

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
 Data File : VY020712.D
 Acq On : 26 Dec 2024 12:13
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Dec 26 16:14:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 26 16:12:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	113454	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	161804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	134887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	66955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	52524	56.520	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.040%
35) Dibromofluoromethane	7.640	113	45996	51.609	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.220%
50) Toluene-d8	10.115	98	179451	50.612	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.220%
62) 4-Bromofluorobenzene	12.414	95	58916	49.742	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	99.480%

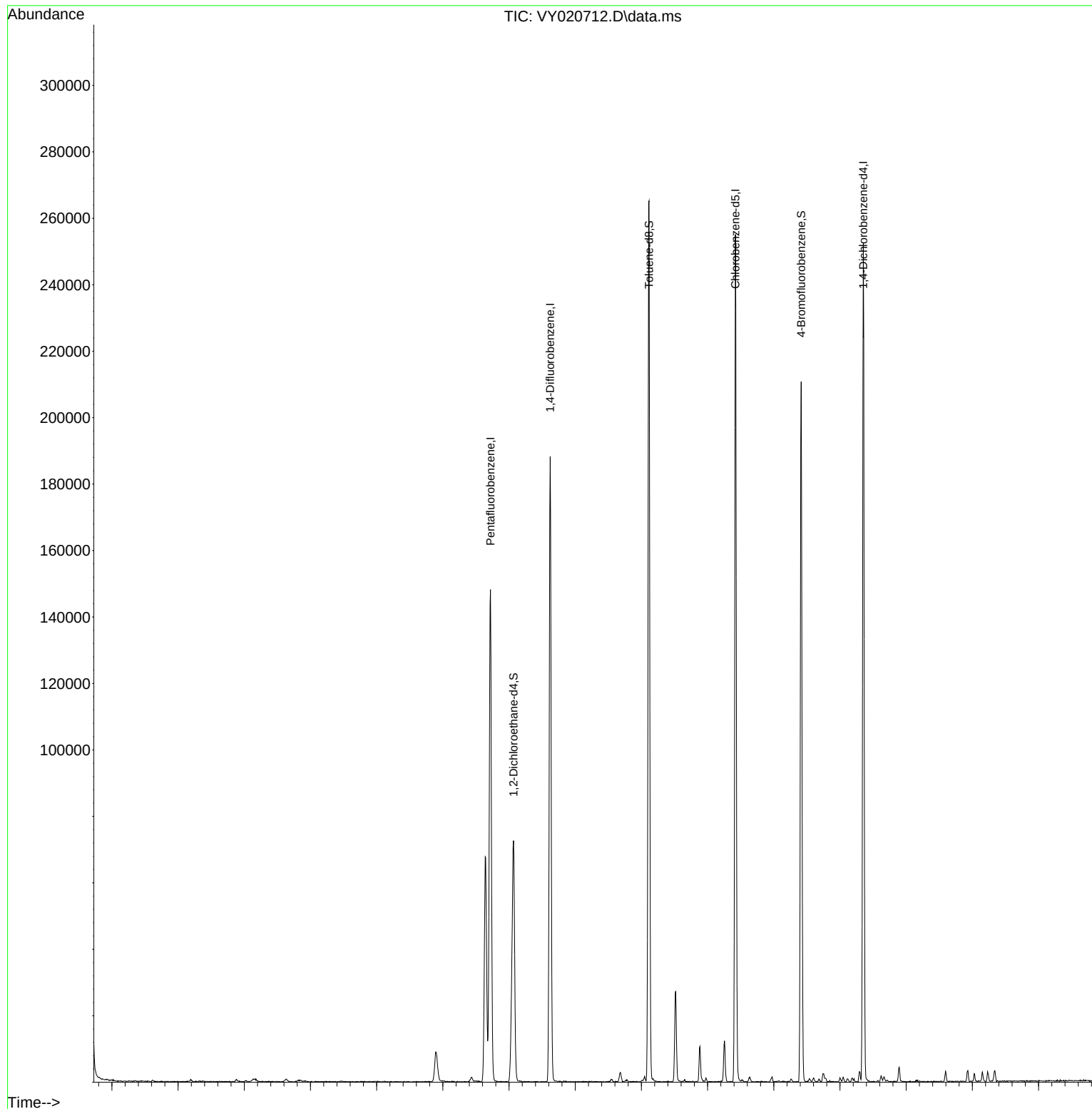
Target Compounds Qvalue

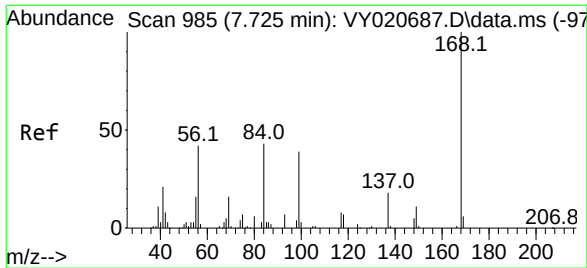
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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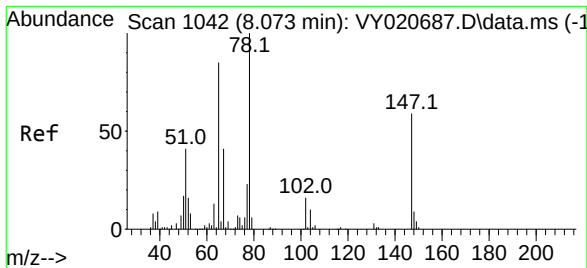
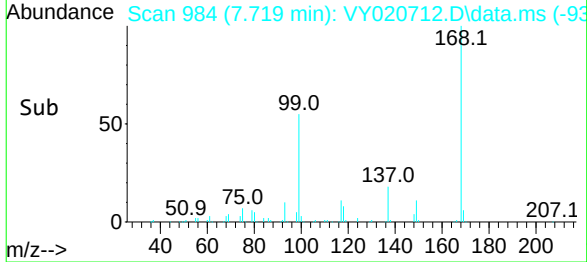
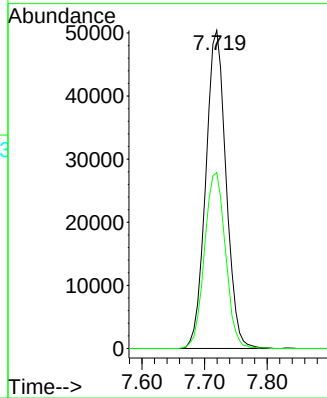
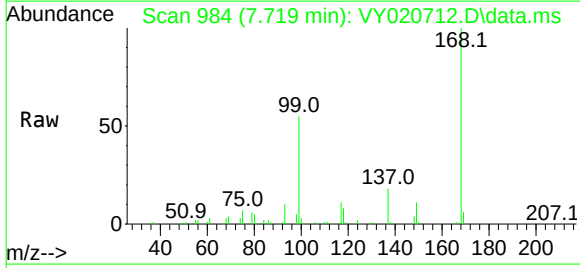




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020712.D
Acq: 26 Dec 2024 12:13

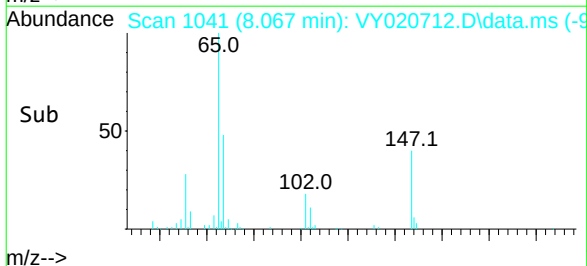
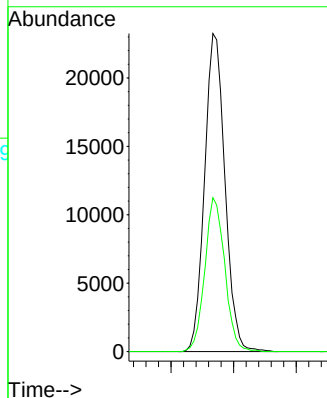
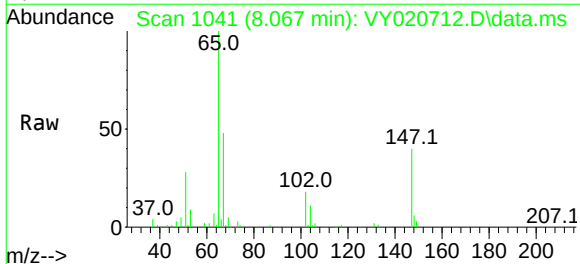
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

