

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011723\
 Data File : VY012219.D
 Acq On : 17 Jan 2023 13:03
 Operator : KP/MD
 Sample : 01159-04
 Misc : 4.60g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-6

Quant Time: Jan 18 00:32:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

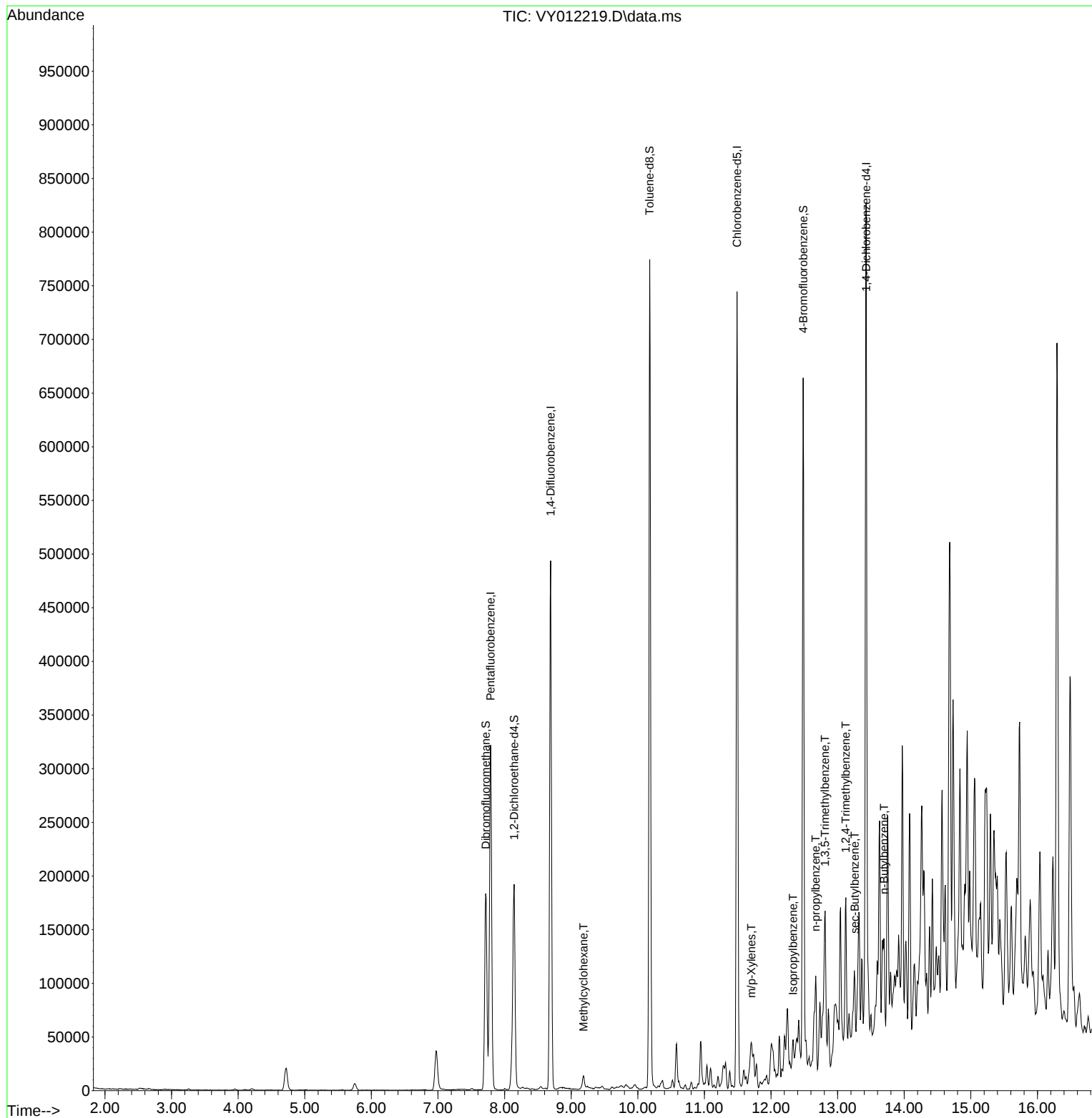
Internal Standards						
1) Pentafluorobenzene	7.789	168	256661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	428105	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	419695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	209542	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	142391	68.376	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.760%	
35) Dibromofluoromethane	7.716	113	129049	56.930	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.860%	
50) Toluene-d8	10.179	98	507973	66.068	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 132.140%	
62) 4-Bromofluorobenzene	12.483	95	189209	59.211	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 118.420%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.185	83	5026	1.068	ug/l	95
68) m/p-Xylenes	11.703	106	10782	1.777	ug/l	98
73) Isopropylbenzene	12.331	105	15797	1.045	ug/l	98
78) n-propylbenzene	12.672	91	67097	3.795	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	16068	1.223	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	71536	5.522	ug/l	98
85) sec-Butylbenzene	13.257	105	35001	2.147	ug/l	81
89) n-Butylbenzene	13.696	91	49491	4.010	ug/l #	78

