

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112223\
 Data File : VY016468.D
 Acq On : 22 Nov 2023 17:31
 Operator : SY/MD
 Sample : 05466-04RE
 Misc : 4.89g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB200018RE

Quant Time: Nov 23 04:08:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

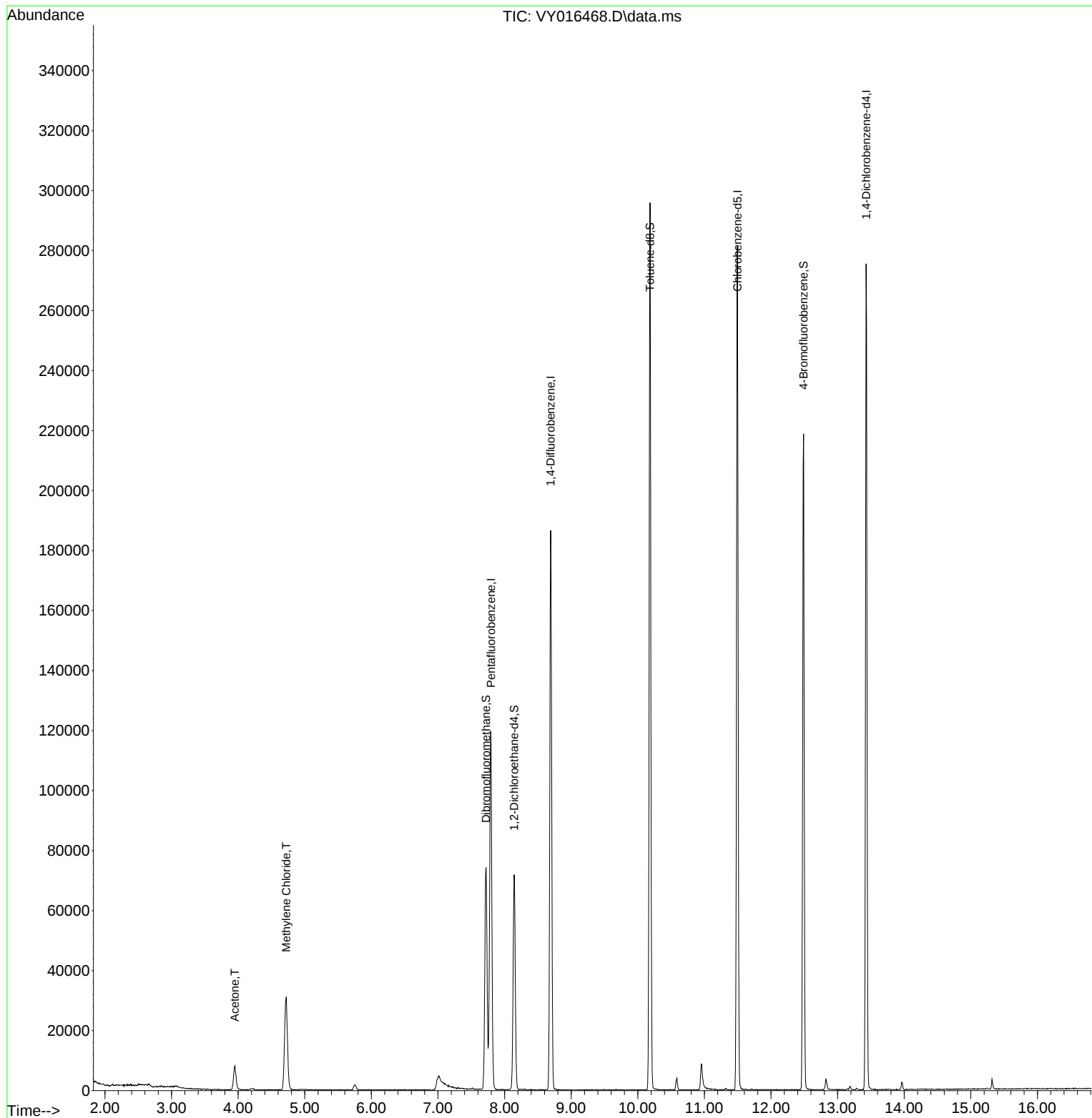
Internal Standards						
1) Pentafluorobenzene	7.795	168	97908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	169293	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.495	117	166804	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	75911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	57025	63.726	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.460%	
35) Dibromofluoromethane	7.722	113	53825	55.969	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.940%	
50) Toluene-d8	10.185	98	200191	51.333	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.660%	
62) 4-Bromofluorobenzene	12.489	95	68452	54.043	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.080%	
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	13206	89.219	ug/l #	76
20) Methylene Chloride	4.722	84	25954	22.937	ug/l #	83

