

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022150.D
 Acq On : 05 May 2025 11:37
 Operator : SY/MD
 Sample : Q1946-01
 Misc : 5.25g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BB-CONCRETE

Quant Time: May 06 05:20:20 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	7.713	168	284679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	538593	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	460035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	168569	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137910	52.447	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.900%
35) Dibromofluoromethane	7.640	113	150971	42.429	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.860%
50) Toluene-d8	10.109	98	637385	47.515	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.020%
62) 4-Bromofluorobenzene	12.407	95	174671	38.679	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.360%

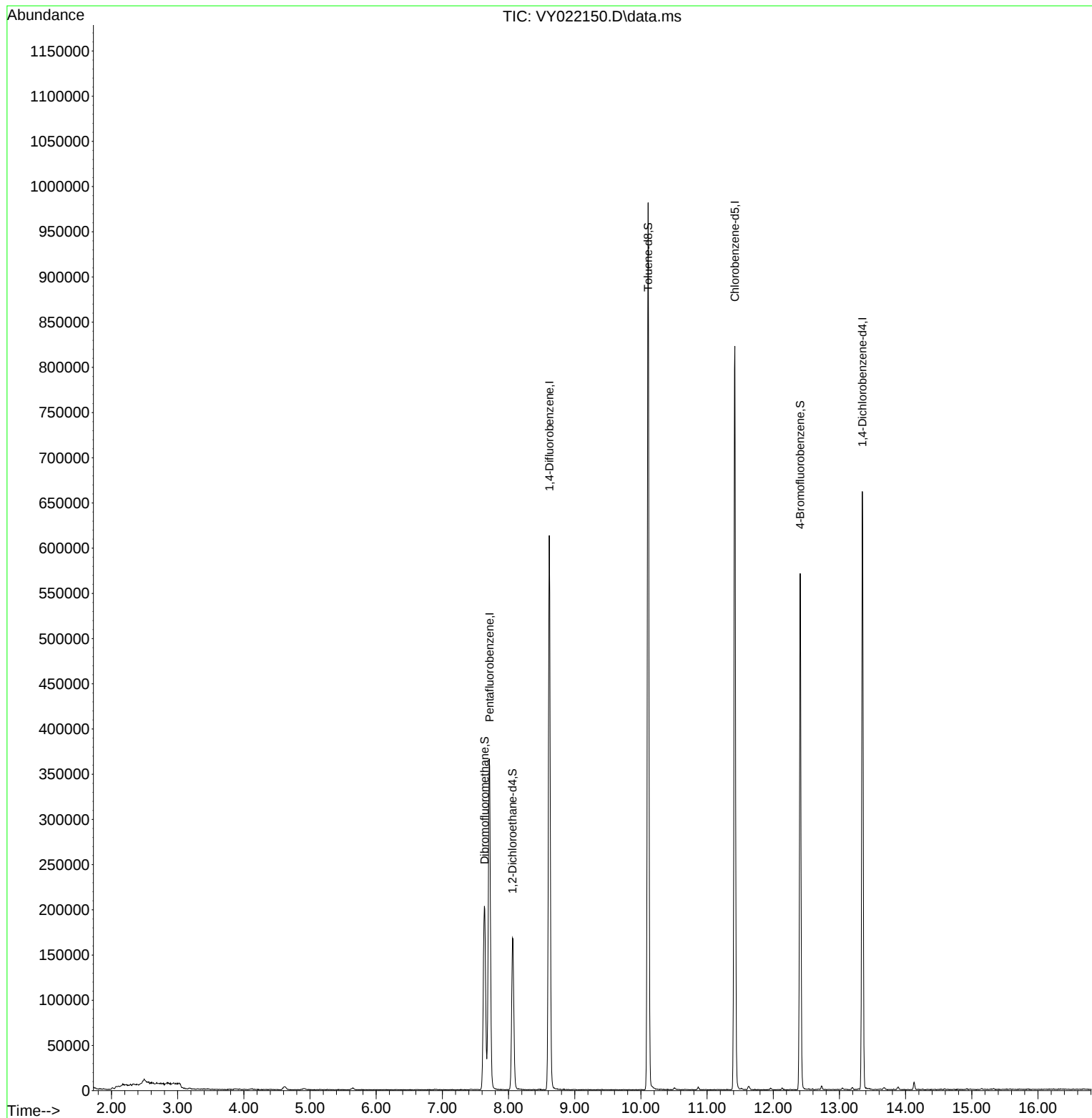
Target Compounds	Qvalue

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

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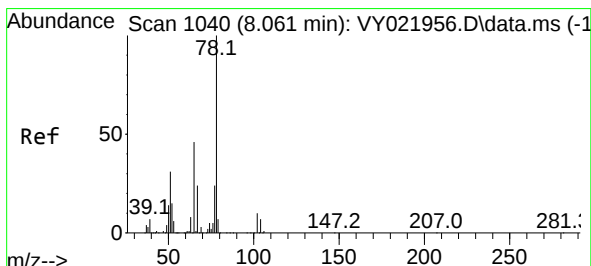
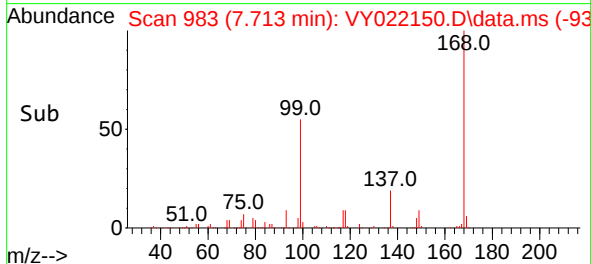
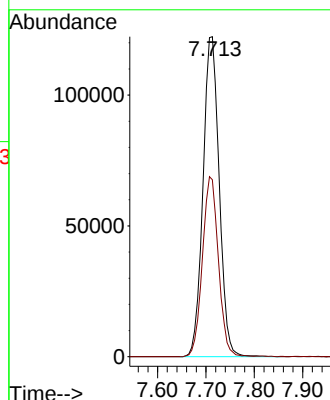
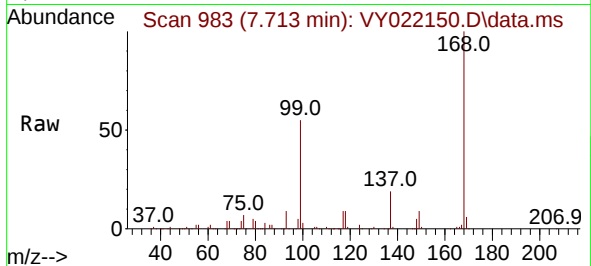




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022150.D
Acq: 05 May 2025 11:37

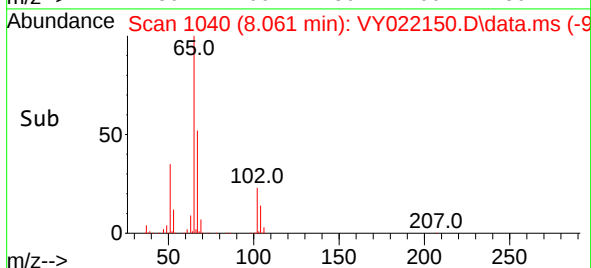
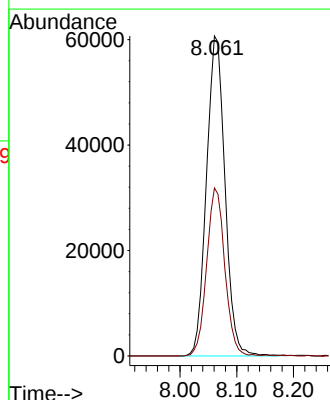
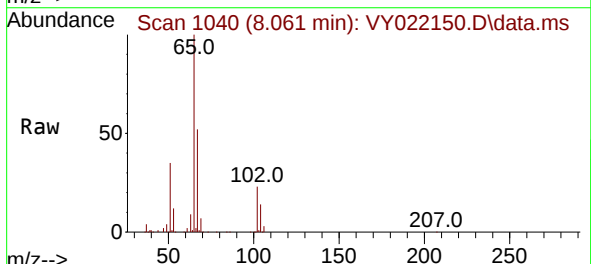
Instrument :
MSVOA_Y
ClientSampleId :
BB-CONCRETE

