

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022130.D
 Acq On : 02 May 2025 15:37
 Operator : SY/MD
 Sample : Q1935-03
 Misc : 5.93g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-NN-VOC

Quant Time: May 03 02:51:35 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	259657	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	459476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	392734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	147134	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	123434	51.465	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.940%
35) Dibromofluoromethane	7.628	113	155410	51.197	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.400%
50) Toluene-d8	10.103	98	535982	46.835	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.680%
62) 4-Bromofluorobenzene	12.402	95	150281	39.009	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.020%

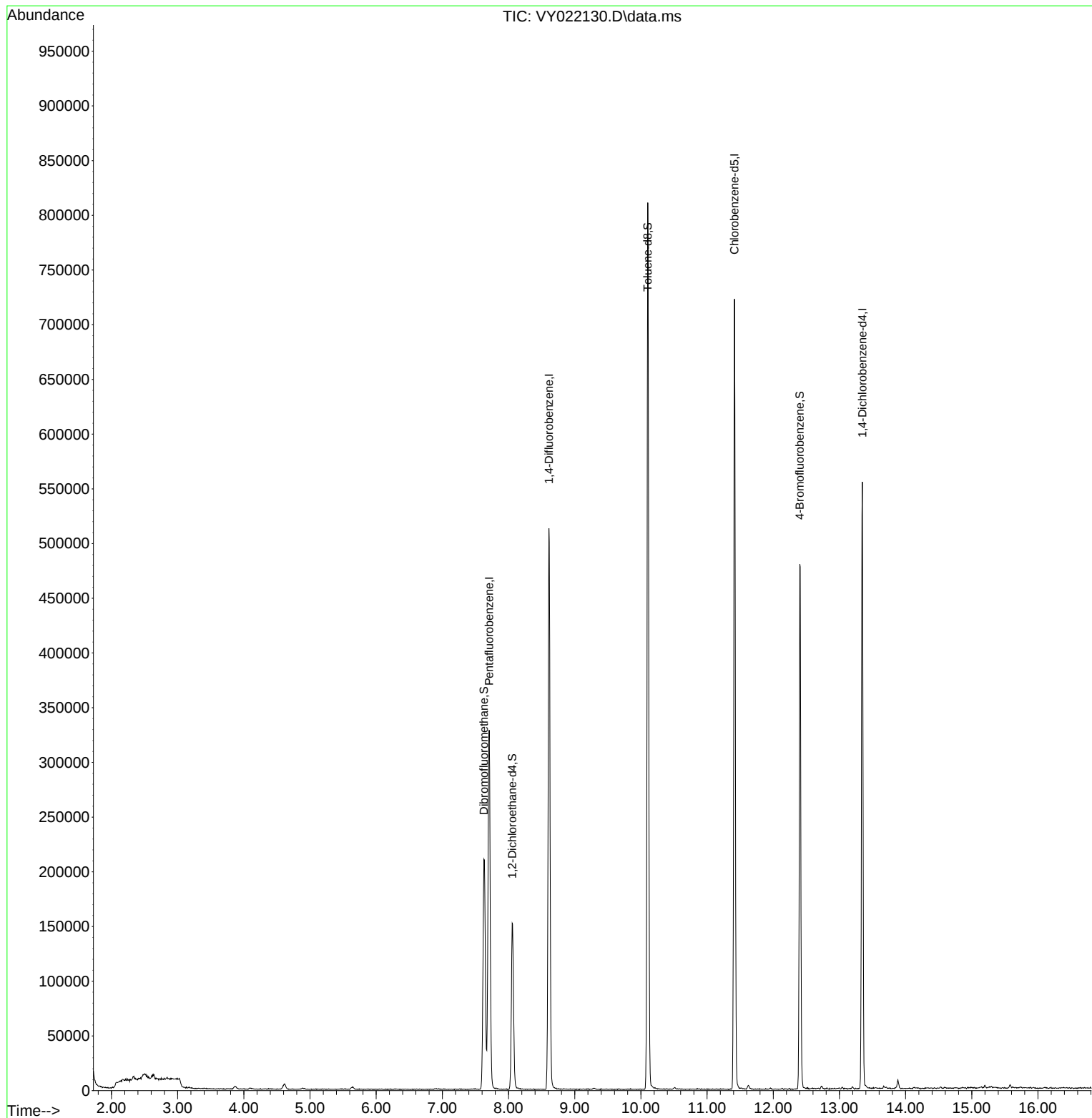
Target Compounds	Qvalue

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

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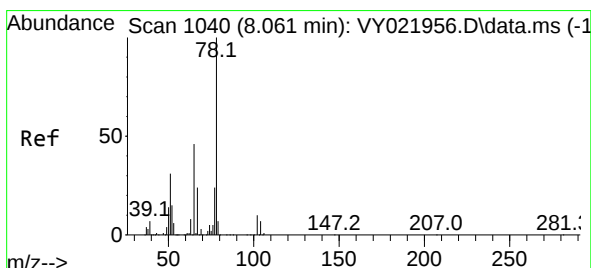
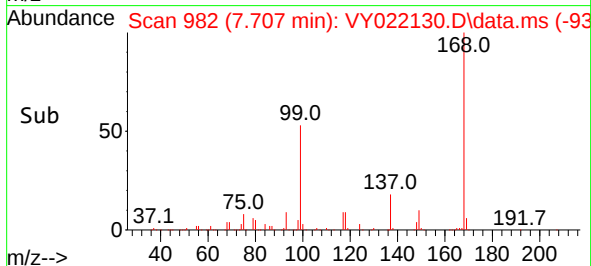
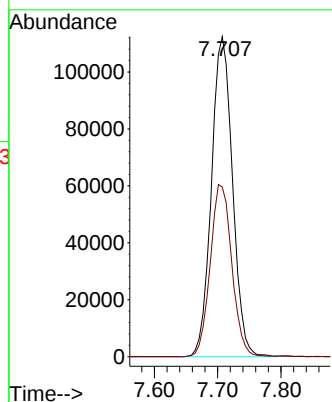
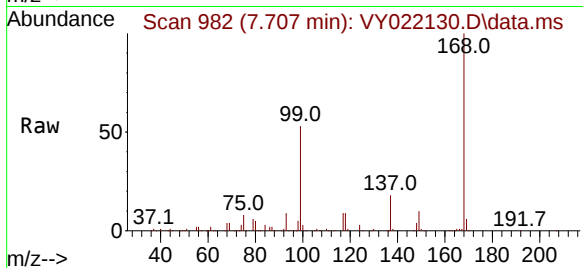




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022130.D
Acq: 02 May 2025 15:37

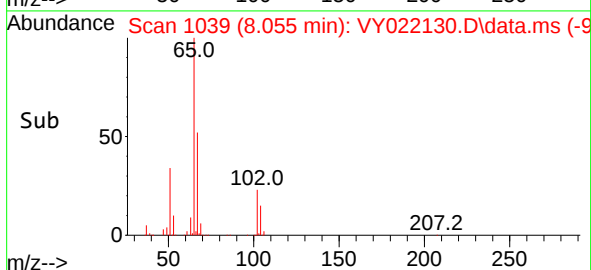
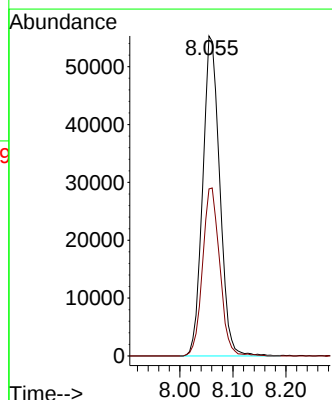
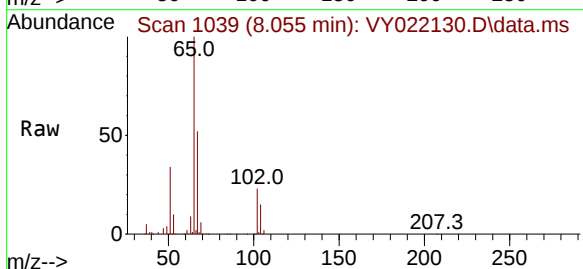
Instrument :
MSVOA_Y
ClientSampleId :
MH-NN-VOC

