

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082322\
 Data File : VY010176.D
 Acq On : 23 Aug 2022 19:31
 Operator : KP/MD
 Sample : N4283-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 337

Quant Time: Aug 24 04:34:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 22 02:37:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	140000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	259888	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	261863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	122226	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	80496	70.196	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	140.400%
35) Dibromofluoromethane	7.710	113	68744	46.943	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.880%
50) Toluene-d8	10.179	98	268545	48.939	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.880%
62) 4-Bromofluorobenzene	12.477	95	84746	43.225	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	86.440%

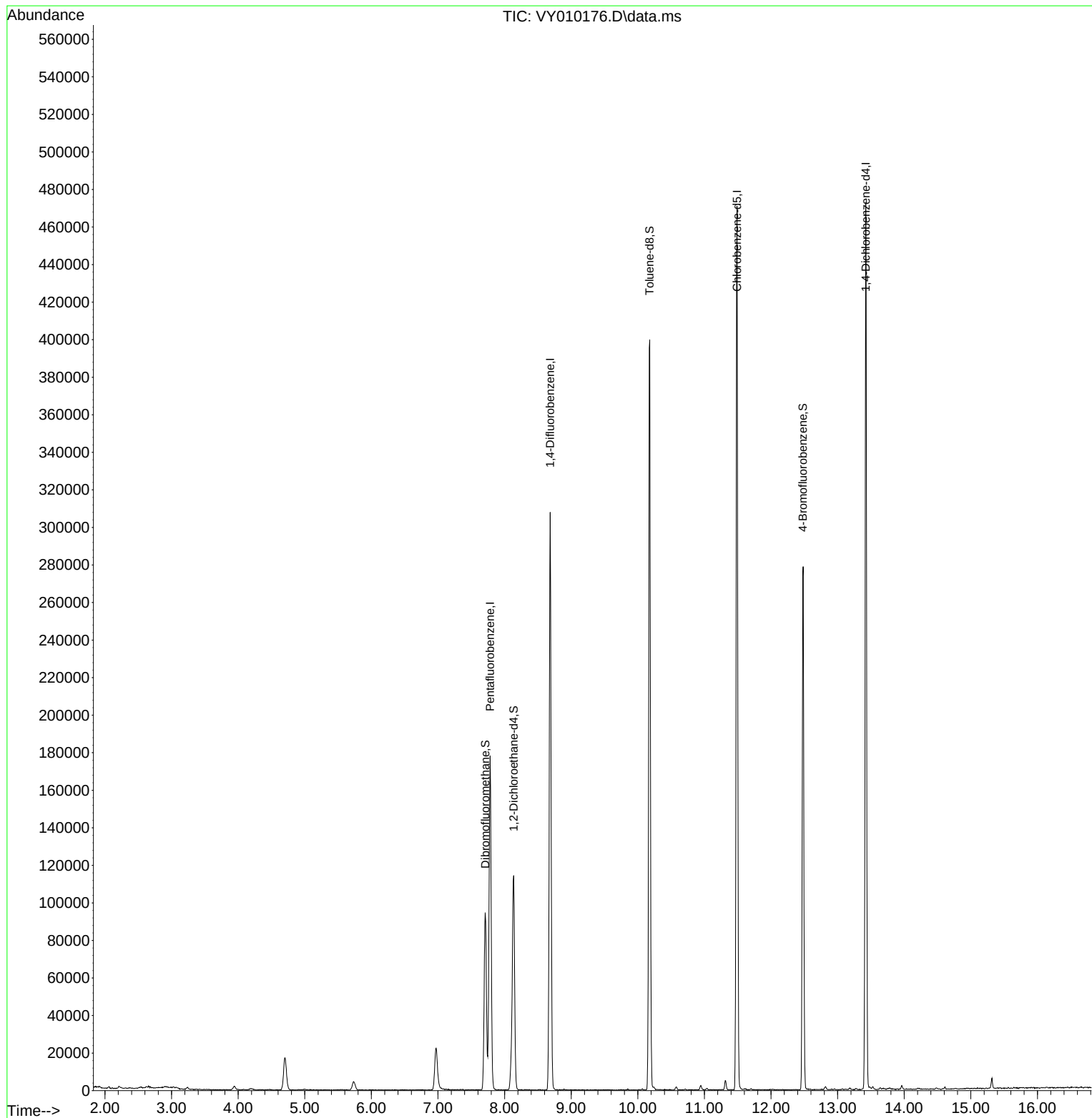
Target Compounds	Qvalue

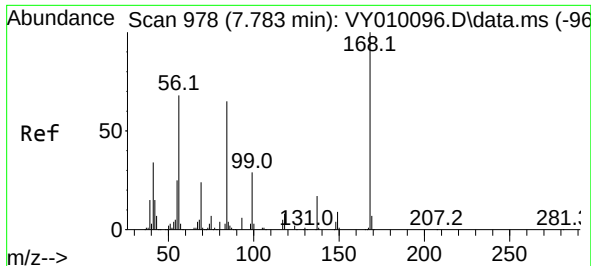
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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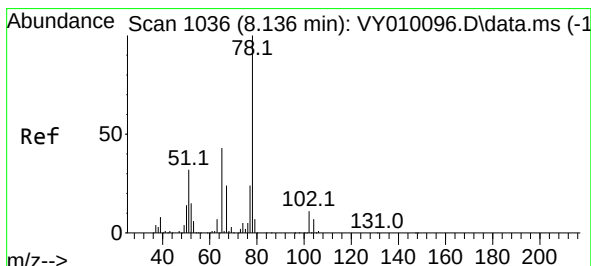
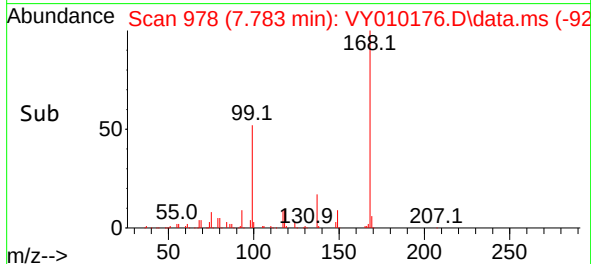
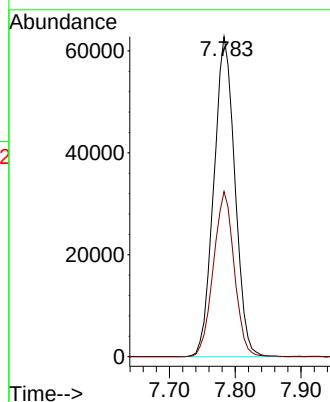
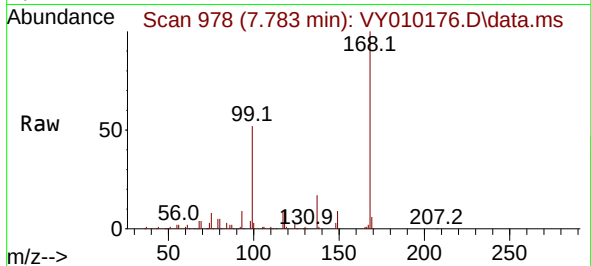




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010176.D
Acq: 23 Aug 2022 19:31

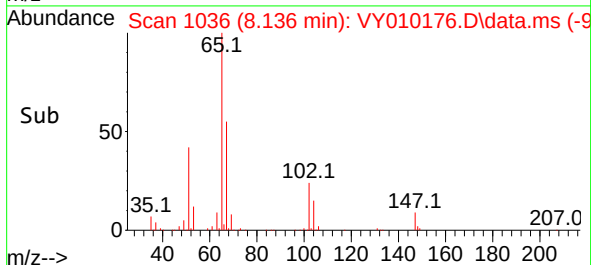
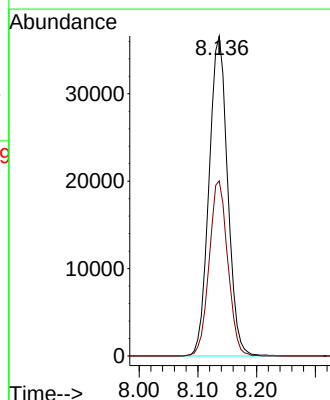
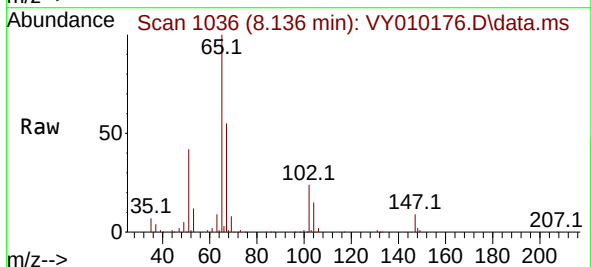
Instrument :
MSVOA_Y
ClientSampleId :
337

