

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051325\
 Data File : VY022250.D
 Acq On : 13 May 2025 17:50
 Operator : SY/MD
 Sample : Q2007-32
 Misc : 5.47g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-15

Quant Time: May 14 04:37:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	211472	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	380864	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	331186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	141836	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	107199	54.880	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.760%
35) Dibromofluoromethane	7.634	113	122059	48.509	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.020%
50) Toluene-d8	10.103	98	431245	45.461	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.920%
62) 4-Bromofluorobenzene	12.408	95	115548	36.184	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.360%

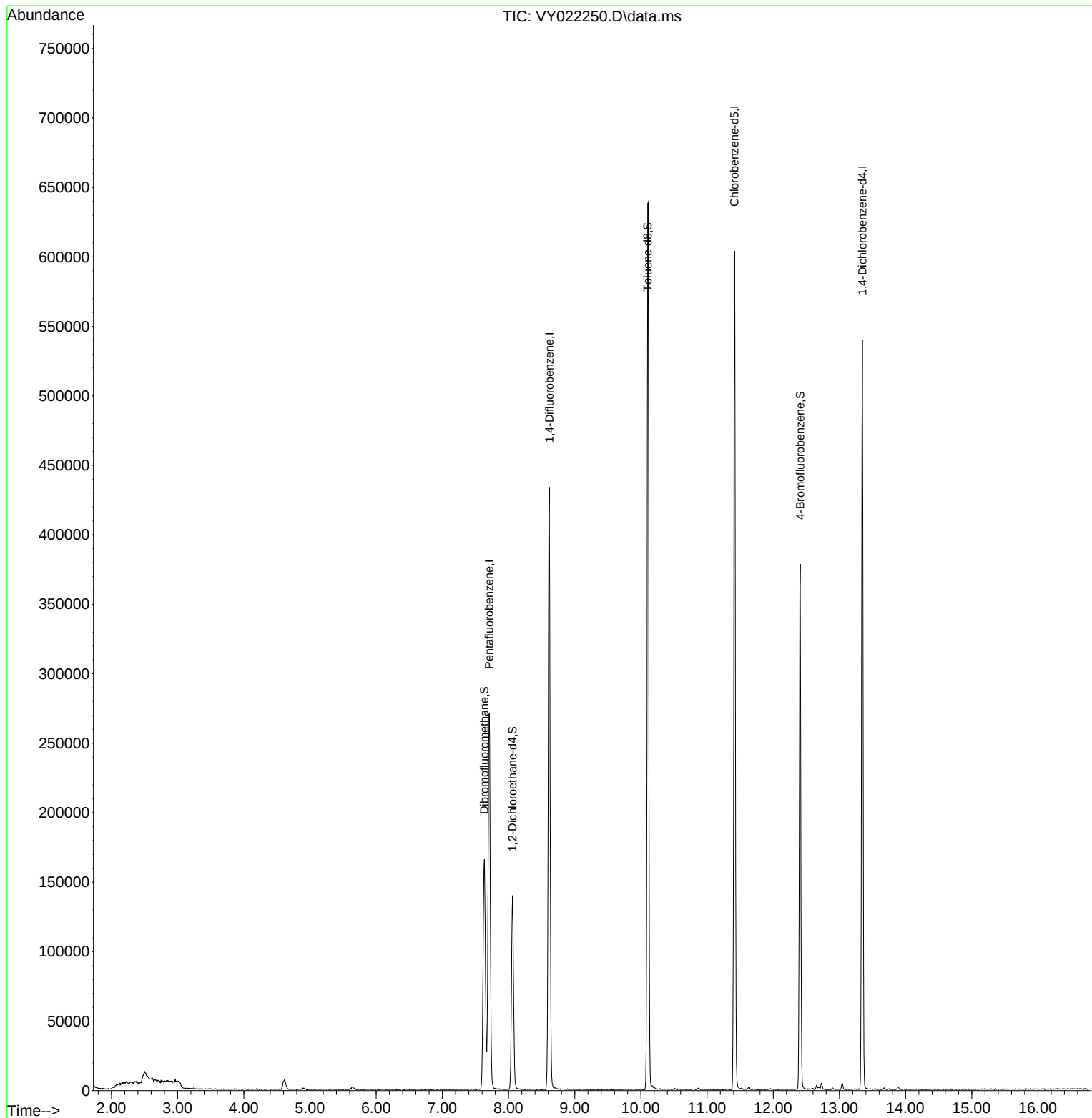
Target Compounds	Qvalue

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

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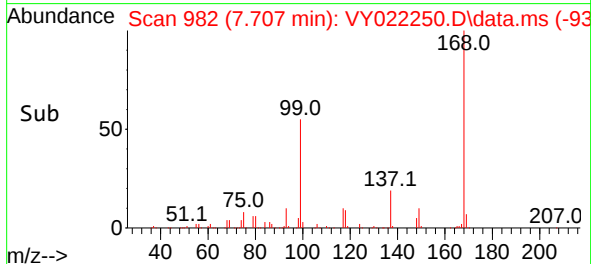
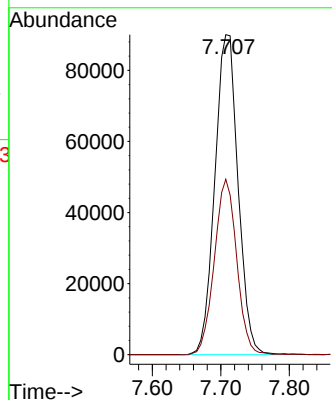
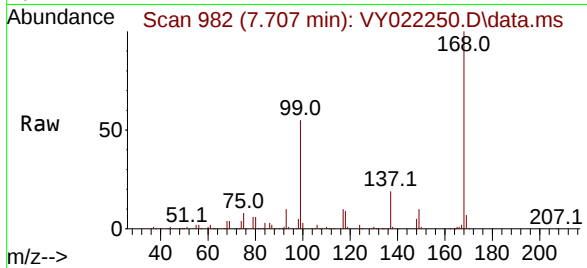




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022250.D
Acq: 13 May 2025 17:50

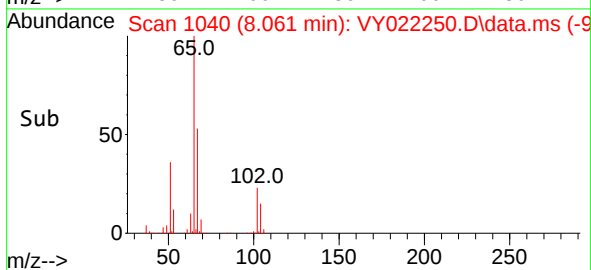
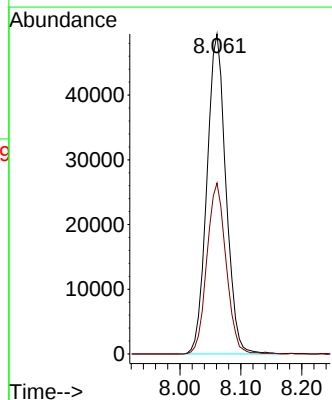
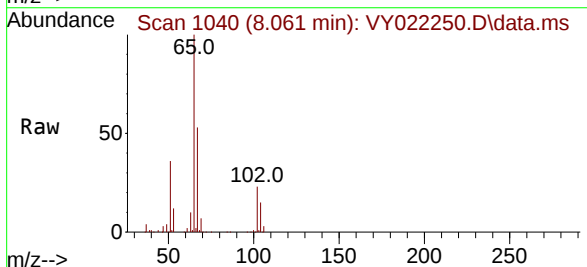
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-15

Tgt Ion:168 Resp: 211472
Ion Ratio Lower Upper
168 100
99 54.8 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 54.880 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022250.D
Acq: 13 May 2025 17:50

