

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021822\
 Data File : VY007547.D
 Acq On : 18 Feb 2022 16:04
 Operator : SY/MD
 Sample : N1580-08
 Misc : 5.88g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D-8

Quant Time: Feb 19 04:33:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 09:34:50 2022
 Response via : Initial Calibration

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

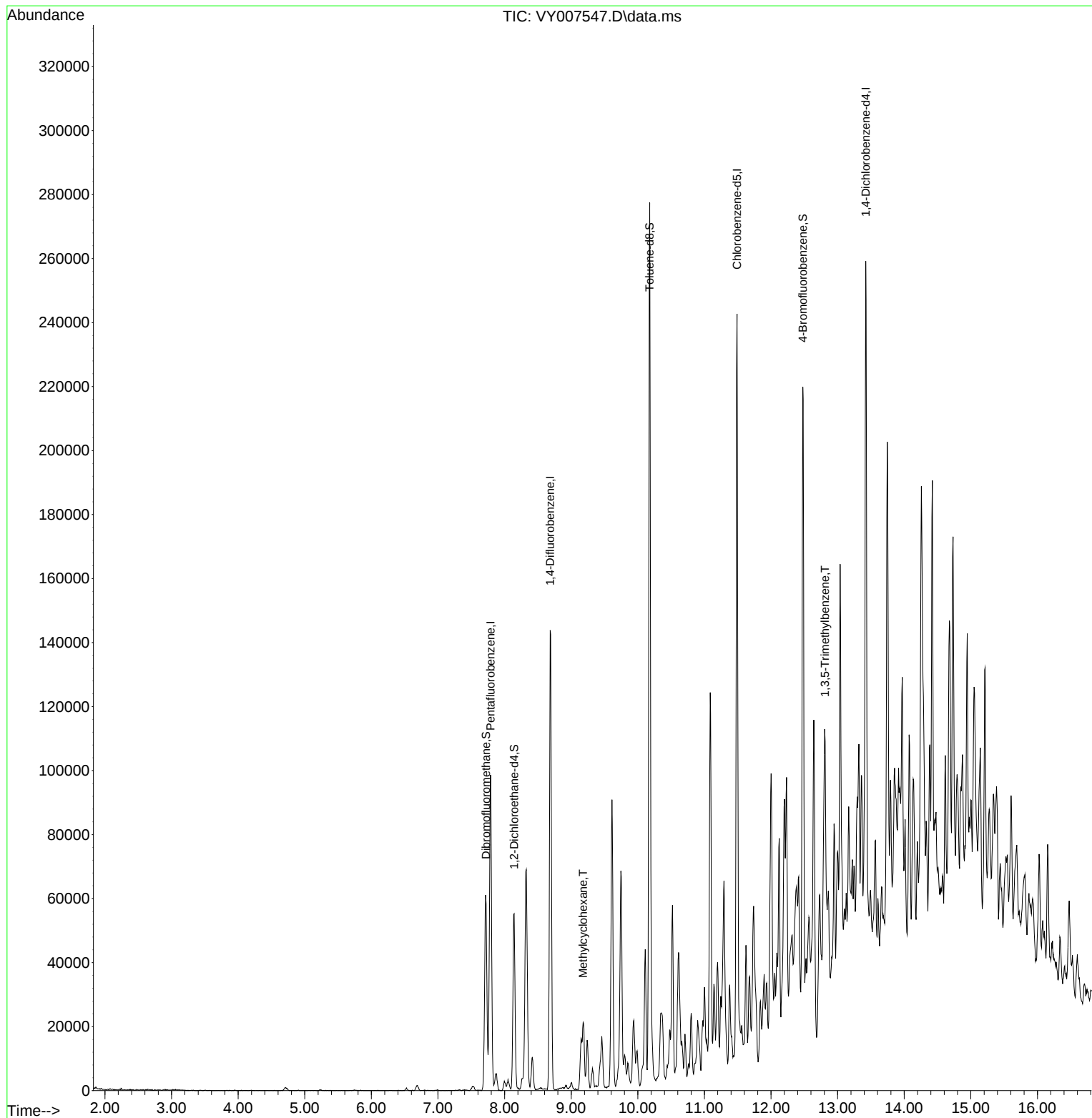
Internal Standards						
1) Pentafluorobenzene	7.789	168	73575	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	125059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	122187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	53923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	44041	54.217	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.440%	
35) Dibromofluoromethane	7.722	113	41937	53.175	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.360%	
50) Toluene-d8	10.178	98	152574	50.936	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.880%	
62) 4-Bromofluorobenzene	12.477	95	56193	55.326	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.660%	
Target Compounds						
						Qvalue
39) Methylcyclohexane	9.179	83	9348	5.635	ug/l	90
80) 1,3,5-Trimethylbenzene	12.812	105	5655	1.429	ug/l	98