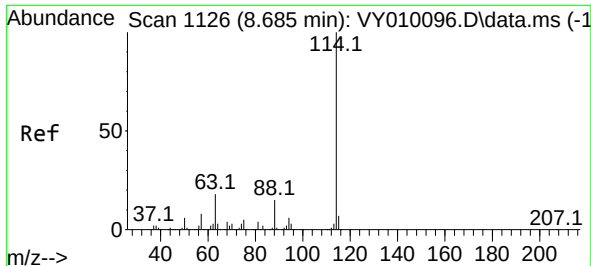
Tgt Ion:168 Resp: 140000
Ion Ratio Lower Upper
168 100
99 51.6 40.7 61.1



#33
1,2-Dichloroethane-d4
Concen: 70.196 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY010176.D
Acq: 23 Aug 2022 19:31

Tgt Ion: 65 Resp: 80496
Ion Ratio Lower Upper
65 100
67 54.6 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010176.D

Acq: 23 Aug 2022 19:31

Instrument :

MSVOA_Y

ClientSampleId :

337

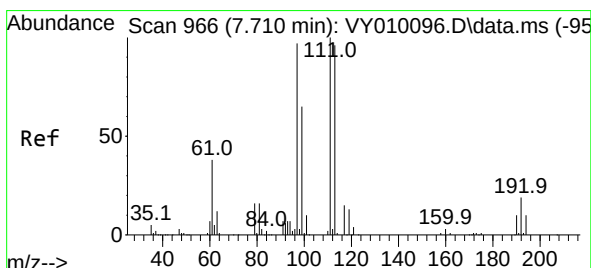
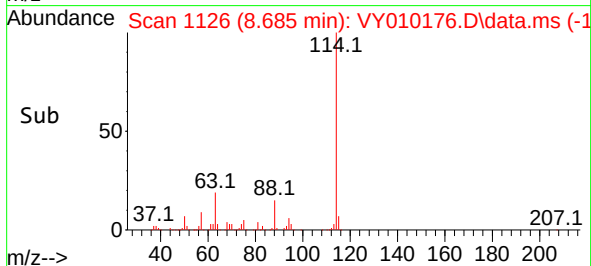
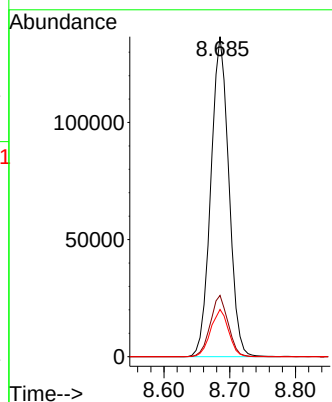
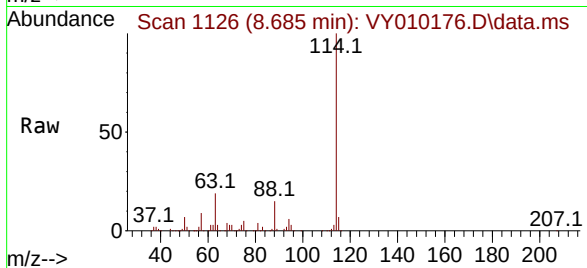
Tgt Ion:114 Resp: 259888

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.6

88 14.8 0.0 29.6



#35

Dibromofluoromethane

Concen: 46.943 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010176.D

Acq: 23 Aug 2022 19:31

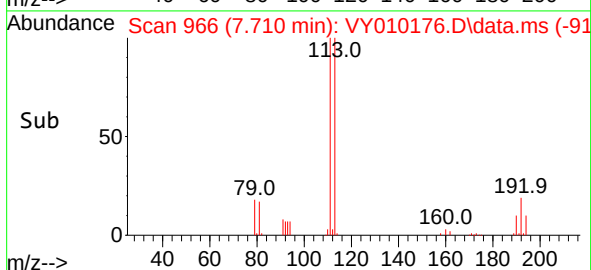
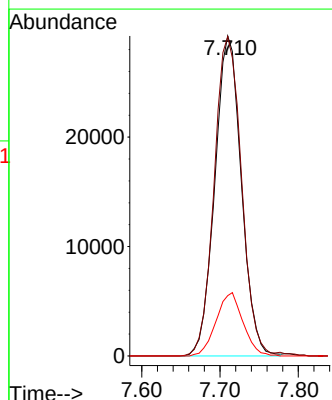
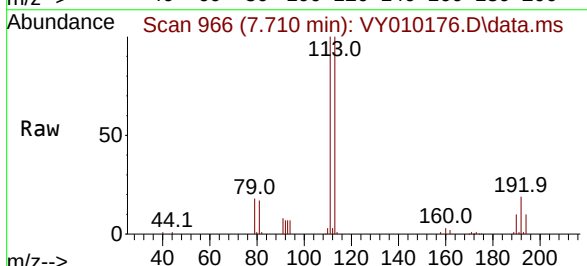
Tgt Ion:113 Resp: 68744