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

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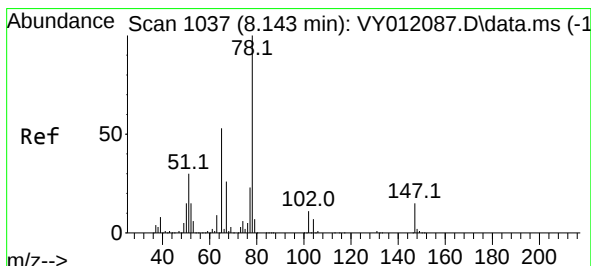
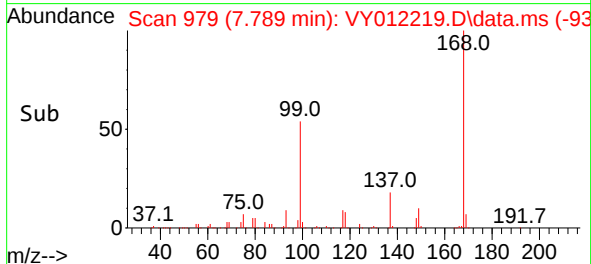
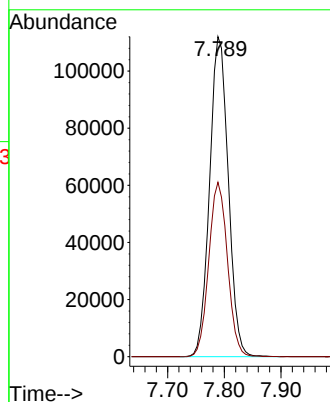
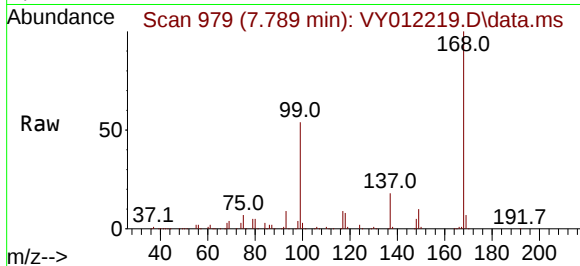




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012219.D
Acq: 17 Jan 2023 13:03

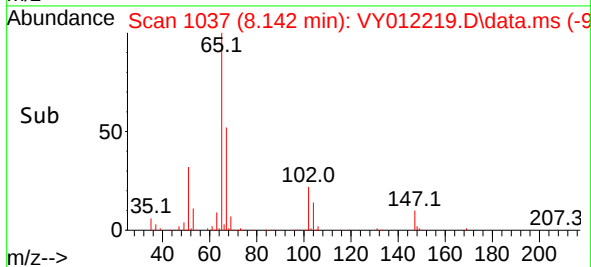
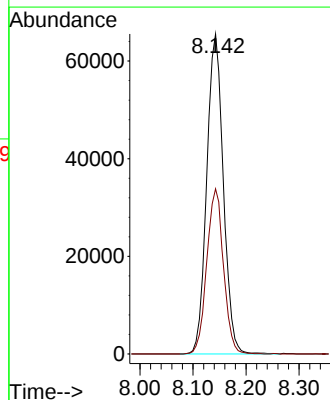
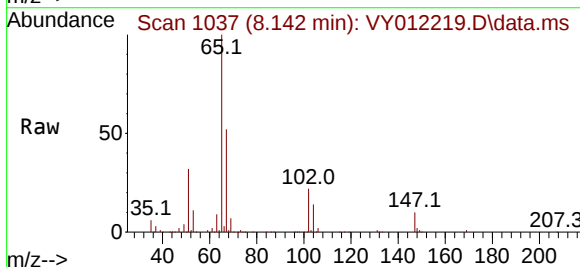
Instrument :
MSVOA_Y
ClientSampleId :
MH-6

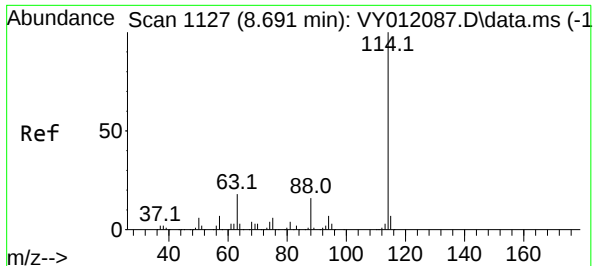
Tgt Ion:168 Resp: 256661
Ion Ratio Lower Upper
168 100
99 54.5 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 68.376 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012219.D
Acq: 17 Jan 2023 13:03

Tgt Ion: 65 Resp: 142391
Ion Ratio Lower Upper
65 100
67 51.9 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: VY012219.D

Acq: 17 Jan 2023 13:03

Instrument :

MSVOA_Y

ClientSampleId :

