

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020323\
 Data File : VY012471.D
 Acq On : 03 Feb 2023 12:53
 Operator : KP/MD
 Sample : 01409-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 38414

Quant Time: Feb 04 00:07:40 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)

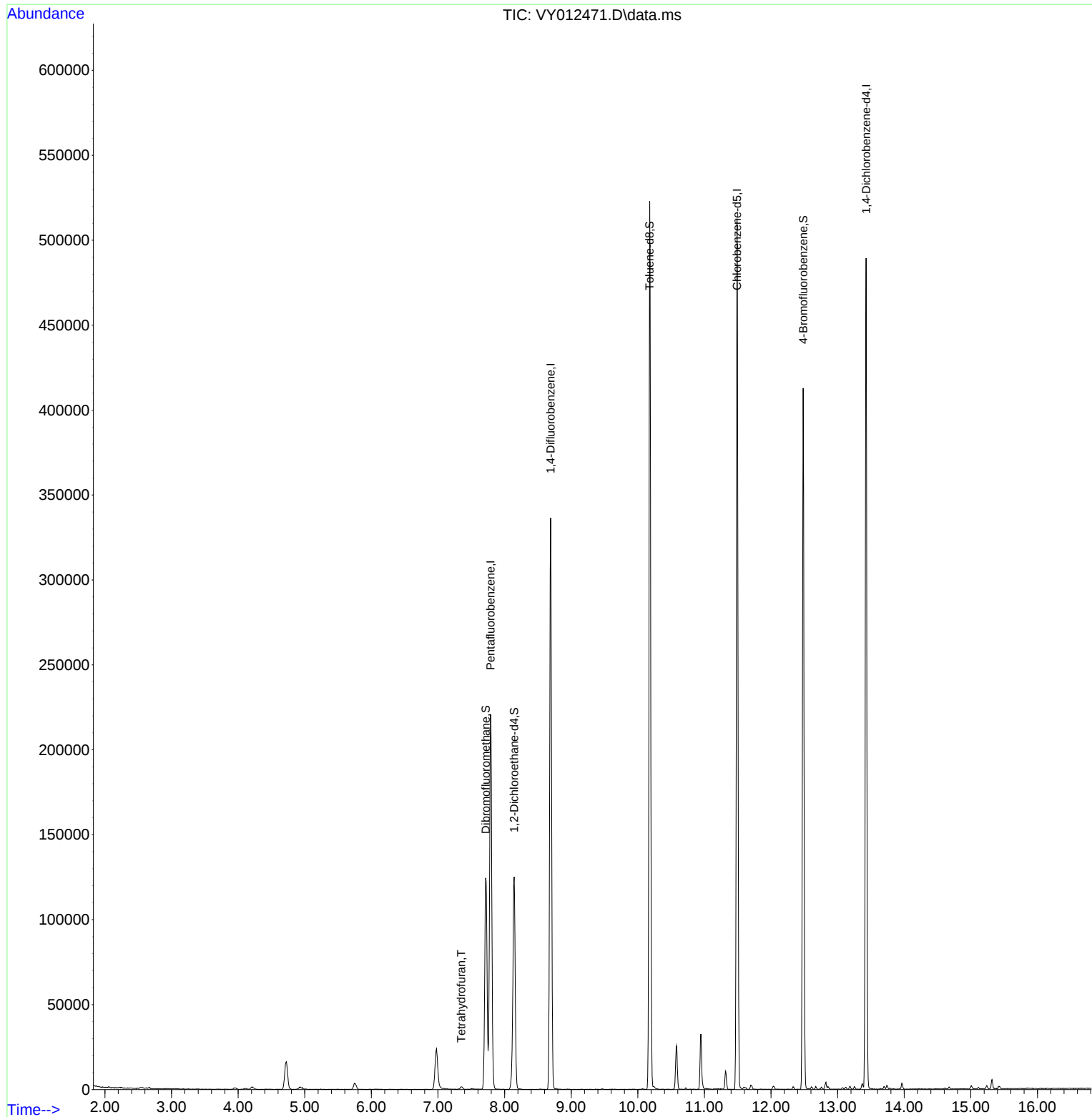
Internal Standards						
1) Pentafluorobenzene	7.789	168	178641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	301849	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	286654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	130304	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	102165	70.618	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 141.240%	
35) Dibromofluoromethane	7.716	113	88966	55.663	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.320%	
50) Toluene-d8	10.179	98	350518	64.557	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 129.120%	
62) 4-Bromofluorobenzene	12.483	95	116559	51.733	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.460%	
Target Compounds						
					Qvalue	
29) Tetrahydrofuran	7.350	42	1120	3.713	ug/l	89