Tgt Ion:168 Resp: 259657
Ion Ratio Lower Upper
168 100
99 53.0 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 51.465 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY022130.D
Acq: 02 May 2025 15:37

Tgt Ion: 65 Resp: 123434
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022130.D

Acq: 02 May 2025 15:37

Instrument :

MSVOA_Y

ClientSampleId :

MH-NN-VOC

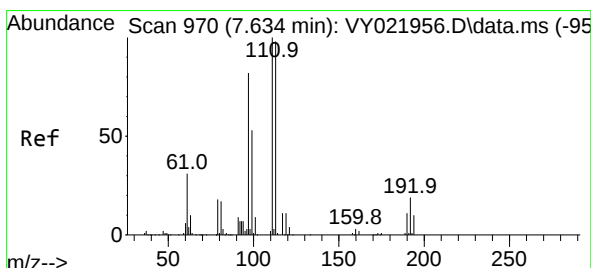
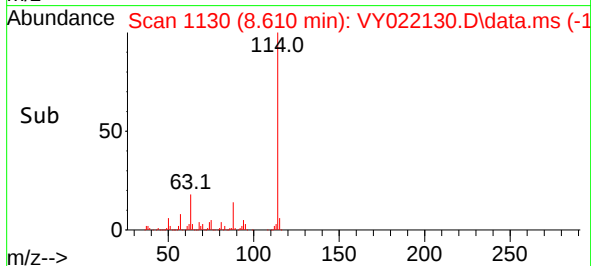
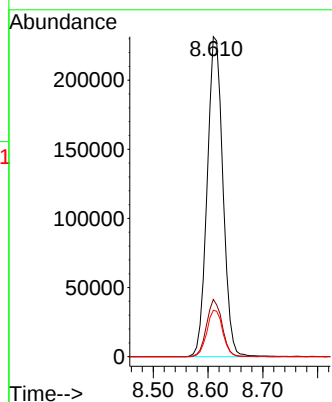
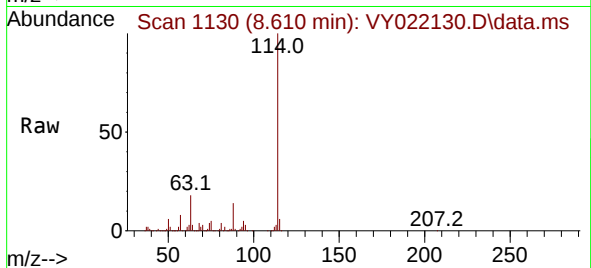
Tgt Ion:114 Resp: 459476