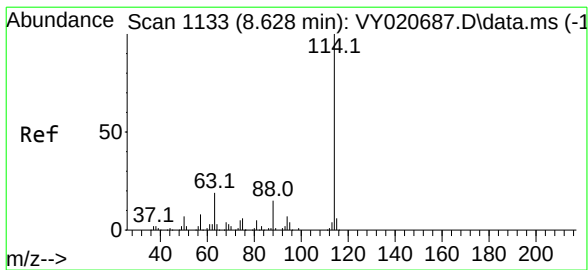
Tgt Ion:168 Resp: 113454
Ion Ratio Lower Upper
168 100
99 55.3 43.8 65.6



#33
1,2-Dichloroethane-d4
Concen: 56.520 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VY020712.D
Acq: 26 Dec 2024 12:13

Tgt Ion: 65 Resp: 52524
Ion Ratio Lower Upper
65 100
67 47.5 0.0 98.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY020712.D

Acq: 26 Dec 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

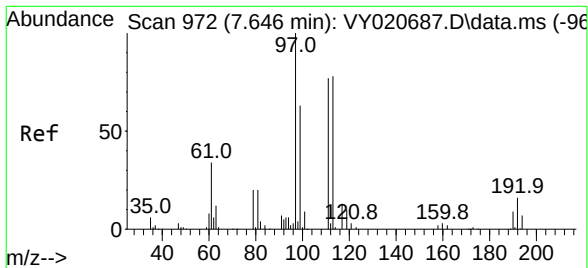
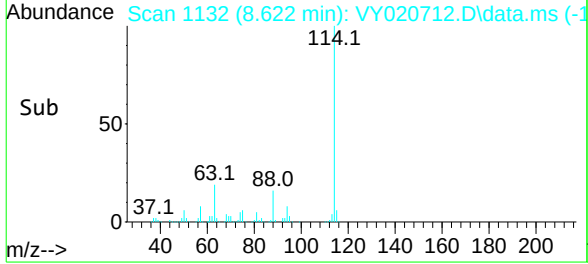
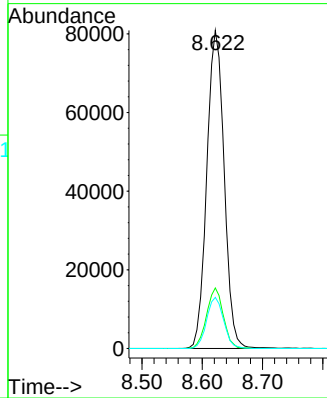
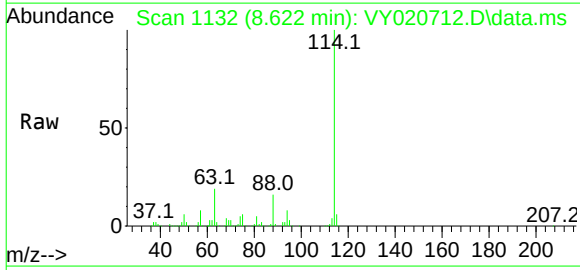
Tgt Ion:114 Resp: 161804

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.4

88 16.1 0.0 30.4



#35

Dibromofluoromethane

Concen: 51.609 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.006 min

Lab File: VY020712.D

Acq: 26 Dec 2024 12:13

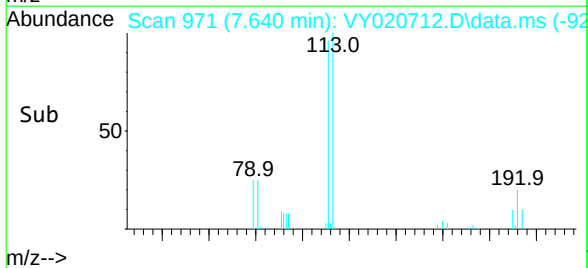
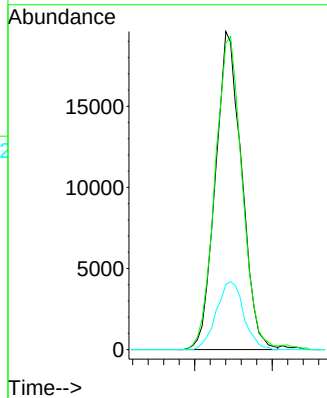
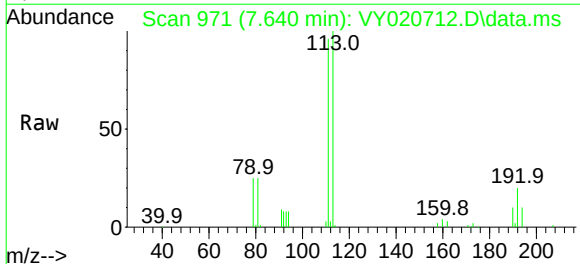
Tgt Ion:113 Resp: 45996