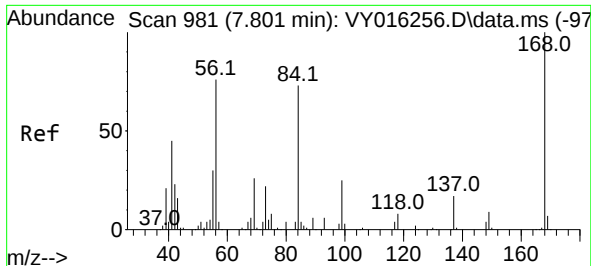
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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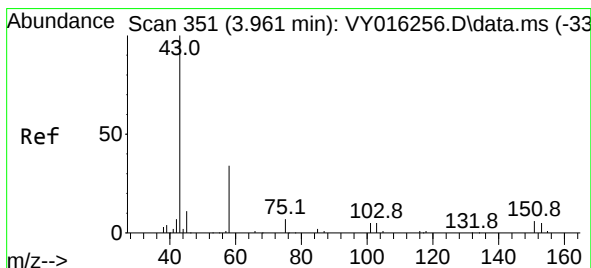
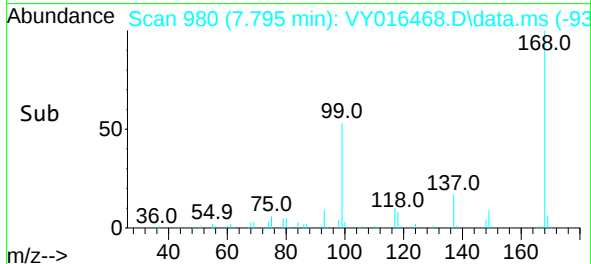
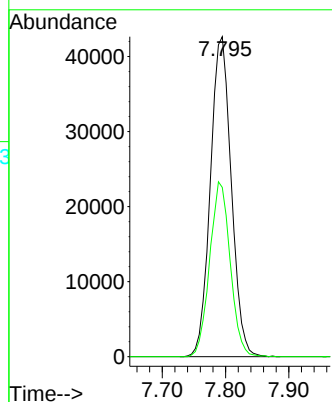
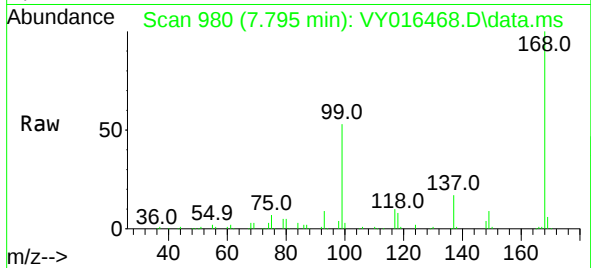




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016468.D
Acq: 22 Nov 2023 17:31