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.4

88 14.5 0.0 28.2



#35

Dibromofluoromethane

Concen: 51.197 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY022130.D

Acq: 02 May 2025 15:37

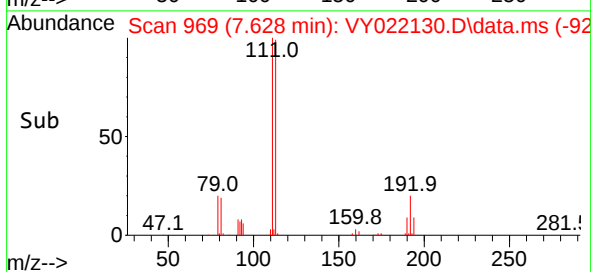
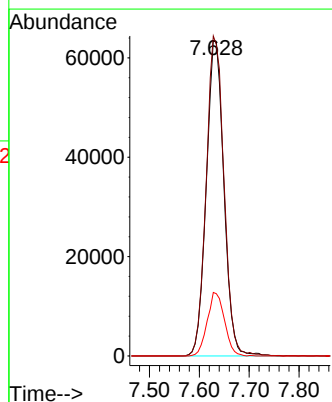
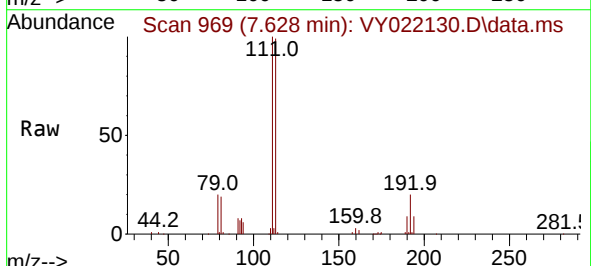
Tgt Ion:113 Resp: 155410

Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.8

192 19.8 15.6 23.4

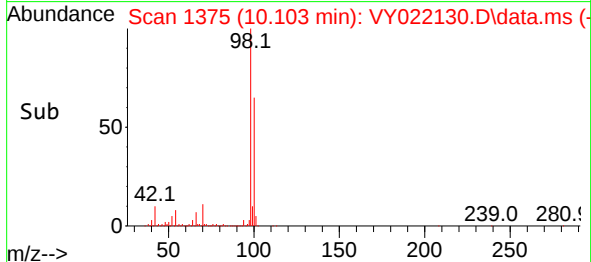
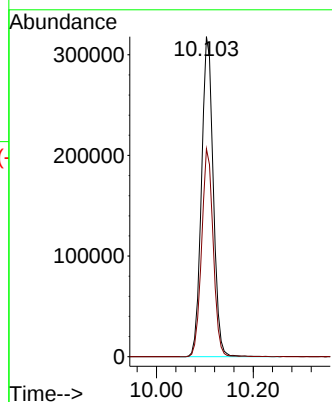
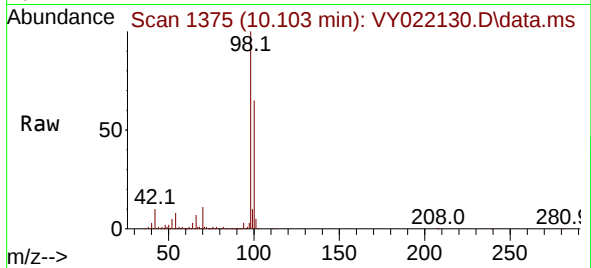




#50
Toluene-d8
Concen: 46.835 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022130.D
Acq: 02 May 2025 15:37

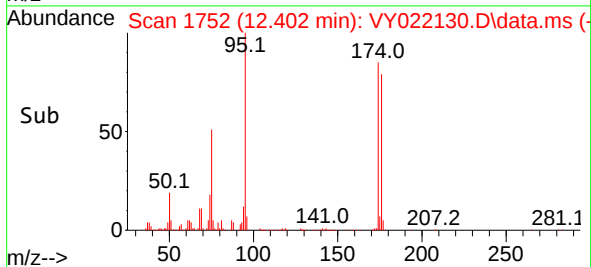
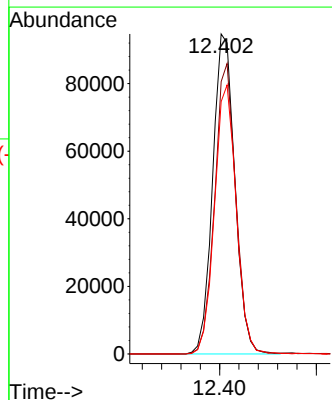
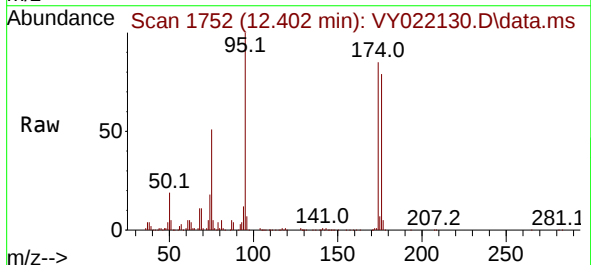
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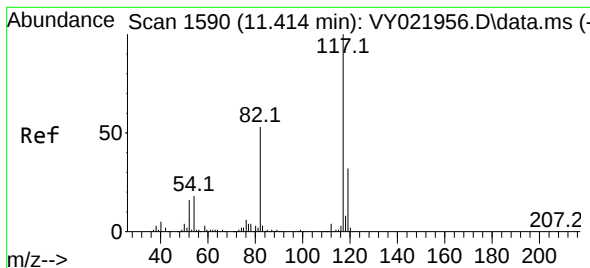
Tgt Ion: 98 Resp: 535982
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 39.009 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY022130.D
Acq: 02 May 2025 15:37