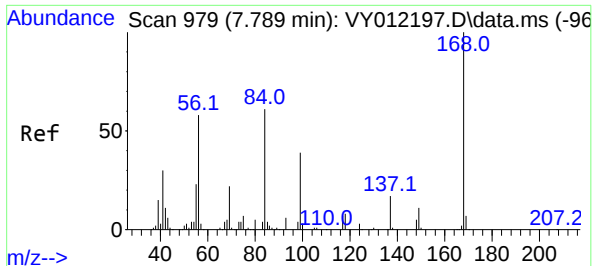
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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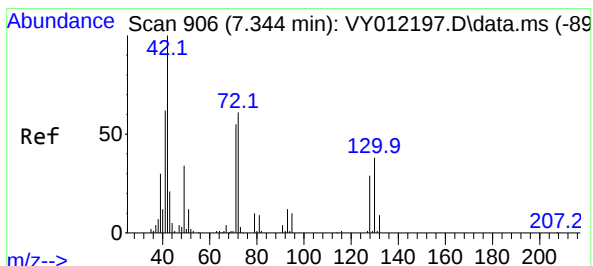
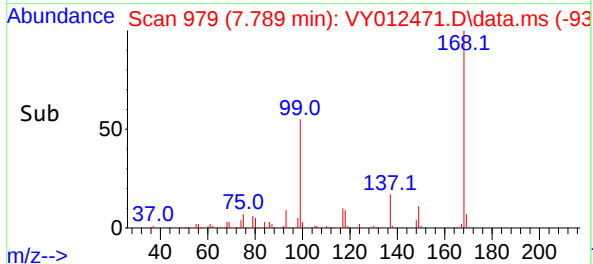
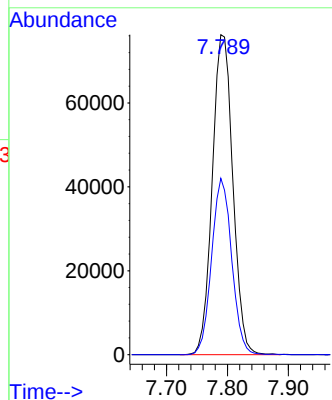
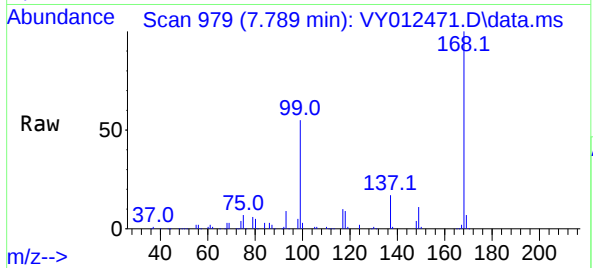




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012471.D
Acq: 03 Feb 2023 12:53

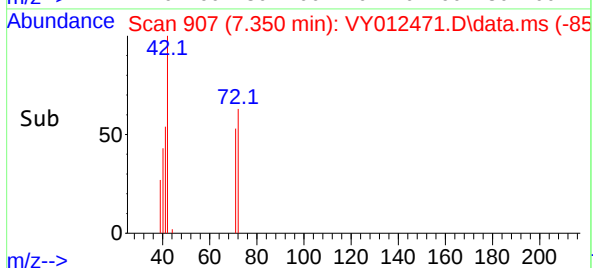
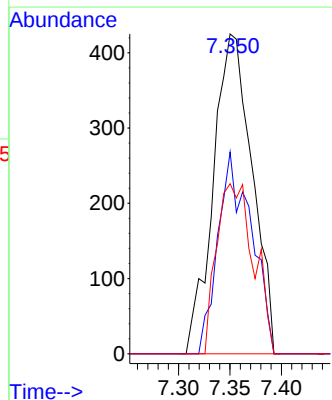
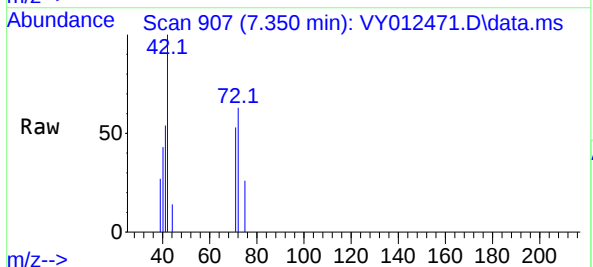
Instrument :
MSVOA_Y
ClientSampleId :
38414