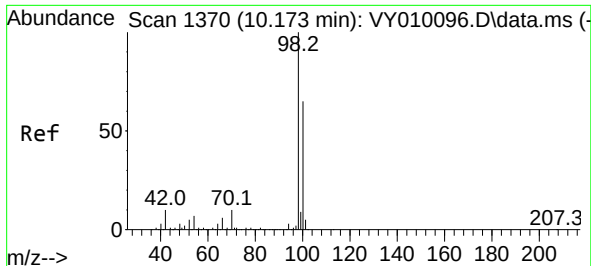
Ion Ratio Lower Upper

113 100

111 103.1 82.8 124.2

192 20.1 16.3 24.5

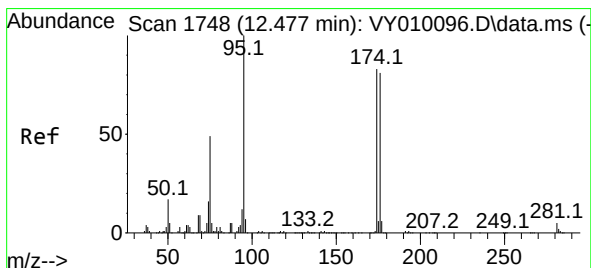
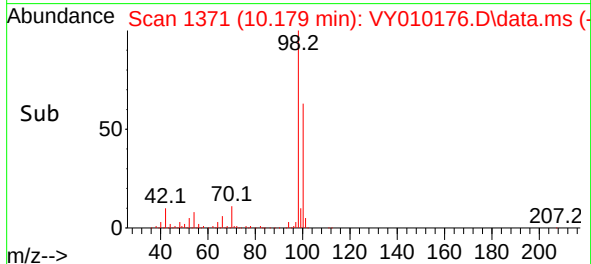
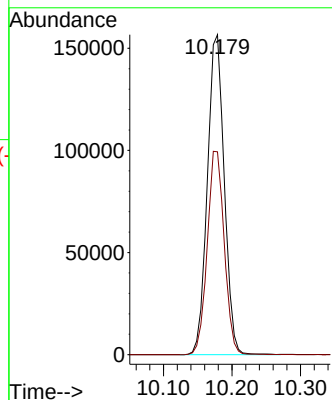
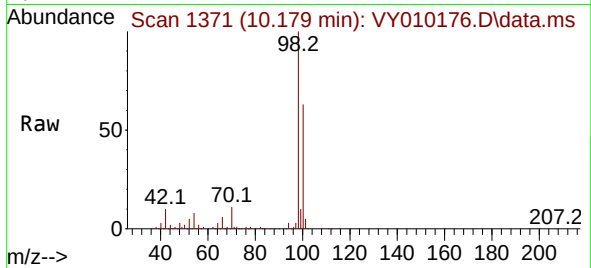




#50
Toluene-d8
Concen: 48.939 ug/l
RT: 10.179 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VY010176.D
Acq: 23 Aug 2022 19:31

