

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031423\
 Data File : VY012937.D
 Acq On : 14 Mar 2023 13:03
 Operator : KP/MD
 Sample : 01749-18
 Misc : 6.48g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CF-20

Quant Time: Mar 15 01:41:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	79000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	134514	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	120067	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	50141	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	51790	66.028	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	132.060%
35) Dibromofluoromethane	7.715	113	46532	57.320	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	114.640%
50) Toluene-d8	10.178	98	160303	54.015	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.040%
62) 4-Bromofluorobenzene	12.483	95	44819	44.744	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.480%

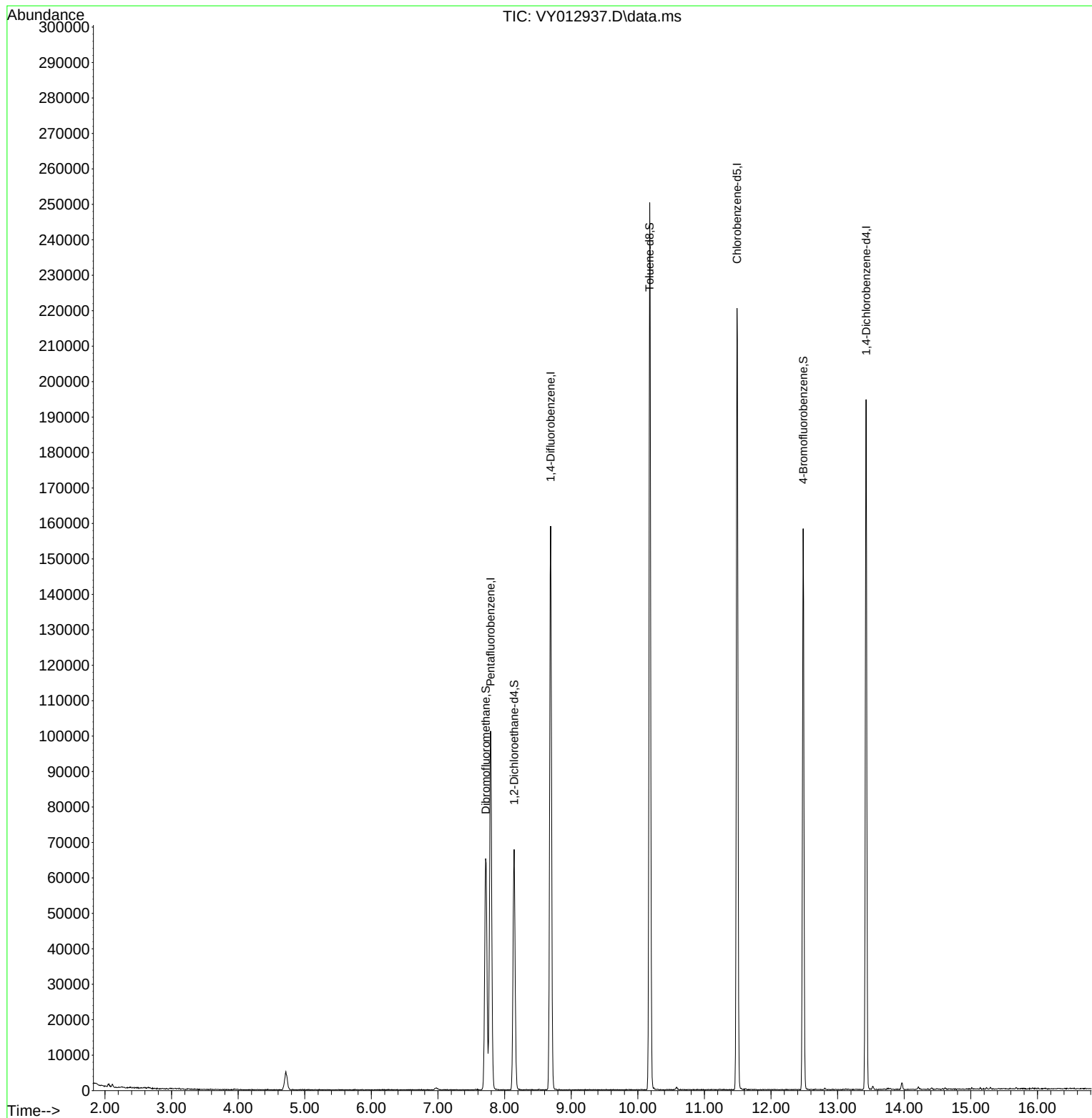
Target Compounds	Qvalue

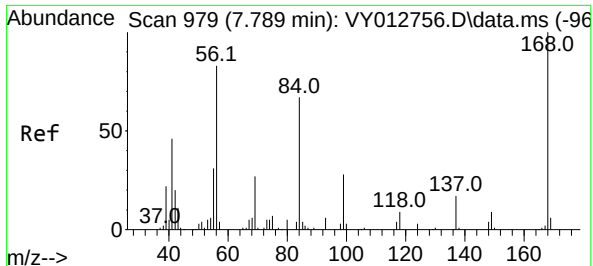
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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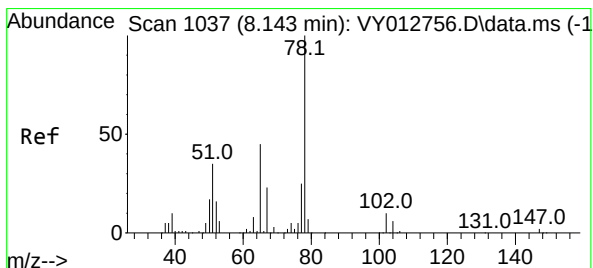
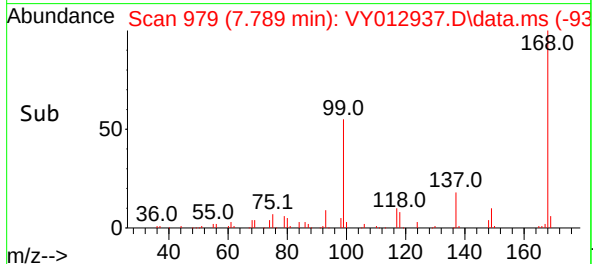
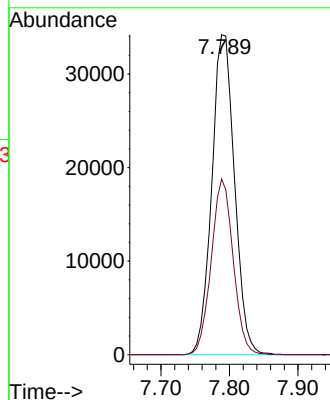
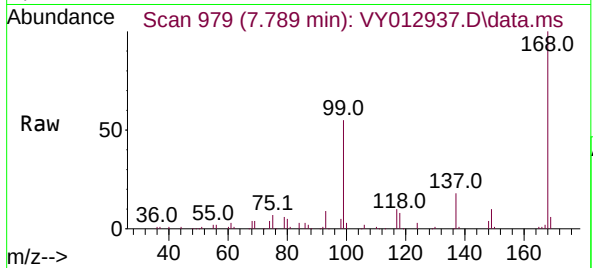




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012937.D
Acq: 14 Mar 2023 13:03

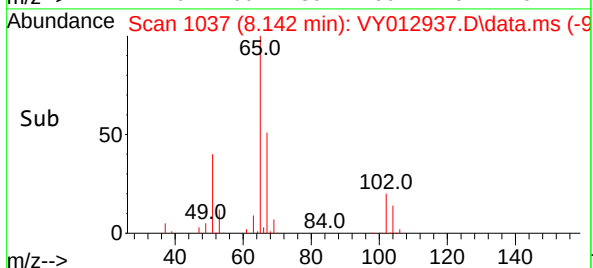
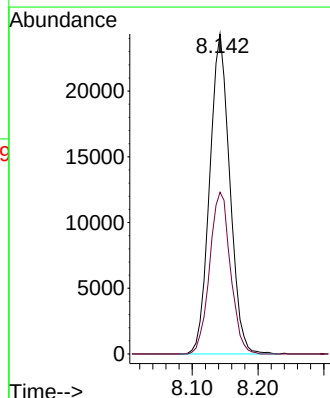
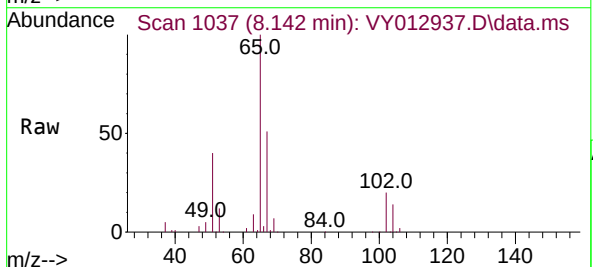
Instrument :
MSVOA_Y
ClientSampleId :
CF-20

