

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111822\
 Data File : VY011507.D
 Acq On : 18 Nov 2022 17:24
 Operator : KP/MD
 Sample : N5641-20
 Misc : 6.20g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-PILE-20

Quant Time: Nov 19 22:41:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	186791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	354869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	335629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	147068	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	132486	69.852	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	139.700%
35) Dibromofluoromethane	7.722	113	115128	52.701	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.400%
50) Toluene-d8	10.179	98	434240	54.701	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	109.400%
62) 4-Bromofluorobenzene	12.483	95	137912	46.987	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.980%

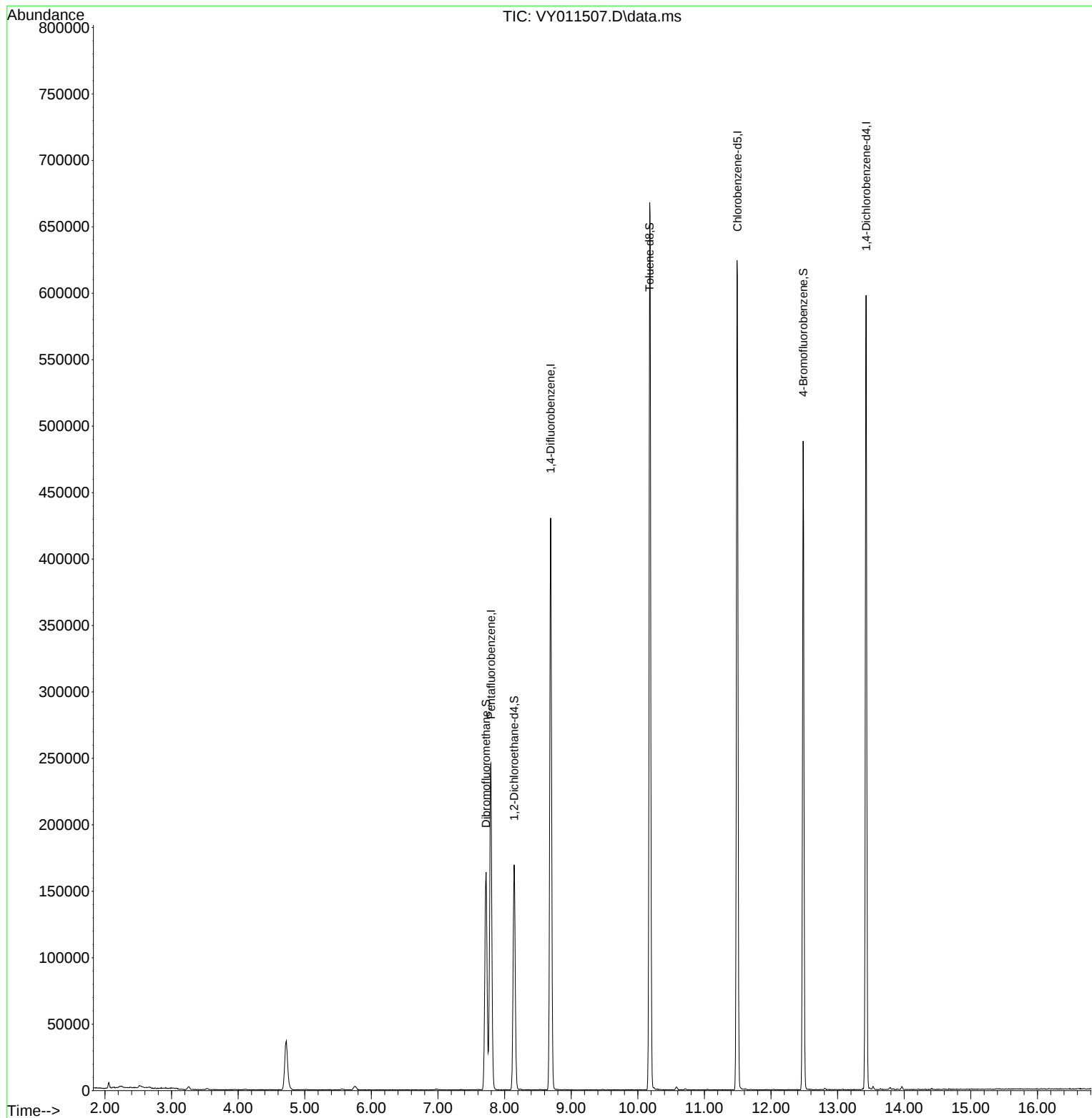
Target Compounds	Qvalue

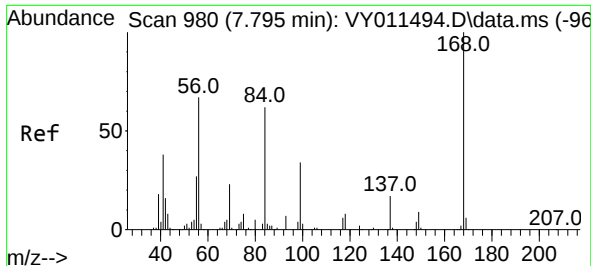
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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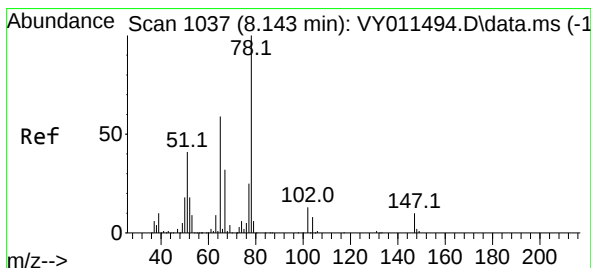
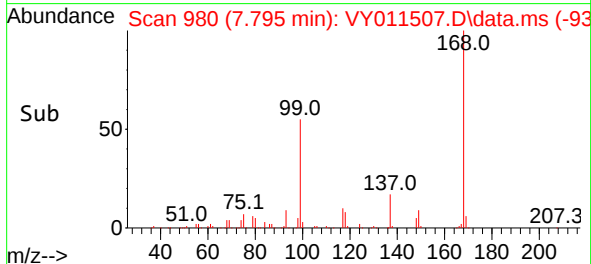
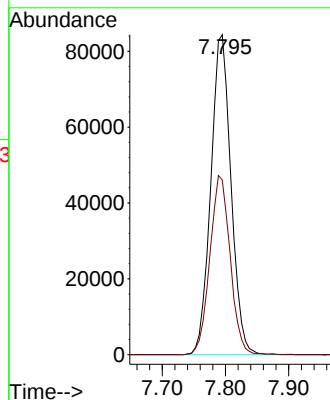
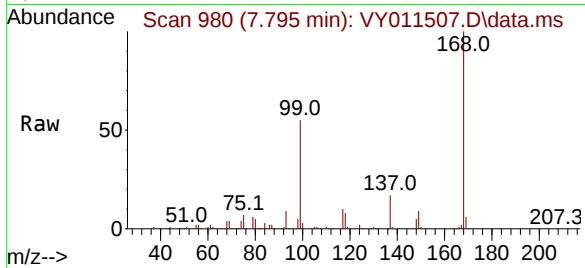




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011507.D
Acq: 18 Nov 2022 17:24

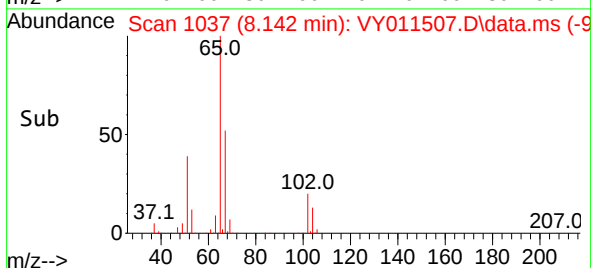
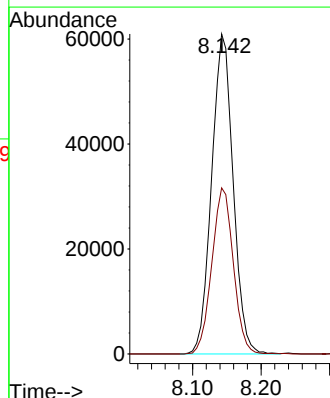
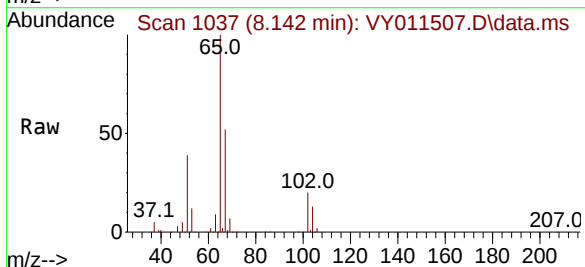
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-PILE-20