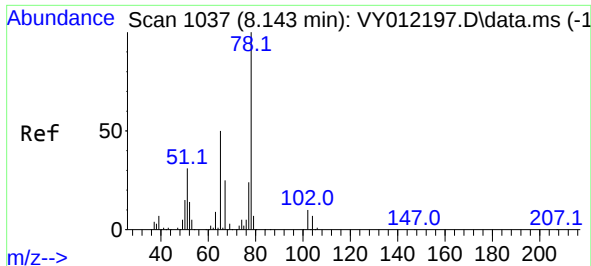
Tgt Ion:168 Resp: 178641
Ion Ratio Lower Upper
168 100
99 55.1 44.0 66.0



#29
Tetrahydrofuran
Concen: 3.713 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY012471.D
Acq: 03 Feb 2023 12:53

Tgt Ion: 42 Resp: 1120
Ion Ratio Lower Upper
42 100
72 54.1 37.0 55.6
71 50.7 34.9 52.3





#33

1,2-Dichloroethane-d4

Concen: 70.618 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY012471.D

Acq: 03 Feb 2023 12:53

Instrument :

MSVOA_Y

ClientSampleId :

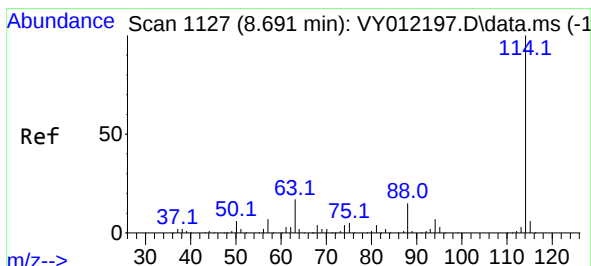
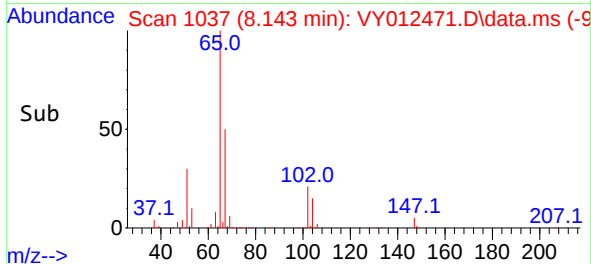
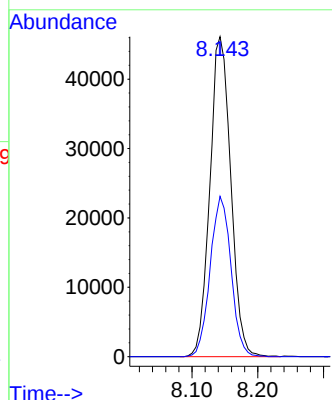
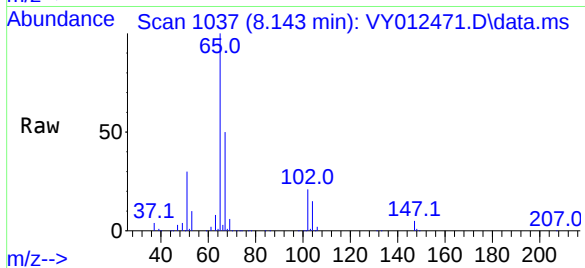
38414