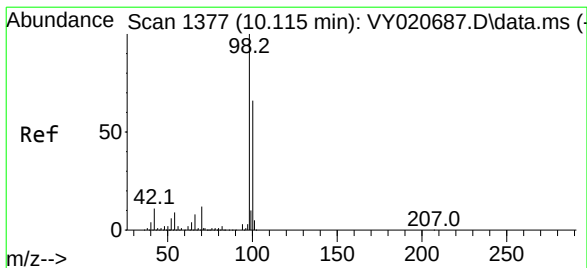
Ion Ratio Lower Upper

113 100

111 101.6 79.8 119.8

192 22.2 17.0 25.6





#50

Toluene-d8

Concen: 50.612 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.000 min

Lab File: VY020712.D

Acq: 26 Dec 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

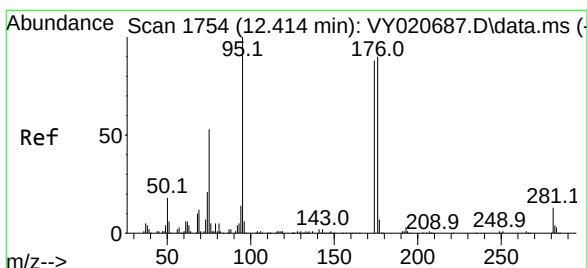
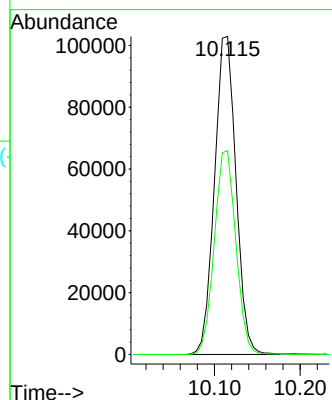
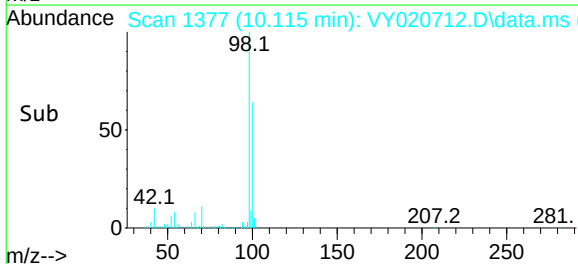
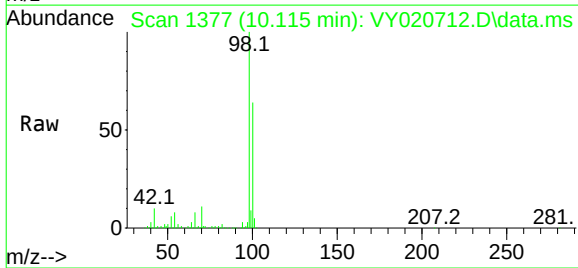
VIBLK

Tgt Ion: 98 Resp: 179451

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 49.742 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.000 min

