

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011123\
 Data File : VY012161.D
 Acq On : 11 Jan 2023 14:25
 Operator : KP/MD
 Sample : 01106-01
 Misc : 5.95g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-3

Quant Time: Jan 12 05:49:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

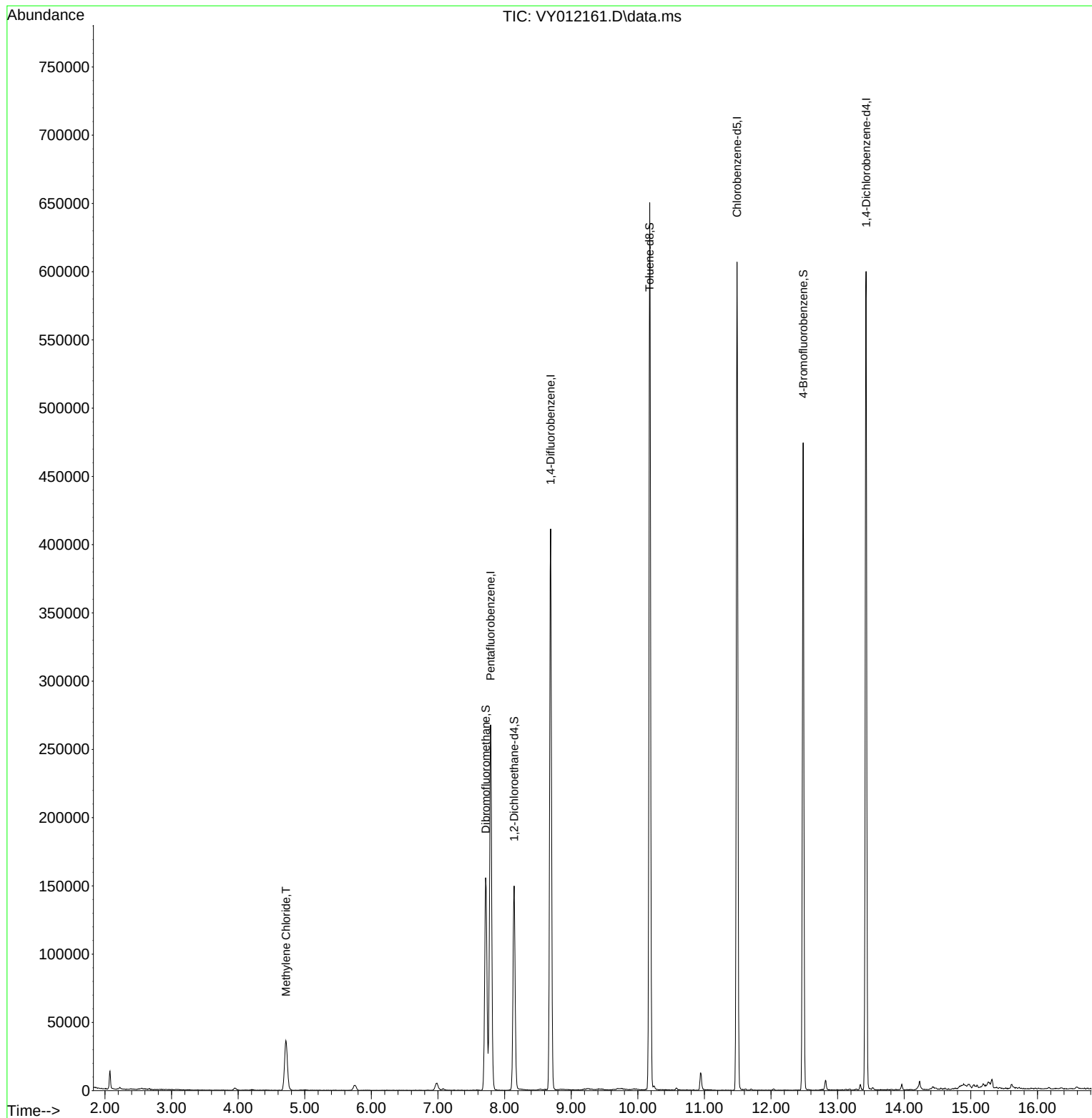
Internal Standards						
1) Pentafluorobenzene	7.789	168	212491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	361261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	344266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	161664	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	120746	50.570	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	101.140%	
35) Dibromofluoromethane	7.716	113	109110	45.951	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	91.900%	
50) Toluene-d8	10.179	98	427238	45.585	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	=	91.180%	
62) 4-Bromofluorobenzene	12.483	95	144303	44.048	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	=	88.100%	
Target Compounds						
20) Methylene Chloride	4.716	84	29903	7.572	ug/l	Qvalue 90