Tgt Ion: 65 Resp: 107199
Ion Ratio Lower Upper
65 100
67 53.9 0.0 105.8

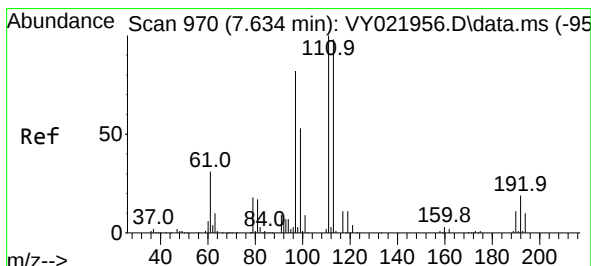
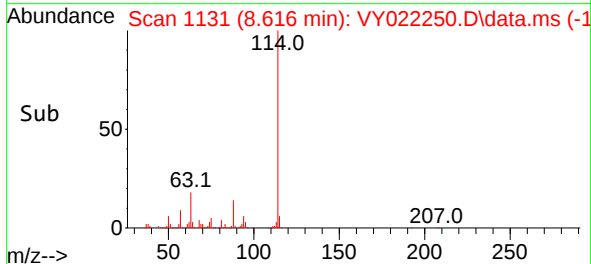
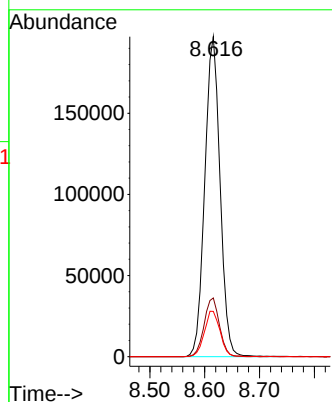
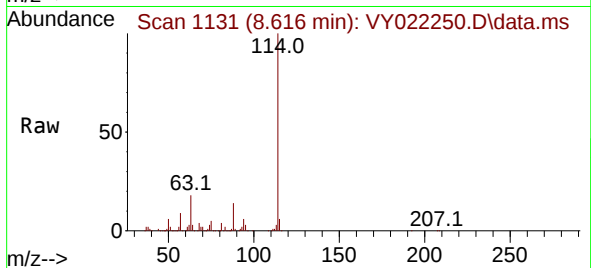




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022250.D
Acq: 13 May 2025 17:50

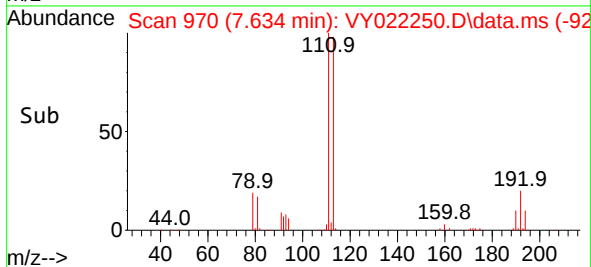
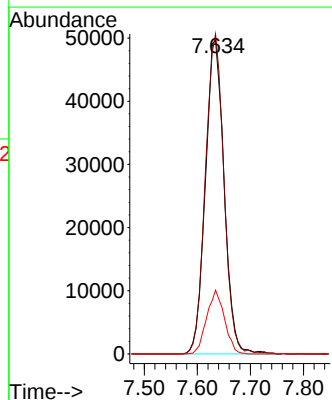
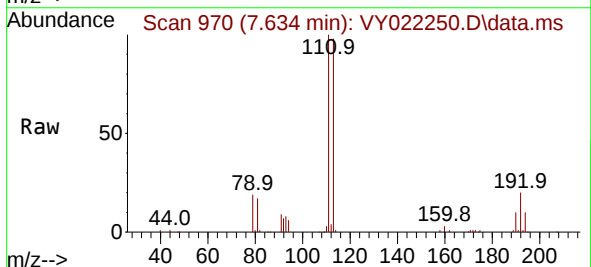
Instrument :
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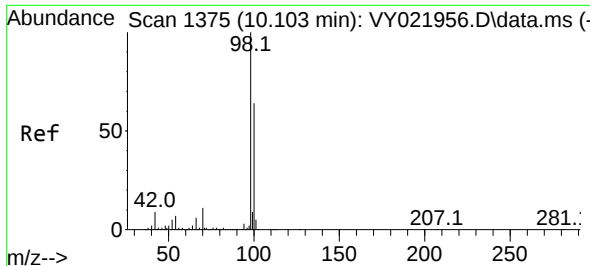
Tgt Ion:114 Resp: 380864
Ion Ratio Lower Upper
114 100
63 18.3 0.0 35.4
88 14.1 0.0 28.2



