

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041725\
 Data File : VY021910.D
 Acq On : 17 Apr 2025 14:52
 Operator : SY/MD
 Sample : Q1825-07
 Misc : 3.76g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-11

Quant Time: Apr 18 03:59:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	233991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	427743	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	369550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	146015	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	120809	47.652	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.300%
35) Dibromofluoromethane	7.634	113	140779	50.737	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.480%
50) Toluene-d8	10.103	98	516309	48.912	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.820%
62) 4-Bromofluorobenzene	12.408	95	153409	42.966	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.940%

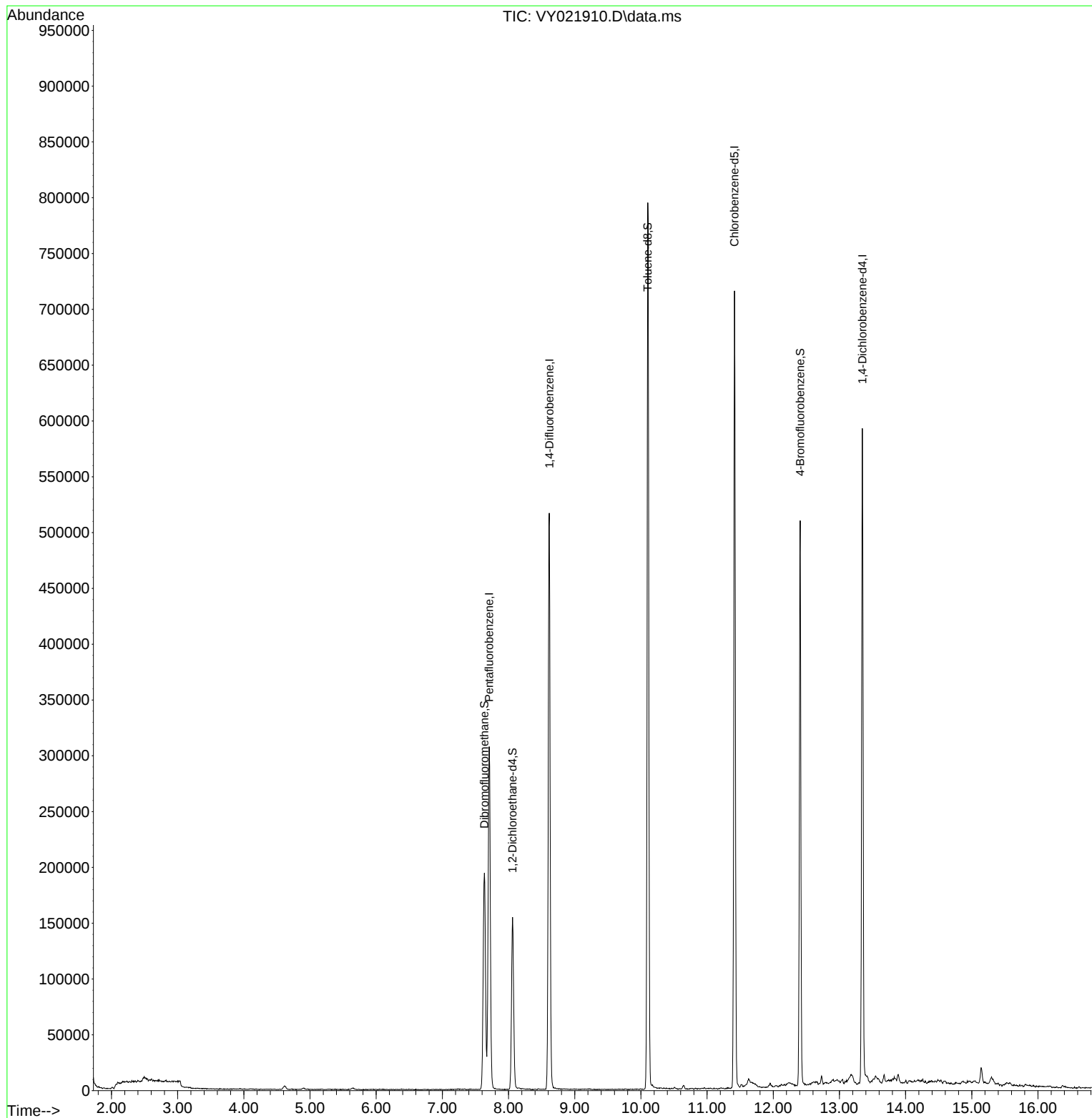
Target Compounds	Qvalue

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

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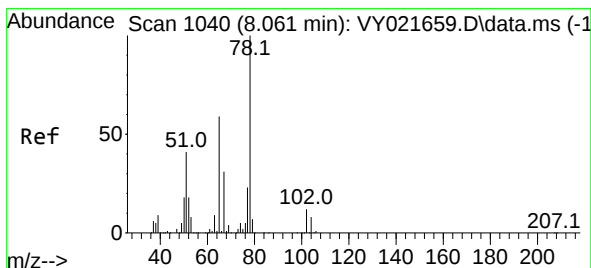
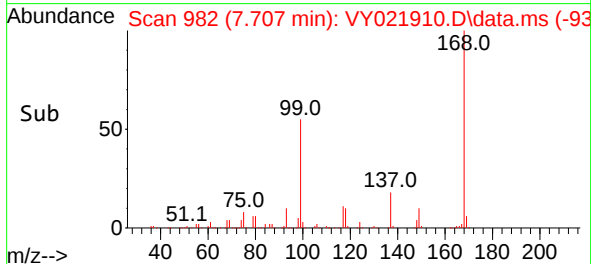
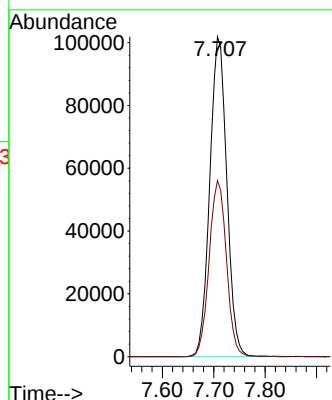
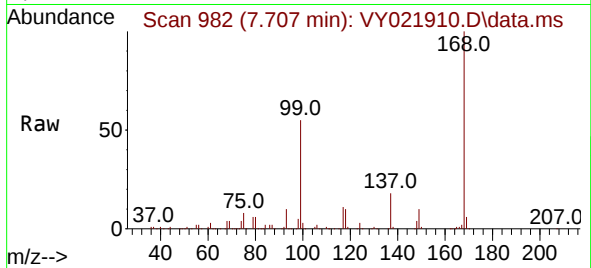




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021910.D
Acq: 17 Apr 2025 14:52

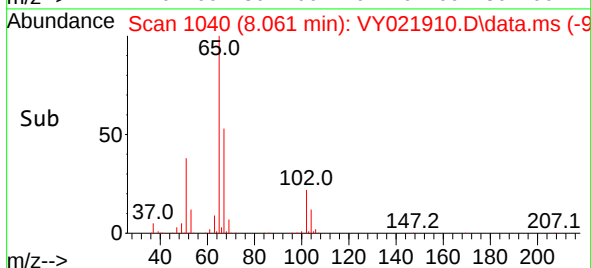
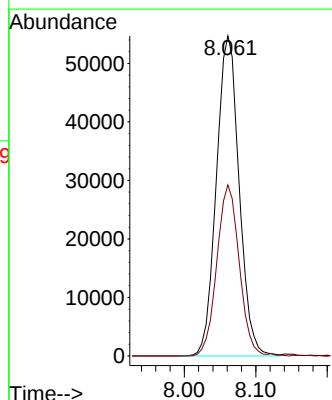
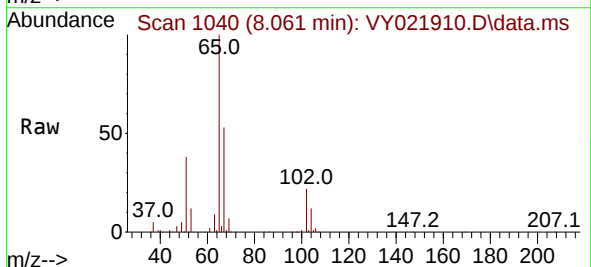
Instrument :
MSVOA_Y
ClientSampleId :
TP-11

