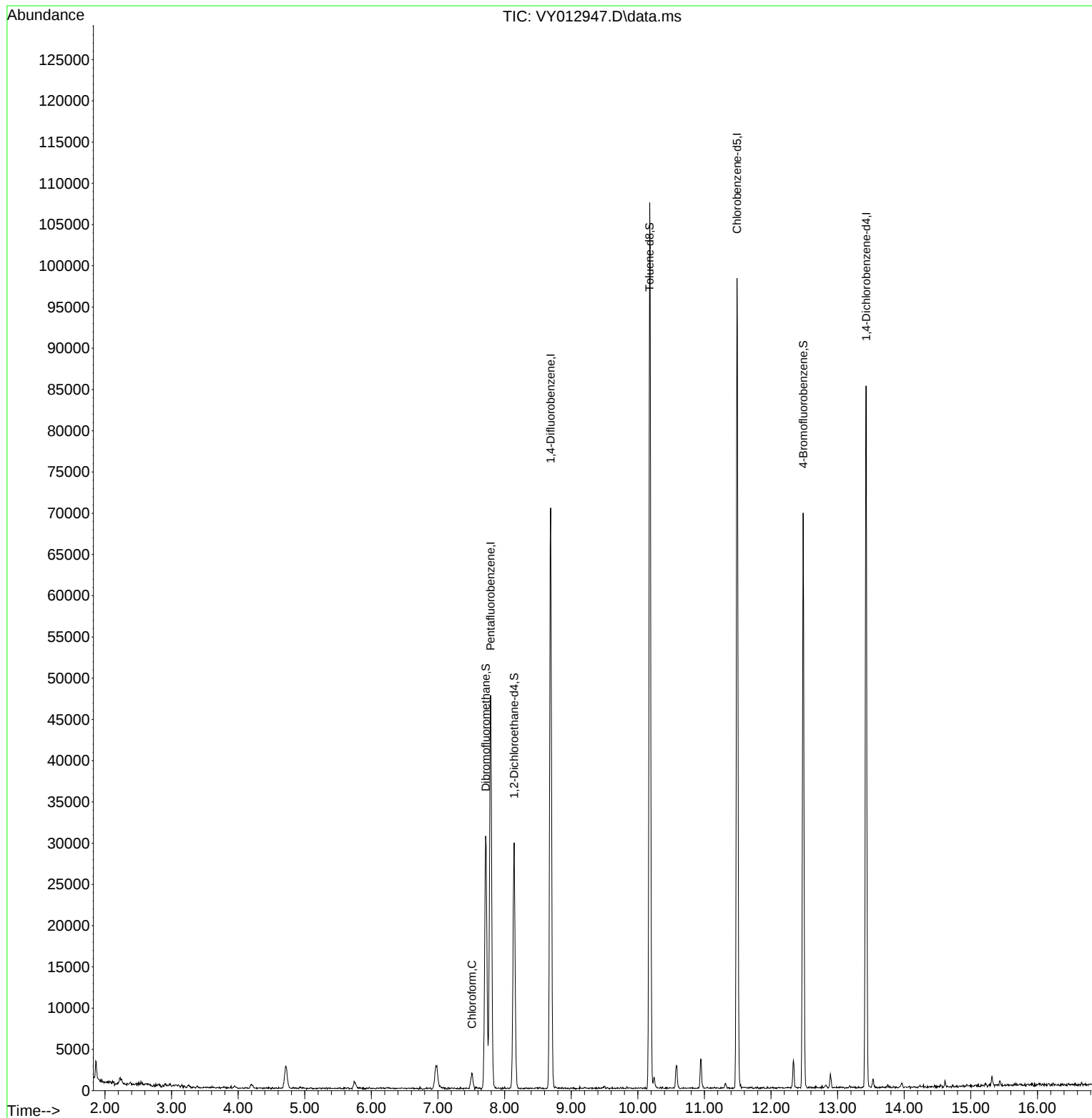
Internal Standards						
1) Pentafluorobenzene	7.789	168	37013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	59387	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	53054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	21961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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
30) Chloroform	7.508	83	1741	2.419	ug/l	99