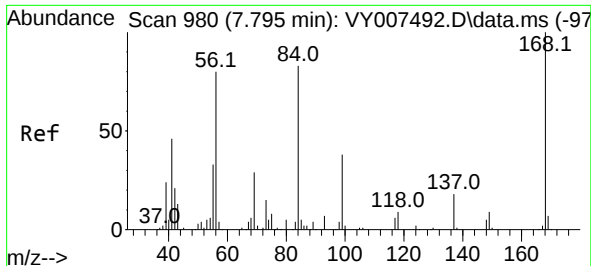
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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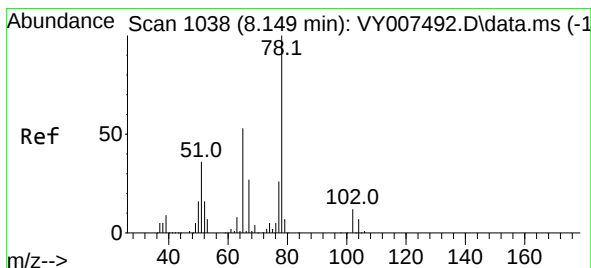
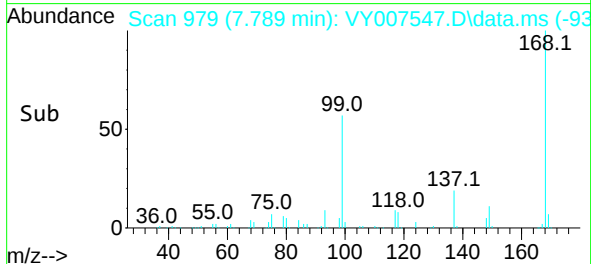
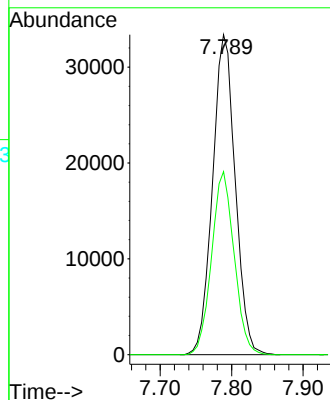
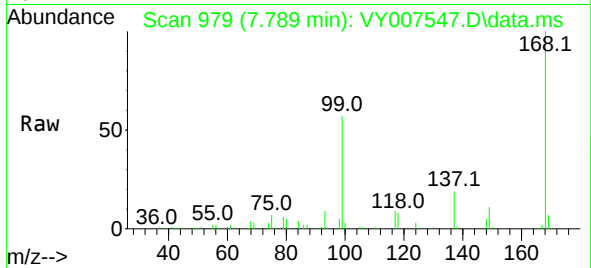




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007547.D
Acq: 18 Feb 2022 16:04

