

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022154.D
 Acq On : 05 May 2025 13:11
 Operator : SY/MD
 Sample : Q1947-07
 Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-O-VOC

Quant Time: May 06 05:21:15 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	251842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	485730	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	432575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	164838	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	127397	54.766	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.540%
35) Dibromofluoromethane	7.634	113	161293	50.263	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.520%
50) Toluene-d8	10.109	98	588312	48.629	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.260%
62) 4-Bromofluorobenzene	12.408	95	169581	41.639	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.280%

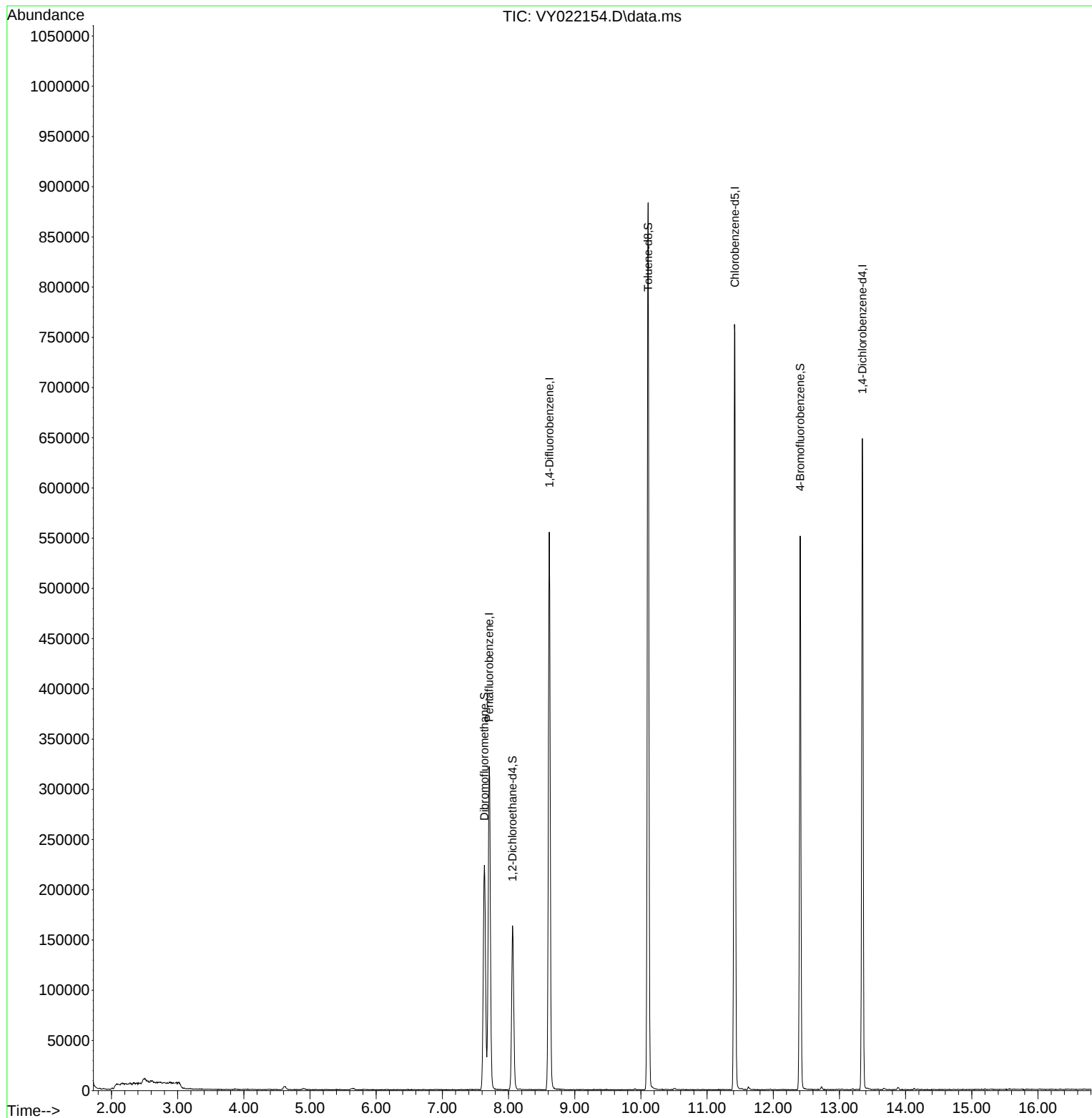
Target Compounds	Qvalue

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

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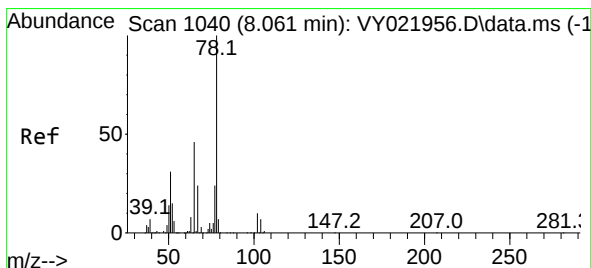
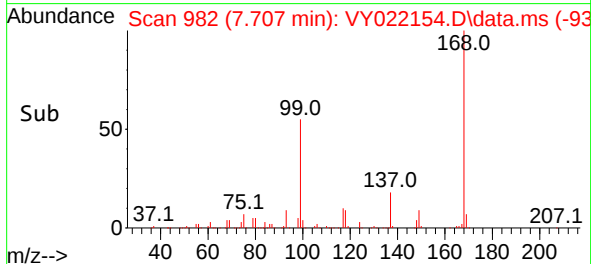
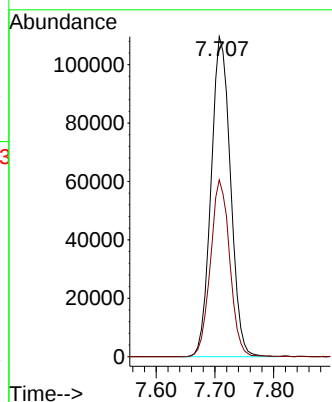
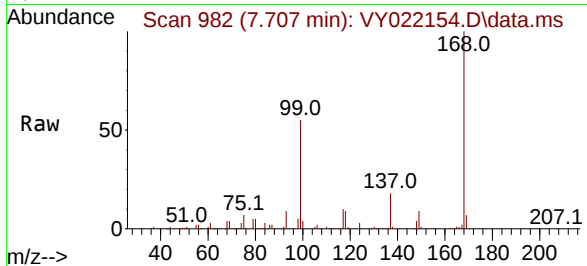




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022154.D
Acq: 05 May 2025 13:11

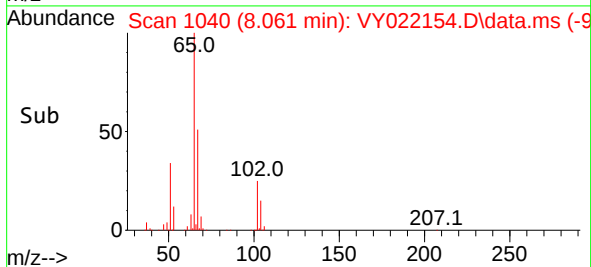
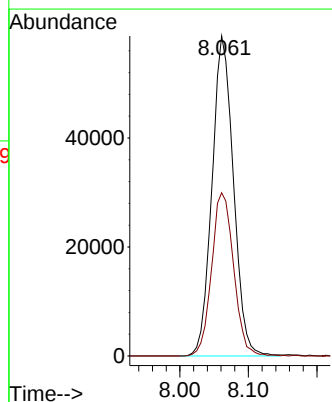
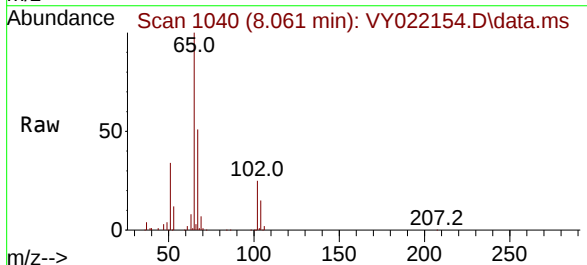
Instrument :
MSVOA_Y
ClientSampleId :
MH-O-VOC