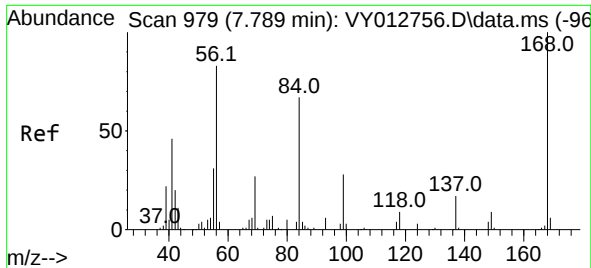
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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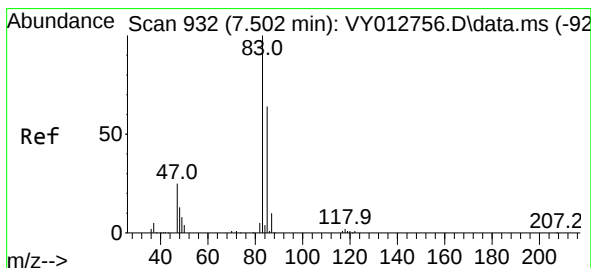
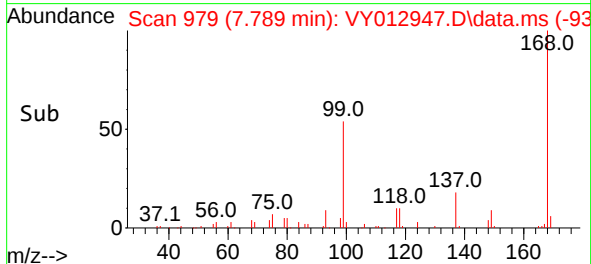
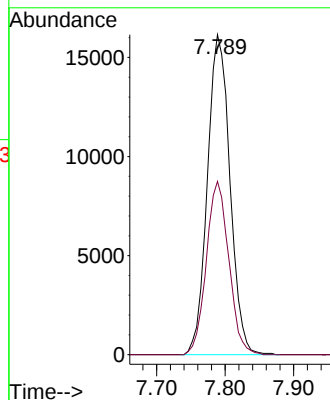
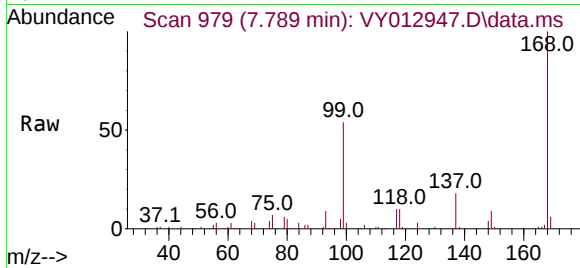




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012947.D
Acq: 14 Mar 2023 17:20

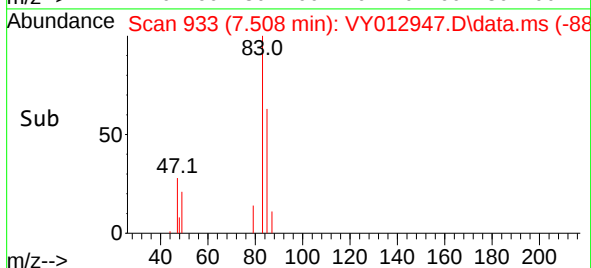
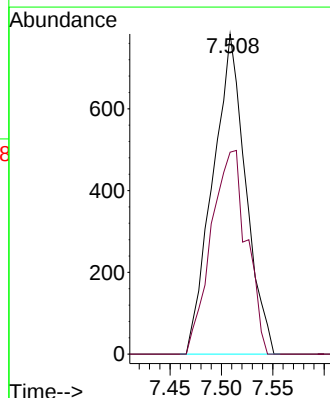
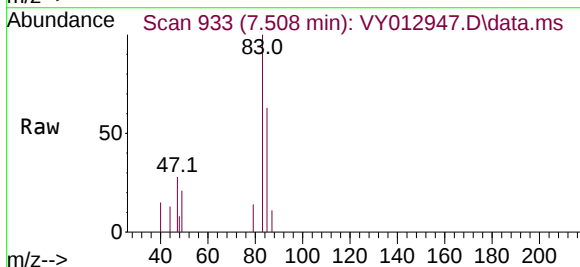
Instrument :
MSVOA_Y
ClientSampleId :
HILLBOR-DRUMS-0314