Tgt Ion: 65 Resp: 102165

Ion Ratio Lower Upper

65 100

67 49.8 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: VY012471.D

Acq: 03 Feb 2023 12:53

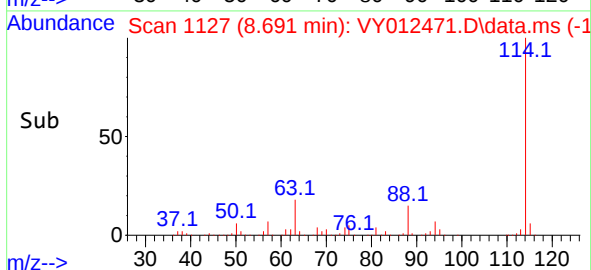
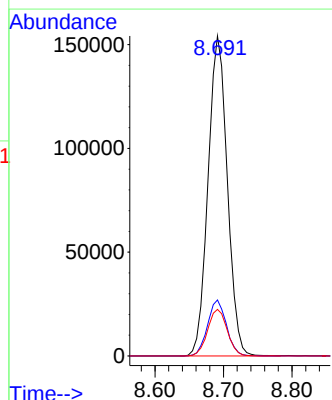
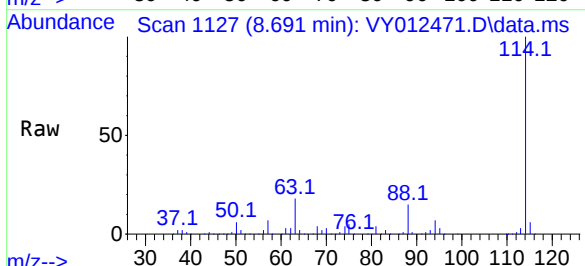
Tgt Ion: 114 Resp: 301849

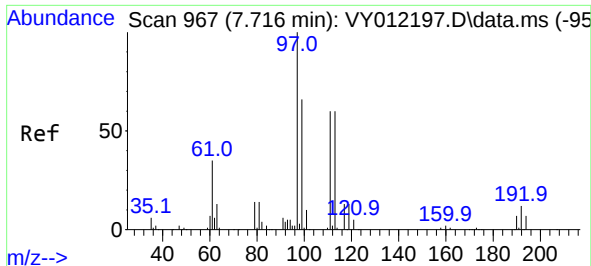
Ion Ratio Lower Upper

114 100

63 17.5 0.0 39.6

88 14.5 0.0 32.2

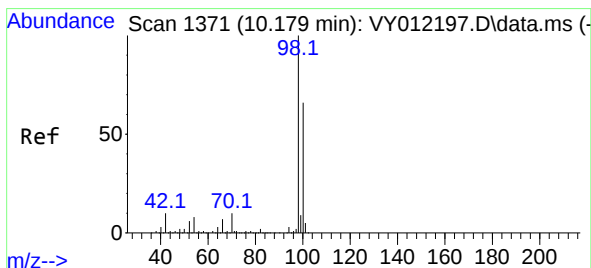
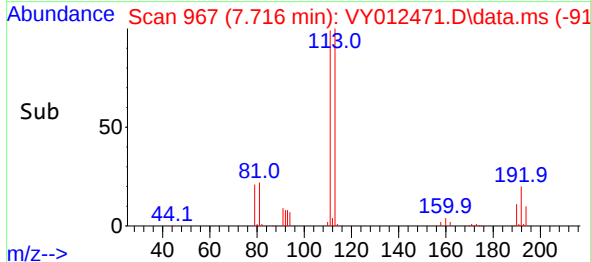
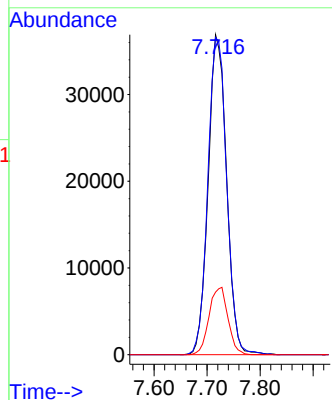
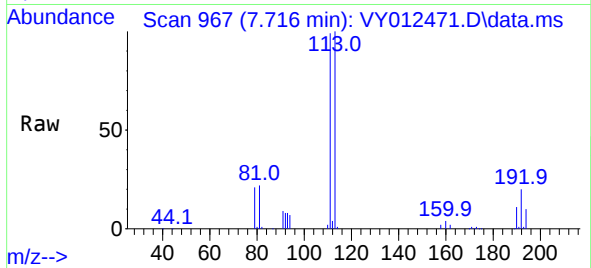