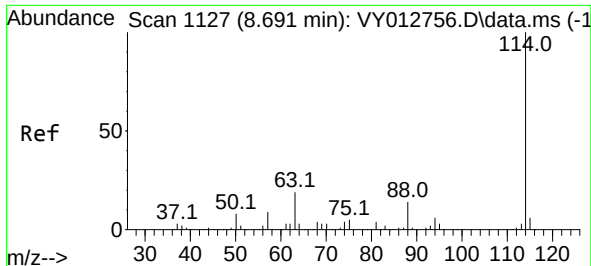
Tgt Ion:168 Resp: 79000
Ion Ratio Lower Upper
168 100
99 54.8 41.7 62.5



#33
1,2-Dichloroethane-d4
Concen: 66.028 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012937.D
Acq: 14 Mar 2023 13:03

Tgt Ion: 65 Resp: 51790
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012937.D

Acq: 14 Mar 2023 13:03

Instrument :

MSVOA_Y

ClientSampleId :

CF-20

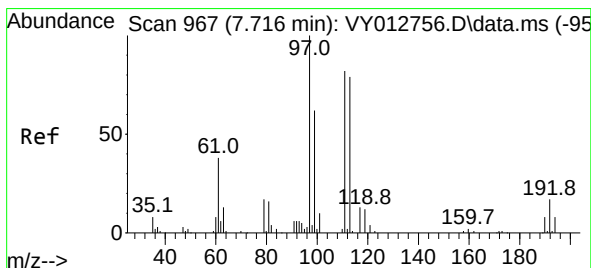
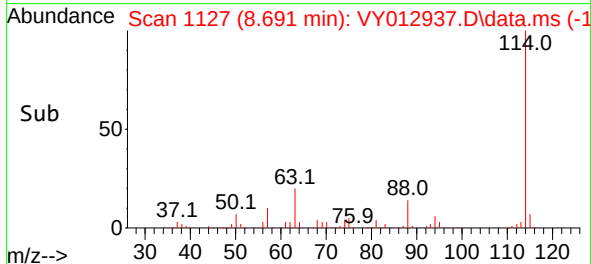
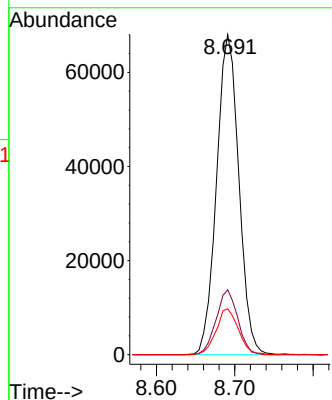
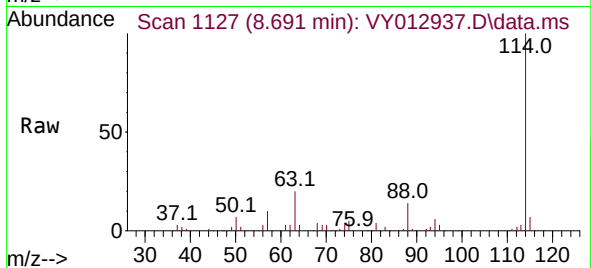
Tgt Ion:114 Resp: 134514

Ion Ratio Lower Upper

114 100

63 20.3 0.0 37.4

88 14.4 0.0 28.6



#35

Dibromofluoromethane

Concen: 57.320 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012937.D

Acq: 14 Mar 2023 13:03

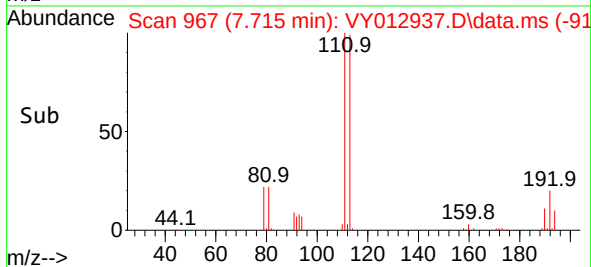
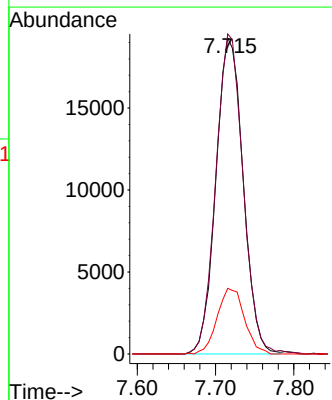
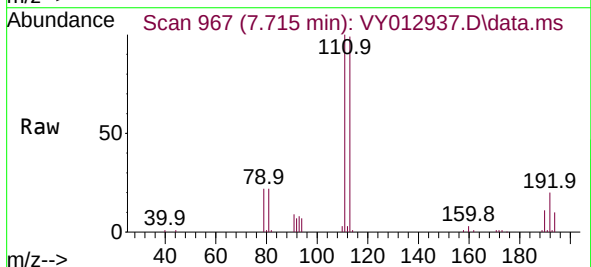
Tgt Ion:113 Resp: 46532

