

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091823\
 Data File : VY015620.D
 Acq On : 18 Sep 2023 17:22
 Operator : SY/MD
 Sample : 04419-17
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-08(33-35)

Quant Time: Sep 19 02:05:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	157352	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	261732	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	230902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	102315	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	90184	53.465	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.920%
35) Dibromofluoromethane	7.722	113	81328	53.948	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.900%
50) Toluene-d8	10.179	98	304142	55.711	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	111.420%
62) 4-Bromofluorobenzene	12.483	95	98781	48.740	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.480%

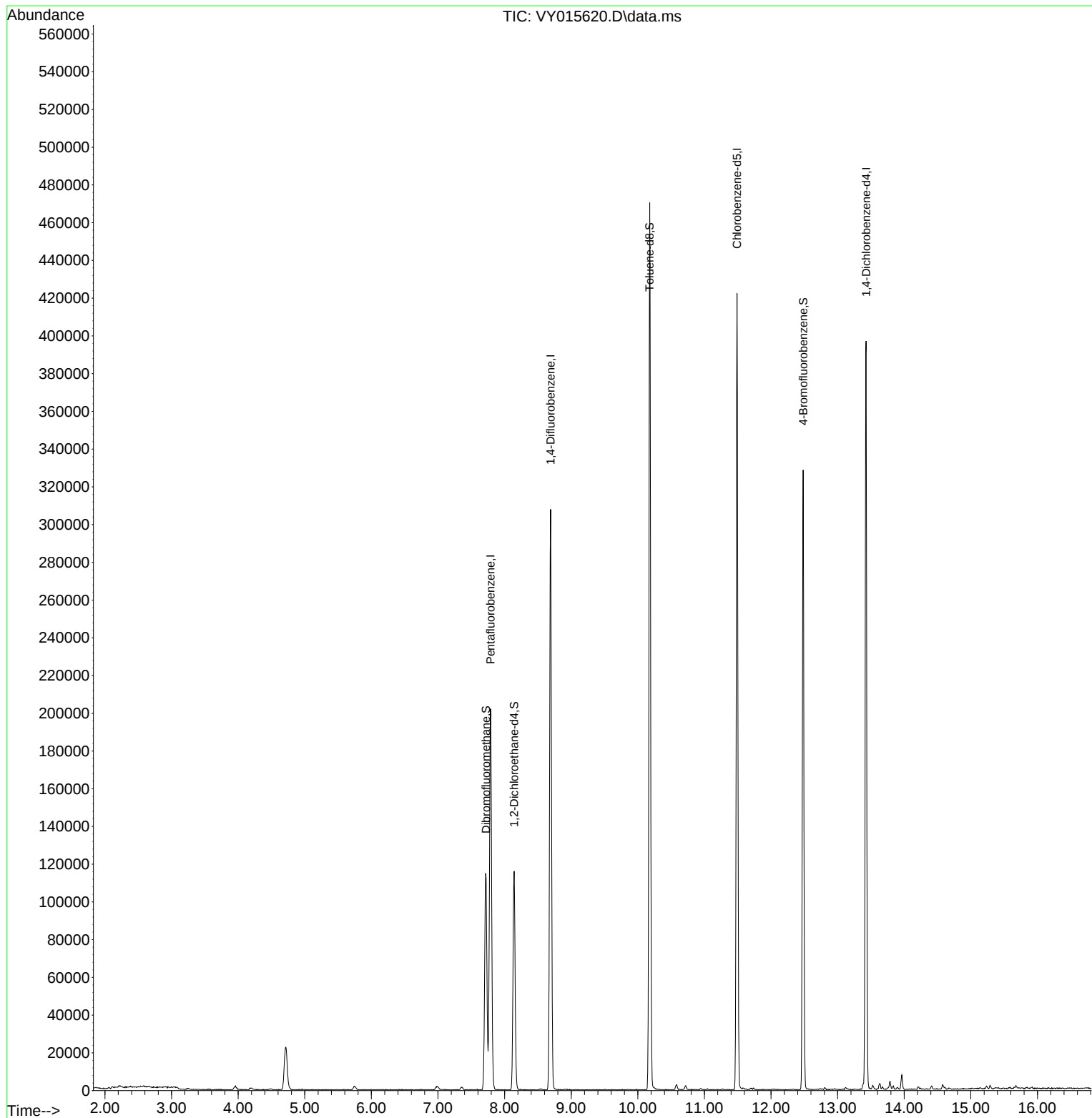
Target Compounds	Qvalue

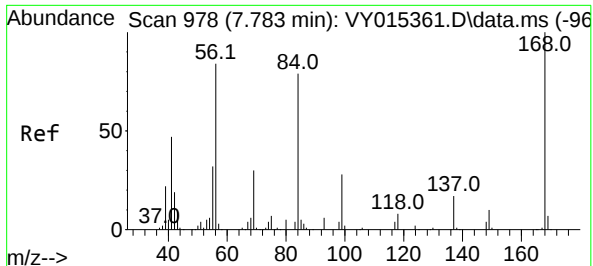
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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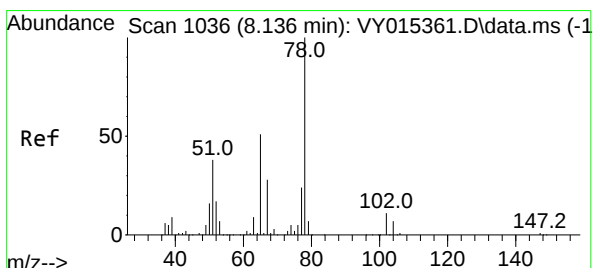
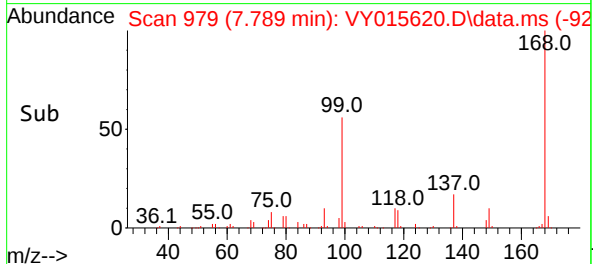
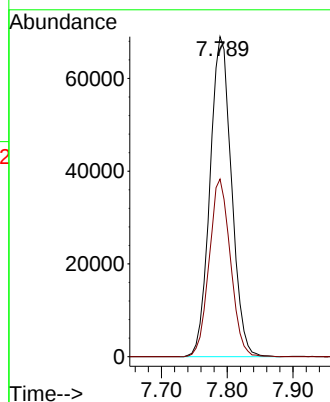
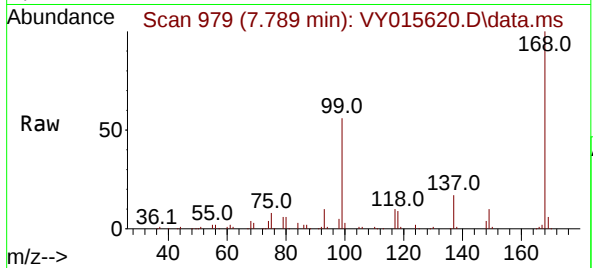




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015620.D
Acq: 18 Sep 2023 17:22

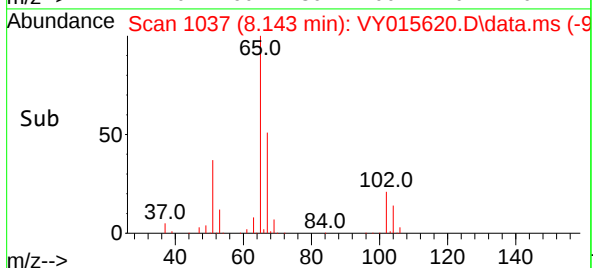
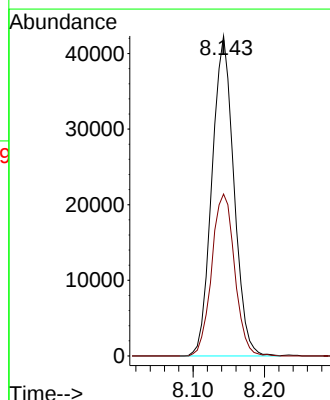
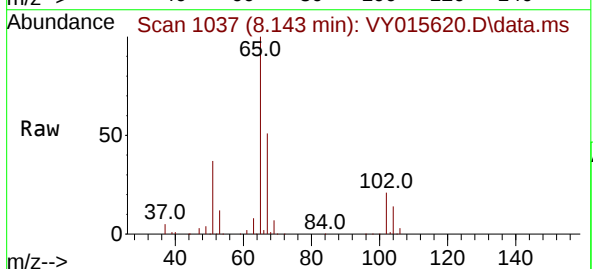
Instrument :
MSVOA_Y
ClientSampleId :
DB-08(33-35)