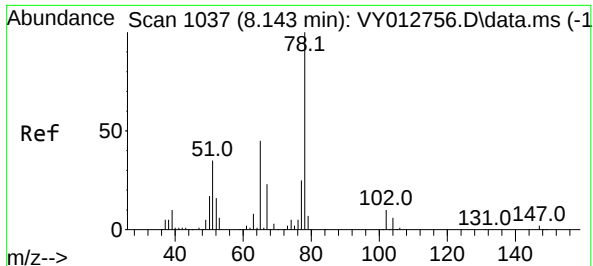
Tgt Ion:168 Resp: 37013
Ion Ratio Lower Upper
168 100
99 54.2 41.7 62.5



#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





#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

Instrument :

MSVOA_Y

ClientSampleId :

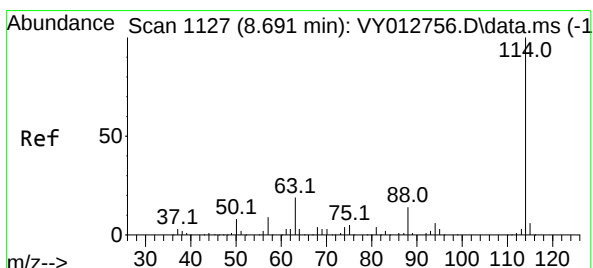
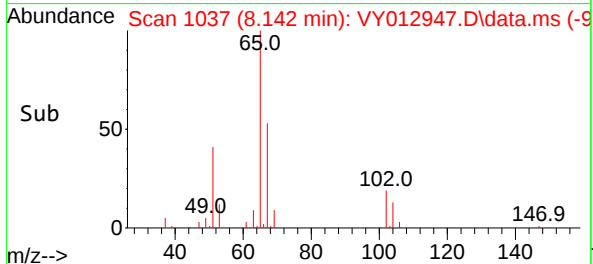
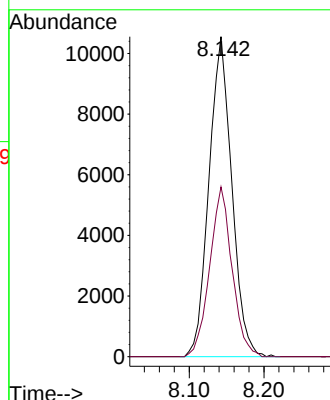
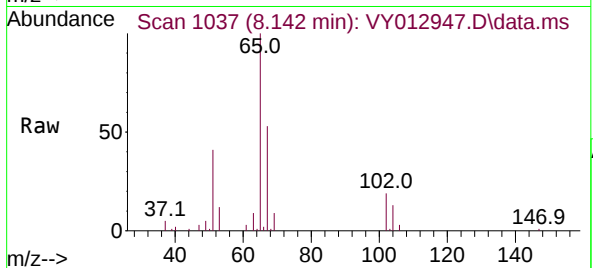
HILLBOR-DRUMS-0314