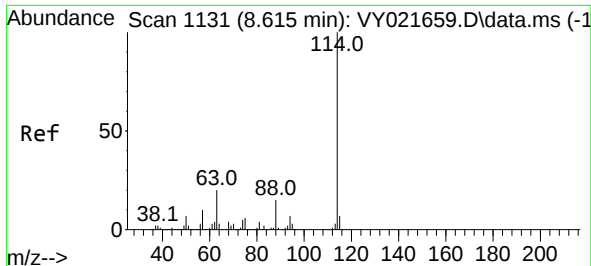
Tgt Ion:168 Resp: 233991
Ion Ratio Lower Upper
168 100
99 55.0 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 47.652 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021910.D
Acq: 17 Apr 2025 14:52

Tgt Ion: 65 Resp: 120809
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021910.D

Acq: 17 Apr 2025 14:52

Instrument :

MSVOA_Y

ClientSampleId :

TP-11

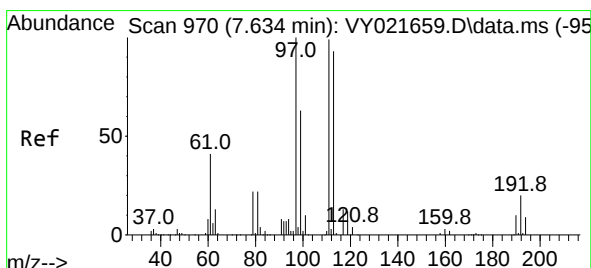
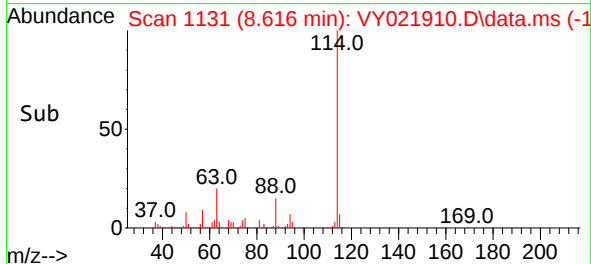
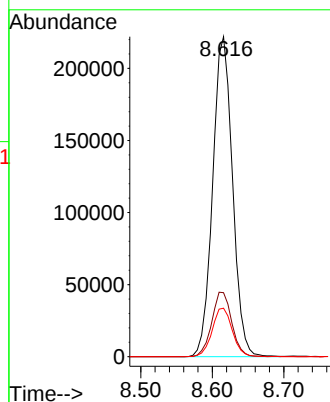
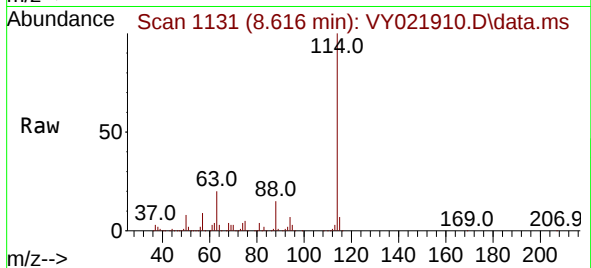
Tgt Ion:114 Resp: 427743

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.2

88 15.1 0.0 29.8



#35

Dibromofluoromethane

Concen: 50.737 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021910.D

Acq: 17 Apr 2025 14:52

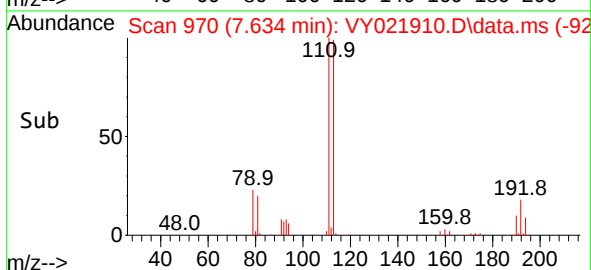
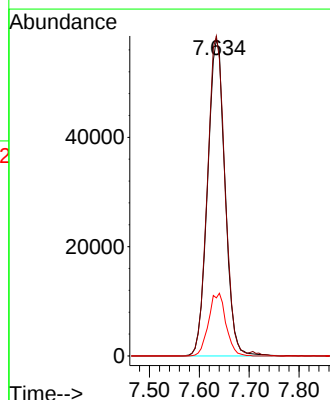
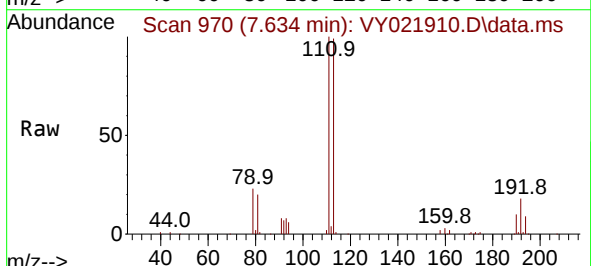
Tgt Ion:113 Resp: 140779