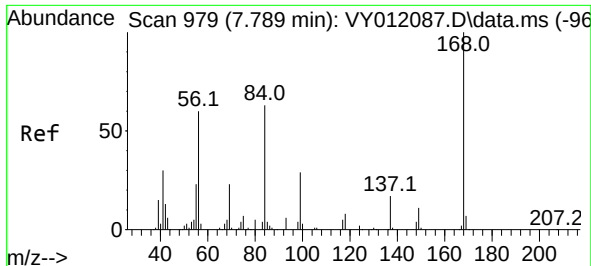
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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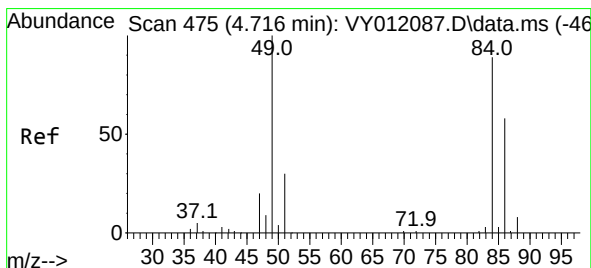
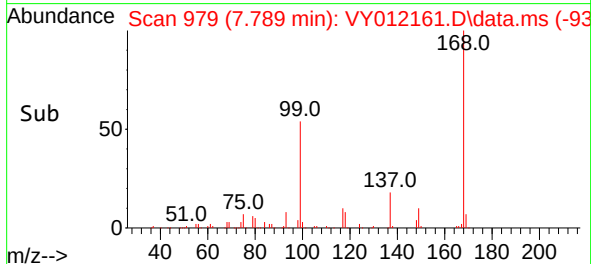
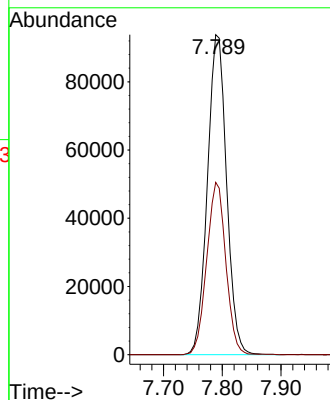
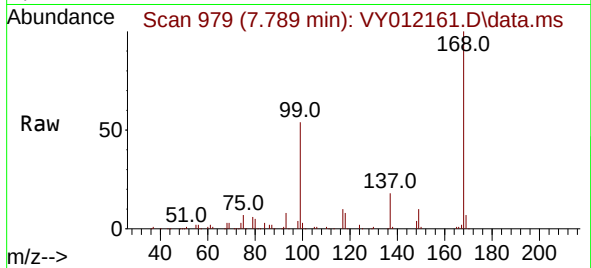




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012161.D
Acq: 11 Jan 2023 14:25

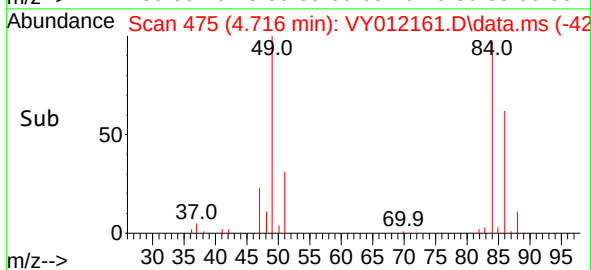
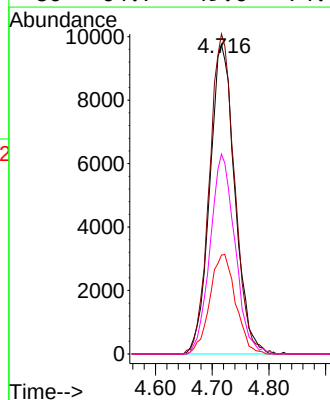
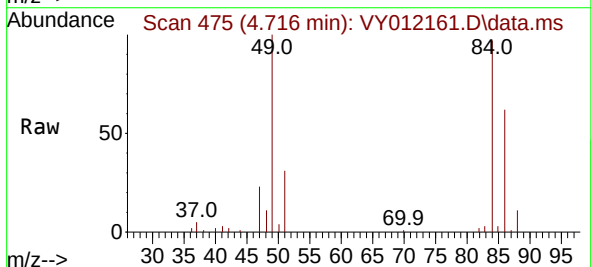
Instrument :
MSVOA_Y
ClientSampleId :
MH-3