MH-6

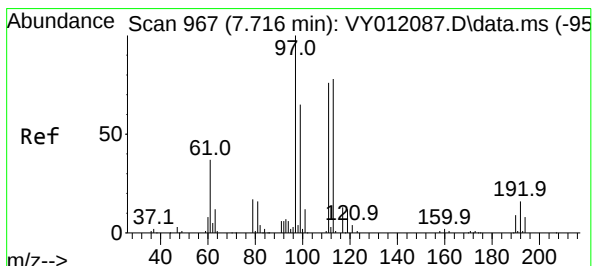
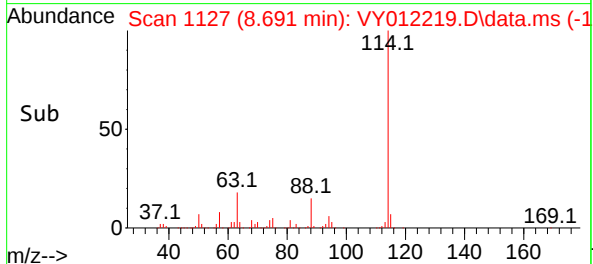
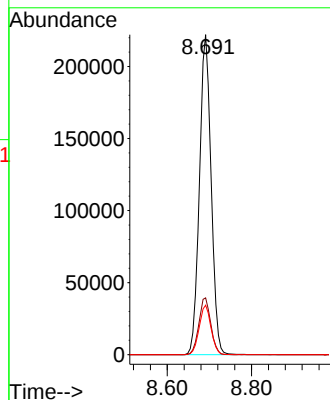
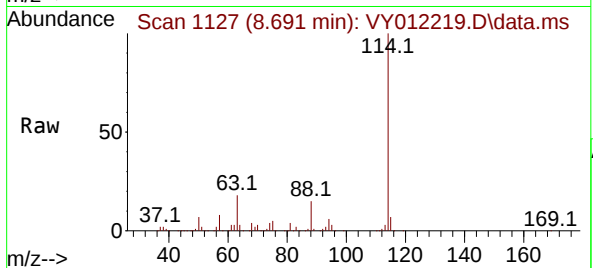
Tgt Ion:114 Resp: 428105

Ion Ratio Lower Upper

114 100

63 17.8 0.0 39.6

88 15.5 0.0 32.2



#35

Dibromofluoromethane

Concen: 56.930 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012219.D

Acq: 17 Jan 2023 13:03

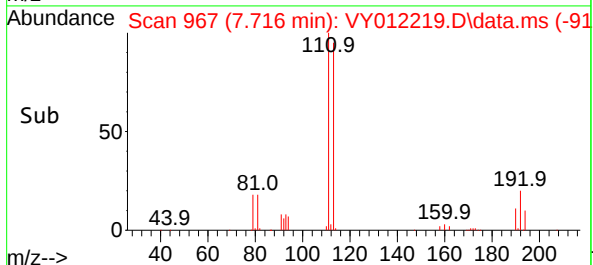
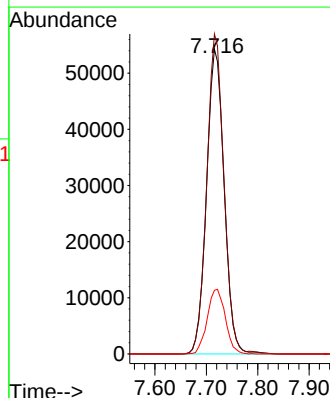
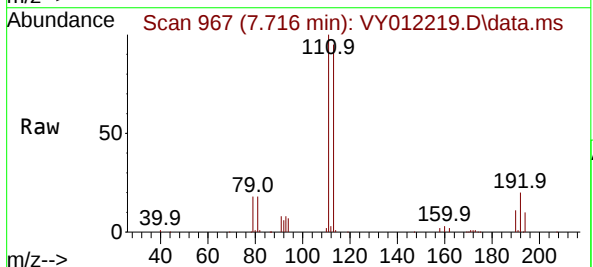
Tgt Ion:113 Resp: 129049

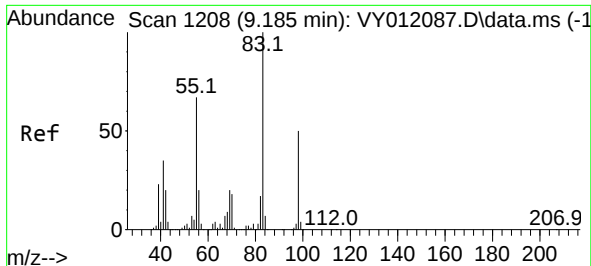
Ion Ratio Lower Upper

113 100

111 102.9 83.0 124.4

192 21.8 16.0 24.0





#39

Methylcyclohexane

Concen: 1.068 ug/l

RT: 9.185 min Scan# 1208

Delta R.T. -0.000 min

Lab File: VY012219.D

Acq: 17 Jan 2023 13:03

Instrument :

MSVOA_Y

ClientSampleId :