Tgt Ion:168 Resp: 157352
Ion Ratio Lower Upper
168 100
99 55.5 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 53.465 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015620.D
Acq: 18 Sep 2023 17:22

Tgt Ion: 65 Resp: 90184
Ion Ratio Lower Upper
65 100
67 52.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015620.D

Acq: 18 Sep 2023 17:22

Instrument :

MSVOA_Y

ClientSampleId :

DB-08(33-35)

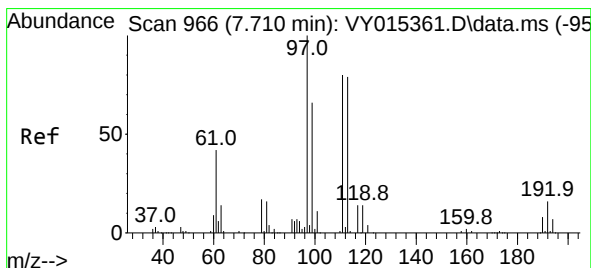
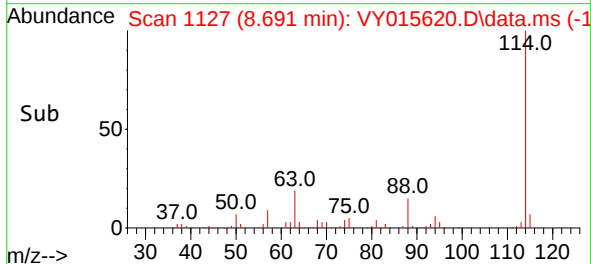
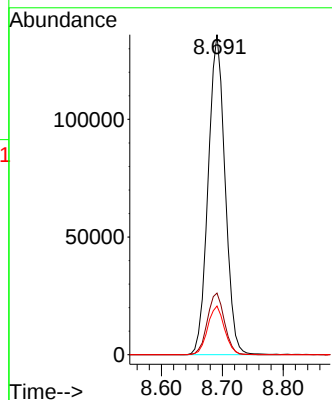
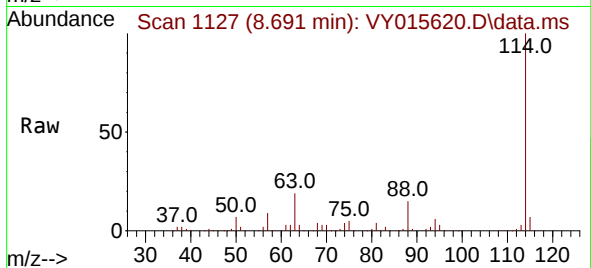
Tgt Ion:114 Resp: 261732

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.4

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.948 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY015620.D

Acq: 18 Sep 2023 17:22

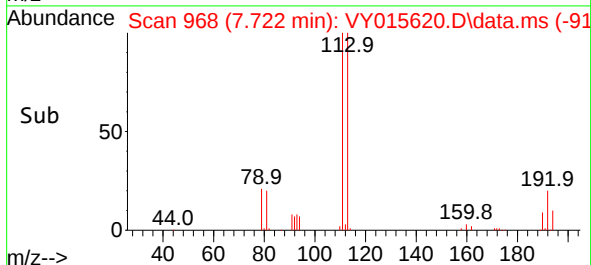
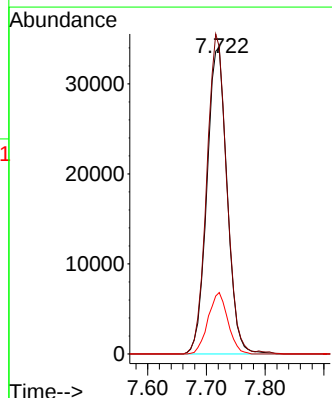
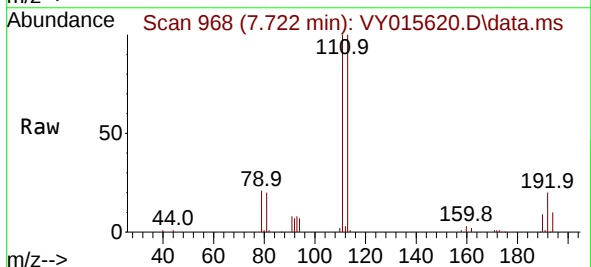
Tgt Ion:113 Resp: 81328