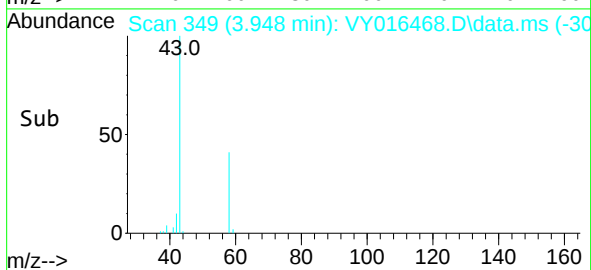
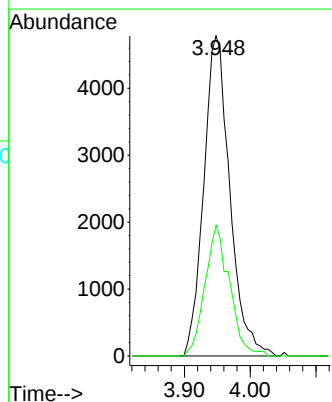
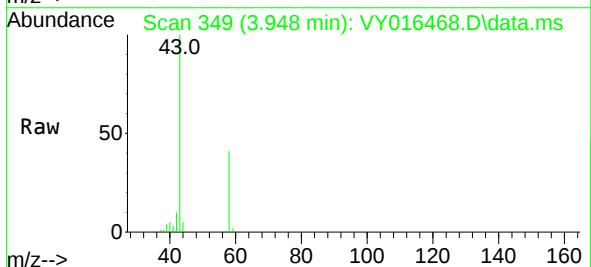
Instrument :
MSVOA_Y
ClientSampleId :
RB200018RE

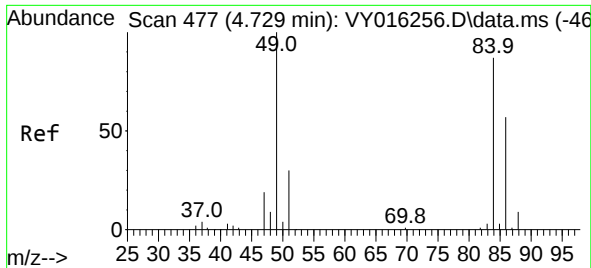
Tgt Ion:168 Resp: 97908
Ion Ratio Lower Upper
168 100
99 52.9 43.4 65.0



#16
Acetone
Concen: 89.219 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.013 min
Lab File: VY016468.D
Acq: 22 Nov 2023 17:31

Tgt Ion: 43 Resp: 13206
Ion Ratio Lower Upper
43 100
58 40.8 22.7 34.1#

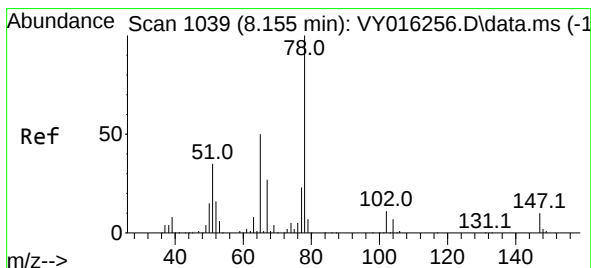
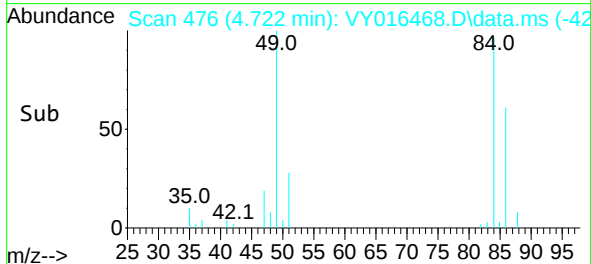
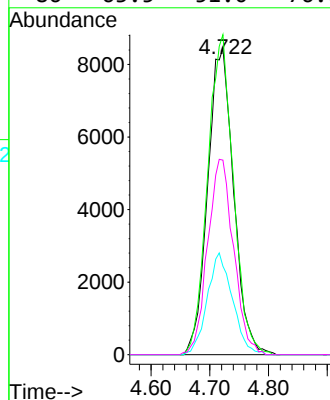
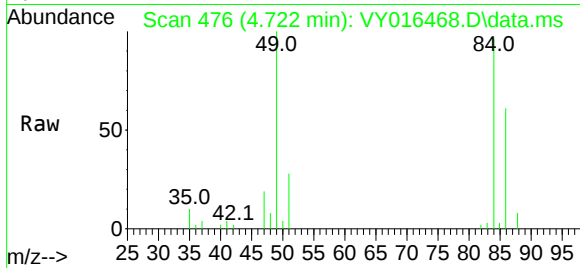




