

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022088.D
 Acq On : 30 Apr 2025 17:29
 Operator : SY/MD
 Sample : Q1901-03
 Misc : 7.35g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-170-SB01

Quant Time: May 01 01:38:49 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	370218	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	709340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	640665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	256467	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.054	65	184332	53.904	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.800%
35) Dibromofluoromethane	7.628	113	234145	49.964	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.920%
50) Toluene-d8	10.103	98	851694	48.208	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.420%
62) 4-Bromofluorobenzene	12.407	95	245148	41.219	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.440%

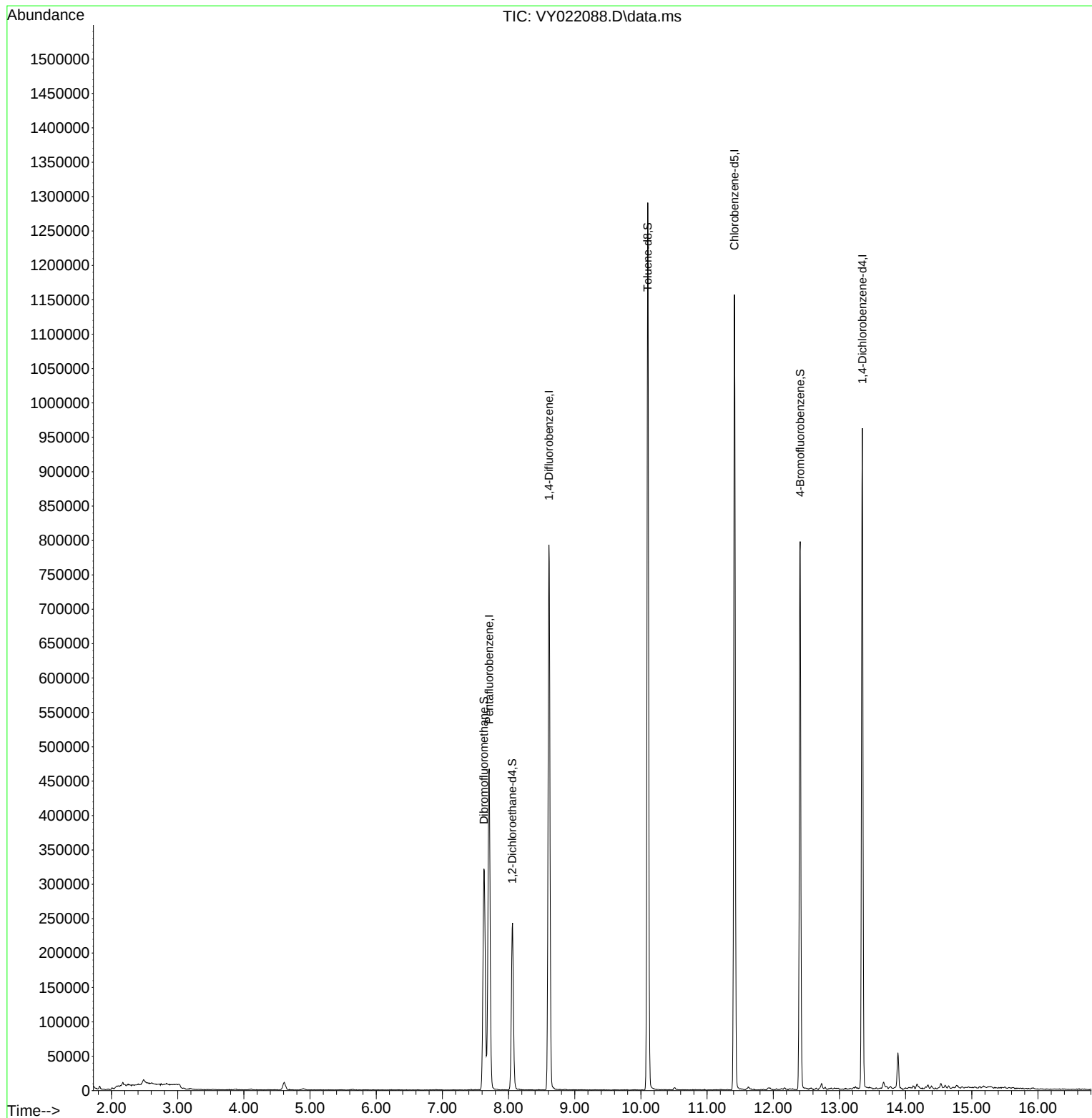
Target Compounds	Qvalue

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

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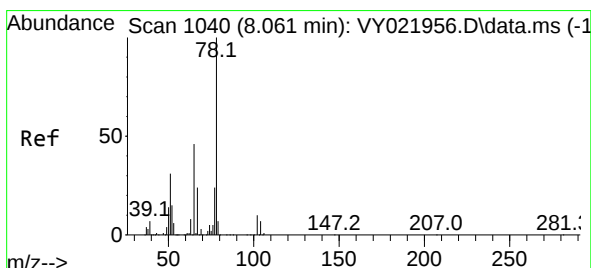
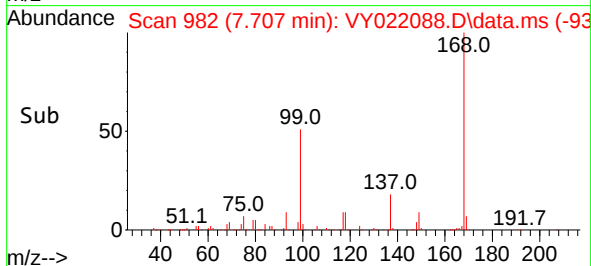
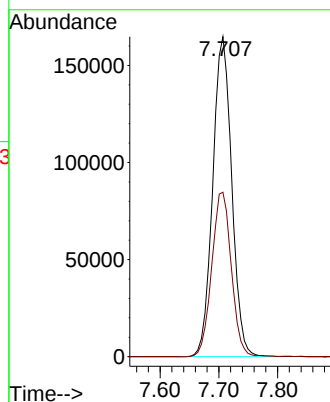
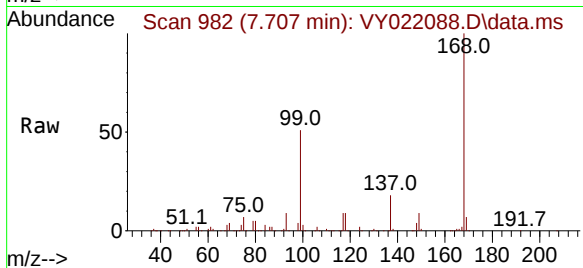




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022088.D
Acq: 30 Apr 2025 17:29

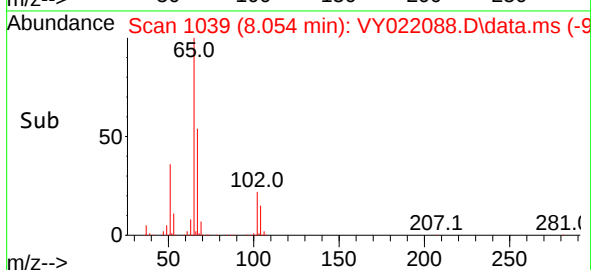
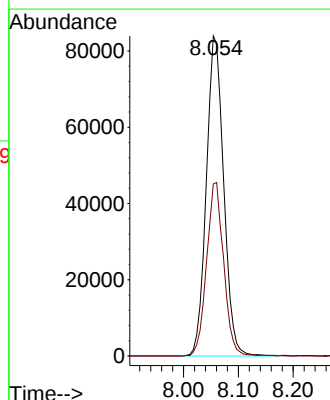
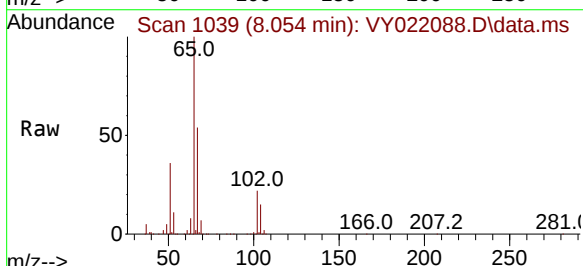
Instrument :
MSVOA_Y
ClientSampleId :
B-170-SB01

