

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012025\
 Data File : VY020884.D
 Acq On : 20 Jan 2025 16:33
 Operator : SY/MD
 Sample : Q1110-02
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BIN-1-VOC

Quant Time: Jan 21 00:43:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.720	168	313624	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	486172	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	387528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	164396	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	127580	47.860	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.720%
35) Dibromofluoromethane	7.640	113	145608	47.806	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.620%
50) Toluene-d8	10.115	98	523823	49.335	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.660%
62) 4-Bromofluorobenzene	12.414	95	155508	39.661	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	79.320%

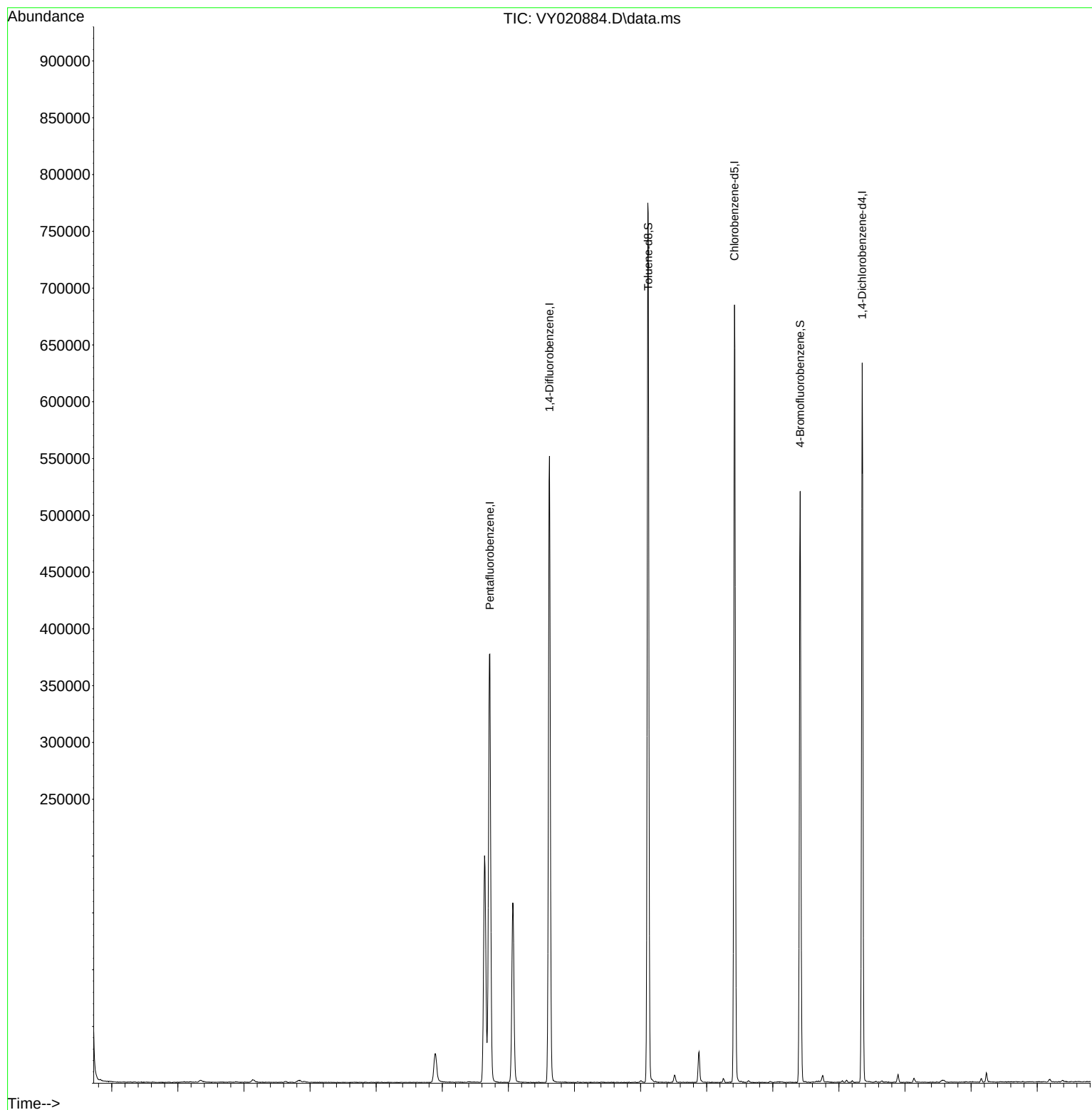
Target Compounds Qvalue

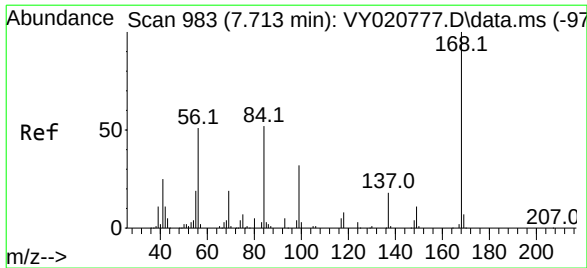
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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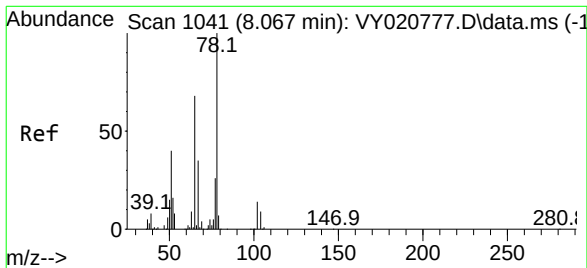
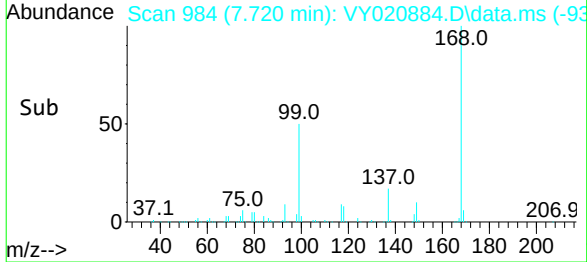
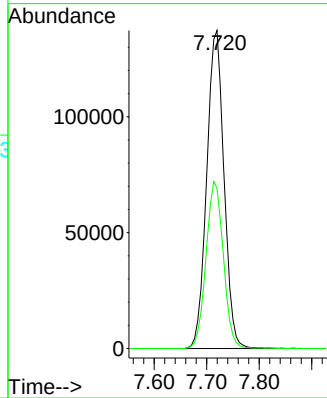
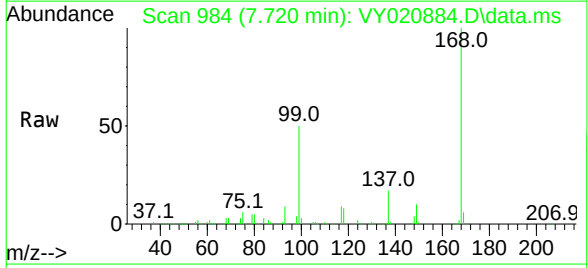




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 98
Delta R.T. 0.007 min
Lab File: VY020884.D
Acq: 20 Jan 2025 16:33

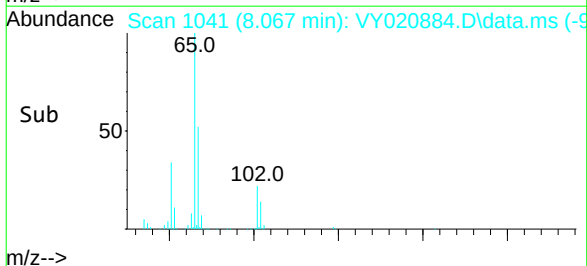
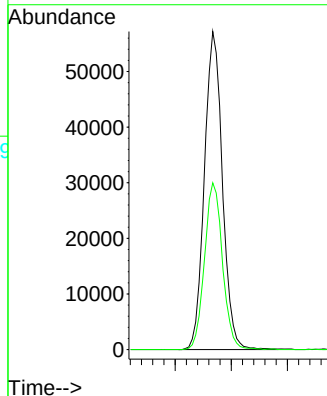
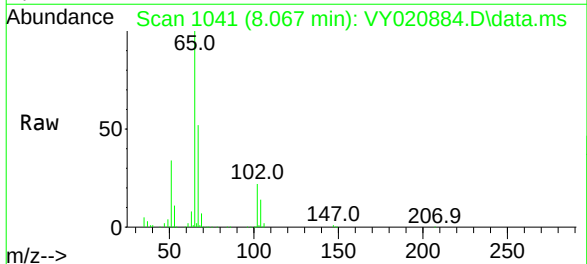
Instrument :
MSVOA_Y
ClientSampleId :
BIN-1-VOC