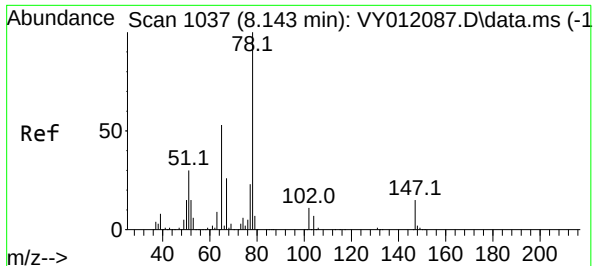
Tgt Ion:168 Resp: 212491
Ion Ratio Lower Upper
168 100
99 53.9 44.0 66.0



#20
Methylene Chloride
Concen: 7.572 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012161.D
Acq: 11 Jan 2023 14:25

Tgt Ion: 84 Resp: 29903
Ion Ratio Lower Upper
84 100
49 103.5 95.4 143.2
51 32.0 29.9 44.9
86 64.7 49.6 74.4





#33

1,2-Dichloroethane-d4

Concen: 50.570 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY012161.D

Acq: 11 Jan 2023 14:25

Instrument :

MSVOA_Y

ClientSampleId :

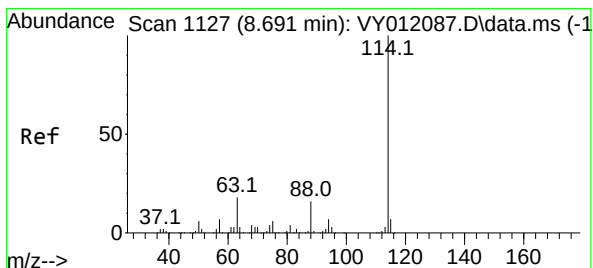
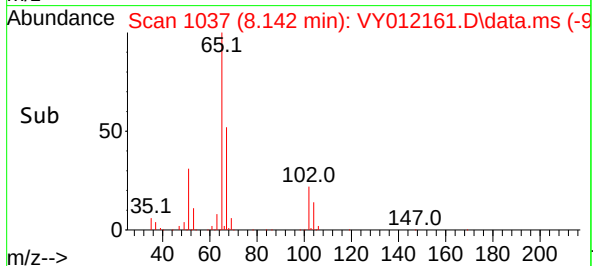
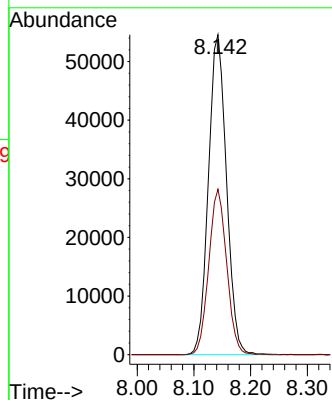
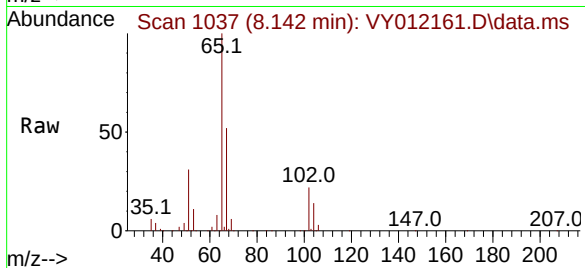
MH-3