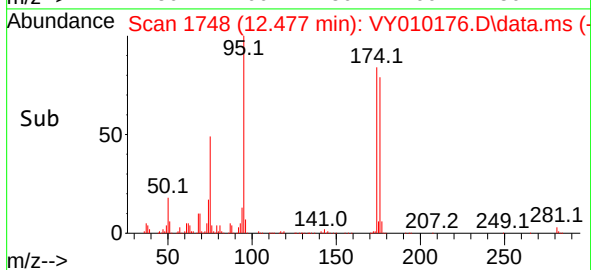
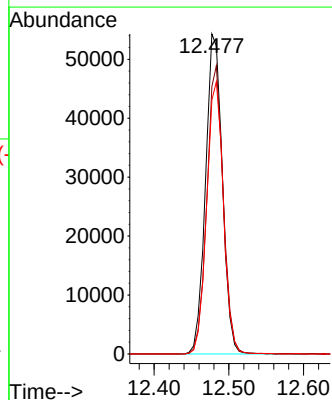
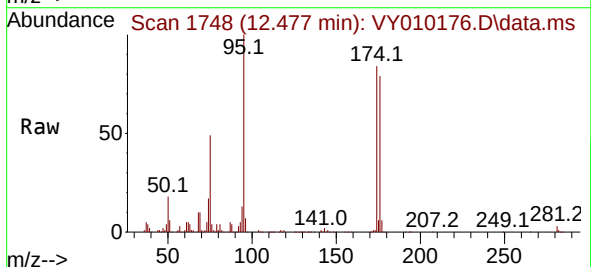
Instrument :
MSVOA_Y
ClientSampleId :
337

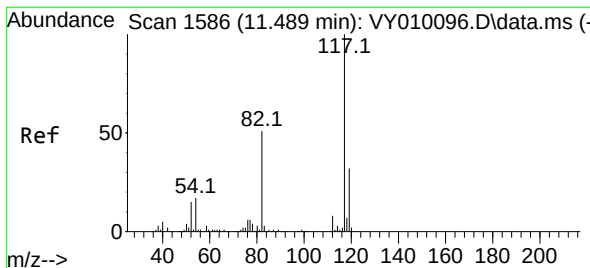
Tgt Ion: 98 Resp: 268545
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 43.225 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010176.D
Acq: 23 Aug 2022 19:31

Tgt Ion: 95 Resp: 84746
Ion Ratio Lower Upper
95 100
174 88.1 0.0 173.8
176 84.9 0.0 167.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY010176.D

Acq: 23 Aug 2022 19:31

Instrument :

MSVOA_Y

ClientSampleId :

337

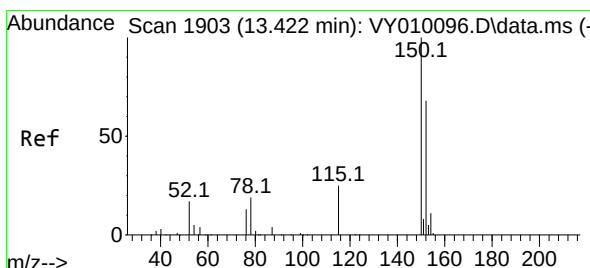
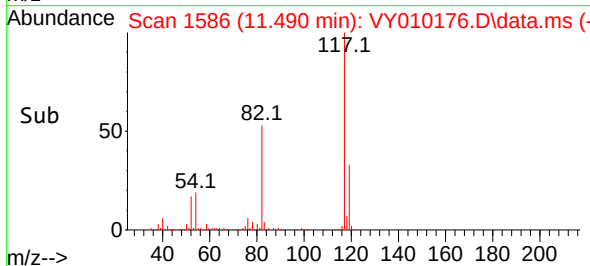
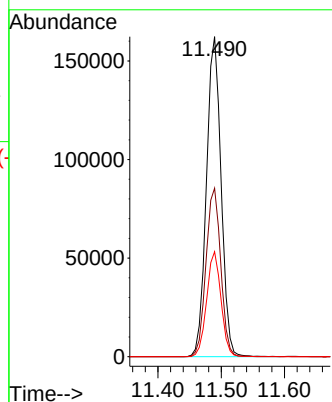
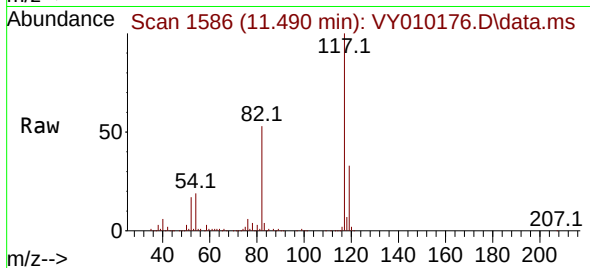
Tgt Ion:117 Resp: 261863

Ion Ratio Lower Upper

117 100

82 52.7 40.6 61.0

119 32.8 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY010176.D

Acq: 23 Aug 2022 19:31

Tgt Ion:152 Resp: 122226

Ion Ratio Lower Upper

152 100

115 56.0 28.1 84.2

150 157.7 0.0 346.2