#20
Methylene Chloride
Concen: 22.937 ug/l
RT: 4.722 min Scan# 41
Delta R.T. -0.007 min
Lab File: VY016468.D
Acq: 22 Nov 2023 17:31

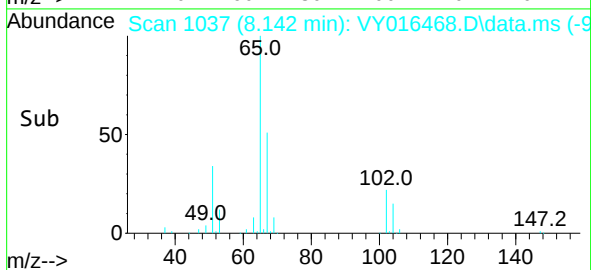
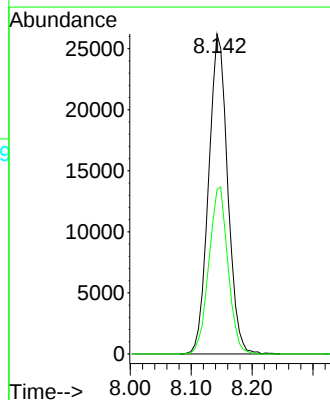
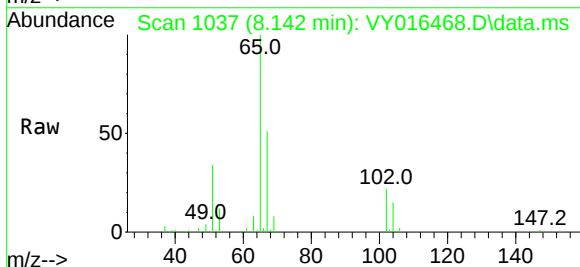
Instrument :
MSVOA_Y
ClientSampleId :
RB200018RE

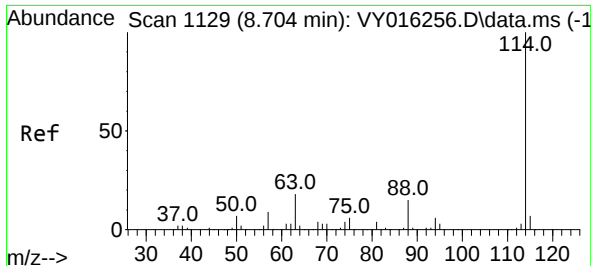
Tgt Ion: 84	Resp: 25954
Ion Ratio	Lower Upper
84 100	
49 104.4	106.9 160.3#
51 28.9	33.2 49.8#
86 63.5	51.0 76.6



#33
1,2-Dichloroethane-d4
Concen: 63.726 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.013 min
Lab File: VY016468.D
Acq: 22 Nov 2023 17:31

Tgt Ion: 65	Resp: 57025
Ion Ratio	Lower Upper
65 100	
67 52.1	0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1129

Delta R.T. -0.013 min

Lab File: VY016468.D

Acq: 22 Nov 2023 17:31

Instrument :

MSVOA_Y

ClientSampleId :