#35
Dibromofluoromethane
Concen: 55.663 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY012471.D
Acq: 03 Feb 2023 12:53

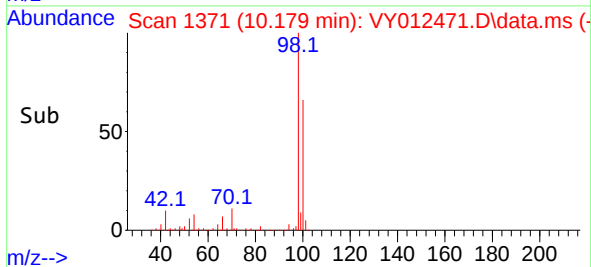
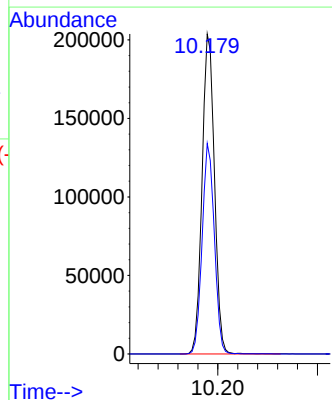
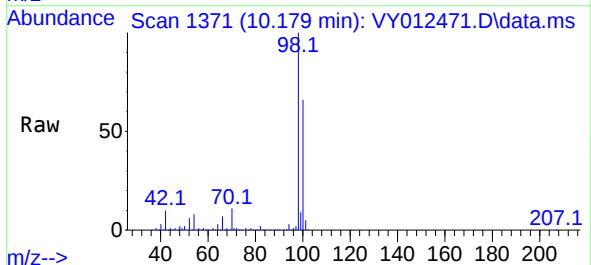
Instrument :
MSVOA_Y
ClientSampleId :
38414

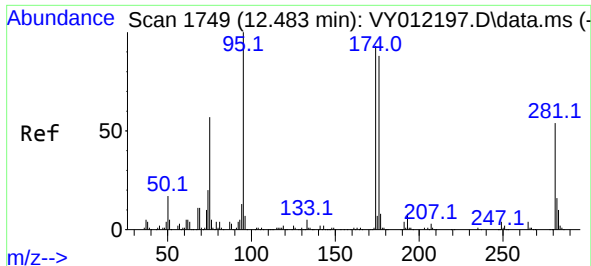
Tgt Ion:113 Resp: 88966
Ion Ratio Lower Upper
113 100
111 101.6 83.0 124.4
192 21.6 16.0 24.0



#50
Toluene-d8
Concen: 64.557 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012471.D
Acq: 03 Feb 2023 12:53

Tgt Ion: 98 Resp: 350518
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9

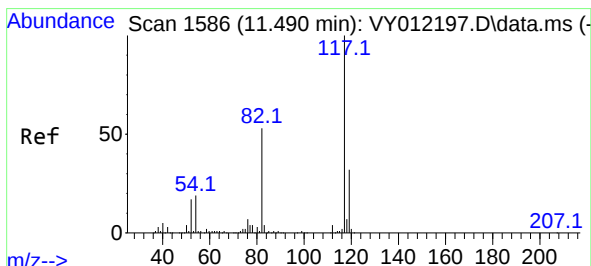
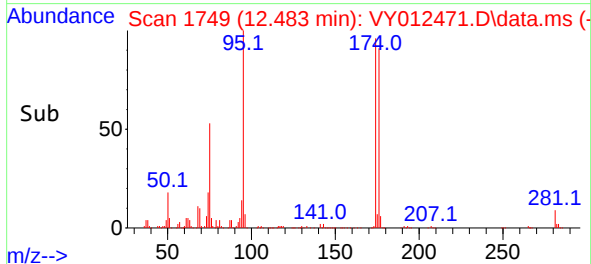
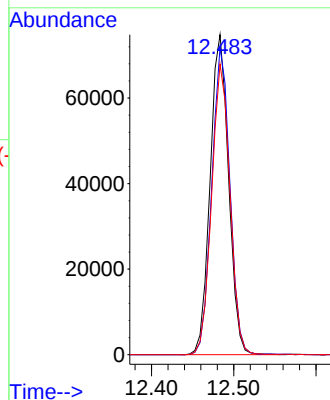
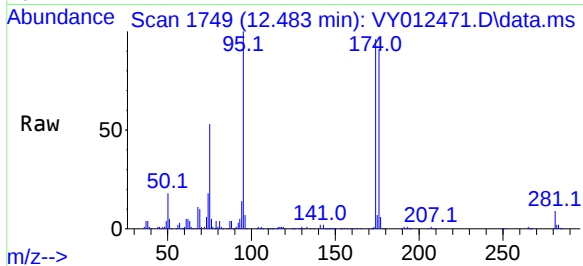