MH-6

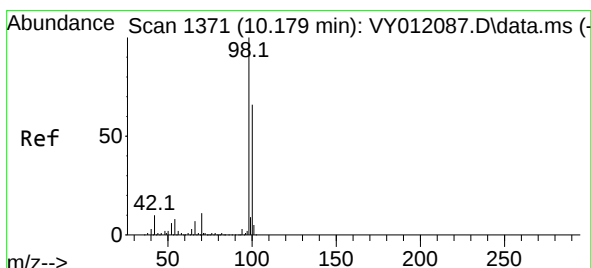
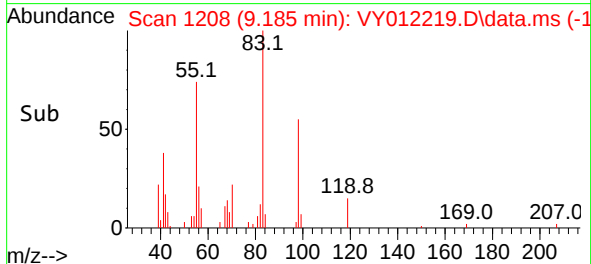
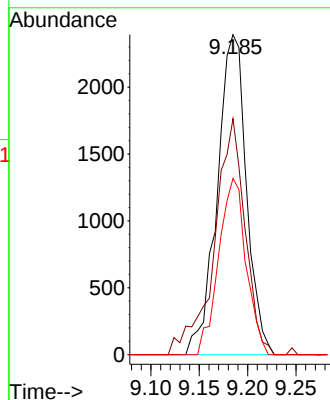
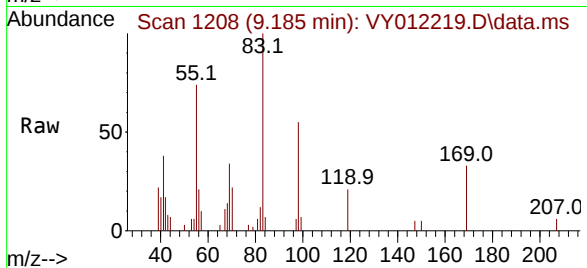
Tgt Ion: 83 Resp: 5026

Ion Ratio Lower Upper

83 100

55 73.7 58.2 87.2

98 55.1 38.6 58.0



#50

Toluene-d8

Concen: 66.068 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012219.D

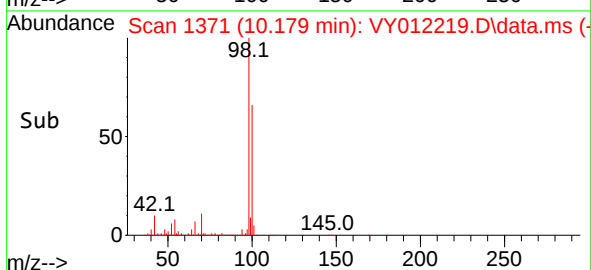
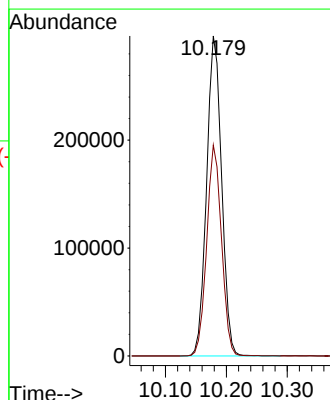
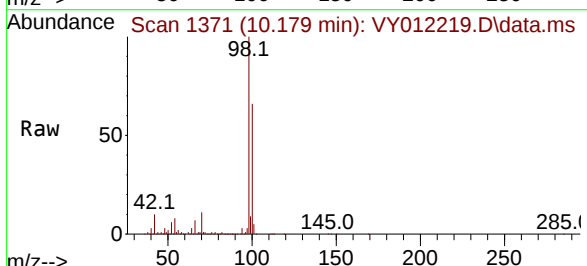
Acq: 17 Jan 2023 13:03

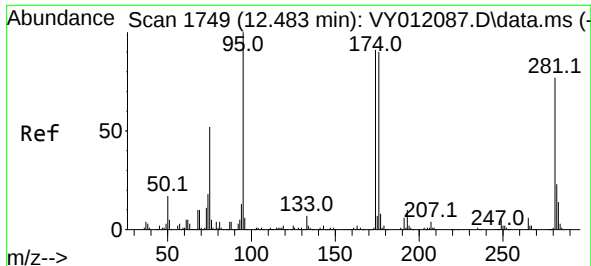
Tgt Ion: 98 Resp: 507973

Ion Ratio Lower Upper

98 100

100 65.0 51.9 77.9

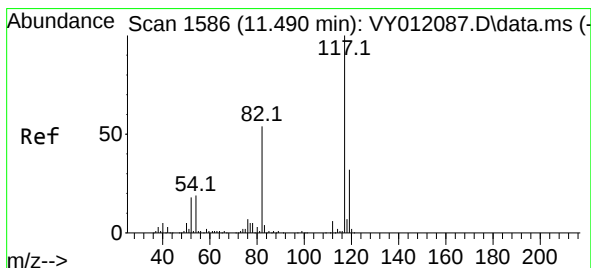
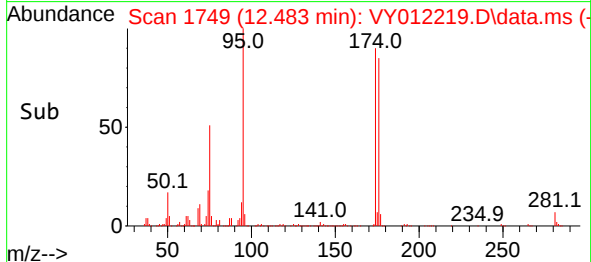
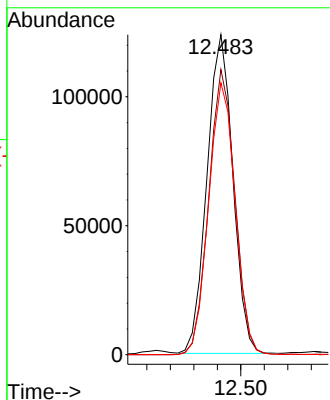
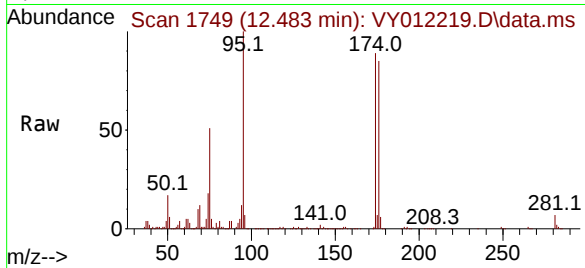




