

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122122\
 Data File : VY011939.D
 Acq On : 21 Dec 2022 12:17
 Operator : KP/MD
 Sample : VY1221SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1221SBL01

Quant Time: Dec 22 00:12:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	216816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	351772	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	311120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	142146	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	113378	51.904	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.800%
35) Dibromofluoromethane	7.716	113	104560	49.373	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.740%
50) Toluene-d8	10.179	98	413884	48.169	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.340%
62) 4-Bromofluorobenzene	12.483	95	129742	44.897	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.800%

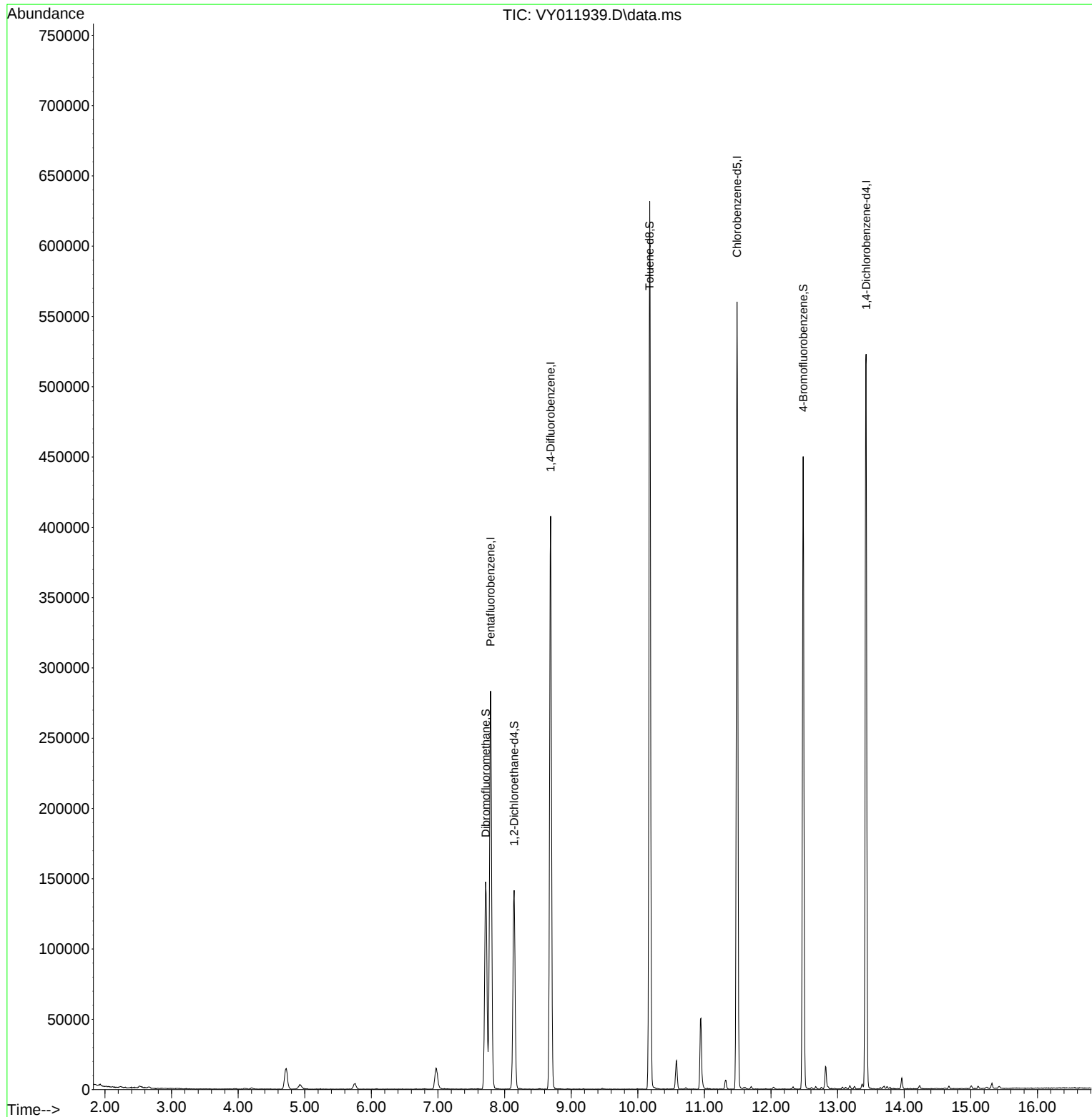
Target Compounds	Qvalue

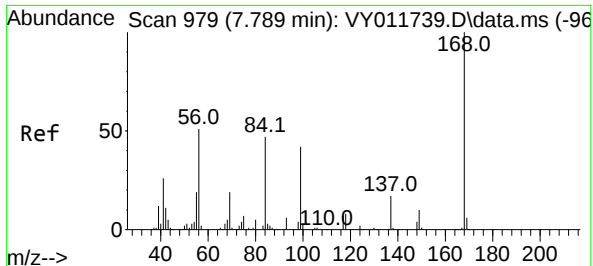
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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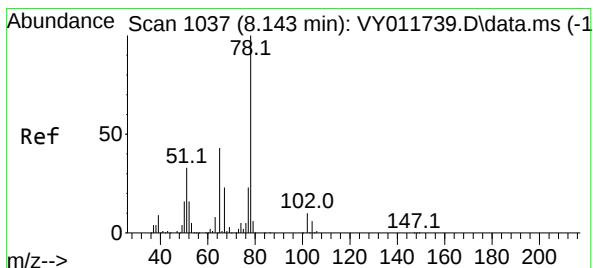
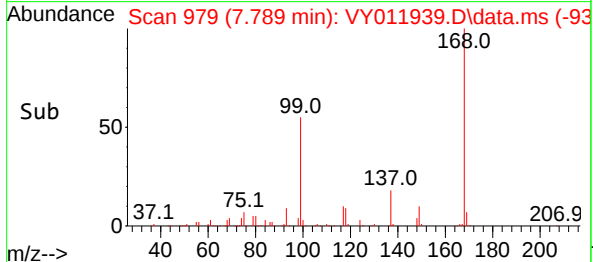
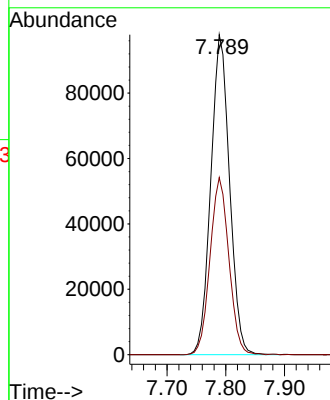
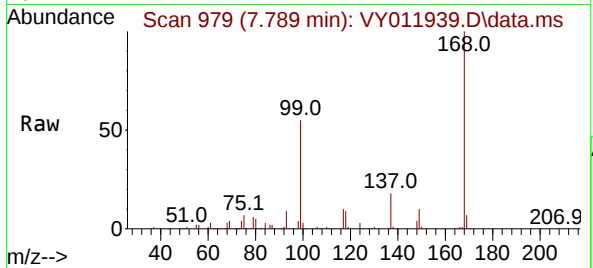




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011939.D
Acq: 21 Dec 2022 12:17

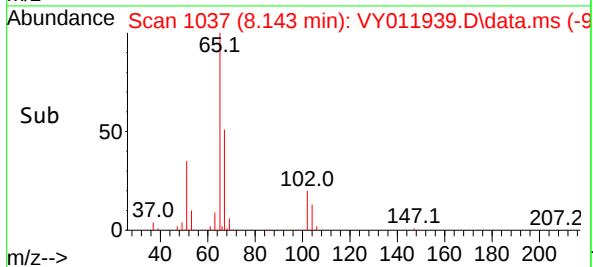
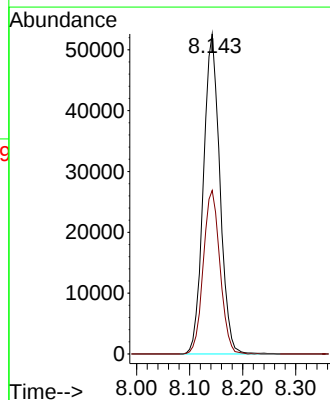
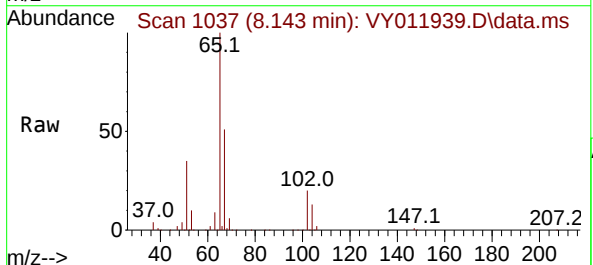
Instrument :
MSVOA_Y
ClientSampleId :
VY1221SBL01