Tgt Ion:168 Resp: 370218
Ion Ratio Lower Upper
168 100
99 51.4 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 53.904 ug/l
RT: 8.054 min Scan# 1039
Delta R.T. -0.007 min
Lab File: VY022088.D
Acq: 30 Apr 2025 17:29

Tgt Ion: 65 Resp: 184332
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.007 min

Lab File: VY022088.D

Acq: 30 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

B-170-SB01

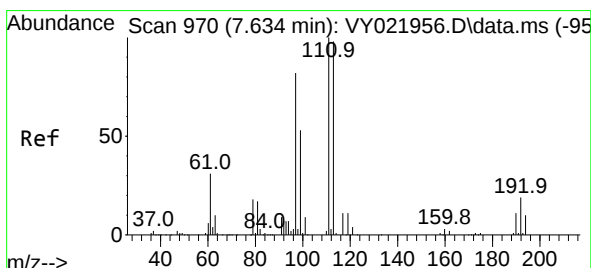
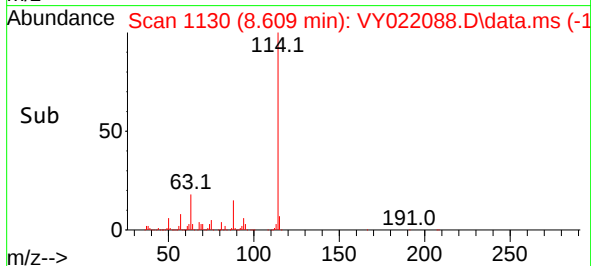
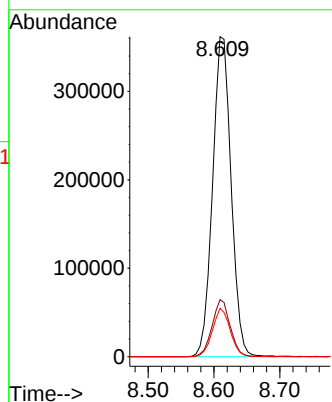
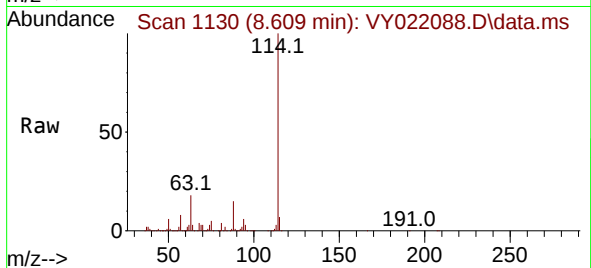
Tgt Ion:114 Resp: 709340

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.4

88 15.1 0.0 28.2



#35

Dibromofluoromethane

Concen: 49.964 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.007 min

Lab File: VY022088.D

Acq: 30 Apr 2025 17:29

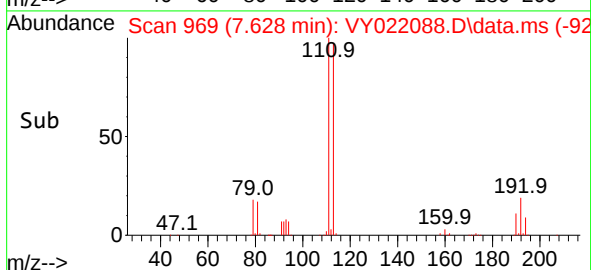
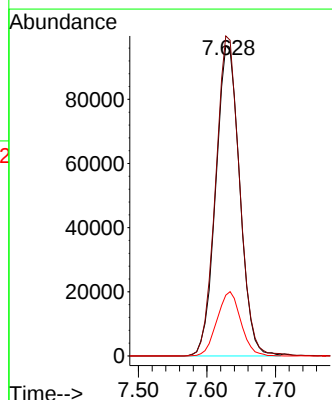
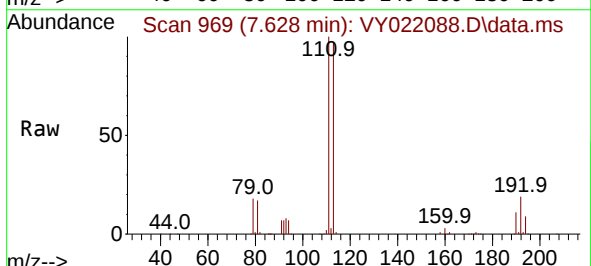
Tgt Ion:113 Resp: 234145

