

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011813.D
 Acq On : 14 Dec 2022 00:06
 Operator : KP/MD
 Sample : N6037-04
 Misc : 5.84g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-19-(2.3-4.3)

Quant Time: Dec 14 05:37:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	275565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	455220	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	376898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	150169	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	93353	49.607	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.220%
35) Dibromofluoromethane	7.722	113	94759	46.587	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.180%
50) Toluene-d8	10.179	98	275767	40.299	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	80.600%
62) 4-Bromofluorobenzene	12.483	95	99000	36.255	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	72.500%

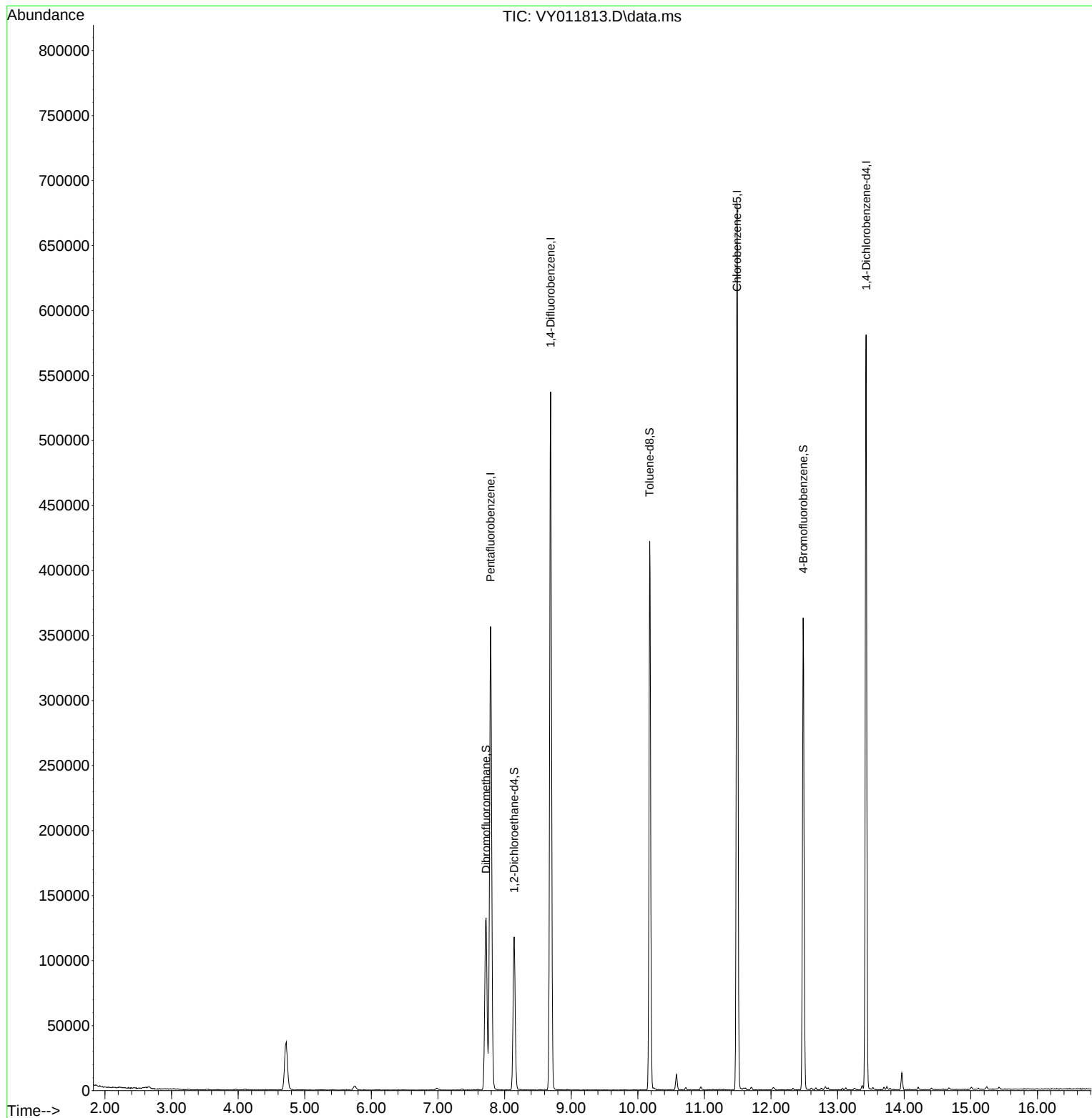
Target Compounds	Qvalue

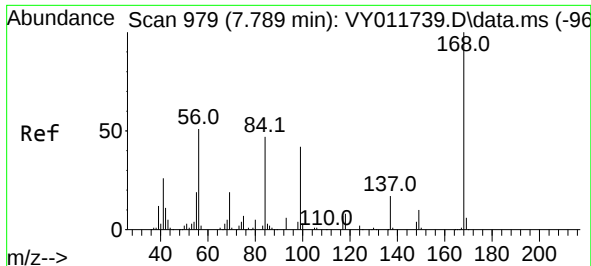
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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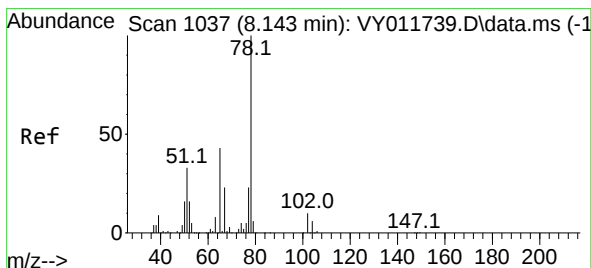
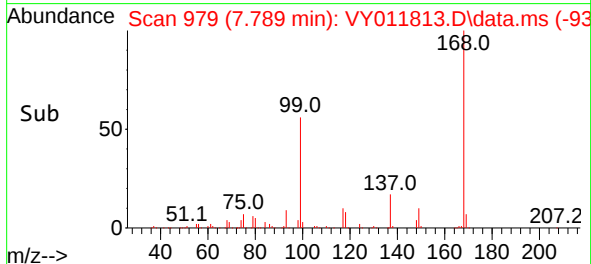
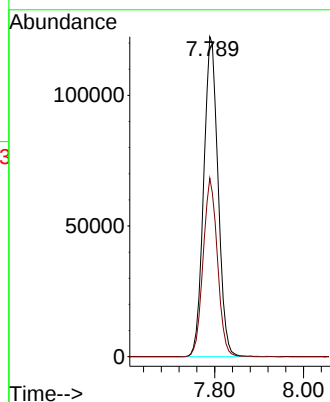
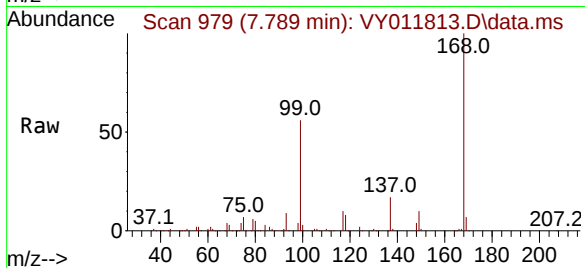




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011813.D
Acq: 14 Dec 2022 00:06

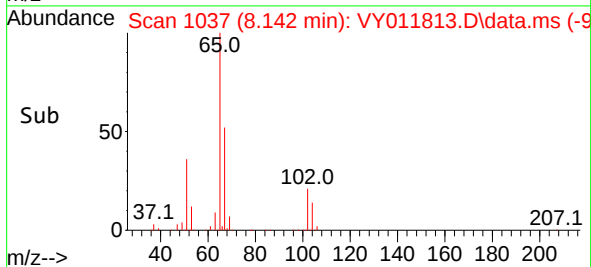
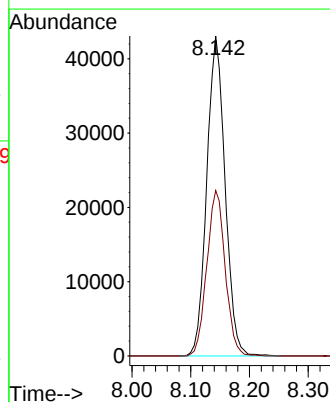
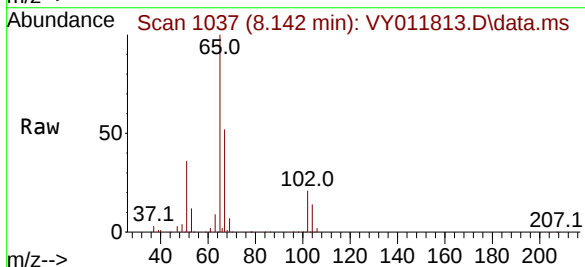
Instrument :
MSVOA_Y
ClientSampleId :
RB-19-(2.3-4.3)