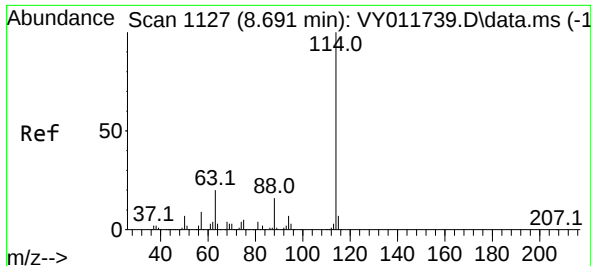
Tgt Ion:168 Resp: 216816
Ion Ratio Lower Upper
168 100
99 55.4 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 51.904 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011939.D
Acq: 21 Dec 2022 12:17

Tgt Ion: 65 Resp: 113378
Ion Ratio Lower Upper
65 100
67 51.7 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: VY011939.D

Acq: 21 Dec 2022 12:17

Instrument :

MSVOA_Y

ClientSampleId :

VY1221SBL01

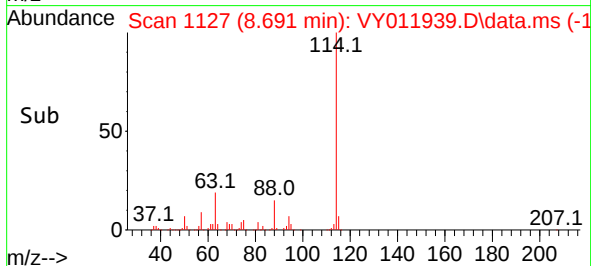
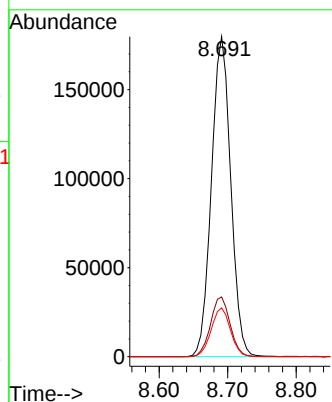
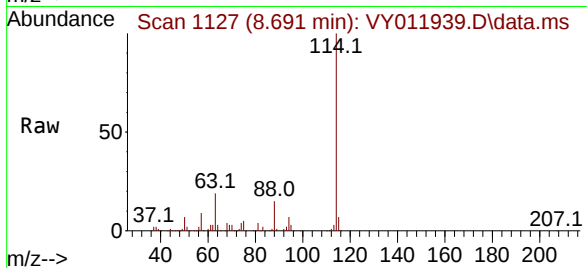
Tgt Ion:114 Resp: 351772

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.6

88 15.3 0.0 32.2



#35

Dibromofluoromethane

Concen: 49.373 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011939.D

Acq: 21 Dec 2022 12:17

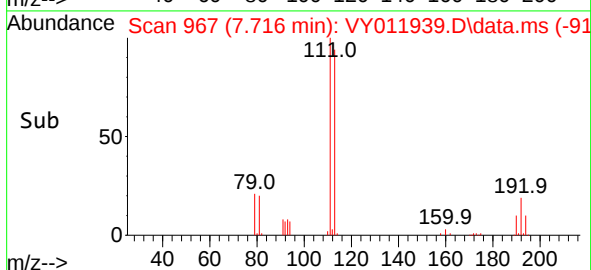
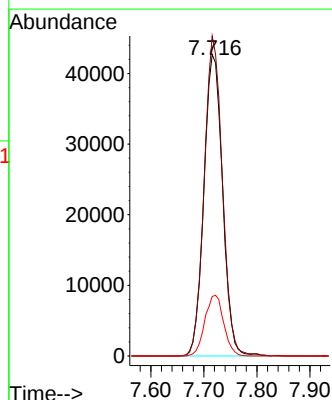
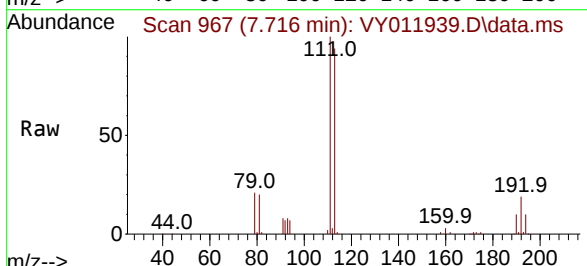
Tgt Ion:113 Resp: 104560