#62
4-Bromofluorobenzene
Concen: 59.211 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012219.D
Acq: 17 Jan 2023 13:03

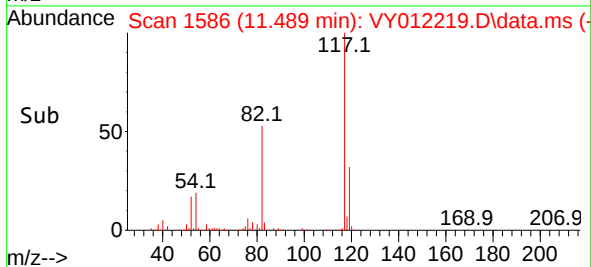
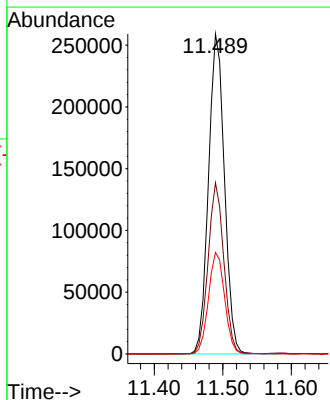
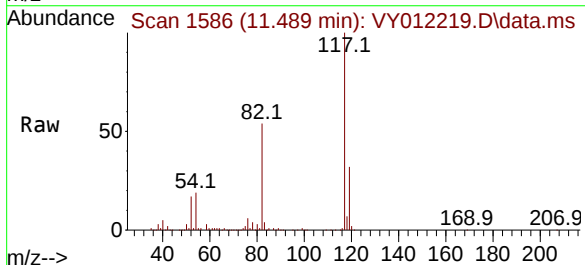
Instrument :
MSVOA_Y
ClientSampleId :
MH-6

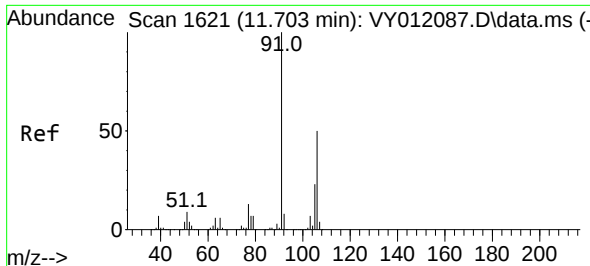
Tgt Ion: 95 Resp: 189209
Ion Ratio Lower Upper
95 100
174 90.4 0.0 172.0
176 87.6 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012219.D
Acq: 17 Jan 2023 13:03

Tgt Ion: 117 Resp: 419695
Ion Ratio Lower Upper
117 100
82 53.4 44.8 67.2
119 31.7 25.4 38.2

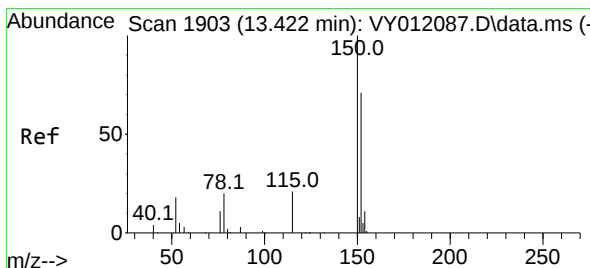
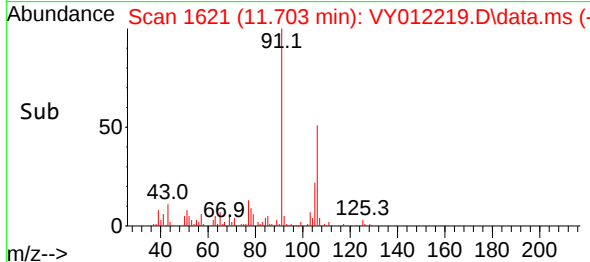
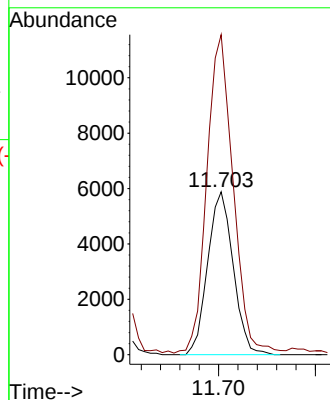
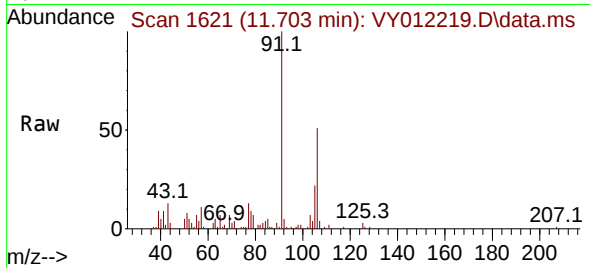