Tgt Ion:168 Resp: 284679
Ion Ratio Lower Upper
168 100
99 55.3 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 52.447 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022150.D
Acq: 05 May 2025 11:37

Tgt Ion: 65 Resp: 137910
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.8

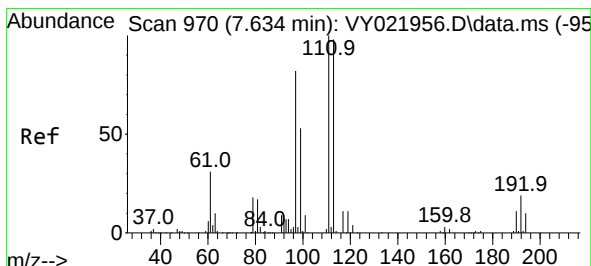
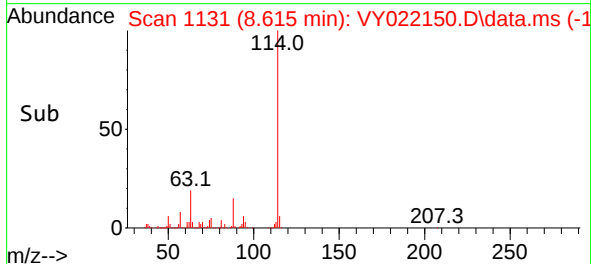
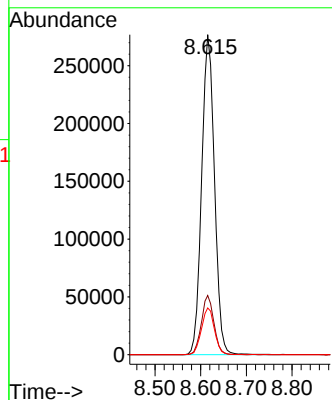
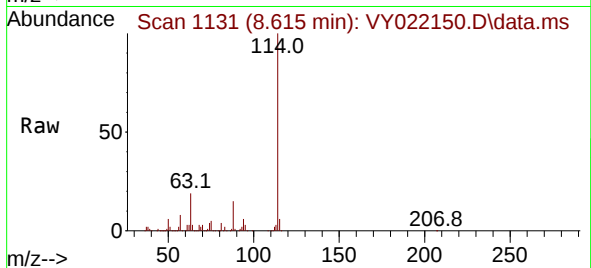




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022150.D
Acq: 05 May 2025 11:37

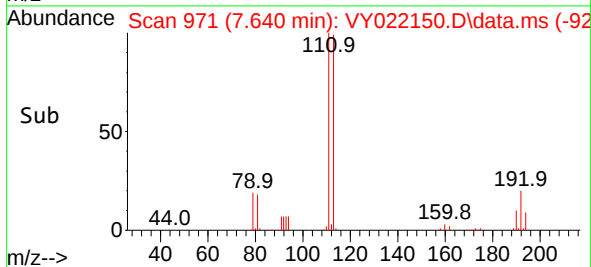
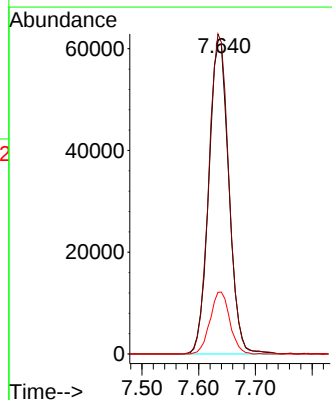
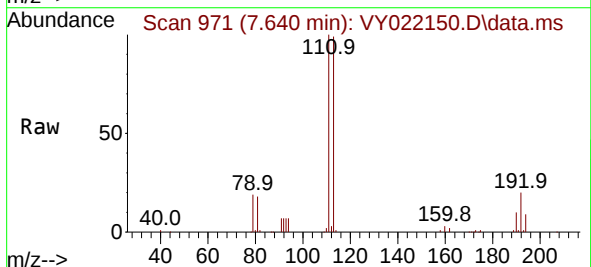
Instrument :
MSVOA_Y
ClientSampleId :
BB-CONCRETE