RB200018RE

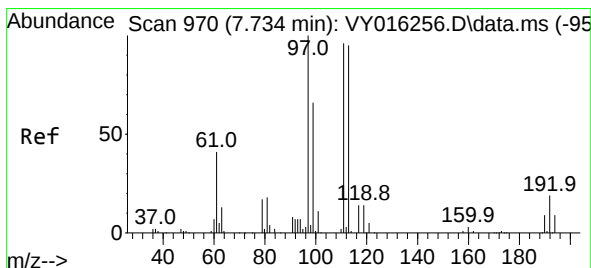
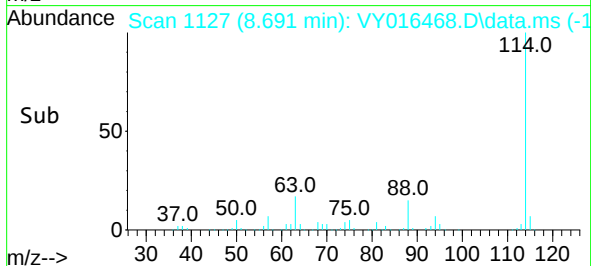
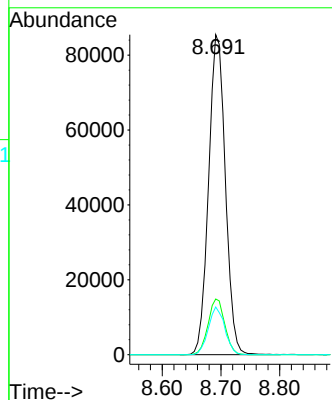
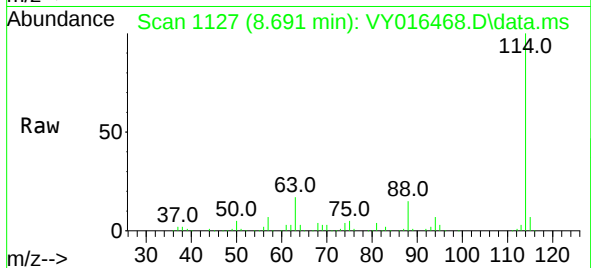
Tgt Ion:114 Resp: 169293

Ion Ratio Lower Upper

114 100

63 17.4 0.0 42.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.969 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.013 min

Lab File: VY016468.D

Acq: 22 Nov 2023 17:31

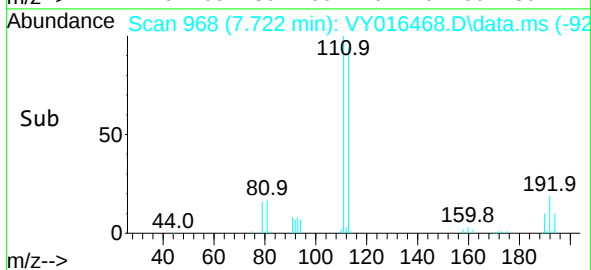
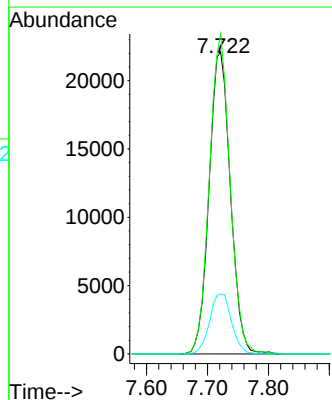
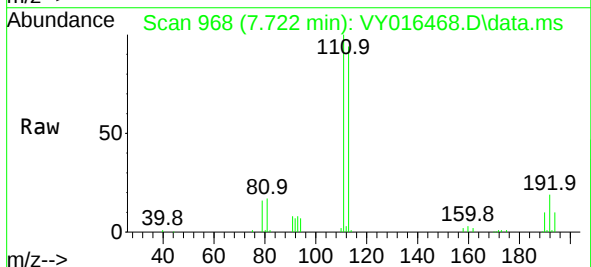
Tgt Ion:113 Resp: 53825