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

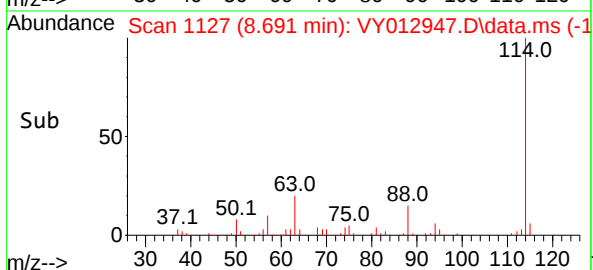
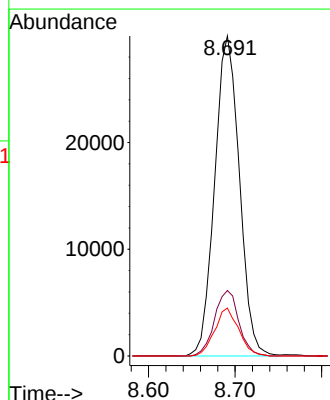
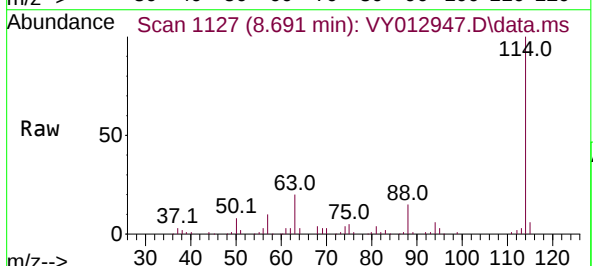
Tgt Ion: 114 Resp: 59387

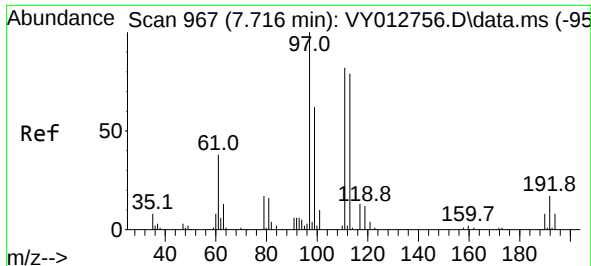
Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.4

88 15.0 0.0 28.6

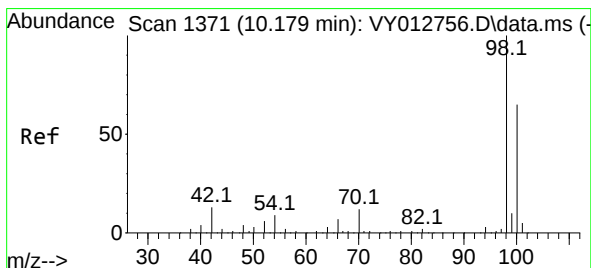
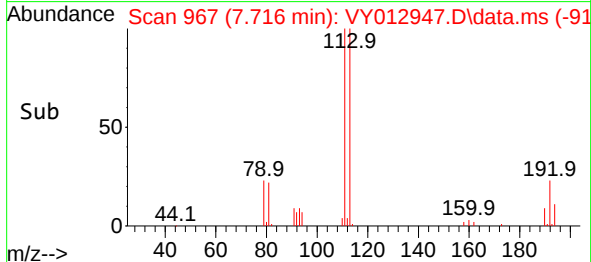
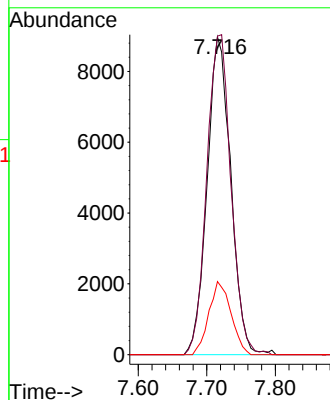
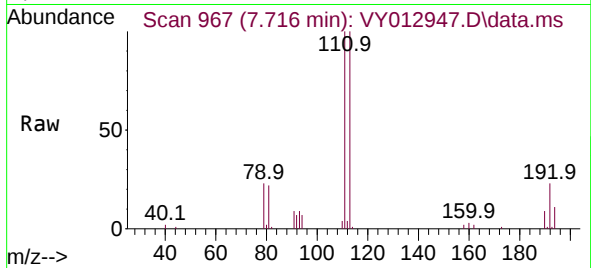