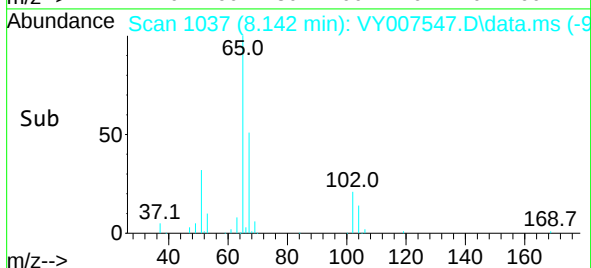
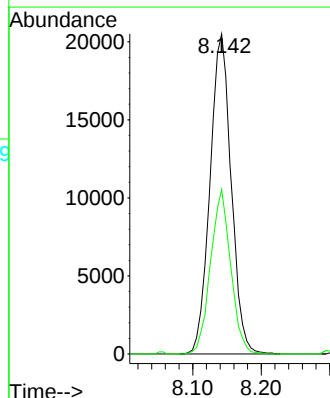
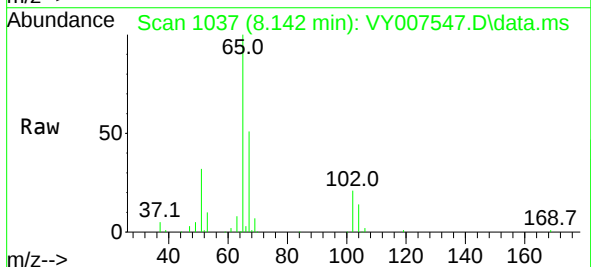
Instrument :
MSVOA_Y
ClientSampleId :
D-8

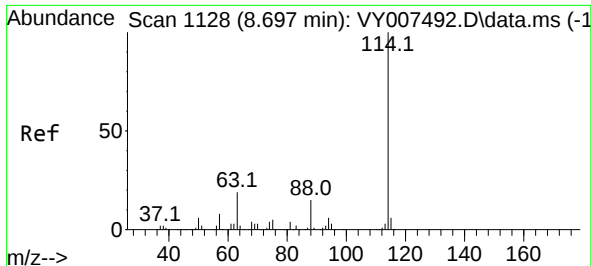
Tgt Ion:168 Resp: 73575
Ion Ratio Lower Upper
168 100
99 57.2 46.9 70.3



#33
1,2-Dichloroethane-d4
Concen: 54.217 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY007547.D
Acq: 18 Feb 2022 16:04

Tgt Ion: 65 Resp: 44041
Ion Ratio Lower Upper
65 100
67 49.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY007547.D

Acq: 18 Feb 2022 16:04

Instrument :

MSVOA_Y

ClientSampleId :

D-8

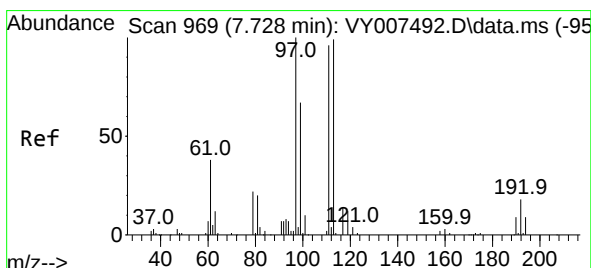
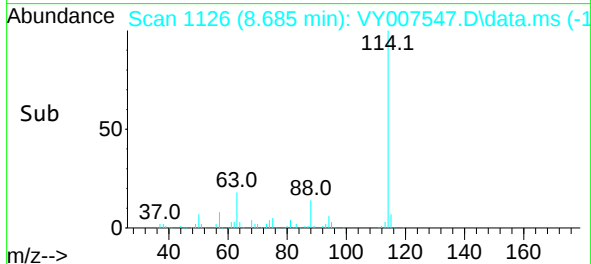
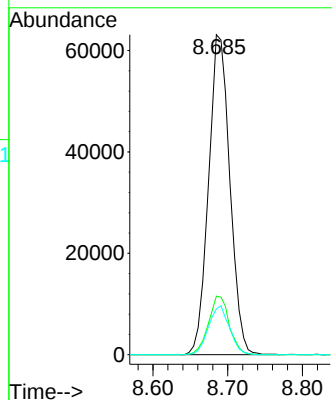
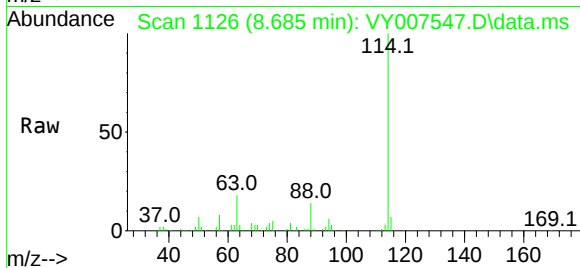
Tgt Ion:114 Resp: 125059