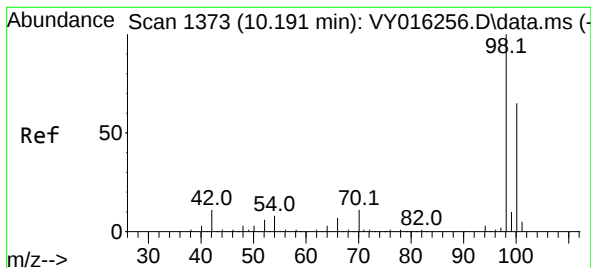
Ion Ratio Lower Upper

113 100

111 102.8 81.3 121.9

192 20.4 16.9 25.3





#50

Toluene-d8

Concen: 51.333 ug/l

RT: 10.185 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016468.D

Acq: 22 Nov 2023 17:31

Instrument :

MSVOA_Y

ClientSampleId :

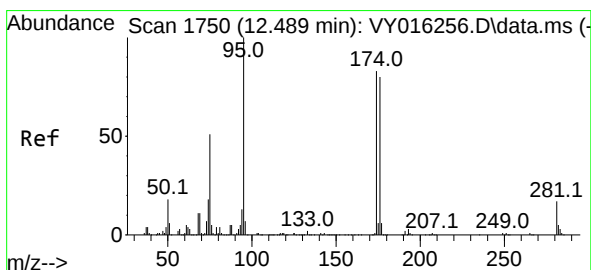
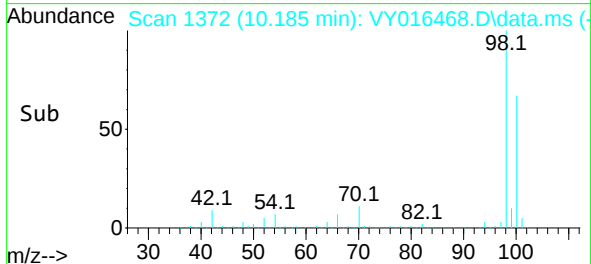
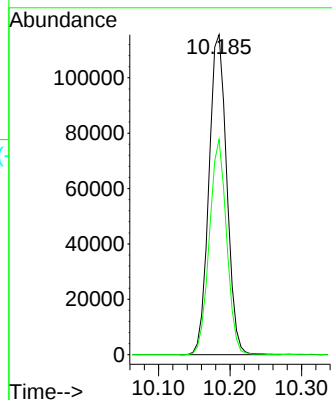
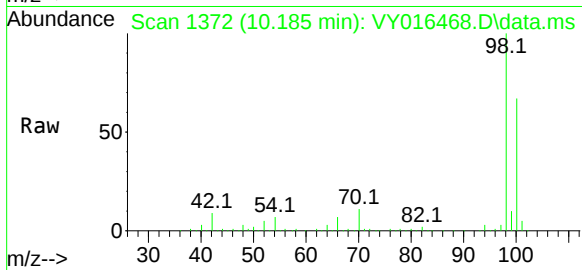
RB200018RE

Tgt Ion: 98 Resp: 200191

Ion Ratio Lower Upper

98 100

100 65.0 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 54.043 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VY016468.D

Acq: 22 Nov 2023 17:31

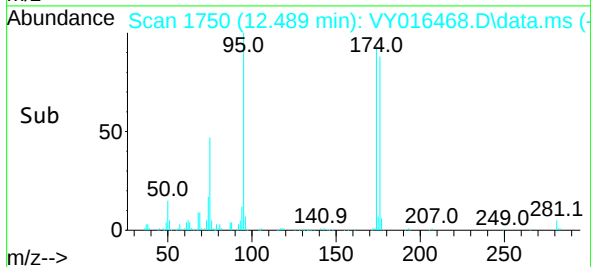
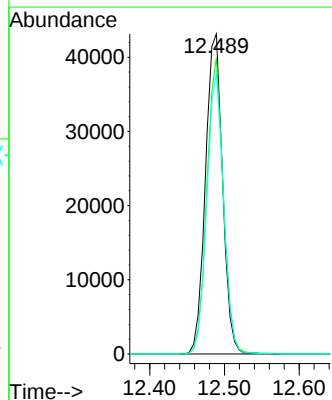
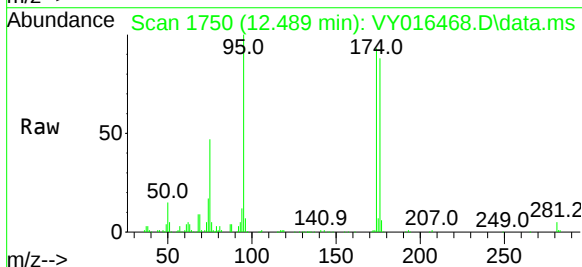
Tgt Ion: 95 Resp: 68452