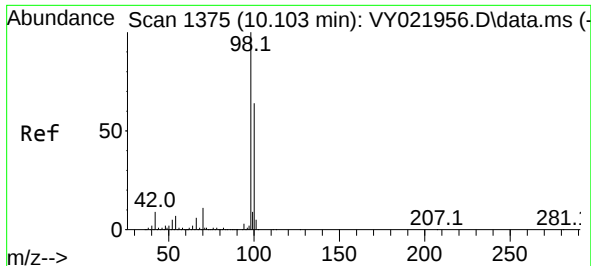
Tgt Ion:114 Resp: 538593
Ion Ratio Lower Upper
114 100
63 18.5 0.0 35.4
88 14.6 0.0 28.2



#35
Dibromofluoromethane
Concen: 42.429 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY022150.D
Acq: 05 May 2025 11:37

Tgt Ion:113 Resp: 150971
Ion Ratio Lower Upper
113 100
111 102.2 81.8 122.8
192 19.4 15.6 23.4

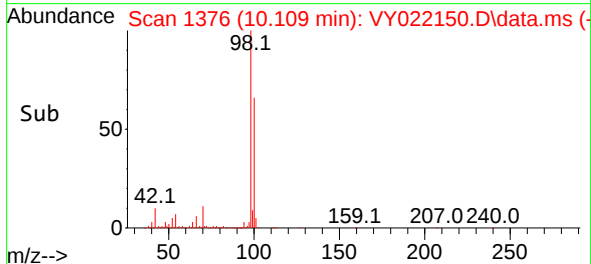
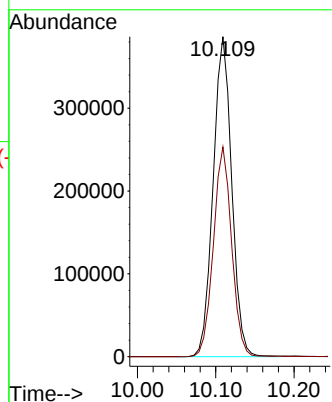
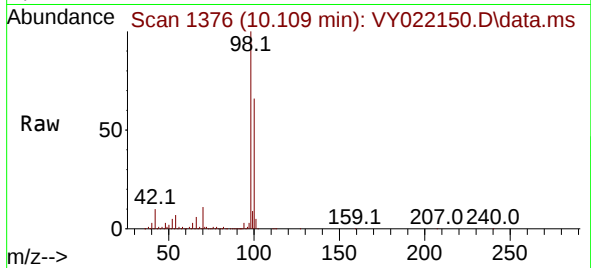




#50
Toluene-d8
Concen: 47.515 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022150.D
Acq: 05 May 2025 11:37

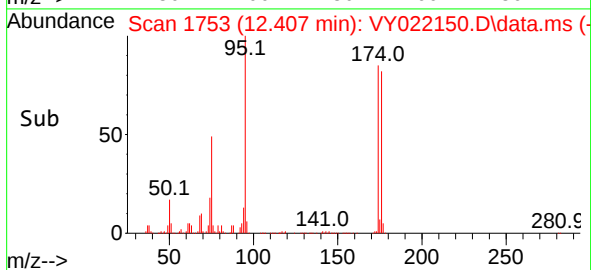
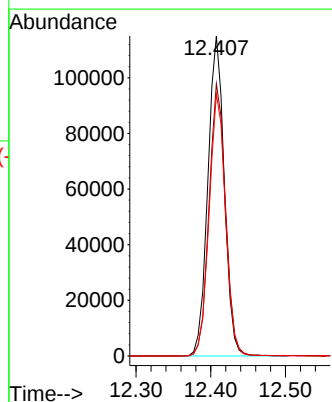
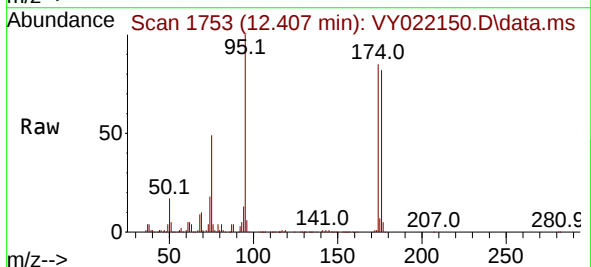
Instrument :
MSVOA_Y
ClientSampleId :
BB-CONCRETE