Tgt Ion: 65 Resp: 120746

Ion Ratio Lower Upper

65 100

67 51.3 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012161.D

Acq: 11 Jan 2023 14:25

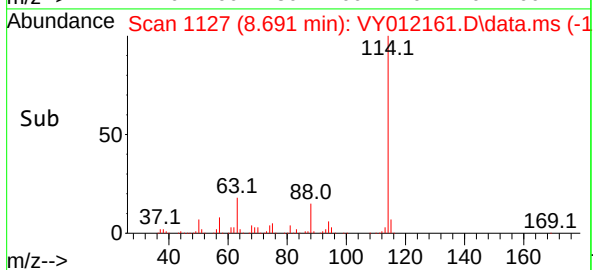
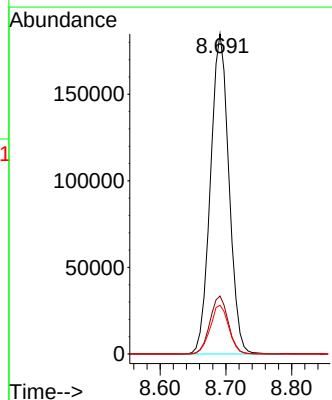
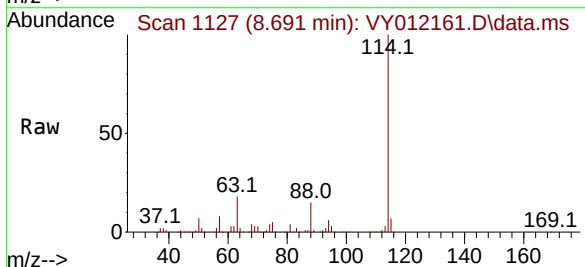
Tgt Ion: 114 Resp: 361261

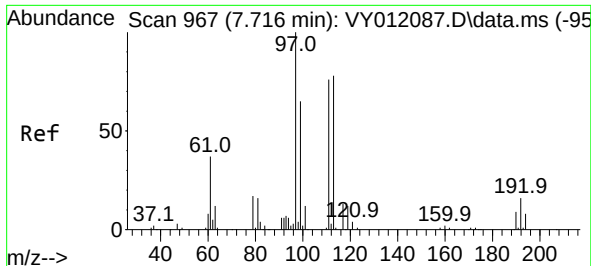
Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.6

88 15.2 0.0 32.2

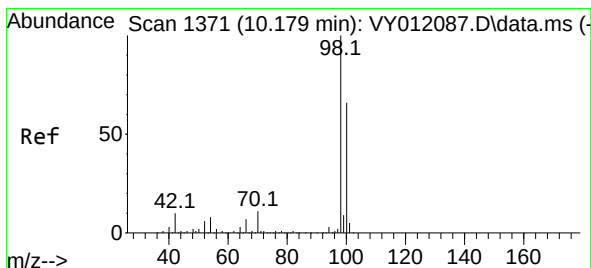
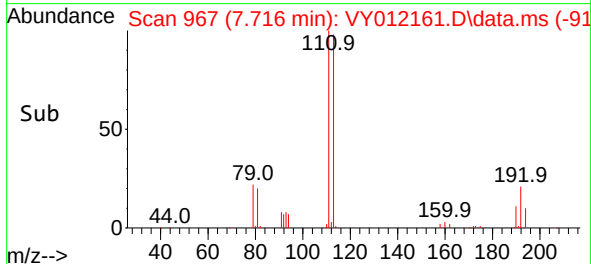
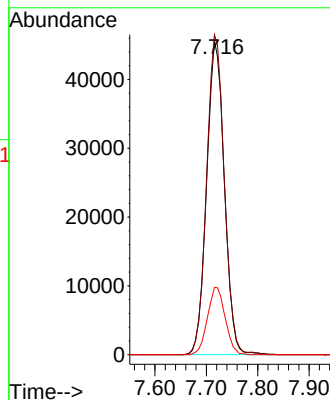
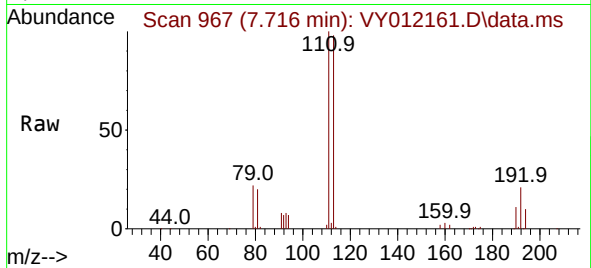