#62
4-Bromofluorobenzene
Concen: 51.733 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012471.D
Acq: 03 Feb 2023 12:53

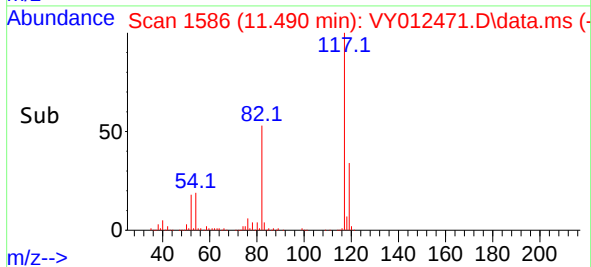
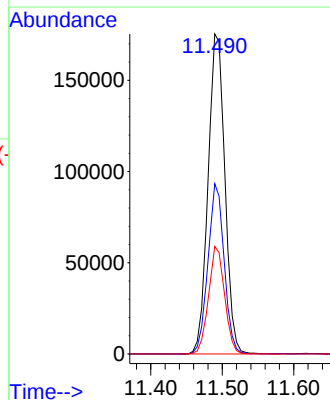
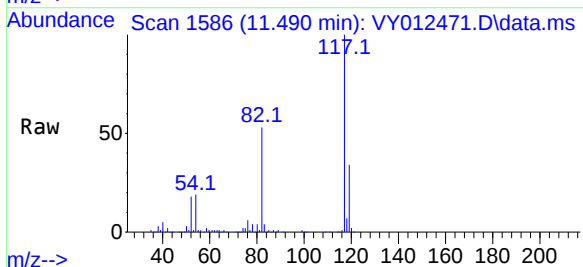
Instrument :
MSVOA_Y
ClientSampleId :
38414

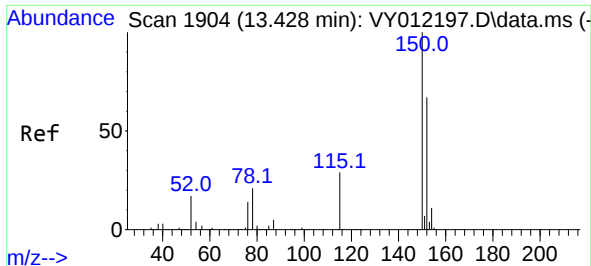
Tgt Ion: 95 Resp: 116559
Ion Ratio Lower Upper
95 100
174 94.6 0.0 172.0
176 90.3 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012471.D
Acq: 03 Feb 2023 12:53

Tgt Ion: 117 Resp: 286654
Ion Ratio Lower Upper
117 100
82 53.2 44.8 67.2
119 33.6 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: VY012471.D

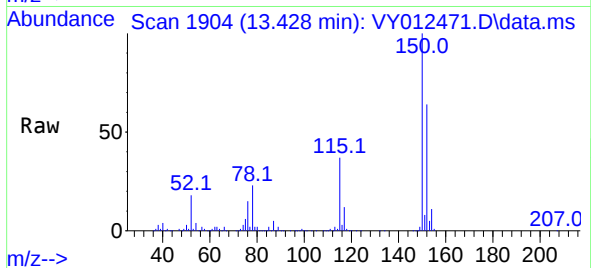
Acq: 03 Feb 2023 12:53

Instrument :

MSVOA_Y

ClientSampleId :

38414



Tgt Ion:152 Resp: 130304

Ion Ratio Lower Upper

152 100

115 57.3 29.1 87.3

150 157.9 0.0 342.6