Ion Ratio Lower Upper

114 100

63 18.3 0.0 43.2

88 14.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.175 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY007547.D

Acq: 18 Feb 2022 16:04

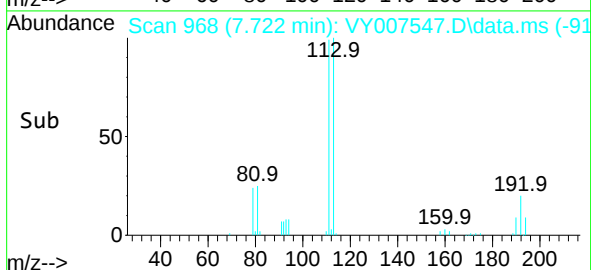
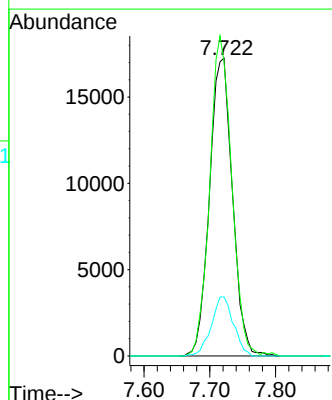
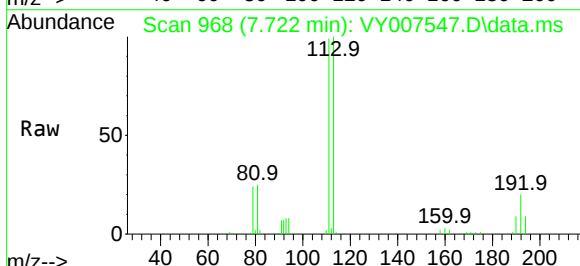
Tgt Ion:113 Resp: 41937

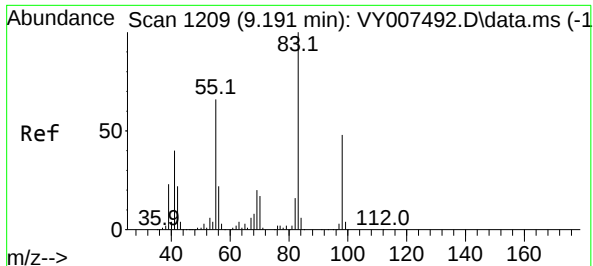
Ion Ratio Lower Upper

113 100

111 102.8 82.6 124.0

192 19.1 17.6 26.4





#39

Methylcyclohexane

Concen: 5.635 ug/l

RT: 9.179 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY007547.D

Acq: 18 Feb 2022 16:04

Instrument :

MSVOA_Y

ClientSampleId :