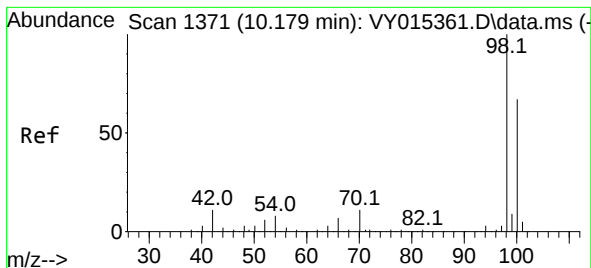
Ion Ratio Lower Upper

113 100

111 103.0 81.3 121.9

192 19.6 16.9 25.3





#50

Toluene-d8

Concen: 55.711 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY015620.D

Acq: 18 Sep 2023 17:22

Instrument :

MSVOA_Y

ClientSampleId :

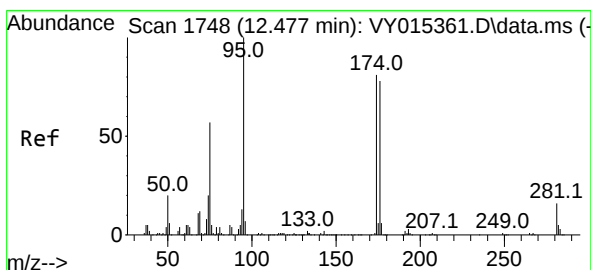
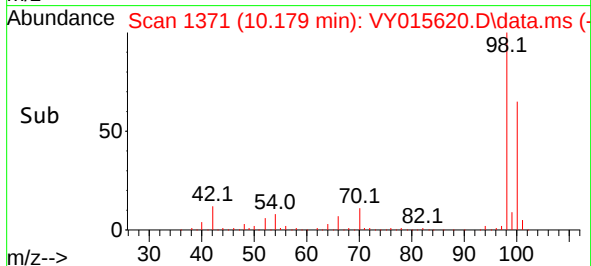
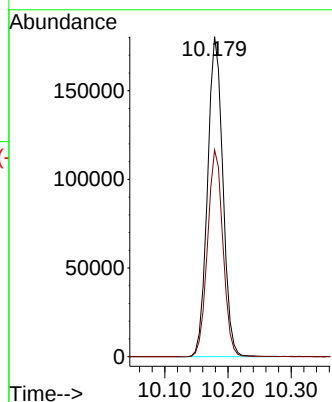
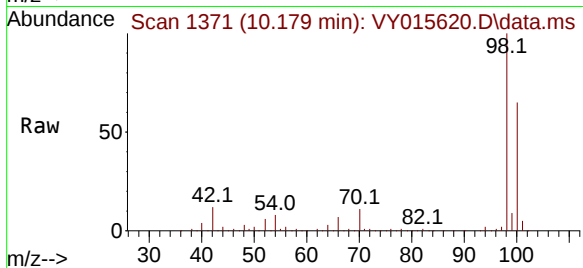
DB-08(33-35)

Tgt Ion: 98 Resp: 304142

Ion Ratio Lower Upper

98 100

100 64.9 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 48.740 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015620.D