#68
m/p-Xylenes
Concen: 1.777 ug/l
RT: 11.703 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY012219.D
Acq: 17 Jan 2023 13:03

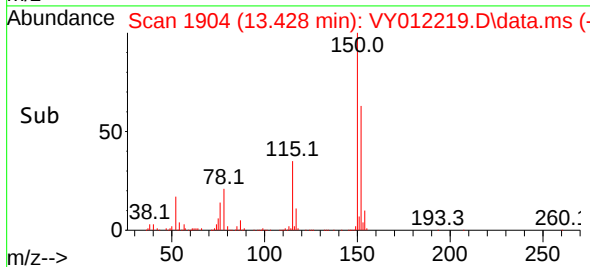
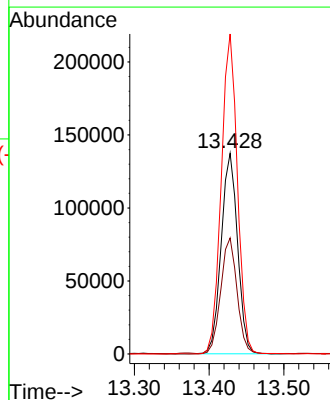
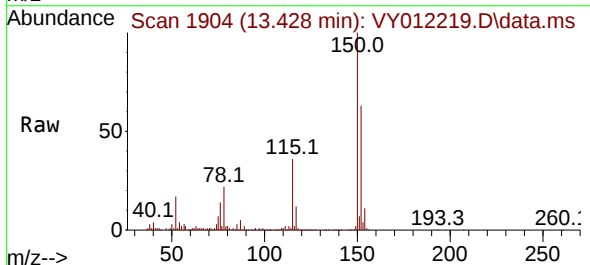
Instrument :
MSVOA_Y
ClientSampleId :
MH-6

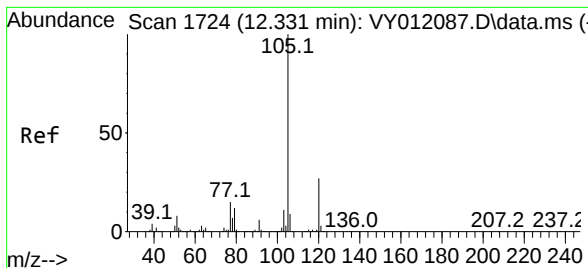
Tgt Ion:106 Resp: 10782
Ion Ratio Lower Upper
106 100
91 200.4 162.5 243.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012219.D
Acq: 17 Jan 2023 13:03

Tgt Ion:152 Resp: 209542
Ion Ratio Lower Upper
152 100
115 57.5 29.1 87.3
150 157.6 0.0 342.6





#73

Isopropylbenzene

Concen: 1.045 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. -0.000 min

Lab File: VY012219.D

Acq: 17 Jan 2023 13:03

Instrument :

MSVOA_Y

ClientSampleId :

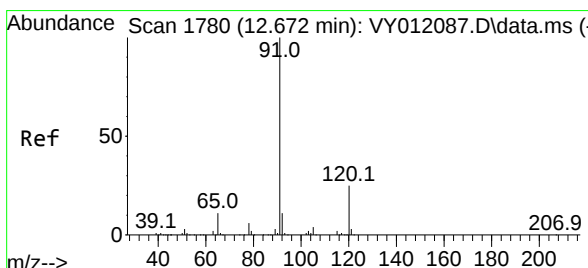
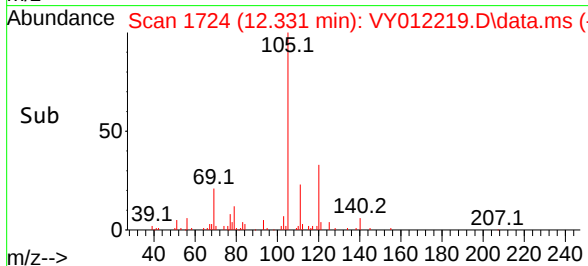
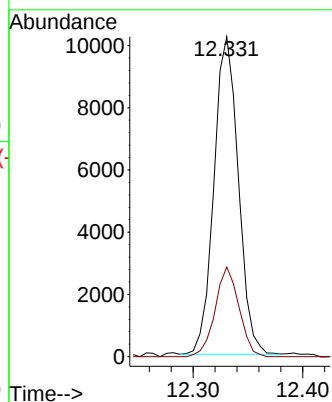
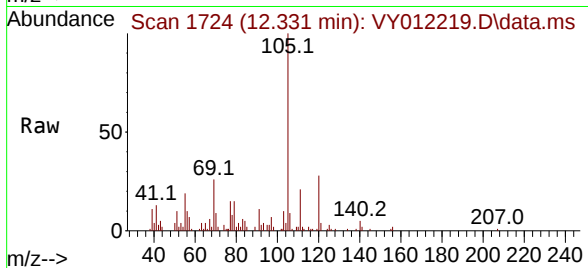
MH-6