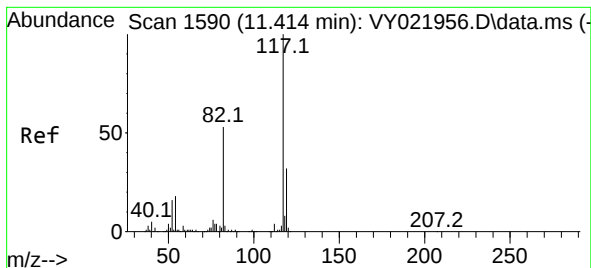
Tgt Ion: 98 Resp: 637385
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 38.679 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022150.D
Acq: 05 May 2025 11:37

Tgt Ion: 95 Resp: 174671
Ion Ratio Lower Upper
95 100
174 85.8 0.0 179.0
176 82.3 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: VY022150.D

Acq: 05 May 2025 11:37

Instrument :

MSVOA_Y

ClientSampleId :

BB-CONCRETE

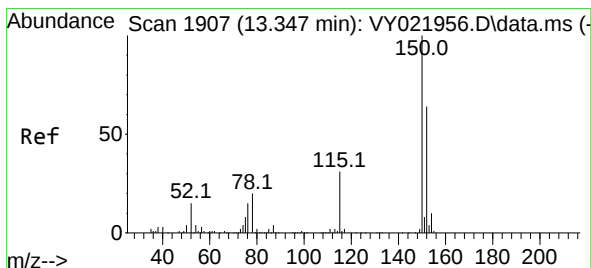
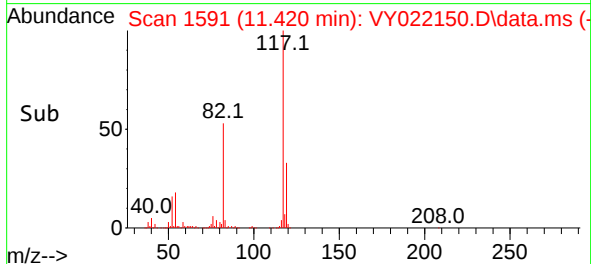
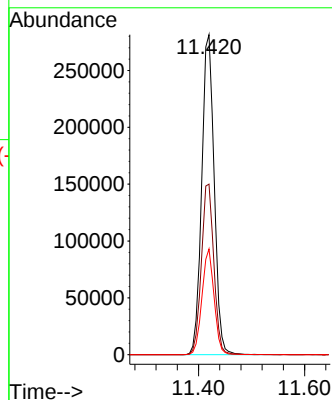
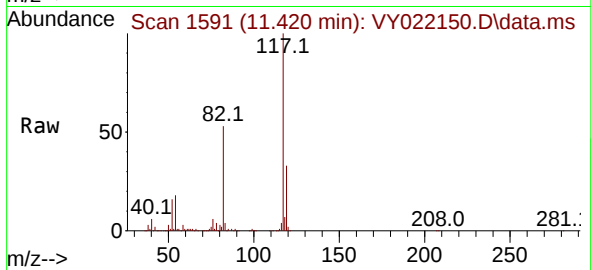
Tgt Ion:117 Resp: 460035

Ion Ratio Lower Upper

117 100

82 53.3 42.1 63.1

119 33.1 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022150.D

Acq: 05 May 2025 11:37

Tgt Ion:152 Resp: 168569

Ion Ratio Lower Upper

152 100

115 56.2 28.0 84.0

150 158.5 0.0 345.6