Acq: 18 Sep 2023 17:22

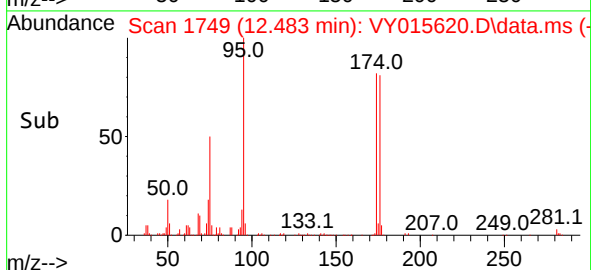
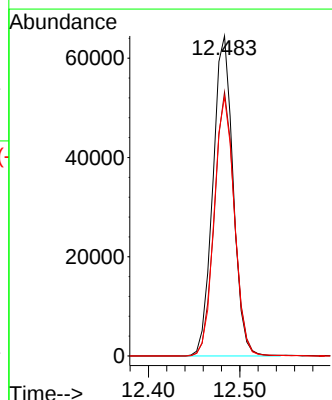
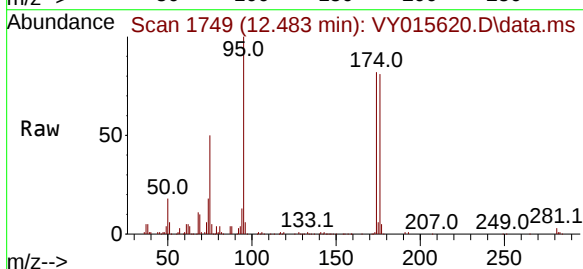
Tgt Ion: 95 Resp: 98781

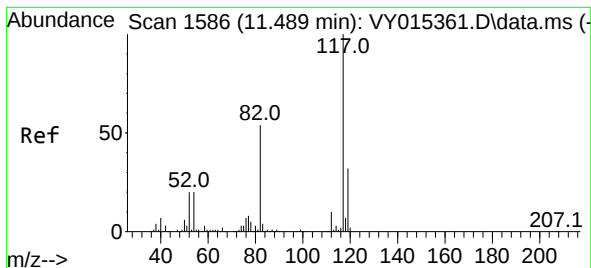
Ion Ratio Lower Upper

95 100

174 81.7 0.0 178.2

176 81.1 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015620.D

Acq: 18 Sep 2023 17:22

Instrument :

MSVOA_Y

ClientSampleId :

DB-08(33-35)

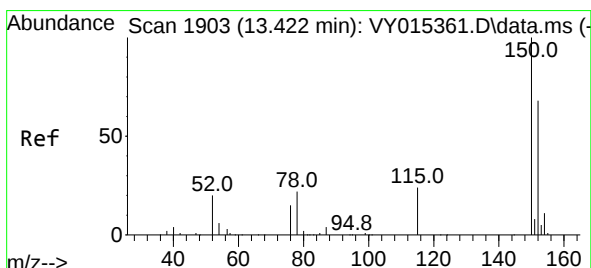
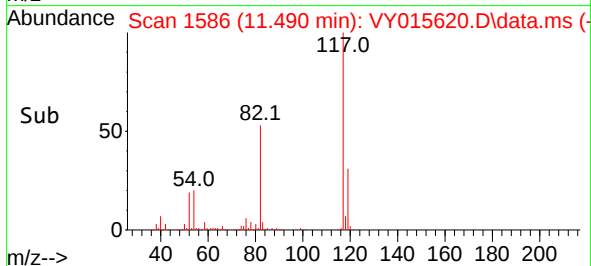
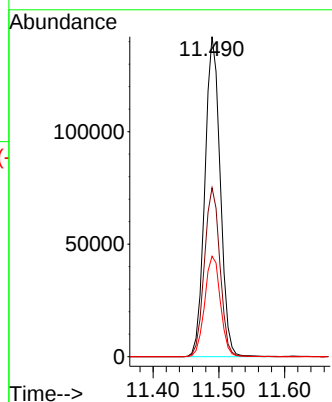
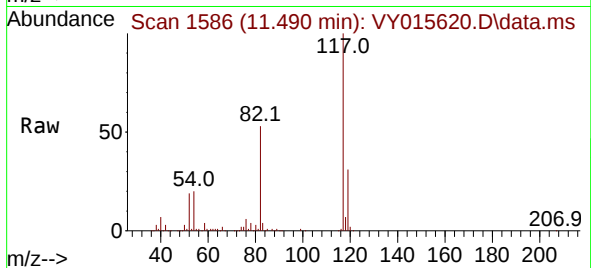
Tgt Ion:117 Resp: 230902

Ion Ratio Lower Upper

117 100

82 52.8 43.4 65.0

119 31.4 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015620.D

Acq: 18 Sep 2023 17:22

Tgt Ion:152 Resp: 102315

Ion Ratio Lower Upper

152 100

115 57.5 28.8 86.5

150 157.7 0.0 348.8