Tgt Ion:105 Resp: 15797

Ion Ratio Lower Upper

105 100

120 27.6 13.2 39.6



#78

n-propylbenzene

Concen: 3.795 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY012219.D

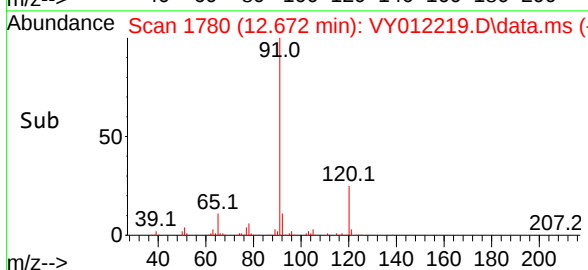
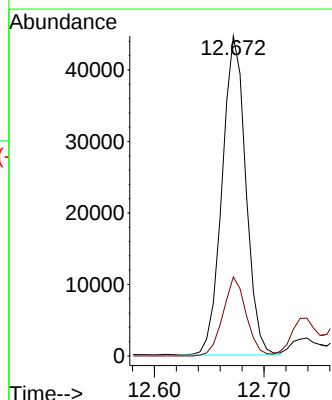
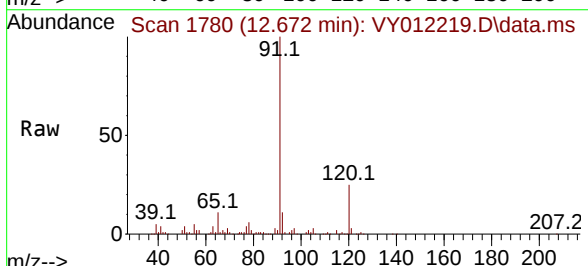
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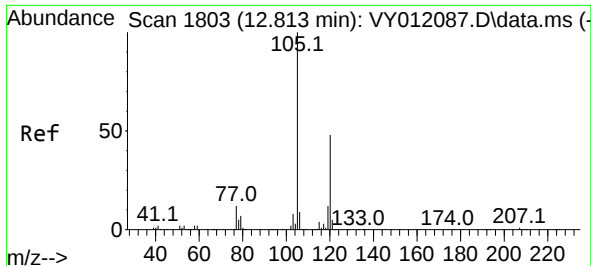
Tgt Ion: 91 Resp: 67097

Ion Ratio Lower Upper

91 100

120 24.2 11.8 35.4

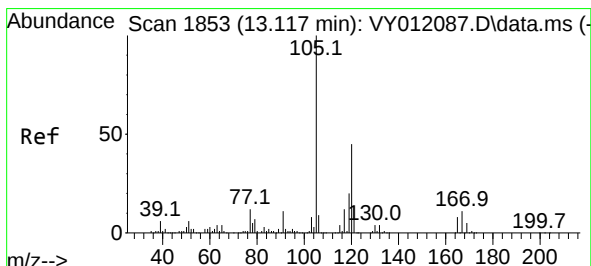
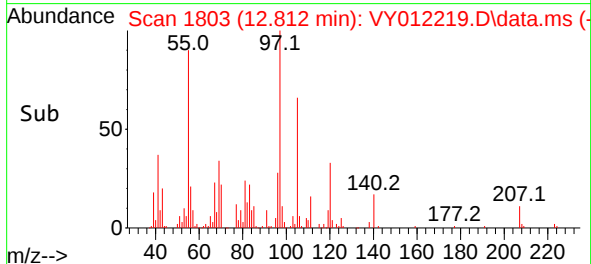
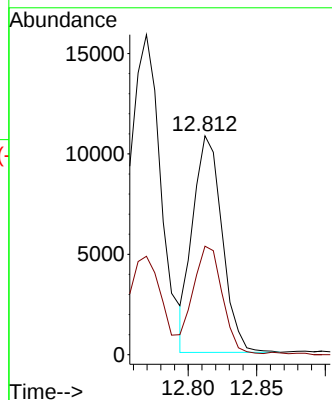
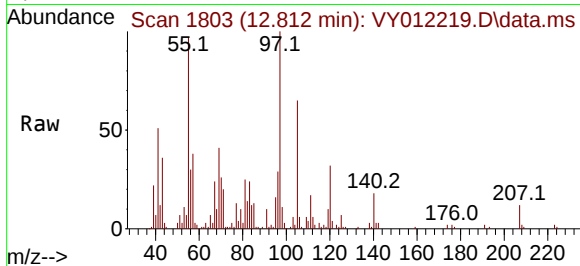




#80
1,3,5-Trimethylbenzene
Concen: 1.223 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.001 min
Lab File: VY012219.D
Acq: 17 Jan 2023 13:03