#35
Dibromofluoromethane
Concen: 60.204 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012947.D
Acq: 14 Mar 2023 17:20

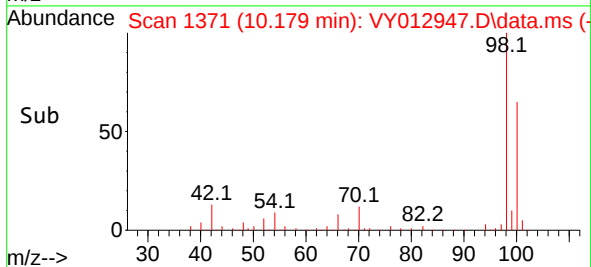
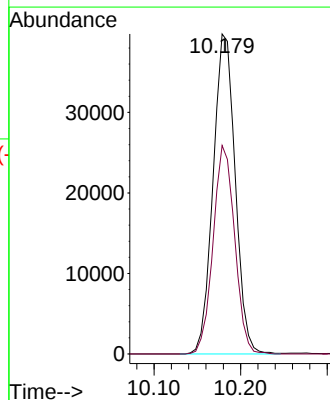
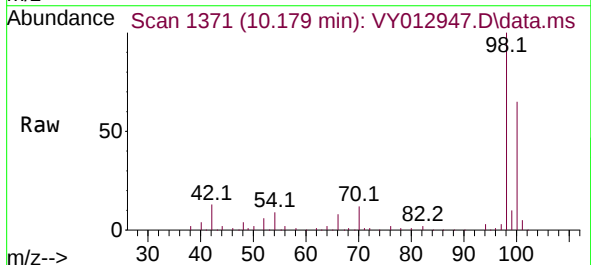
Instrument :
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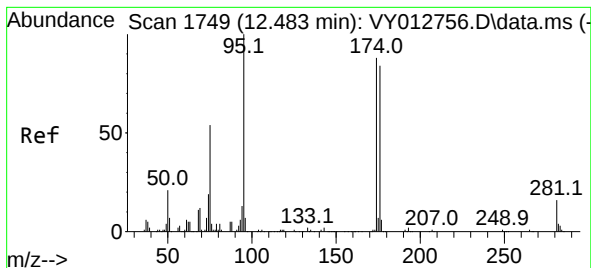
Tgt Ion:113 Resp: 21577
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 21.5 16.8 25.2



#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

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

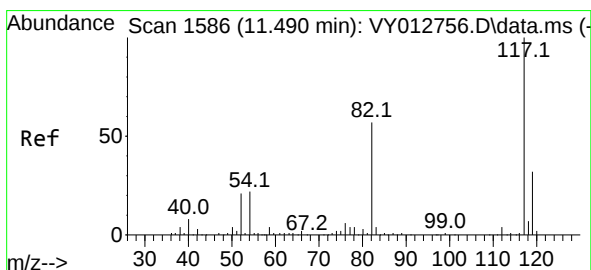
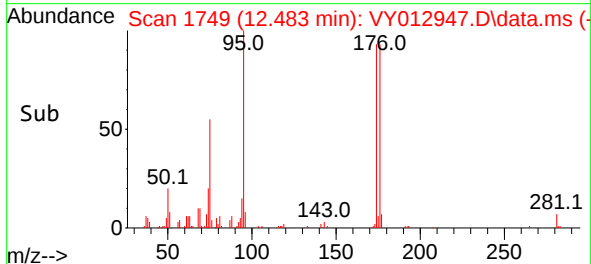
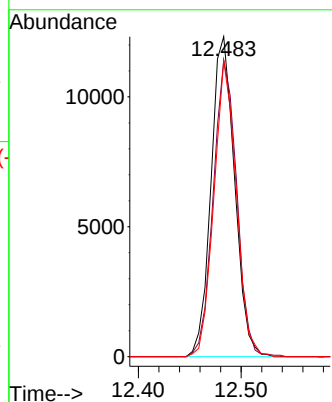
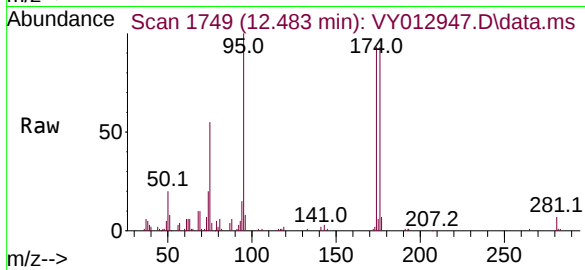




