

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120522\
 Data File : VY011698.D
 Acq On : 05 Dec 2022 15:52
 Operator : KP/MD
 Sample : N5871-01
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-4-120222

Quant Time: Dec 06 00:37:02 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	7.789	168	137662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	254450	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	259559	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	116365	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	104402	74.689	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	149.380%
35) Dibromofluoromethane	7.716	113	86984	55.532	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.060%
50) Toluene-d8	10.179	98	313753	55.121	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	110.240%
62) 4-Bromofluorobenzene	12.483	95	104173	49.499	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.000%

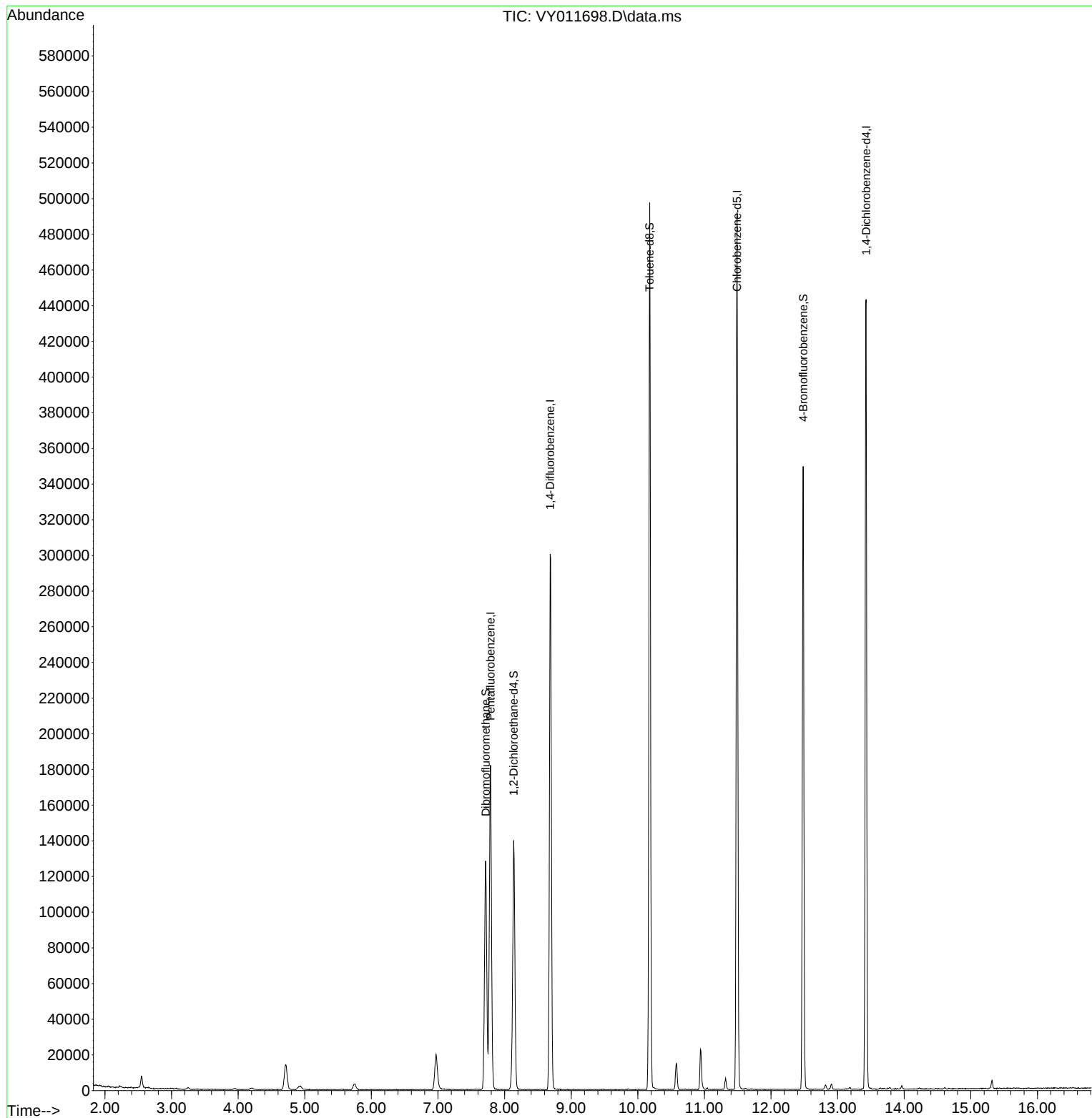
Target Compounds	Qvalue

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

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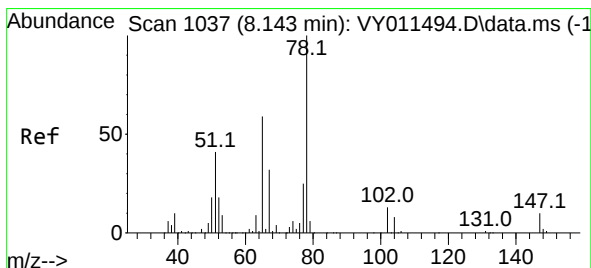
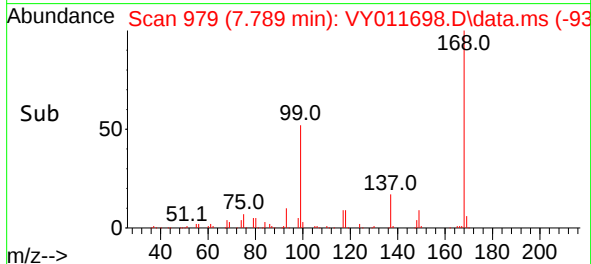
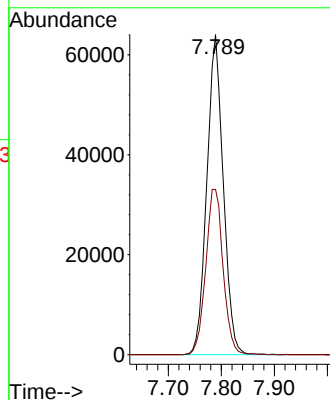
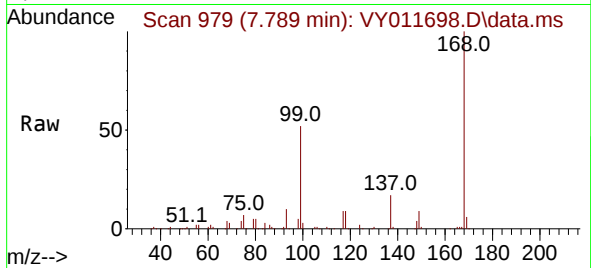




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011698.D
Acq: 05 Dec 2022 15:52

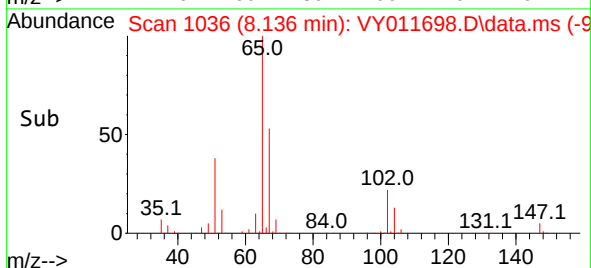
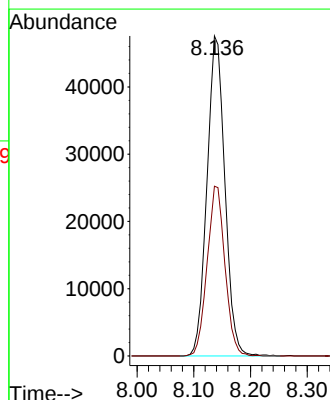
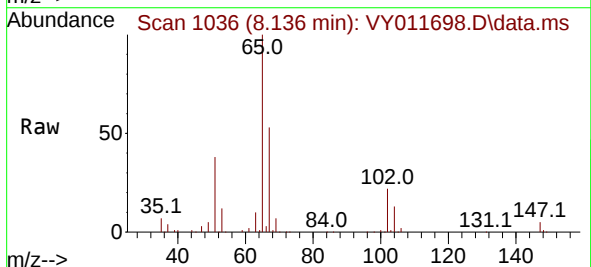
Instrument :
MSVOA_Y
ClientSampleId :
SU-4-120222