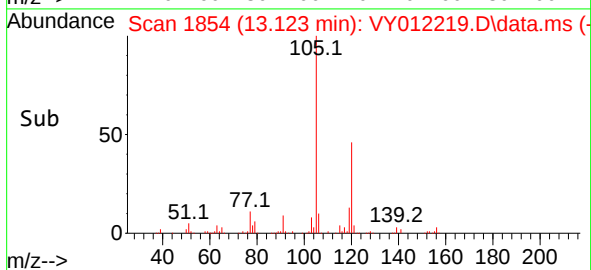
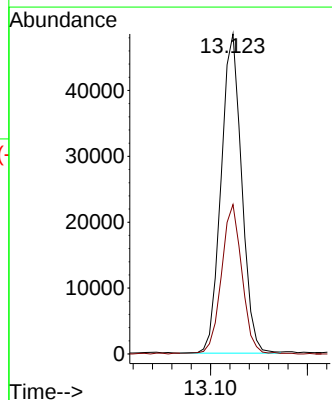
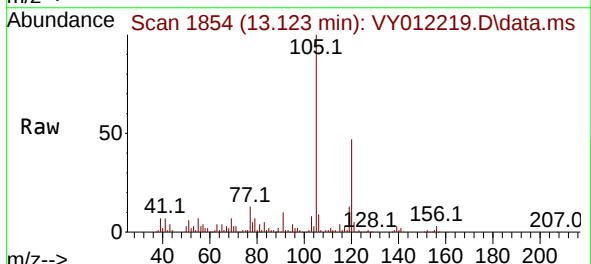
Instrument :
MSVOA_Y
ClientSampleId :
MH-6

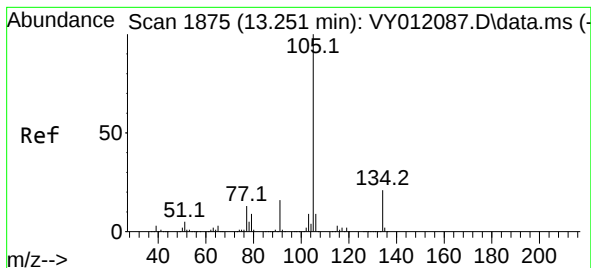
Tgt Ion:105 Resp: 16068
Ion Ratio Lower Upper
105 100
120 50.9 24.2 72.6



#84
1,2,4-Trimethylbenzene
Concen: 5.522 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY012219.D
Acq: 17 Jan 2023 13:03

Tgt Ion:105 Resp: 71536
Ion Ratio Lower Upper
105 100
120 46.9 22.9 68.7





#85

sec-Butylbenzene

Concen: 2.147 ug/l

RT: 13.257 min Scan# 1875

Delta R.T. 0.006 min

Lab File: VY012219.D

Acq: 17 Jan 2023 13:03

Instrument :

MSVOA_Y

ClientSampleId :

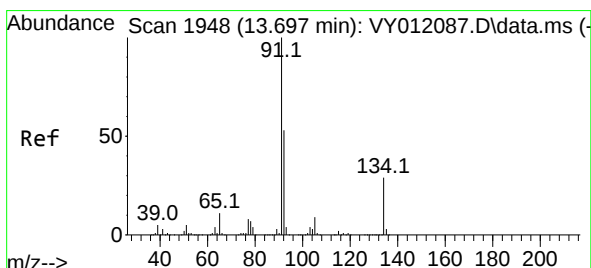
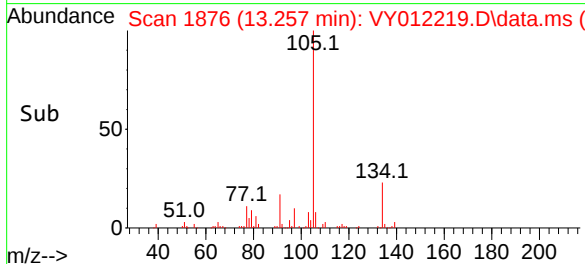
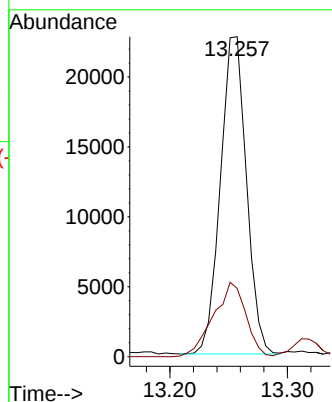
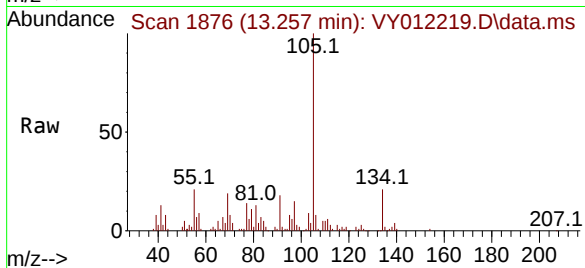
MH-6

Tgt Ion:105 Resp: 35001

Ion Ratio Lower Upper

105 100

134 29.1 10.1 30.3



#89

n-Butylbenzene

Concen: 4.010 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.001 min

Lab File: VY012219.D

Acq: 17 Jan 2023 13:03

Tgt Ion: 91 Resp: 49491

Ion Ratio Lower Upper

91 100

92 47.9 26.8 80.4

134 0.0 13.3 39.8#