#35
Dibromofluoromethane
Concen: 45.951 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY012161.D
Acq: 11 Jan 2023 14:25

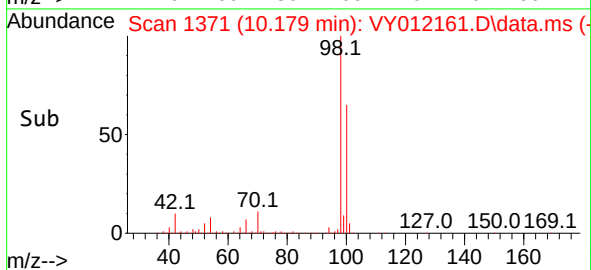
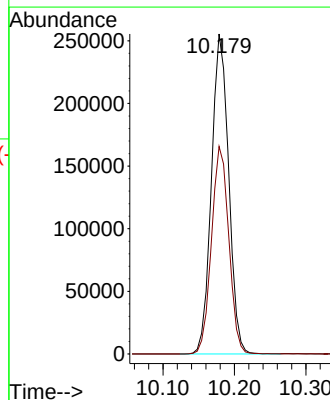
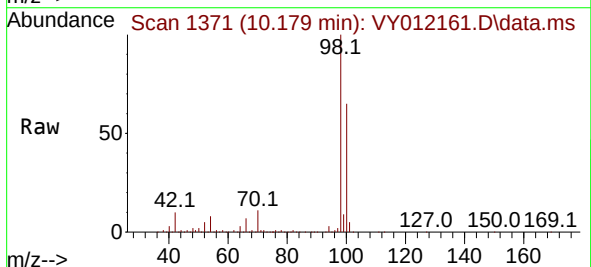
Instrument :
MSVOA_Y
ClientSampleId :
MH-3

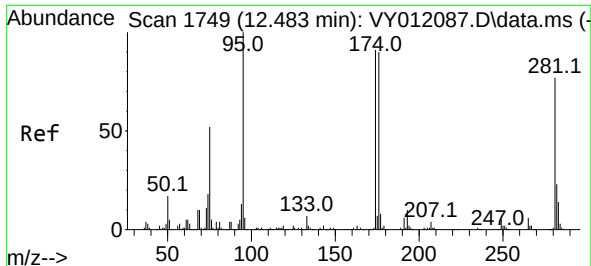
Tgt Ion:113 Resp: 109110
Ion Ratio Lower Upper
113 100
111 102.2 83.0 124.4
192 21.5 16.0 24.0



#50
Toluene-d8
Concen: 45.585 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012161.D
Acq: 11 Jan 2023 14:25

Tgt Ion: 98 Resp: 427238
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9

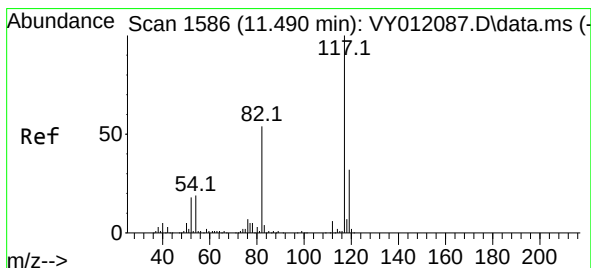
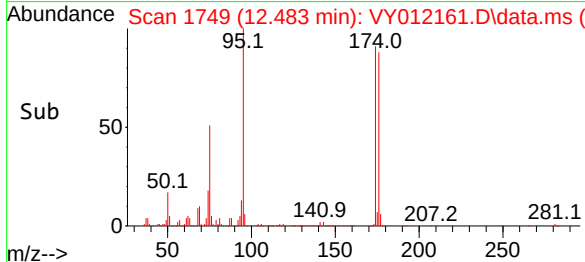
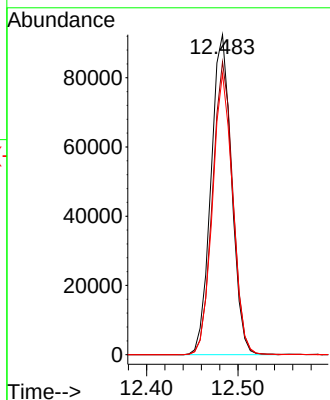
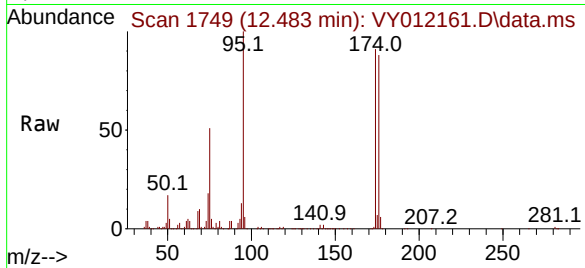