Tgt Ion:168 Resp: 137662
Ion Ratio Lower Upper
168 100
99 51.6 46.9 70.3



#33
1,2-Dichloroethane-d4
Concen: 74.689 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY011698.D
Acq: 05 Dec 2022 15:52

Tgt Ion: 65 Resp: 104402
Ion Ratio Lower Upper
65 100
67 52.8 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY011698.D

Acq: 05 Dec 2022 15:52

Instrument :

MSVOA_Y

ClientSampleId :

SU-4-120222

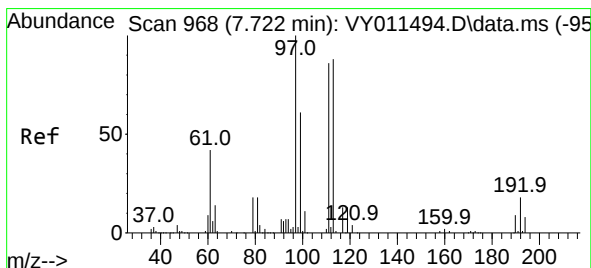
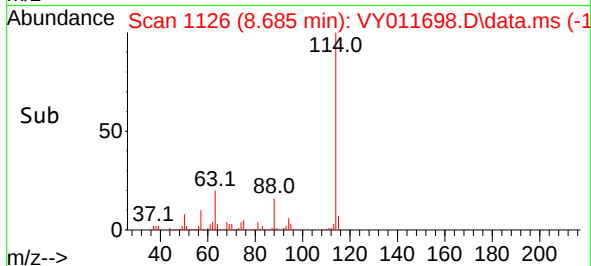
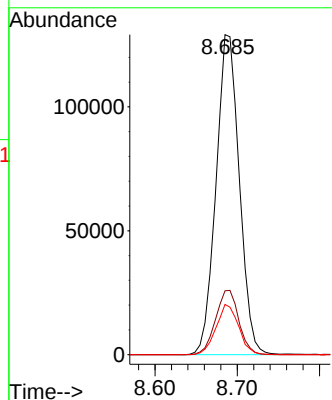
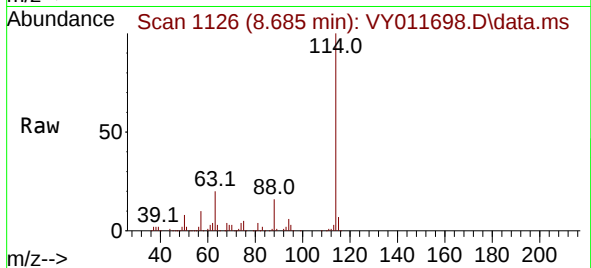
Tgt Ion:114 Resp: 254450

Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.2

88 15.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.532 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY011698.D

Acq: 05 Dec 2022 15:52

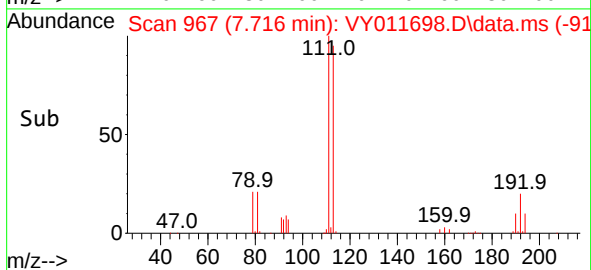
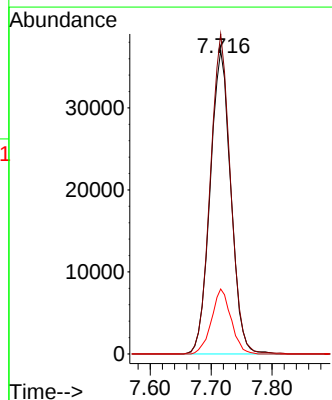
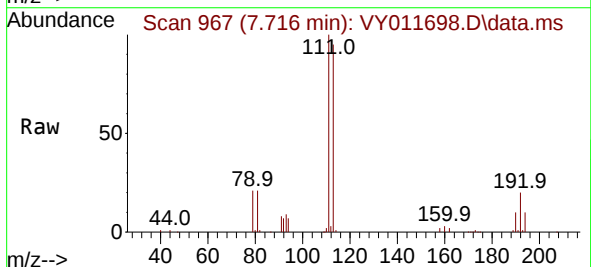
Tgt Ion:113 Resp: 86984