Ion Ratio Lower Upper

113 100

111 103.2 81.8 122.8

192 20.6 15.6 23.4

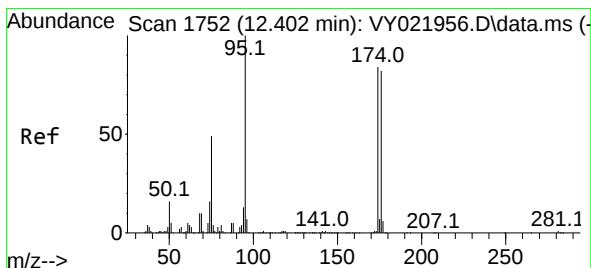
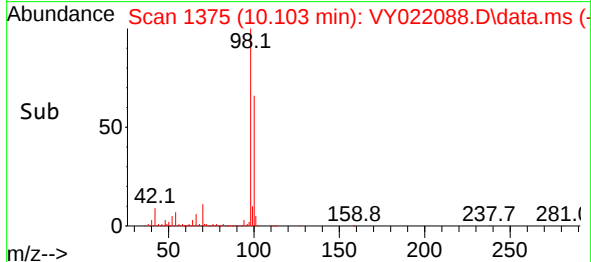
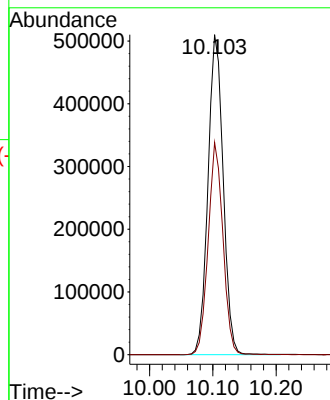
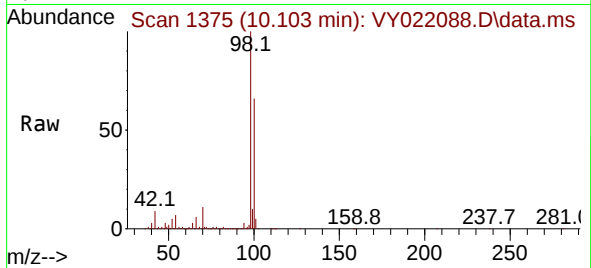




#50
Toluene-d8
Concen: 48.208 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022088.D
Acq: 30 Apr 2025 17:29

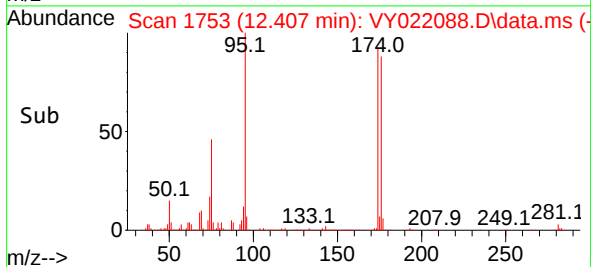
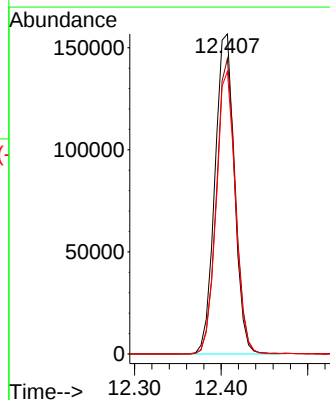
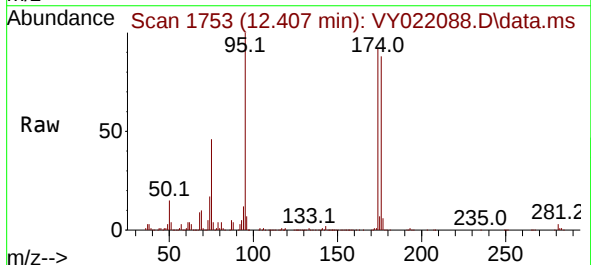
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B-170-SB01