D-8

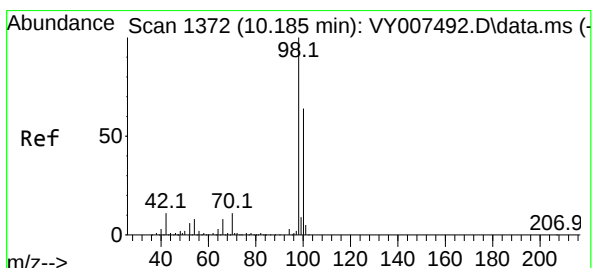
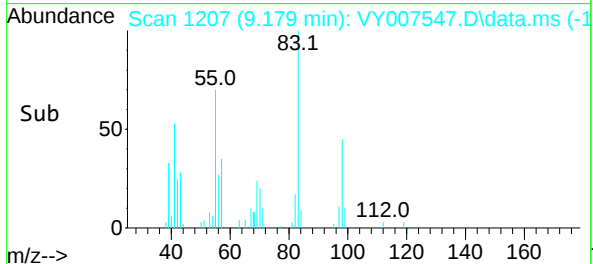
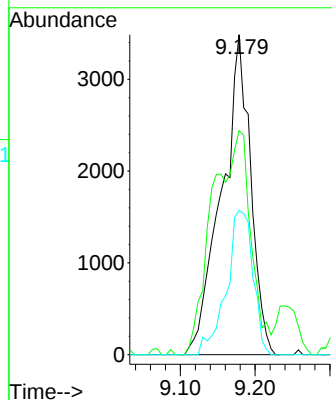
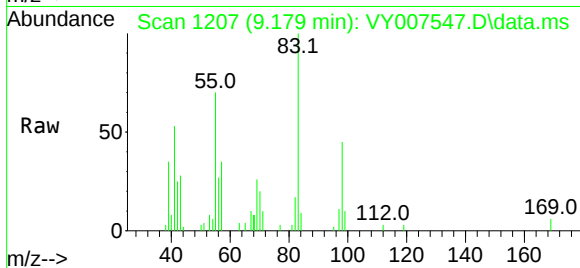
Tgt Ion: 83 Resp: 9348

Ion Ratio Lower Upper

83 100

55 70.0 66.5 99.7

98 45.1 37.9 56.9



#50

Toluene-d8

Concen: 50.936 ug/l

RT: 10.178 min Scan# 1371

Delta R.T. -0.007 min

Lab File: VY007547.D

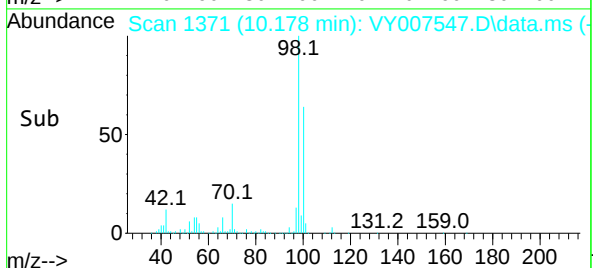
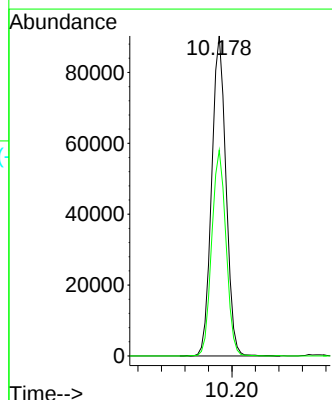
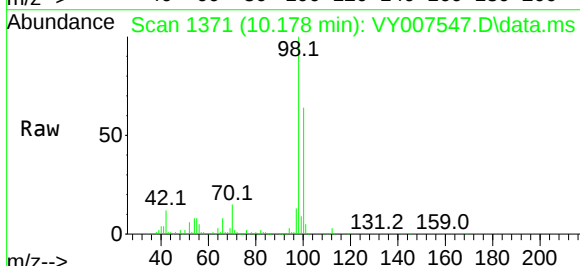
Acq: 18 Feb 2022 16:04