#62
4-Bromofluorobenzene
Concen: 44.048 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012161.D
Acq: 11 Jan 2023 14:25

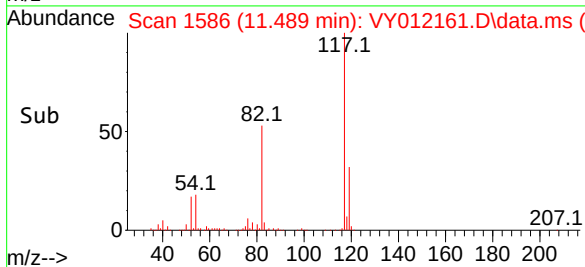
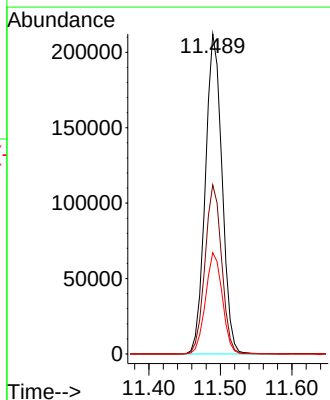
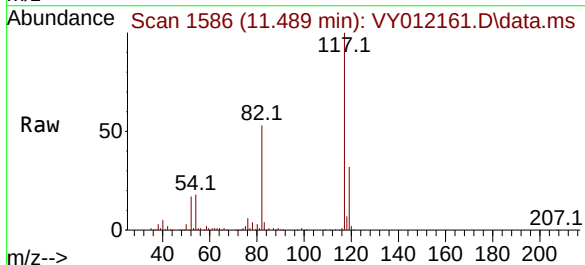
Instrument :
MSVOA_Y
ClientSampleId :
MH-3

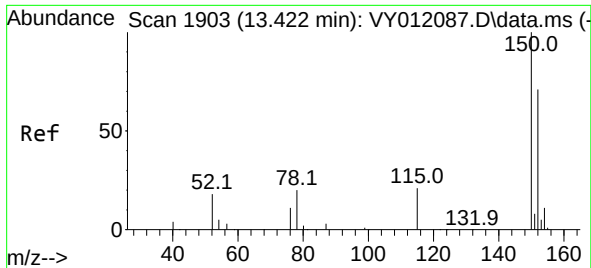
Tgt Ion: 95 Resp: 144303
Ion Ratio Lower Upper
95 100
174 90.7 0.0 172.0
176 86.6 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012161.D
Acq: 11 Jan 2023 14:25

Tgt Ion: 117 Resp: 344266
Ion Ratio Lower Upper
117 100
82 52.8 44.8 67.2
119 31.6 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY012161.D

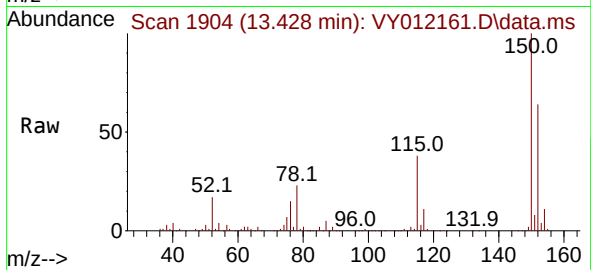
Acq: 11 Jan 2023 14:25

Instrument :

MSVOA_Y

ClientSampleId :

MH-3



Tgt Ion:152 Resp: 161664

Ion Ratio Lower Upper

152 100

115 58.3 29.1 87.3

150 158.6 0.0 342.6