Tgt Ion:168 Resp: 251842
Ion Ratio Lower Upper
168 100
99 55.3 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 54.766 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022154.D
Acq: 05 May 2025 13:11

Tgt Ion: 65 Resp: 127397
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.8

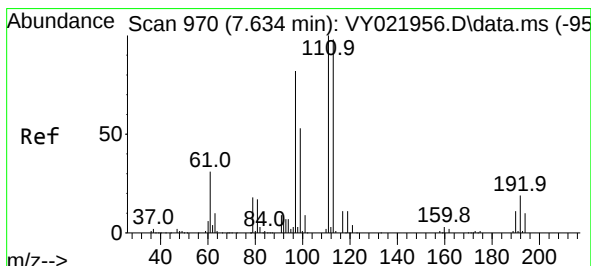
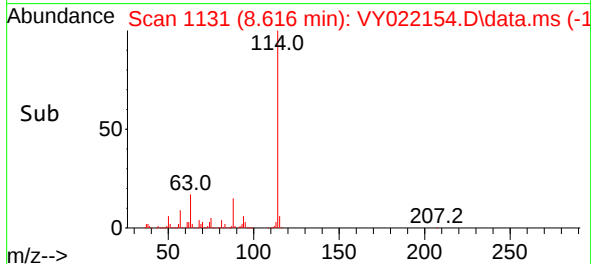
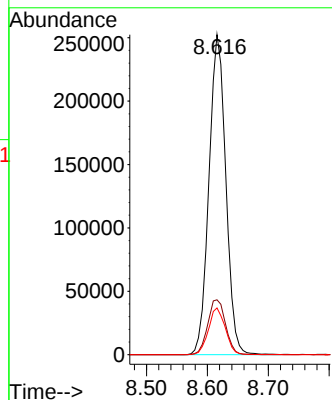
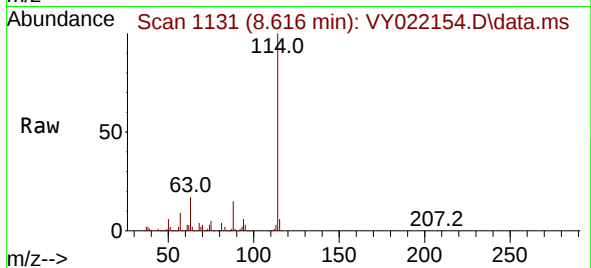




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022154.D
Acq: 05 May 2025 13:11

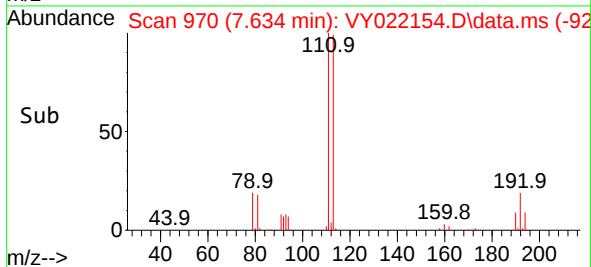
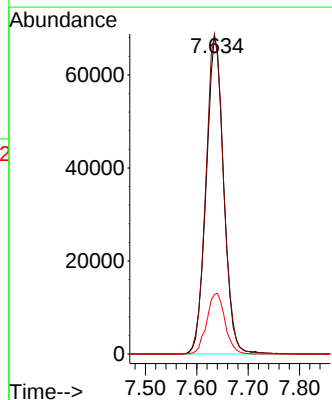
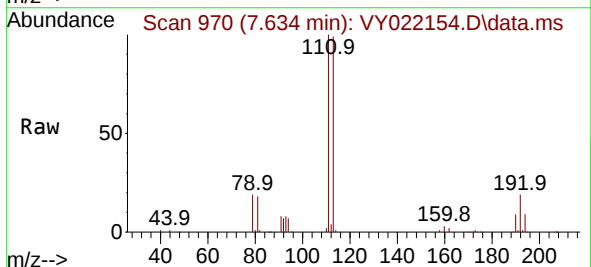
Instrument :
MSVOA_Y
ClientSampleId :
MH-O-VOC