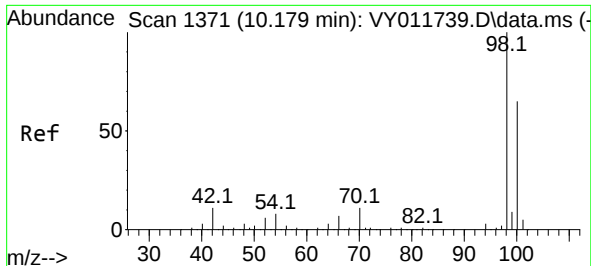
Ion Ratio Lower Upper

113 100

111 103.1 83.0 124.4

192 20.3 16.0 24.0





#50

Toluene-d8

Concen: 48.169 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY011939.D

Acq: 21 Dec 2022 12:17

Instrument :

MSVOA_Y

ClientSampleId :

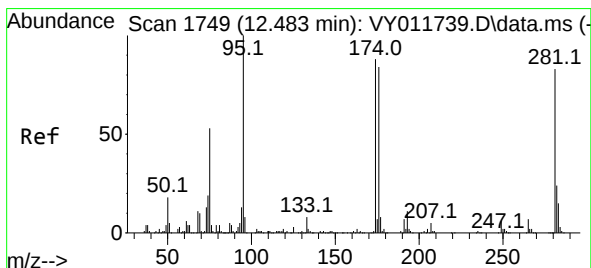
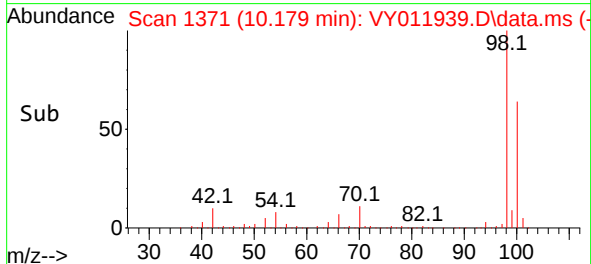
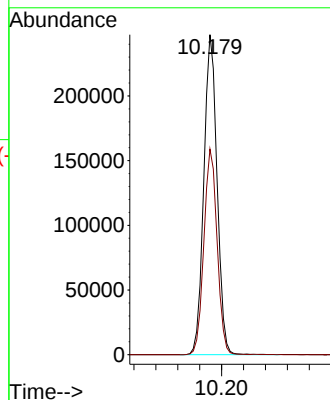
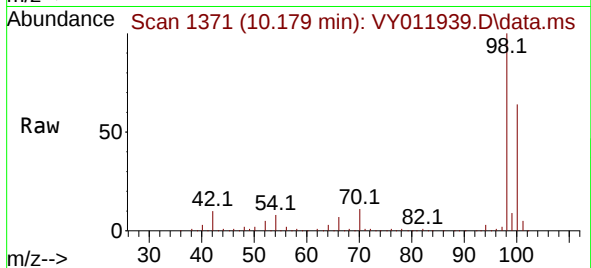
VY1221SBL01

Tgt Ion: 98 Resp: 413884

Ion Ratio Lower Upper

98 100

100 64.2 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 44.897 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY011939.D