#62
4-Bromofluorobenzene
Concen: 44.356 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012947.D
Acq: 14 Mar 2023 17:20

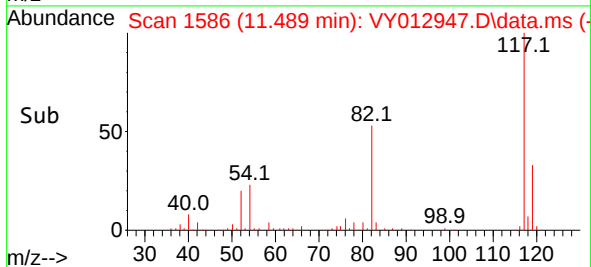
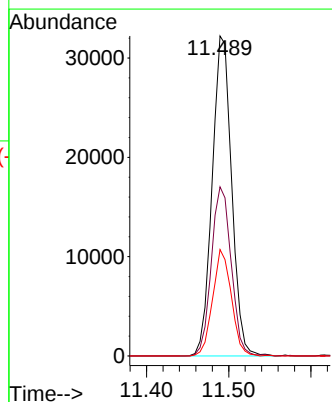
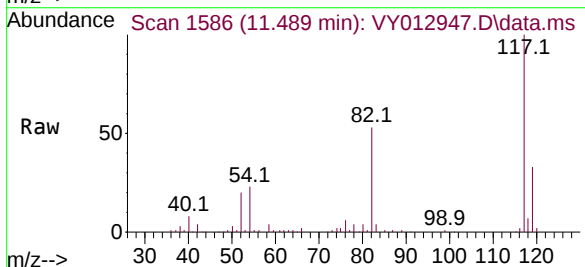
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MSVOA_Y
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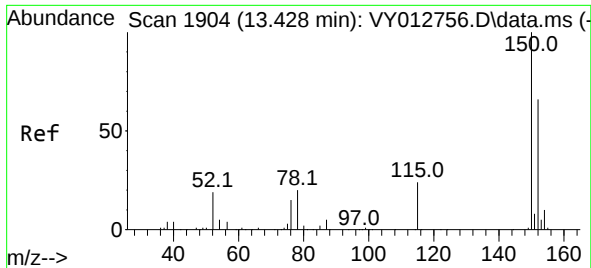
Tgt Ion: 95 Resp: 19616
Ion Ratio Lower Upper
95 100
174 91.9 0.0 176.6
176 87.5 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012947.D
Acq: 14 Mar 2023 17:20

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

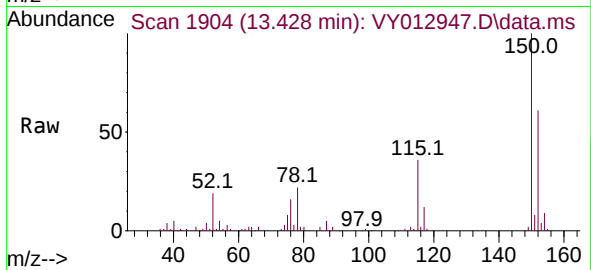
Acq: 14 Mar 2023 17:20

Instrument :

MSVOA_Y

ClientSampleId :

HILLBOR-DRUMS-0314



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