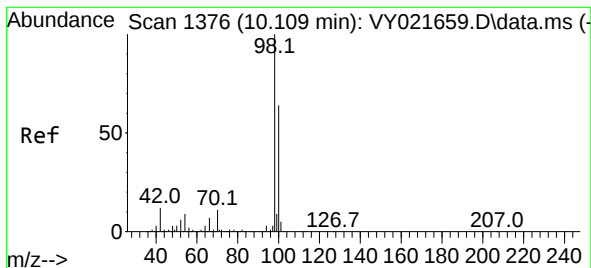
Ion Ratio Lower Upper

113 100

111 100.9 82.6 123.8

192 19.8 16.2 24.4





#50

Toluene-d8

Concen: 48.912 ug/l

RT: 10.103 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY021910.D

Acq: 17 Apr 2025 14:52

Instrument :

MSVOA_Y

ClientSampleId :

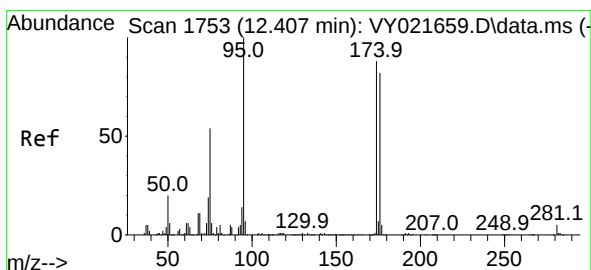
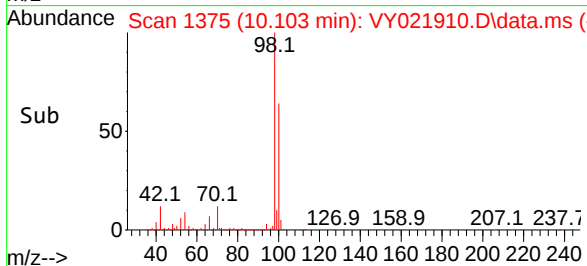
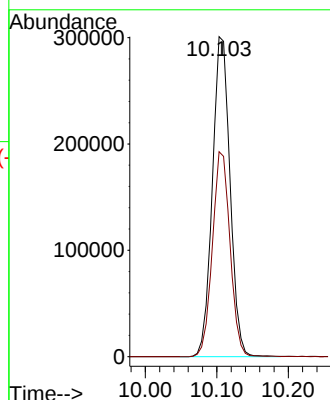
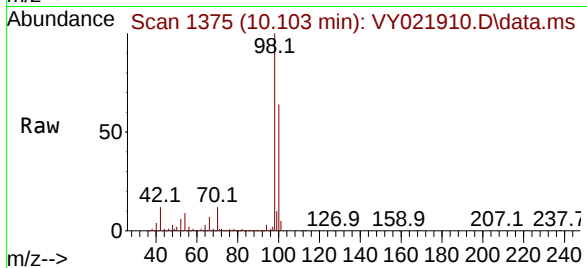
TP-11

Tgt Ion: 98 Resp: 516309

Ion Ratio Lower Upper

98 100

100 64.1 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 42.966 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021910.D