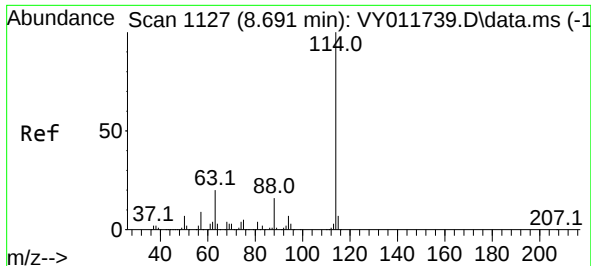
Tgt Ion:168 Resp: 275565
Ion Ratio Lower Upper
168 100
99 55.8 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 49.607 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011813.D
Acq: 14 Dec 2022 00:06

Tgt Ion: 65 Resp: 93353
Ion Ratio Lower Upper
65 100
67 51.8 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: VY011813.D

Acq: 14 Dec 2022 00:06

Instrument :

MSVOA_Y

ClientSampleId :

RB-19-(2.3-4.3)

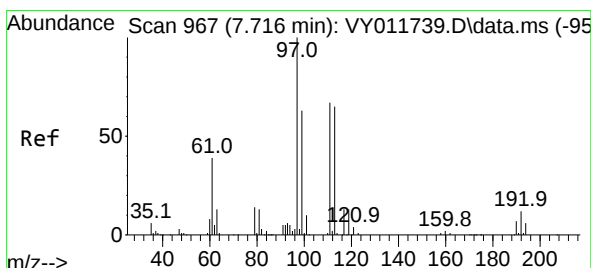
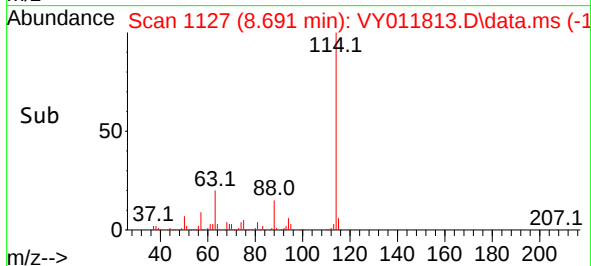
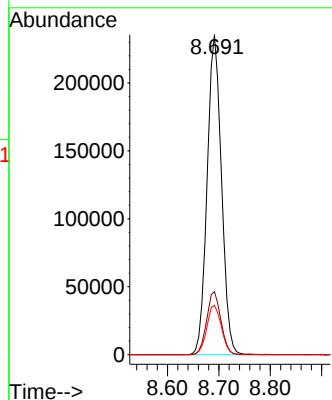
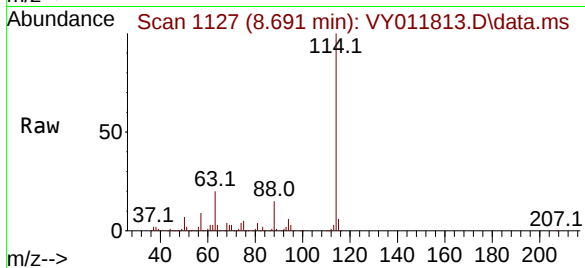
Tgt Ion:114 Resp: 455220

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

88 15.4 0.0 32.2



#35

Dibromofluoromethane

Concen: 46.587 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY011813.D

Acq: 14 Dec 2022 00:06

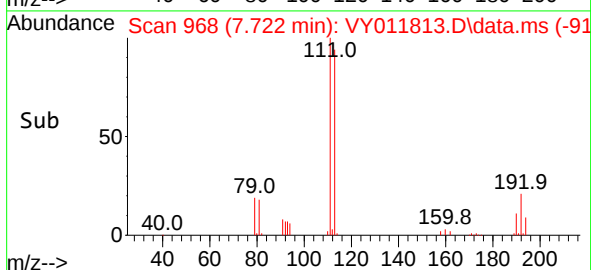
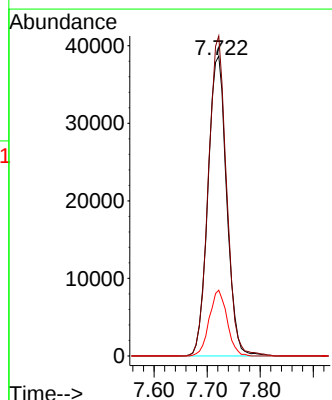
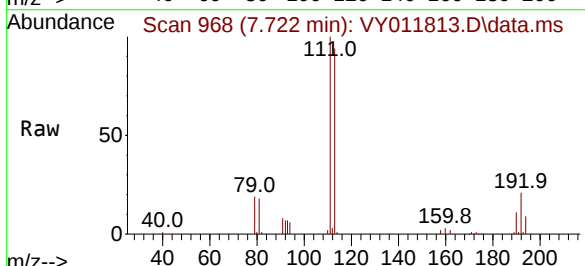
Tgt Ion:113 Resp: 94759