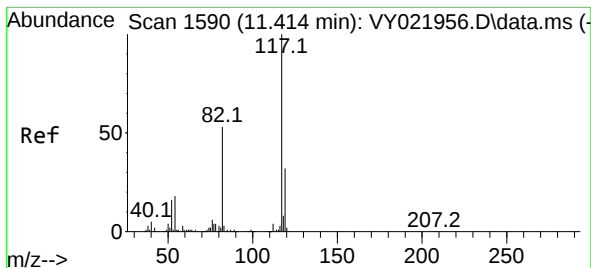
Tgt Ion: 98 Resp: 851694
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 41.219 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022088.D
Acq: 30 Apr 2025 17:29

Tgt Ion: 95 Resp: 245148
Ion Ratio Lower Upper
95 100
174 90.3 0.0 179.0
176 86.9 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.413 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022088.D

Acq: 30 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

B-170-SB01

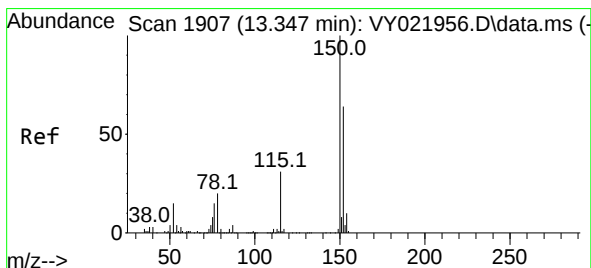
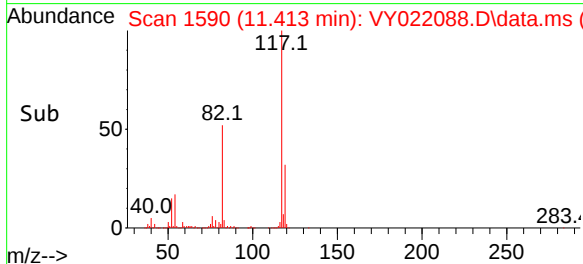
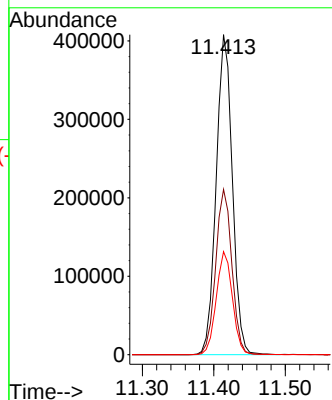
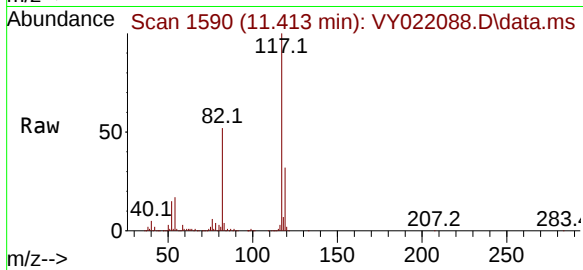
Tgt Ion:117 Resp: 640665

Ion Ratio Lower Upper

117 100

82 51.7 42.1 63.1

119 32.2 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: VY022088.D

Acq: 30 Apr 2025 17:29

Tgt Ion:152 Resp: 256467

Ion Ratio Lower Upper

152 100

115 56.9 28.0 84.0

150 155.9 0.0 345.6