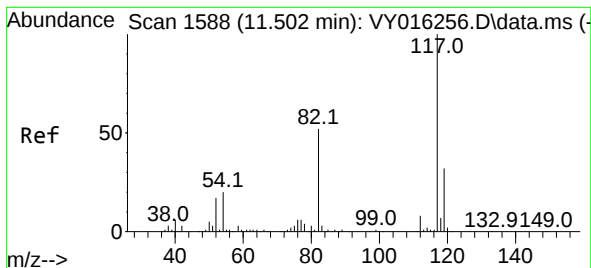
Ion Ratio Lower Upper

95 100

174 90.0 0.0 178.2

176 85.9 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016468.D

Acq: 22 Nov 2023 17:31

Instrument :

MSVOA_Y

ClientSampleId :

RB200018RE

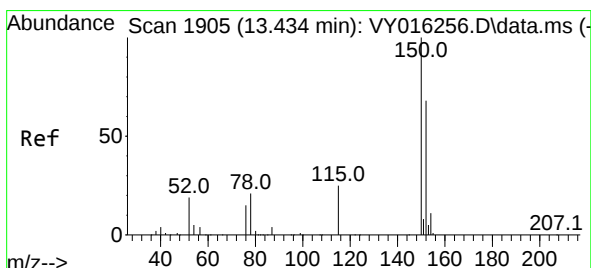
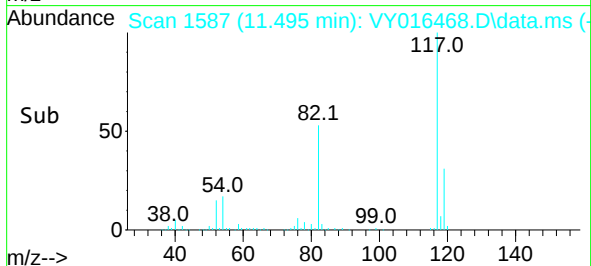
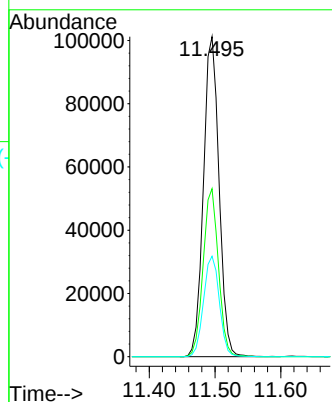
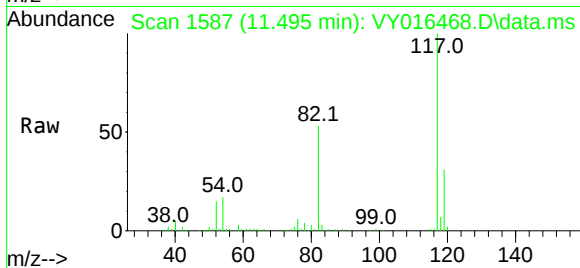
Tgt Ion:117 Resp: 166804

Ion Ratio Lower Upper

117 100

82 52.5 43.4 65.0

119 31.4 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY016468.D

Acq: 22 Nov 2023 17:31

Tgt Ion:152 Resp: 75911

Ion Ratio Lower Upper

152 100

115 56.6 28.8 86.5

150 156.2 0.0 348.8