Acq: 21 Dec 2022 12:17

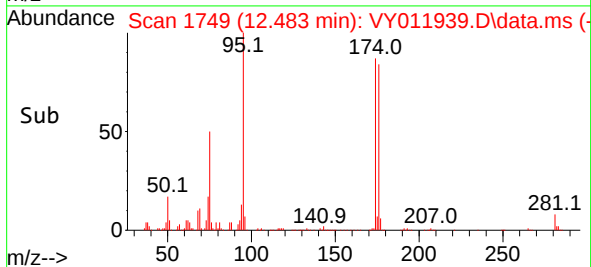
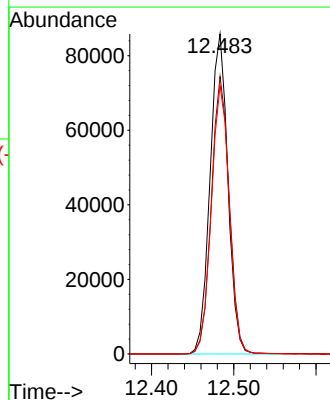
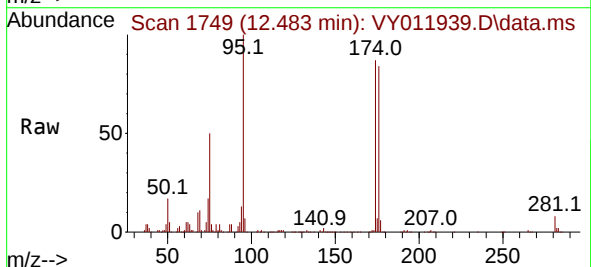
Tgt Ion: 95 Resp: 129742

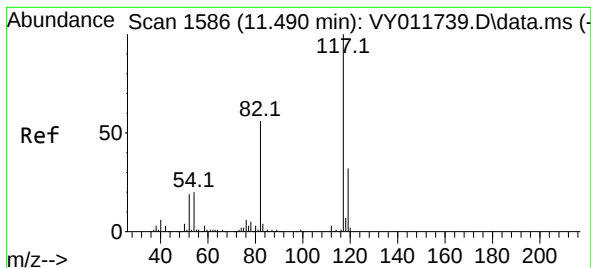
Ion Ratio Lower Upper

95 100

174 87.4 0.0 172.0

176 84.6 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: VY011939.D

Acq: 21 Dec 2022 12:17

Instrument :

MSVOA_Y

ClientSampleId :

VY1221SBL01

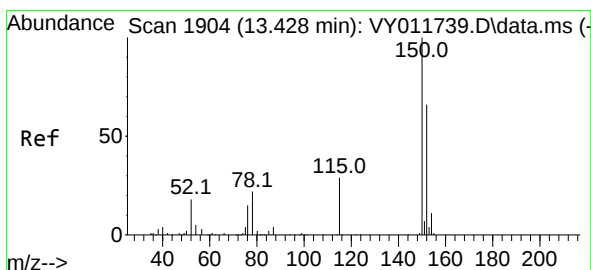
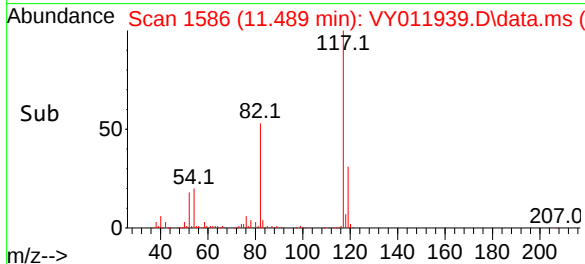
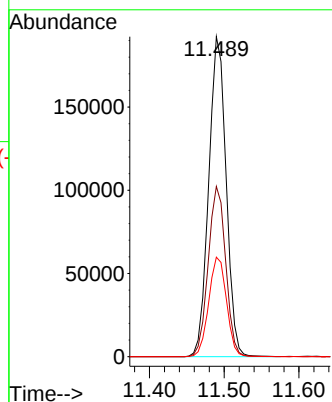
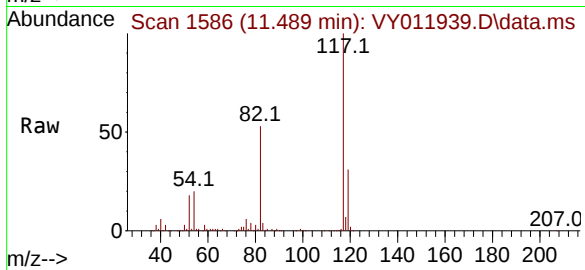
Tgt Ion:117 Resp: 311120

Ion Ratio Lower Upper

117 100

82 53.2 44.8 67.2

119 31.1 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: VY011939.D

Acq: 21 Dec 2022 12:17

Tgt Ion:152 Resp: 142146

Ion Ratio Lower Upper

152 100

115 57.8 29.1 87.3

150 158.1 0.0 342.6