#35
Dibromofluoromethane
Concen: 48.509 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022250.D
Acq: 13 May 2025 17:50

Tgt Ion:113 Resp: 122059
Ion Ratio Lower Upper
113 100
111 100.5 81.8 122.8
192 19.3 15.6 23.4

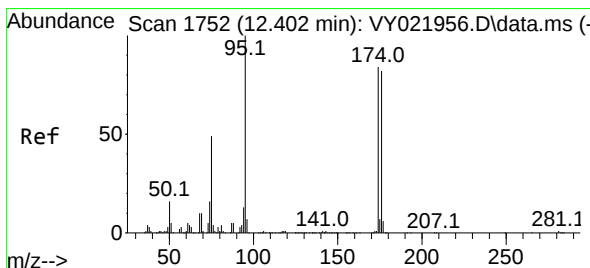
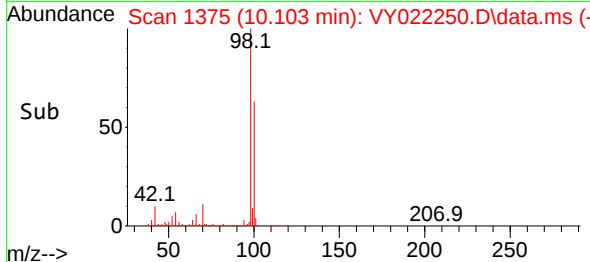
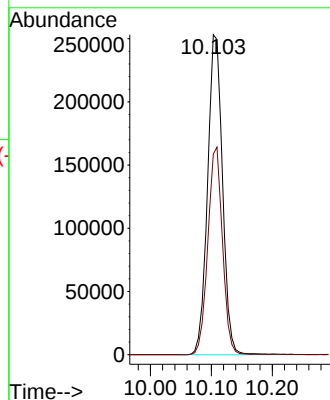
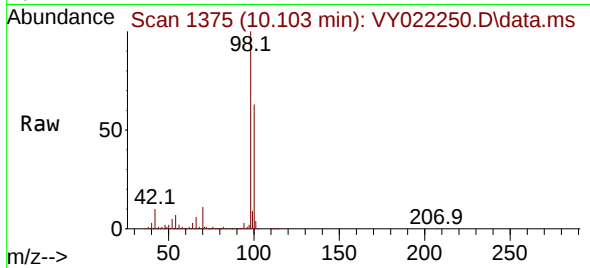




#50
Toluene-d8
Concen: 45.461 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022250.D
Acq: 13 May 2025 17:50

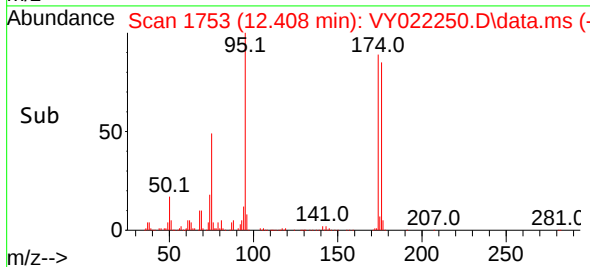
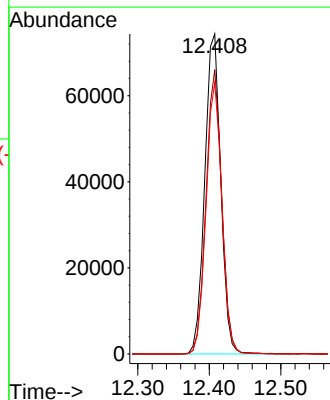
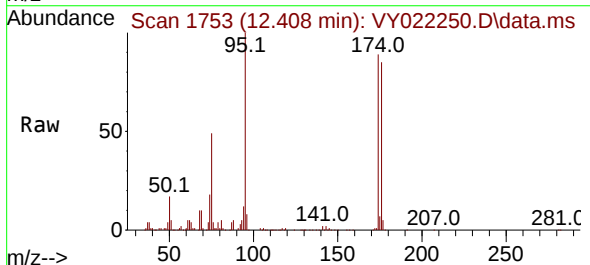
Instrument :
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OR-636-VOC-15