Tgt Ion:168 Resp: 186791
Ion Ratio Lower Upper
168 100
99 54.6 46.9 70.3



#33
1,2-Dichloroethane-d4
Concen: 69.852 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011507.D
Acq: 18 Nov 2022 17:24

Tgt Ion: 65 Resp: 132486
Ion Ratio Lower Upper
65 100
67 52.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011507.D

Acq: 18 Nov 2022 17:24

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-PILE-20

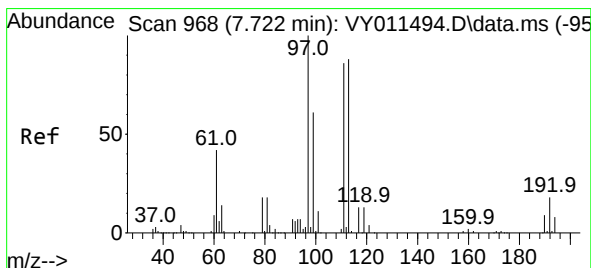
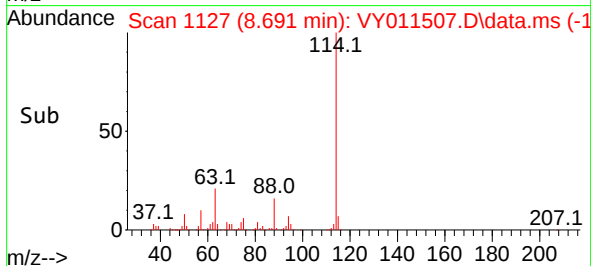
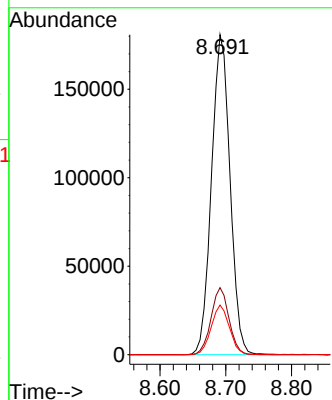
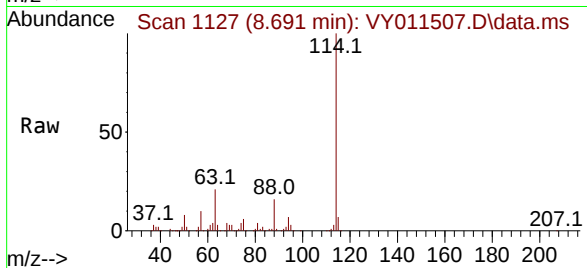
Tgt Ion:114 Resp: 354869

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.701 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY011507.D

Acq: 18 Nov 2022 17:24

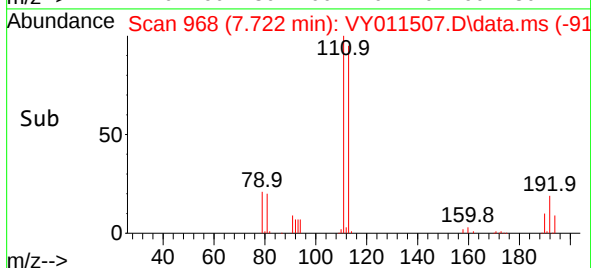
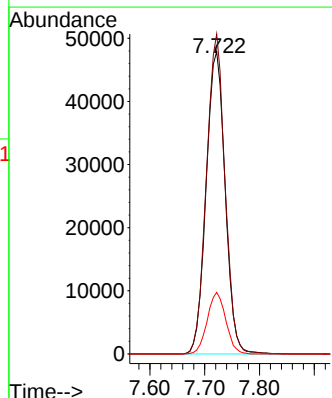
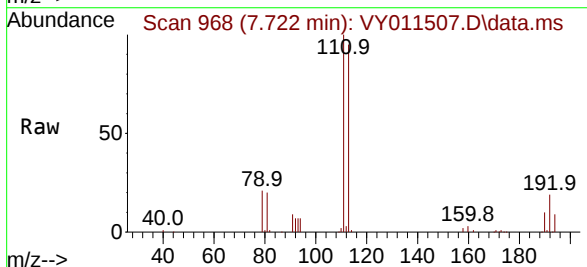
Tgt Ion:113 Resp: 115128