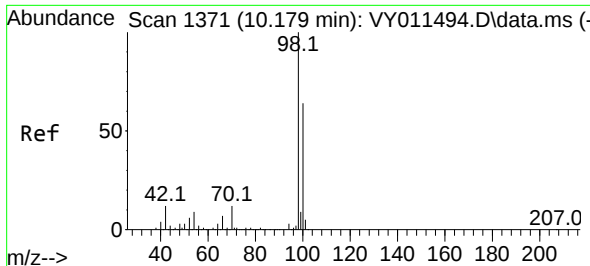
Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

192 20.3 17.6 26.4

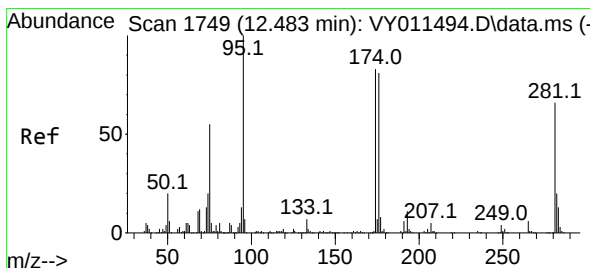
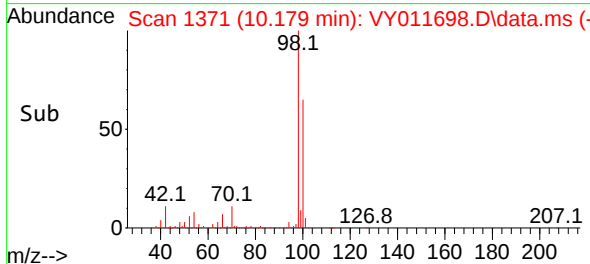
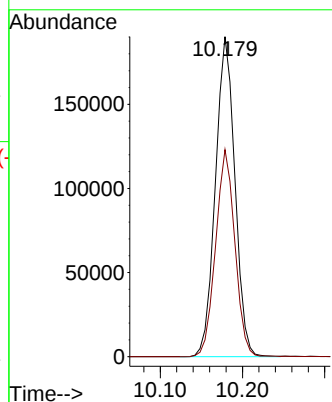
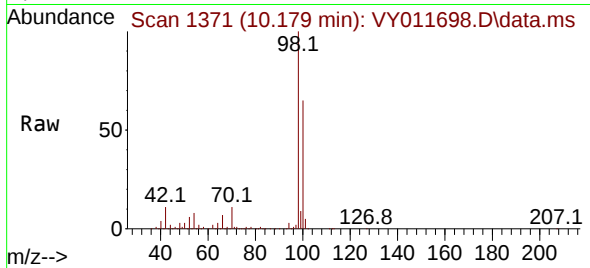




#50
Toluene-d8
Concen: 55.121 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011698.D
Acq: 05 Dec 2022 15:52