Tgt Ion: 95 Resp: 150281
Ion Ratio Lower Upper
95 100
174 87.4 0.0 179.0
176 82.6 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: VY022130.D

Acq: 02 May 2025 15:37

Instrument :

MSVOA_Y

ClientSampleId :

MH-NN-VOC

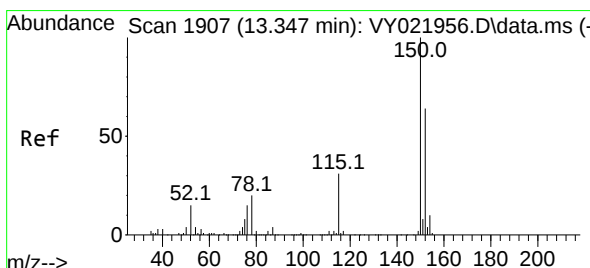
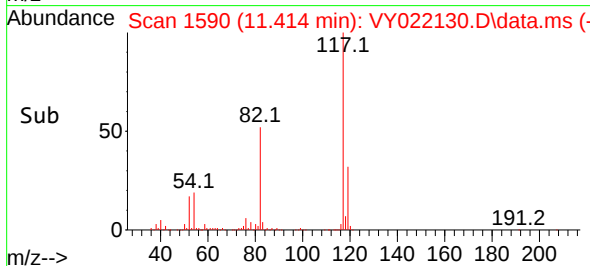
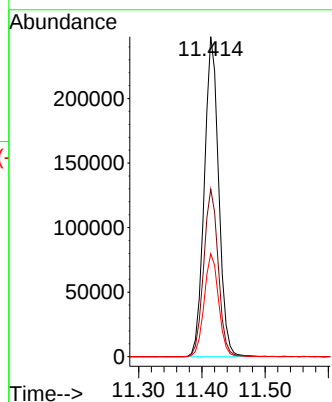
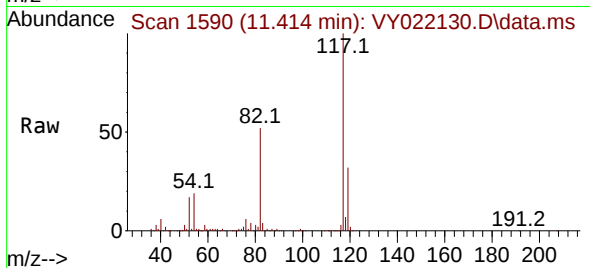
Tgt Ion:117 Resp: 392734

Ion Ratio Lower Upper

117 100

82 52.3 42.1 63.1

119 32.1 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: VY022130.D

Acq: 02 May 2025 15:37

Tgt Ion:152 Resp: 147134

Ion Ratio Lower Upper

152 100

115 57.1 28.0 84.0

150 155.1 0.0 345.6