Tgt Ion:114 Resp: 485730
Ion Ratio Lower Upper
114 100
63 17.2 0.0 35.4
88 14.6 0.0 28.2



#35
Dibromofluoromethane
Concen: 50.263 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022154.D
Acq: 05 May 2025 13:11

Tgt Ion:113 Resp: 161293
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.8
192 19.9 15.6 23.4

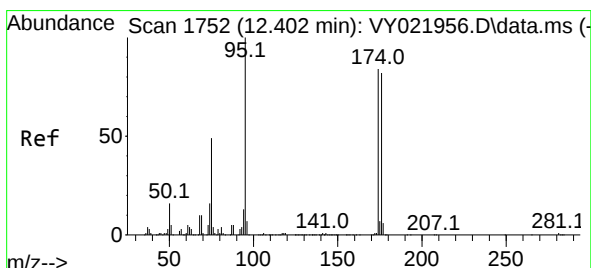
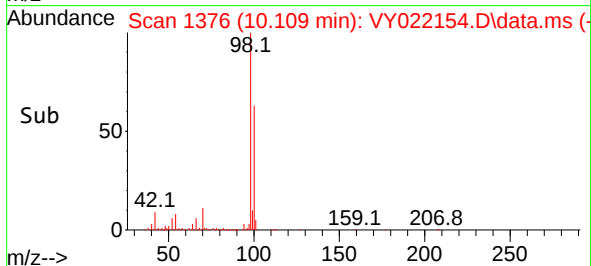
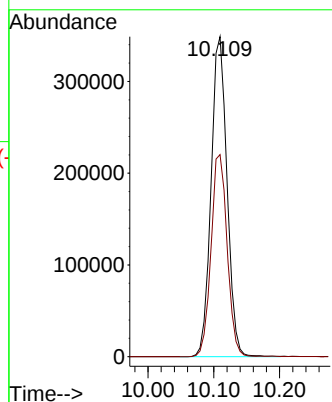
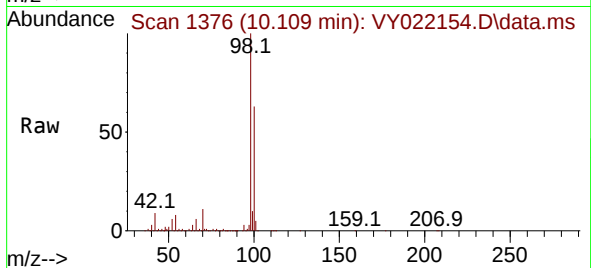




#50
Toluene-d8
Concen: 48.629 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022154.D
Acq: 05 May 2025 13:11

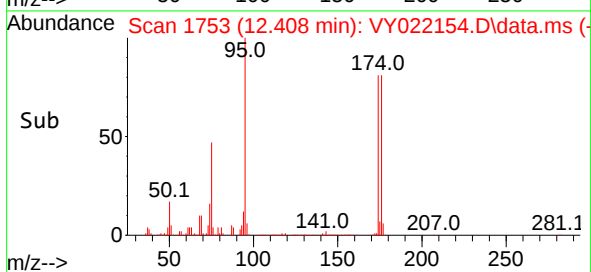
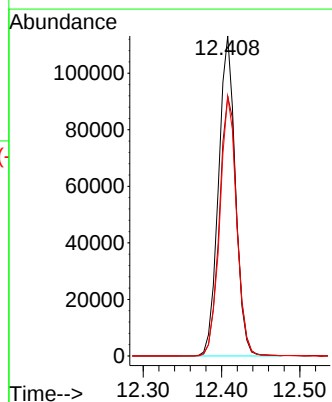
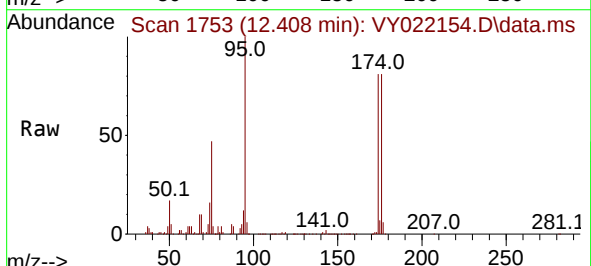
Instrument :
MSVOA_Y
ClientSampleId :
MH-O-VOC