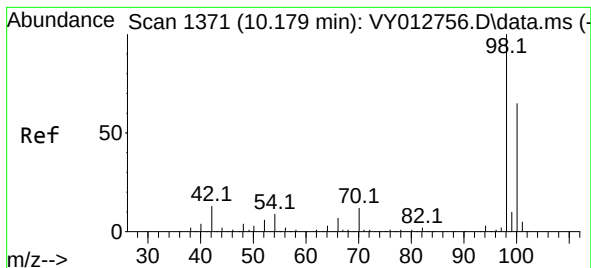
Ion Ratio Lower Upper

113 100

111 101.4 82.2 123.2

192 20.8 16.8 25.2





#50

Toluene-d8

Concen: 54.015 ug/l

RT: 10.178 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012937.D

Acq: 14 Mar 2023 13:03

Instrument :

MSVOA_Y

ClientSampleId :

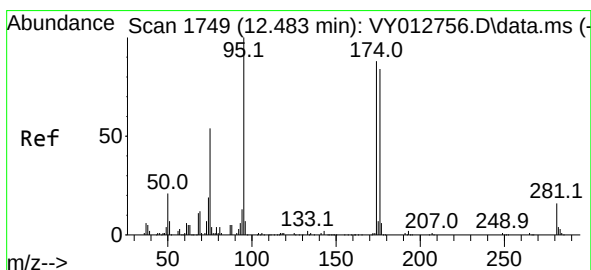
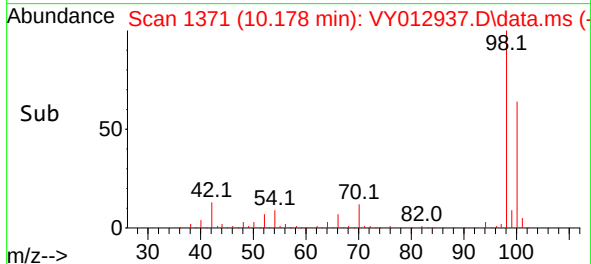
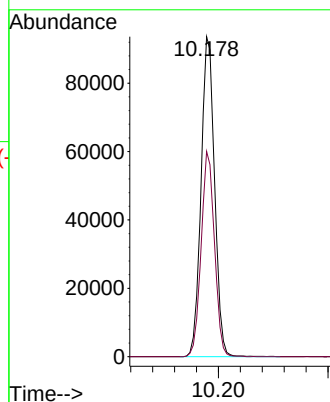
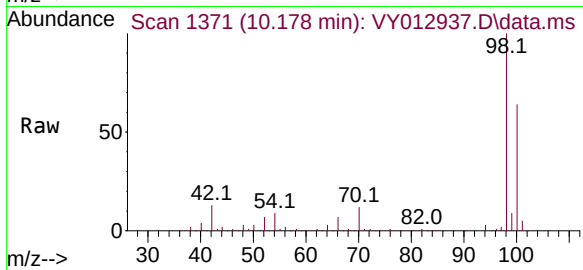
CF-20

Tgt Ion: 98 Resp: 160303

Ion Ratio Lower Upper

98 100

100 63.2 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 44.744 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY012937.D