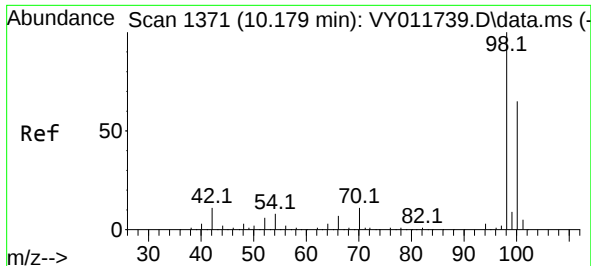
Ion Ratio Lower Upper

113 100

111 103.3 83.0 124.4

192 20.9 16.0 24.0

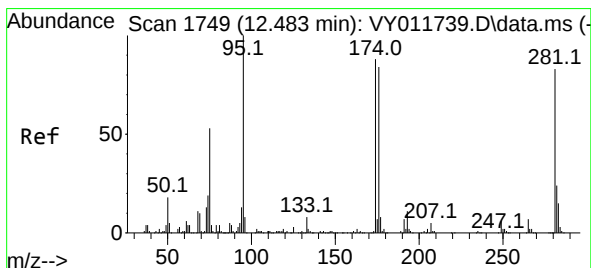
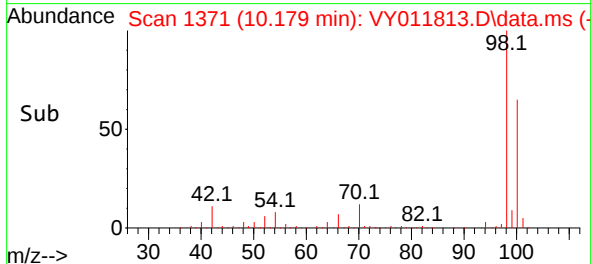
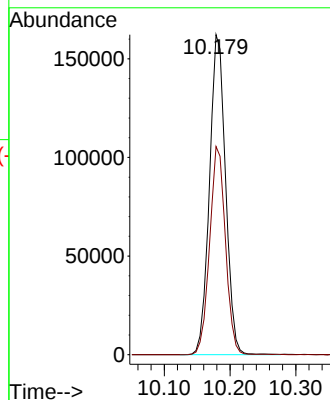
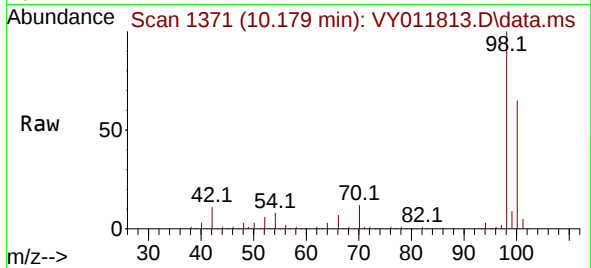




#50
Toluene-d8
Concen: 40.299 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011813.D
Acq: 14 Dec 2022 00:06