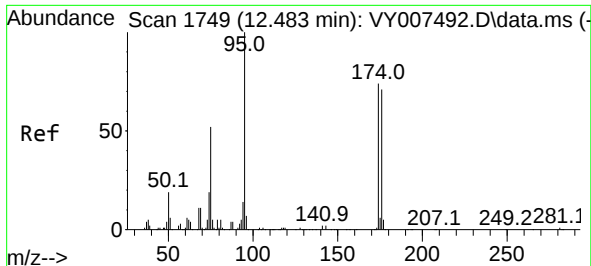
Tgt Ion: 98 Resp: 152574

Ion Ratio Lower Upper

98 100

100 64.1 50.2 75.2

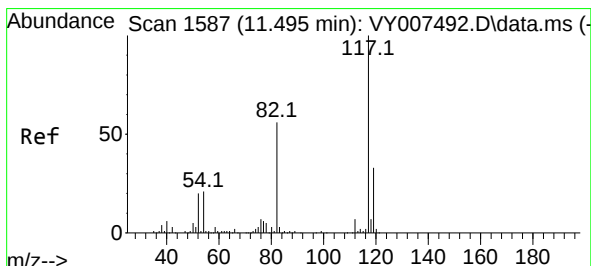
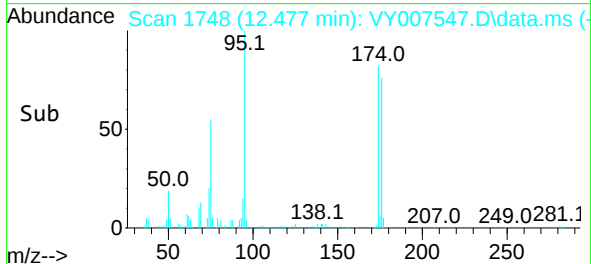
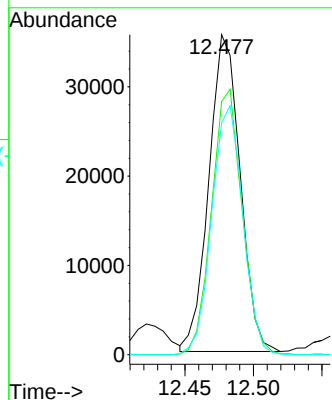
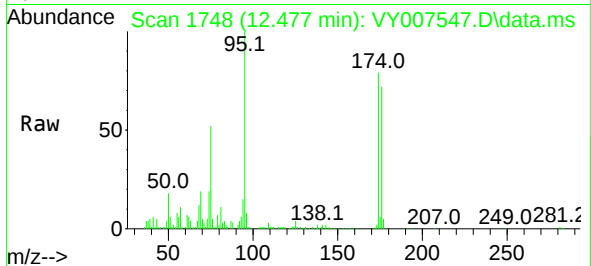




#62
4-Bromofluorobenzene
Concen: 55.326 ug/l
RT: 12.477 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY007547.D
Acq: 18 Feb 2022 16:04

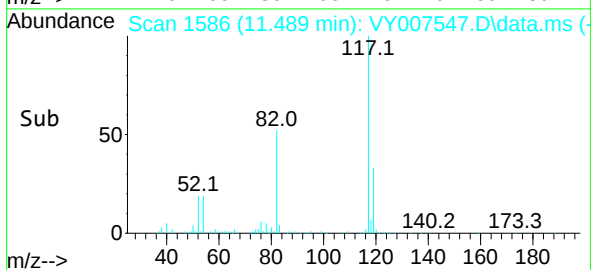
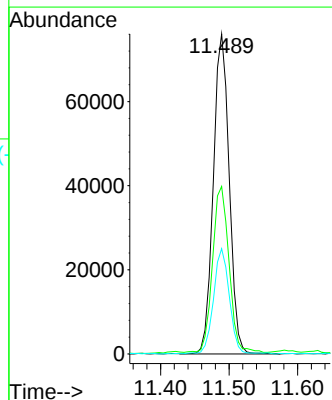
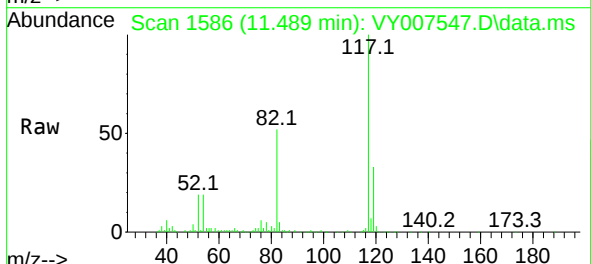
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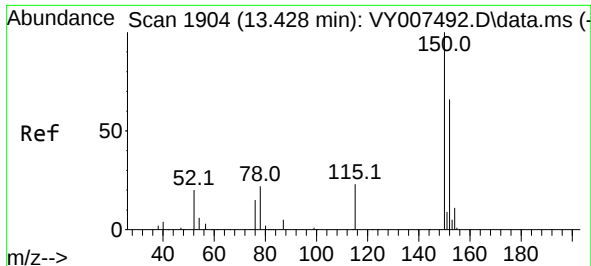
Tgt Ion: 95 Resp: 56193
Ion Ratio Lower Upper
95 100
174 82.2 0.0 177.0
176 78.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007547.D
Acq: 18 Feb 2022 16:04