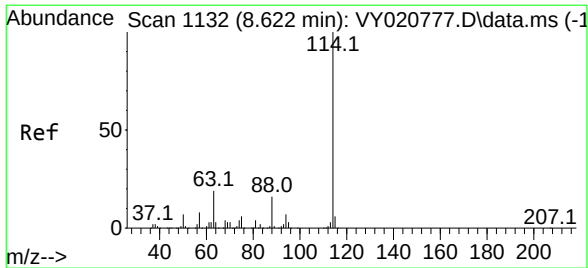
Tgt Ion:168 Resp: 313624
Ion Ratio Lower Upper
168 100
99 50.4 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 47.860 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY020884.D
Acq: 20 Jan 2025 16:33

Tgt Ion: 65 Resp: 127580
Ion Ratio Lower Upper
65 100
67 52.4 0.0 102.8

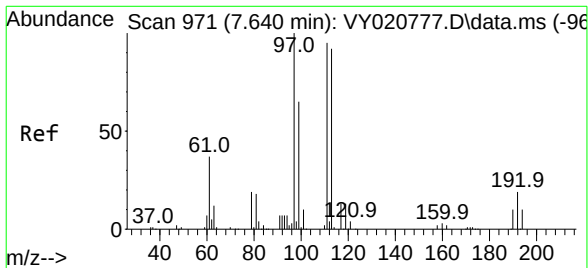
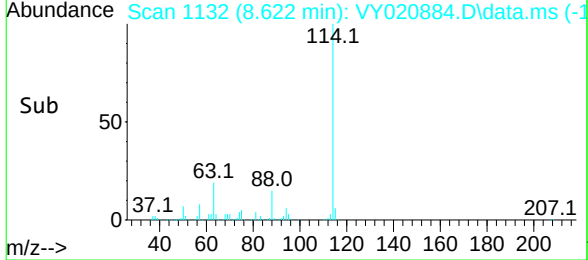
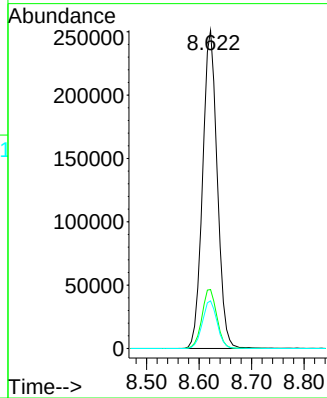
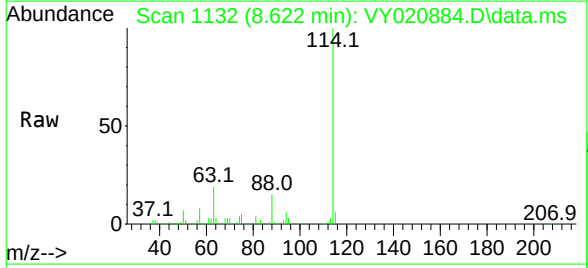




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020884.D
Acq: 20 Jan 2025 16:33

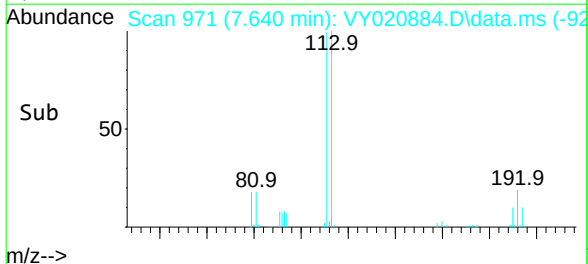
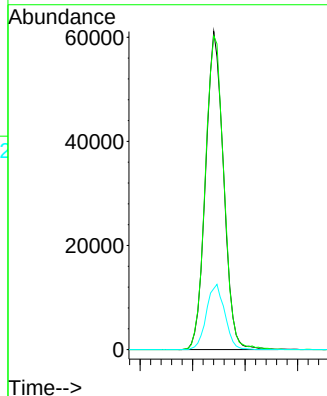
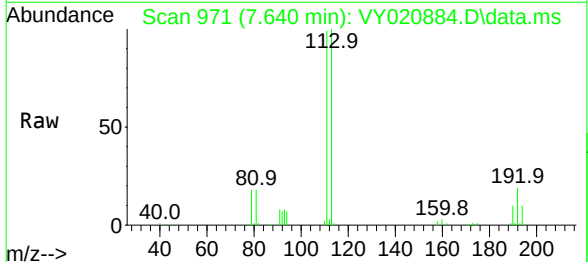
Instrument :
MSVOA_Y
ClientSampleId :
BIN-1-VOC