Lab File: VY020712.D

Acq: 26 Dec 2024 12:13

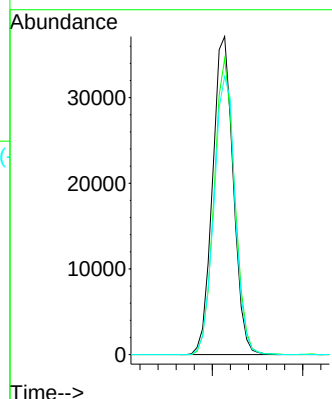
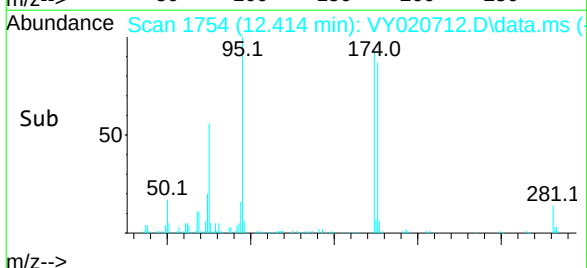
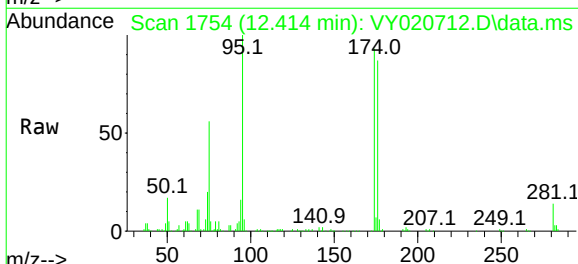
Tgt Ion: 95 Resp: 58916

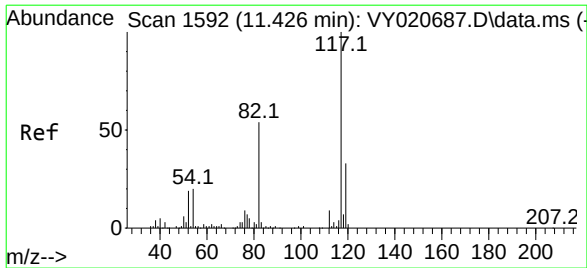
Ion Ratio Lower Upper

95 100

174 92.9 0.0 179.2

176 89.6 0.0 179.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1592

Delta R.T. -0.006 min

Lab File: VY020712.D

Acq: 26 Dec 2024 12:13

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

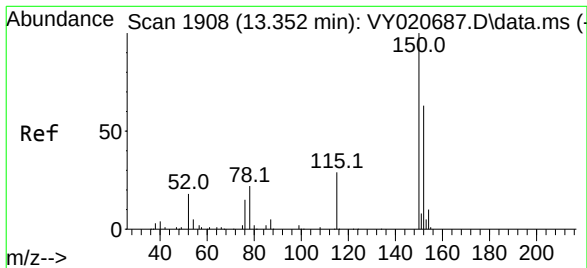
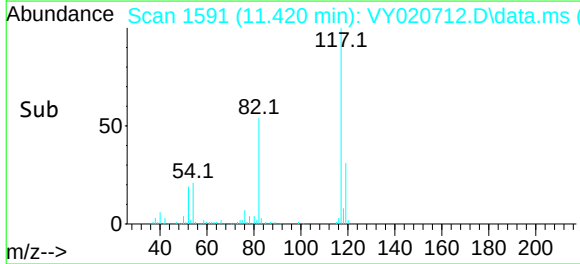
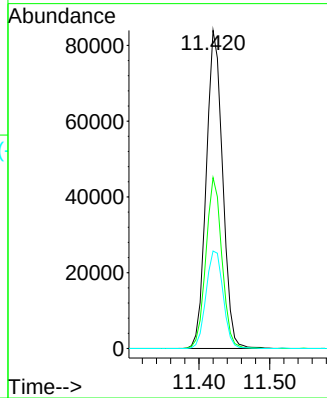
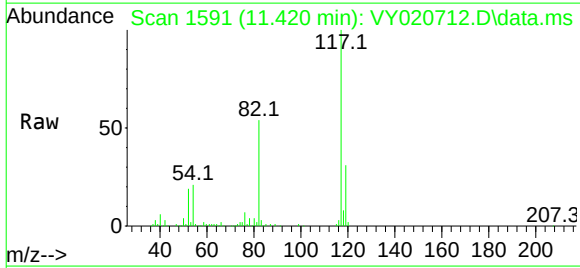
Tgt Ion:117 Resp: 134887

Ion Ratio Lower Upper

117 100

82 53.7 43.4 65.2

119 30.6 26.6 39.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY020712.D

Acq: 26 Dec 2024 12:13

Tgt Ion:152 Resp: 66955

Ion Ratio Lower Upper

152 100

115 58.2 30.3 90.9

150 156.2 0.0 349.0