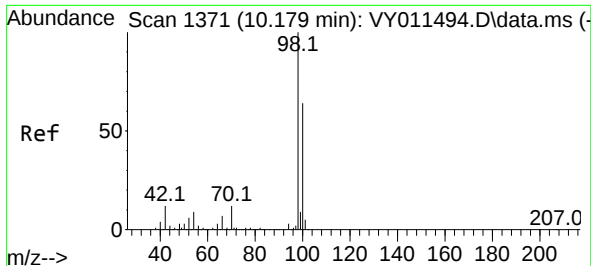
Ion Ratio Lower Upper

113 100

111 103.3 82.6 124.0

192 19.9 17.6 26.4

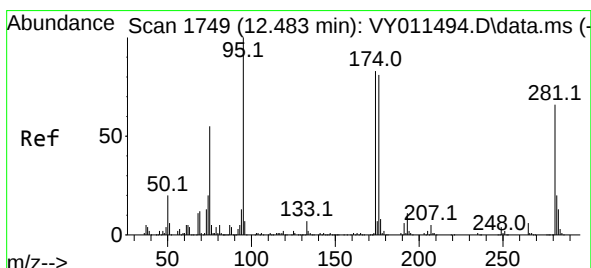
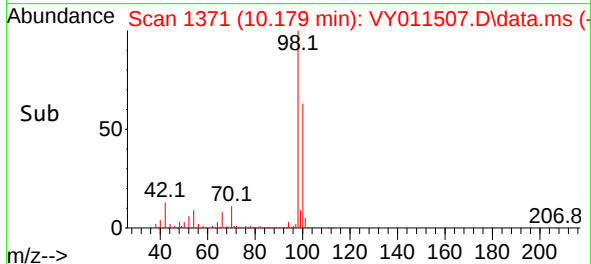
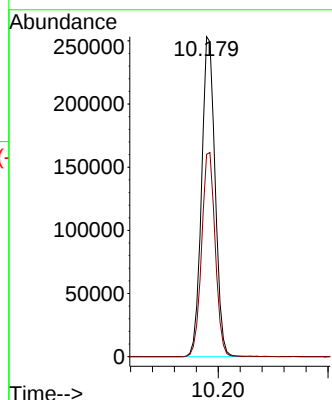
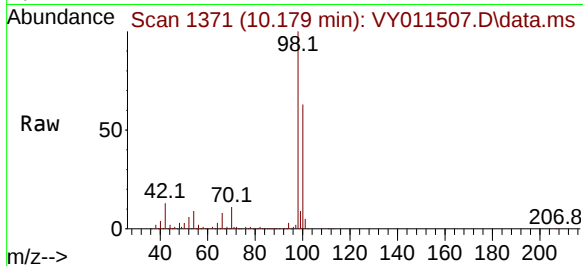




#50
Toluene-d8
Concen: 54.701 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011507.D
Acq: 18 Nov 2022 17:24