Tgt Ion: 117 Resp: 122187
Ion Ratio Lower Upper
117 100
82 51.7 43.0 64.4
119 32.8 25.4 38.0

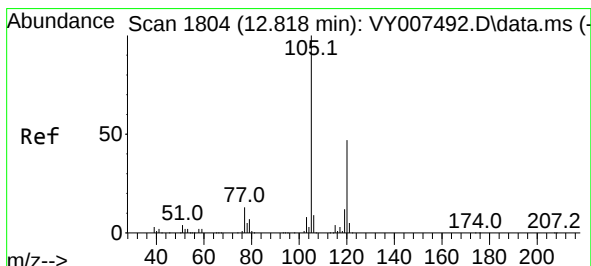
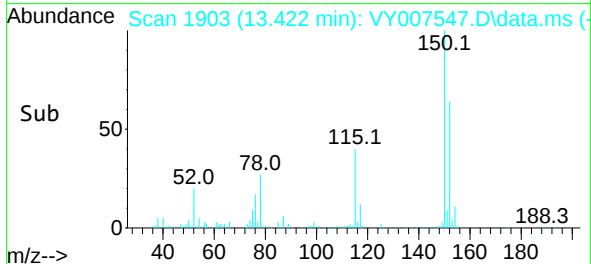
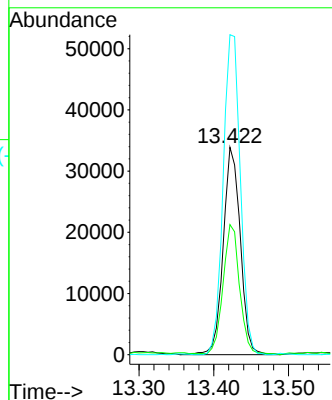
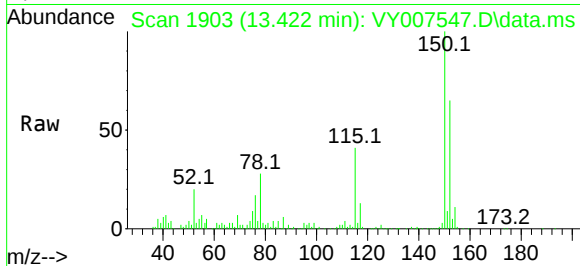




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY007547.D
 Acq: 18 Feb 2022 16:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 D-8

Tgt Ion:152 Resp: 53923
 Ion Ratio Lower Upper
 152 100
 115 61.4 28.2 84.7
 150 154.4 0.0 347.6



#80
 1,3,5-Trimethylbenzene
 Concen: 1.429 ug/l
 RT: 12.812 min Scan# 1803
 Delta R.T. 0.000 min
 Lab File: VY007547.D
 Acq: 18 Feb 2022 16:04

Tgt Ion:105 Resp: 5655
 Ion Ratio Lower Upper
 105 100
 120 50.4 24.4 73.4