Acq: 14 Mar 2023 13:03

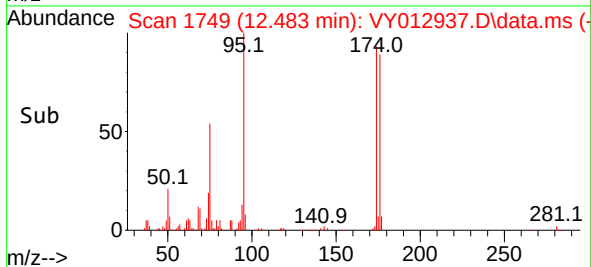
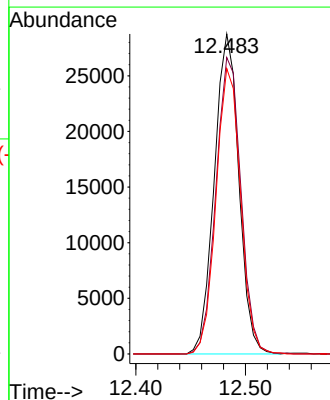
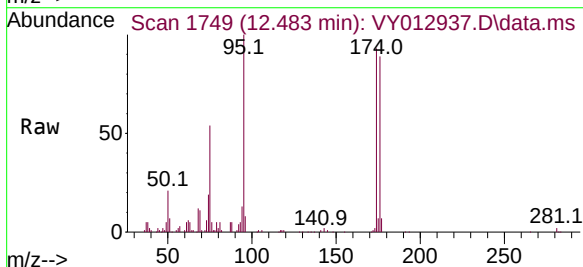
Tgt Ion: 95 Resp: 44819

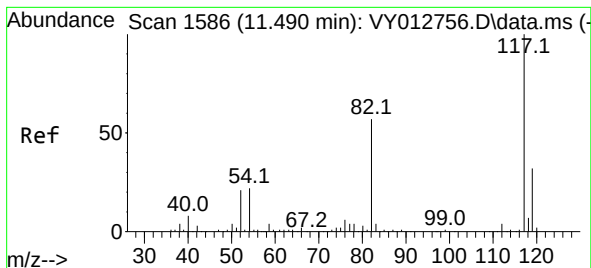
Ion Ratio Lower Upper

95 100

174 94.4 0.0 176.6

176 89.0 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012937.D

Acq: 14 Mar 2023 13:03

Instrument :

MSVOA_Y

ClientSampleId :

CF-20

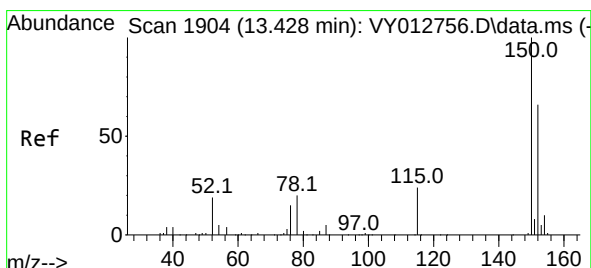
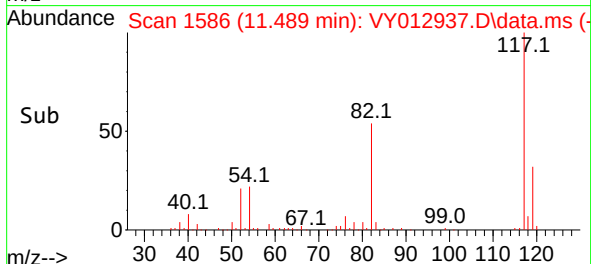
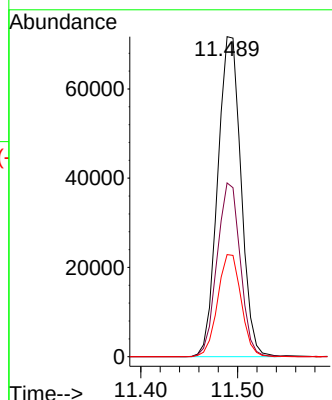
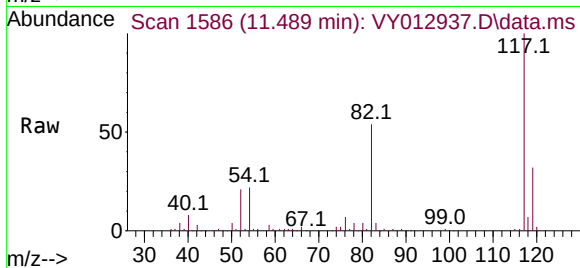
Tgt Ion:117 Resp: 120067

Ion Ratio Lower Upper

117 100

82 54.3 45.4 68.0

119 31.9 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY012937.D

Acq: 14 Mar 2023 13:03

Tgt Ion:152 Resp: 50141

Ion Ratio Lower Upper

152 100

115 54.9 27.1 81.3

150 156.2 0.0 347.8