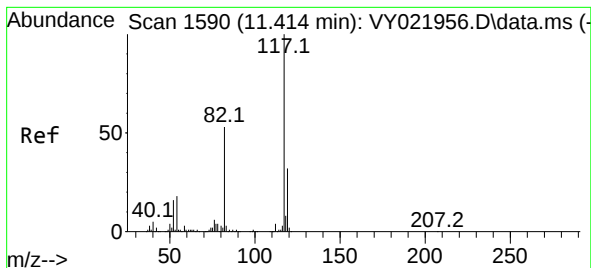
Tgt Ion: 98 Resp: 431245
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 36.184 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022250.D
Acq: 13 May 2025 17:50

Tgt Ion: 95 Resp: 115548
Ion Ratio Lower Upper
95 100
174 87.8 0.0 179.0
176 84.0 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022250.D

Acq: 13 May 2025 17:50

Instrument :

MSVOA_Y

ClientSampleId :

OR-636-VOC-15

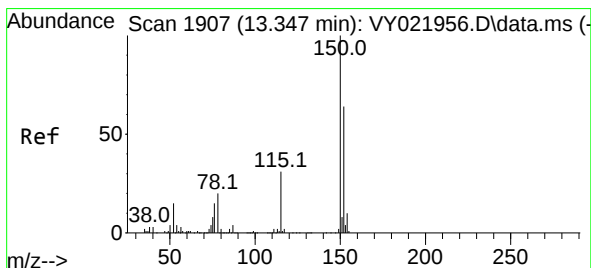
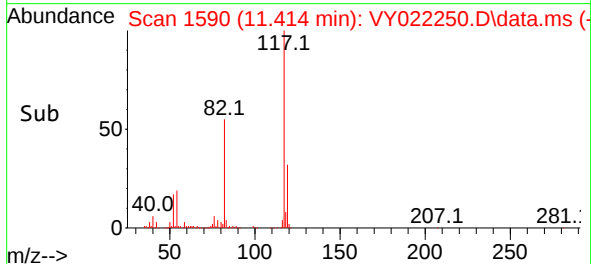
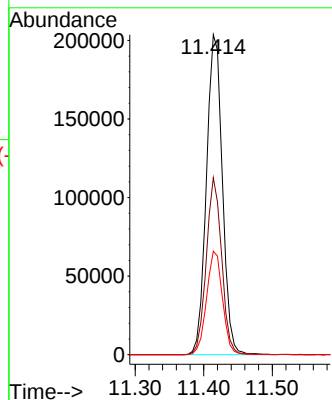
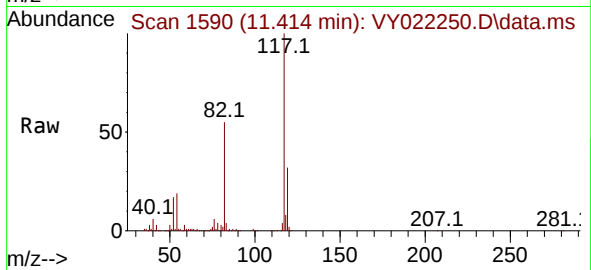
Tgt Ion:117 Resp: 331186

Ion Ratio Lower Upper

117 100

82 55.3 42.1 63.1

119 32.4 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: VY022250.D

Acq: 13 May 2025 17:50

Tgt Ion:152 Resp: 141836

Ion Ratio Lower Upper

152 100

115 56.0 28.0 84.0

150 155.9 0.0 345.6