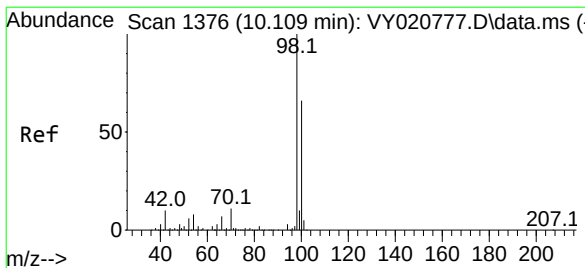
Tgt Ion:114 Resp: 486172
Ion Ratio Lower Upper
114 100
63 18.5 0.0 38.4
88 15.0 0.0 31.2



#35
Dibromofluoromethane
Concen: 47.806 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY020884.D
Acq: 20 Jan 2025 16:33

Tgt Ion:113 Resp: 145608
Ion Ratio Lower Upper
113 100
111 101.2 81.7 122.5
192 20.9 16.7 25.1





#50

Toluene-d8

Concen: 49.335 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY020884.D

Acq: 20 Jan 2025 16:33

Instrument :

MSVOA_Y

ClientSampleId :

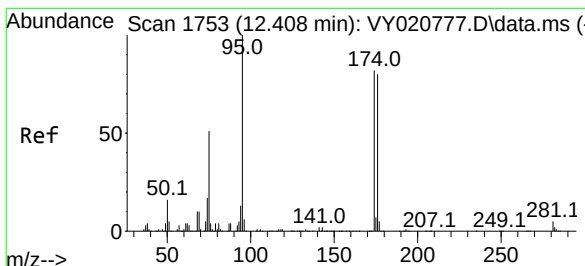
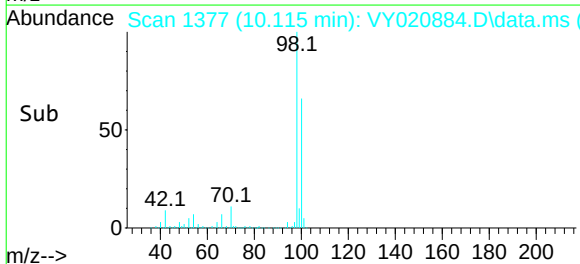
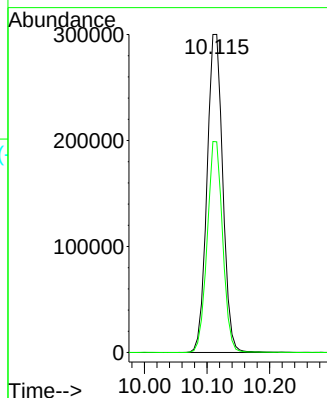
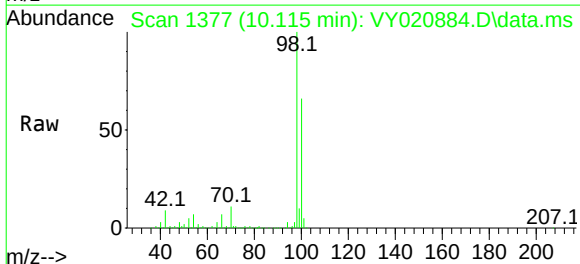
BIN-1-VOC