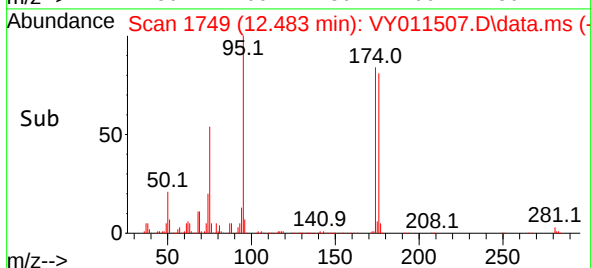
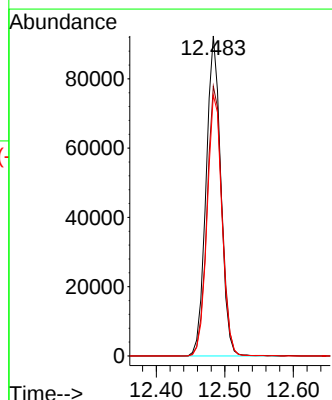
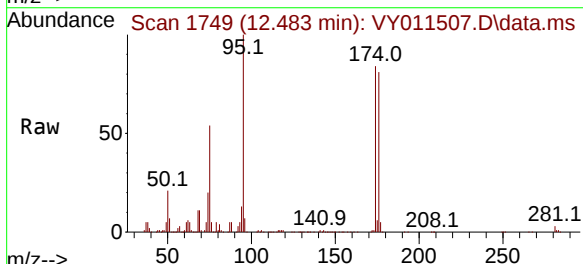
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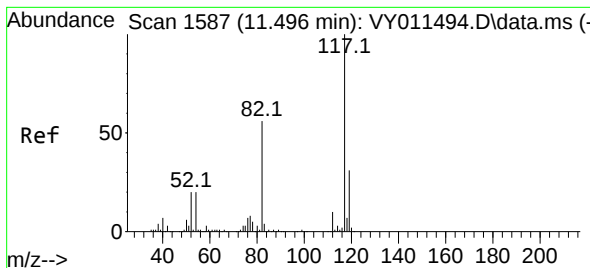
Tgt Ion: 98 Resp: 434240
Ion Ratio Lower Upper
98 100
100 64.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 46.987 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011507.D
Acq: 18 Nov 2022 17:24

Tgt Ion: 95 Resp: 137912
Ion Ratio Lower Upper
95 100
174 86.2 0.0 177.0
176 82.4 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY011507.D

Acq: 18 Nov 2022 17:24

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-PILE-20

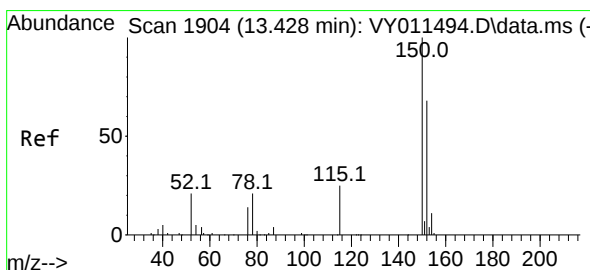
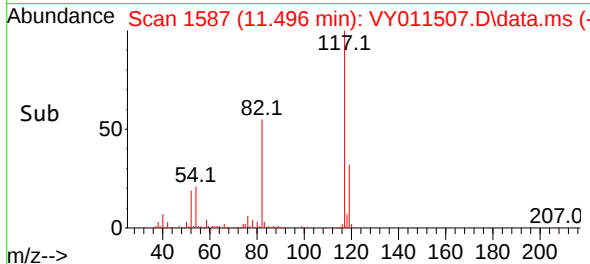
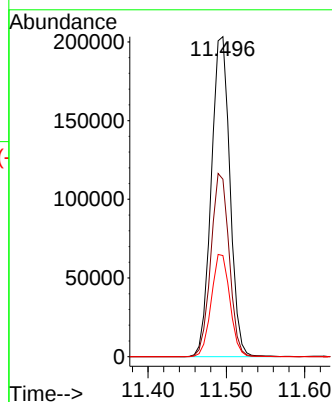
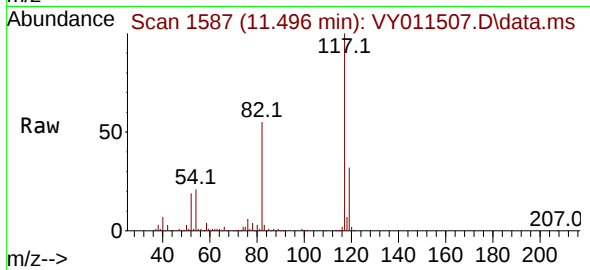
Tgt Ion:117 Resp: 335629

Ion Ratio Lower Upper

117 100

82 55.4 43.0 64.4

119 31.6 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY011507.D

Acq: 18 Nov 2022 17:24

Tgt Ion:152 Resp: 147068

Ion Ratio Lower Upper

152 100

115 57.7 28.2 84.7

150 158.1 0.0 347.6