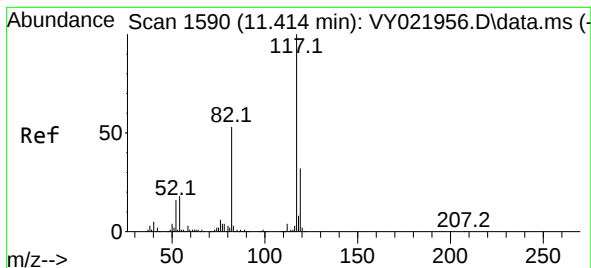
Tgt Ion: 98 Resp: 588312
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 41.639 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022154.D
Acq: 05 May 2025 13:11

Tgt Ion: 95 Resp: 169581
Ion Ratio Lower Upper
95 100
174 84.1 0.0 179.0
176 80.8 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022154.D

Acq: 05 May 2025 13:11

Instrument :

MSVOA_Y

ClientSampleId :

MH-O-VOC

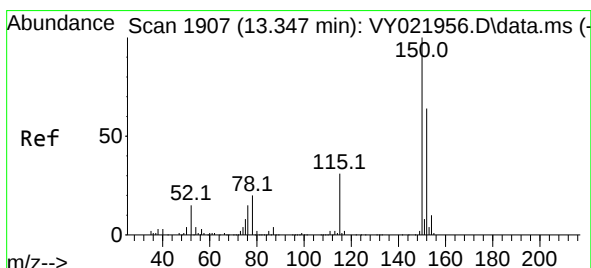
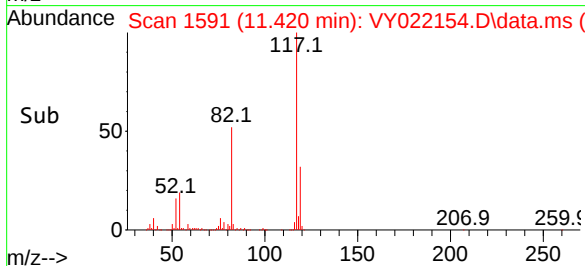
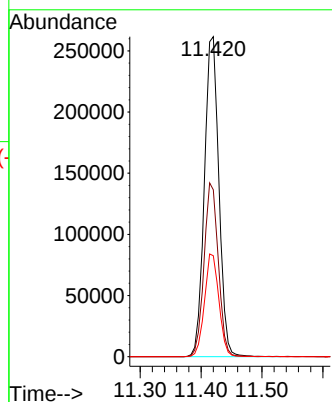
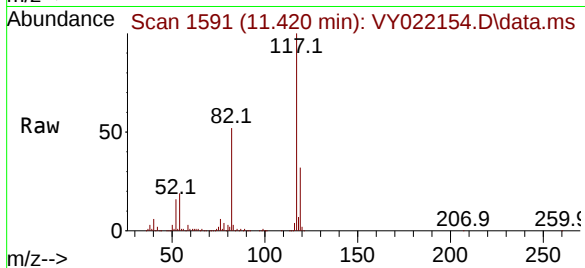
Tgt Ion:117 Resp: 432575

Ion Ratio Lower Upper

117 100

82 52.2 42.1 63.1

119 31.5 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: VY022154.D

Acq: 05 May 2025 13:11

Tgt Ion:152 Resp: 164838

Ion Ratio Lower Upper

152 100

115 57.6 28.0 84.0

150 159.7 0.0 345.6