Tgt Ion: 98 Resp: 523823

Ion Ratio Lower Upper

98 100

100 65.3 52.5 78.7



#62

4-Bromofluorobenzene

Concen: 39.661 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.006 min

Lab File: VY020884.D

Acq: 20 Jan 2025 16:33

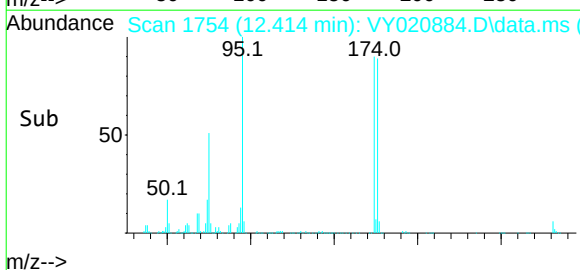
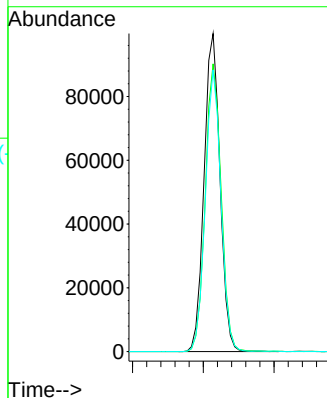
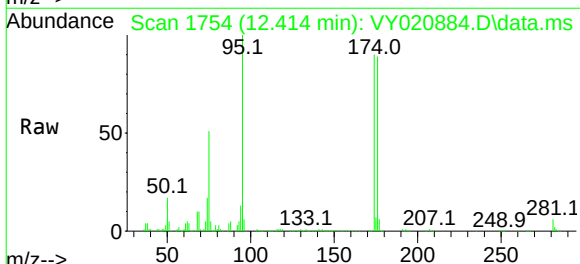
Tgt Ion: 95 Resp: 155508

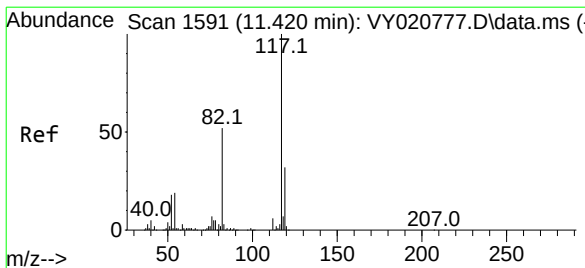
Ion Ratio Lower Upper

95 100

174 90.5 0.0 178.0

176 86.9 0.0 172.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY020884.D

Acq: 20 Jan 2025 16:33

Instrument :

MSVOA_Y

ClientSampleId :

BIN-1-VOC

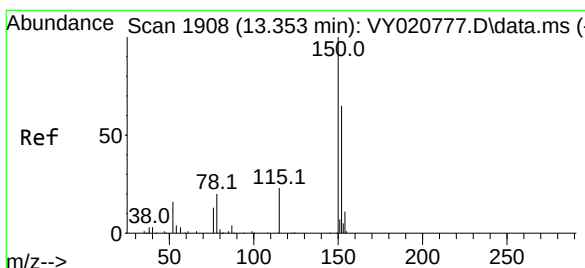
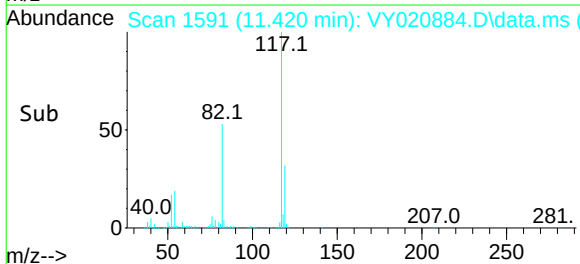
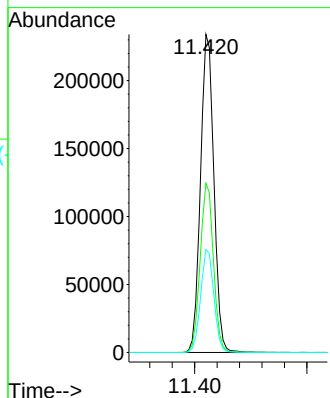
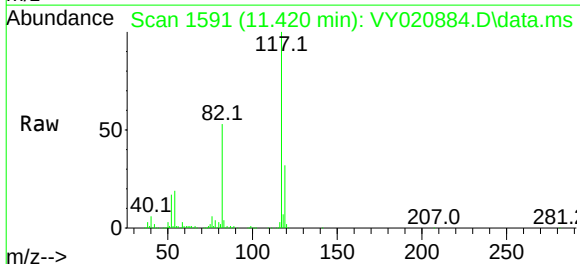
Tgt Ion:117 Resp: 387528

Ion Ratio Lower Upper

117 100

82 53.2 41.8 62.6

119 32.3 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY020884.D

Acq: 20 Jan 2025 16:33

Tgt Ion:152 Resp: 164396

Ion Ratio Lower Upper

152 100

115 56.4 29.0 87.0

150 156.0 0.0 347.4