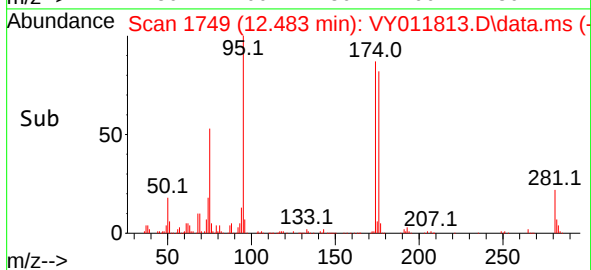
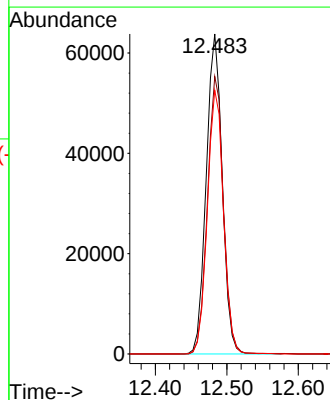
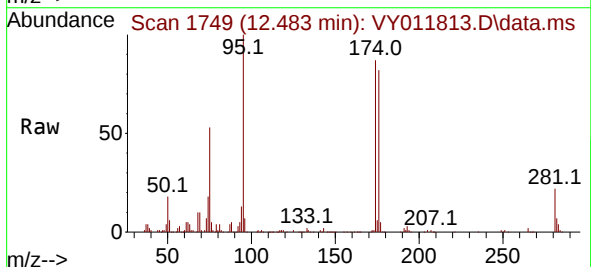
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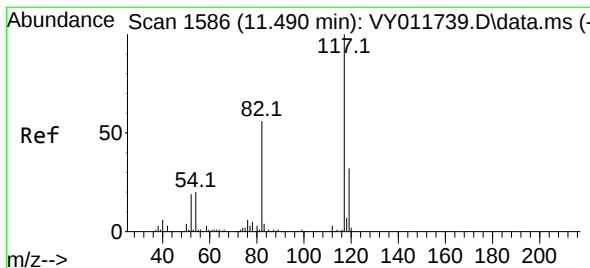
Tgt Ion: 98 Resp: 275767
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 36.255 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011813.D
Acq: 14 Dec 2022 00:06

Tgt Ion: 95 Resp: 99000
Ion Ratio Lower Upper
95 100
174 87.3 0.0 172.0
176 83.2 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY011813.D

Acq: 14 Dec 2022 00:06

Instrument :

MSVOA_Y

ClientSampleId :

RB-19-(2.3-4.3)

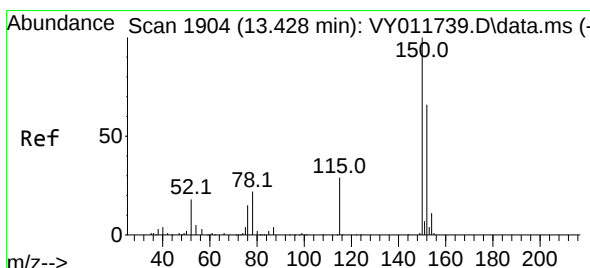
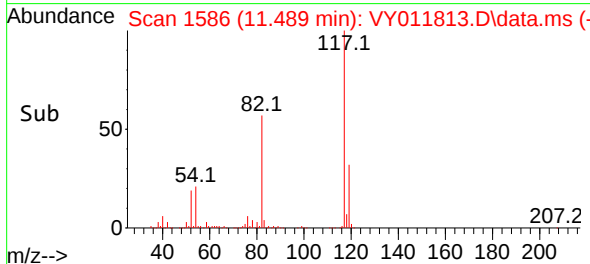
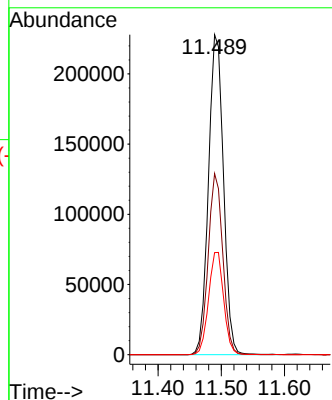
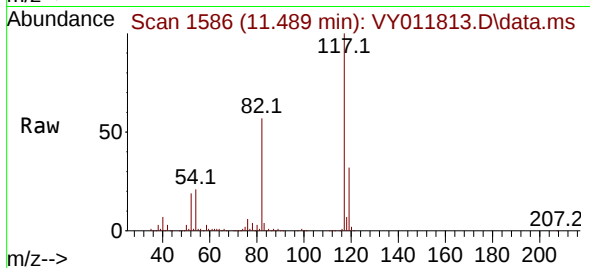
Tgt Ion:117 Resp: 376898

Ion Ratio Lower Upper

117 100

82 56.6 44.8 67.2

119 31.9 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY011813.D

Acq: 14 Dec 2022 00:06

Tgt Ion:152 Resp: 150169

Ion Ratio Lower Upper

152 100

115 58.5 29.1 87.3

150 159.3 0.0 342.6