Acq: 17 Apr 2025 14:52

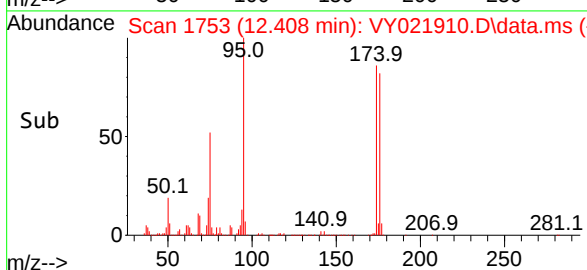
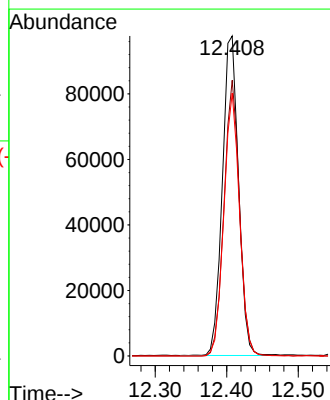
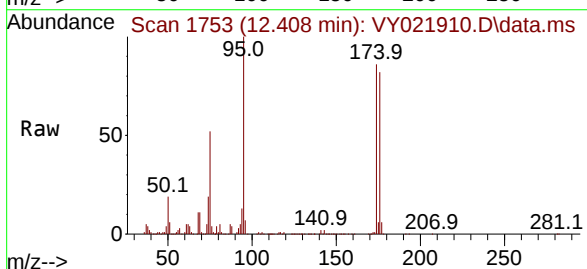
Tgt Ion: 95 Resp: 153409

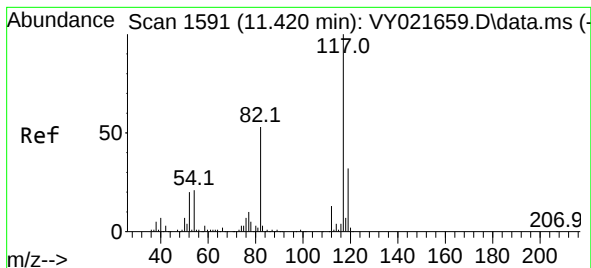
Ion Ratio Lower Upper

95 100

174 83.1 0.0 170.8

176 79.6 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021910.D

Acq: 17 Apr 2025 14:52

Instrument :

MSVOA_Y

ClientSampleId :

TP-11

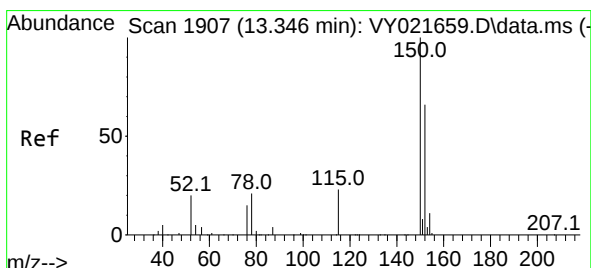
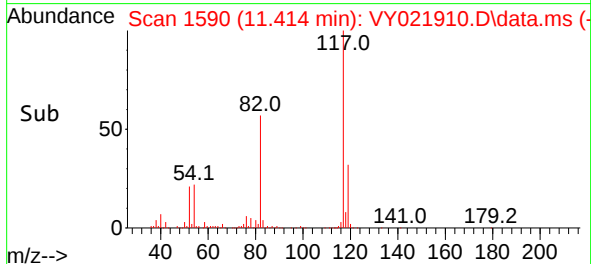
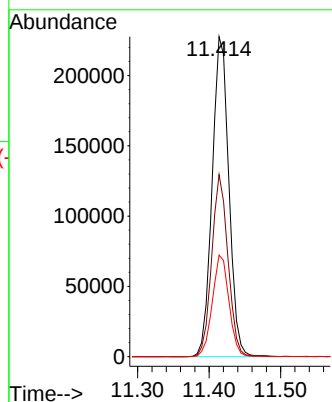
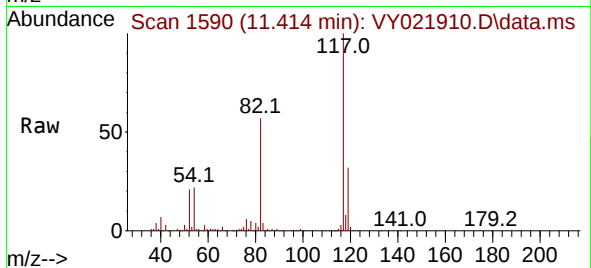
Tgt Ion:117 Resp: 369550

Ion Ratio Lower Upper

117 100

82 56.9 42.8 64.2

119 31.8 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021910.D

Acq: 17 Apr 2025 14:52

Tgt Ion:152 Resp: 146015

Ion Ratio Lower Upper

152 100

115 57.1 28.8 86.5

150 155.0 0.0 348.4