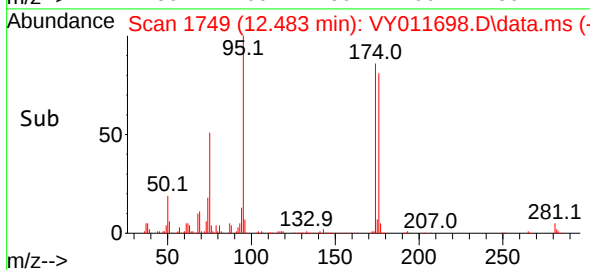
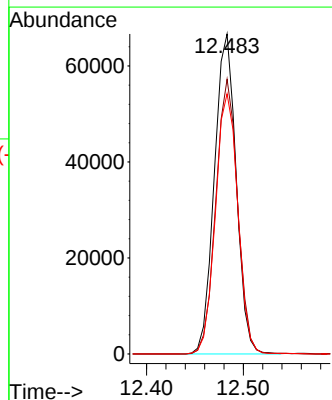
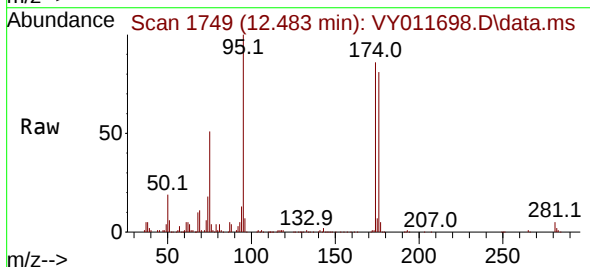
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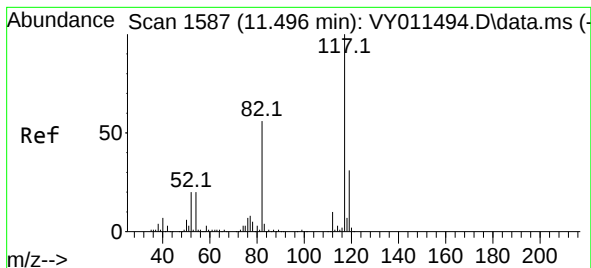
Tgt Ion: 98 Resp: 313753
Ion Ratio Lower Upper
98 100
100 63.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 49.499 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011698.D
Acq: 05 Dec 2022 15:52

Tgt Ion: 95 Resp: 104173
Ion Ratio Lower Upper
95 100
174 86.0 0.0 177.0
176 83.5 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.007 min

Lab File: VY011698.D

Acq: 05 Dec 2022 15:52

Instrument :

MSVOA_Y

ClientSampleId :

SU-4-120222

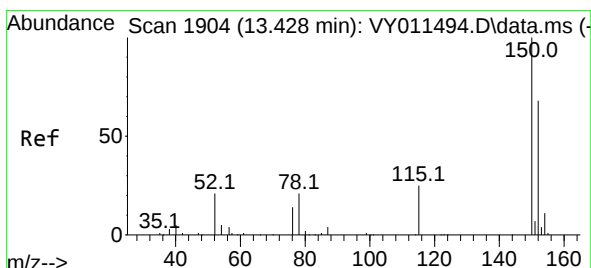
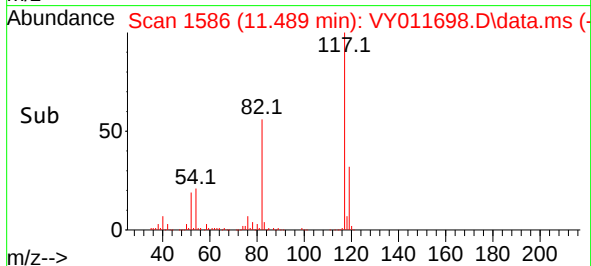
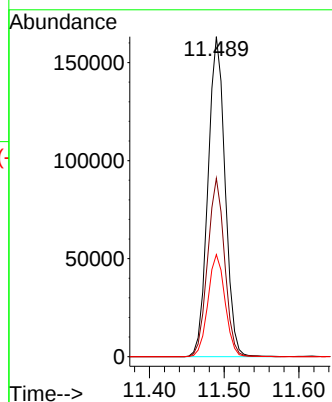
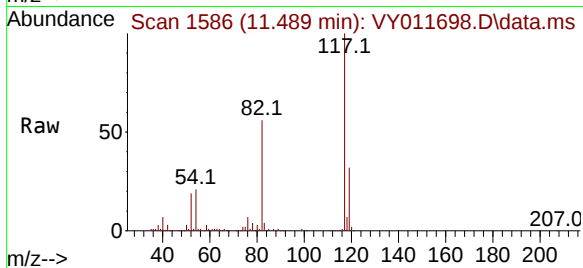
Tgt Ion:117 Resp: 259559

Ion Ratio Lower Upper

117 100

82 55.7 43.0 64.4

119 31.9 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: VY011698.D

Acq: 05 Dec 2022 15:52

Tgt Ion:152 Resp: 116365

Ion Ratio Lower Upper

152 100

115 58.2 28.2 84.7

150 157.1 0.0 347.6

