

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
 Data File : VY022105.D
 Acq On : 01 May 2025 14:15
 Operator : SY/MD
 Sample : Q1901-01
 Misc : 6.67g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-170-SB00

Quant Time: May 02 01:30:19 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	310481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	585270	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	519369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	196391	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	153526	53.533	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.060%
35) Dibromofluoromethane	7.634	113	196359	50.783	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.560%
50) Toluene-d8	10.109	98	702240	48.174	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.340%
62) 4-Bromofluorobenzene	12.408	95	269562	54.932	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	109.860%

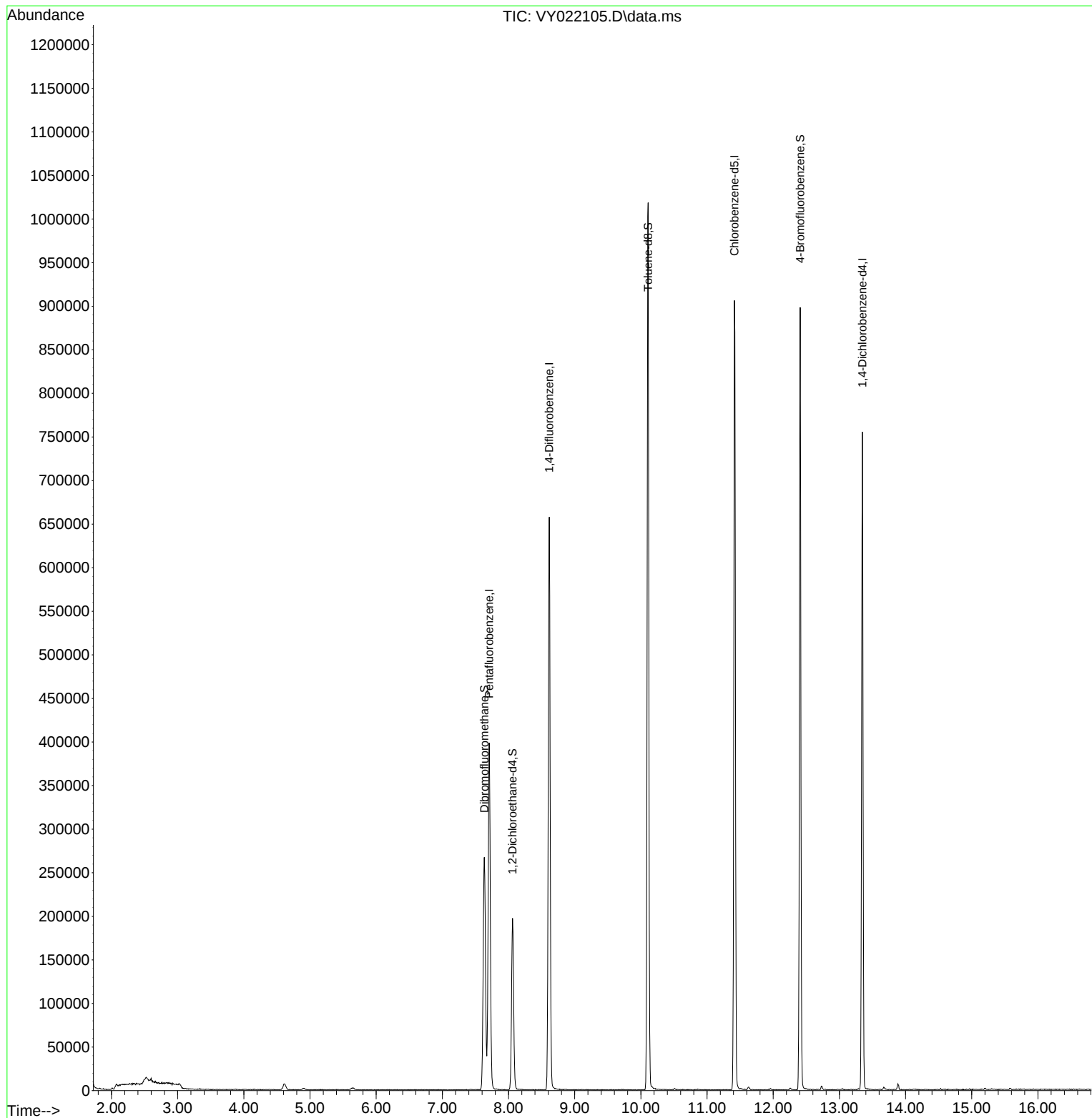
Target Compounds	Qvalue

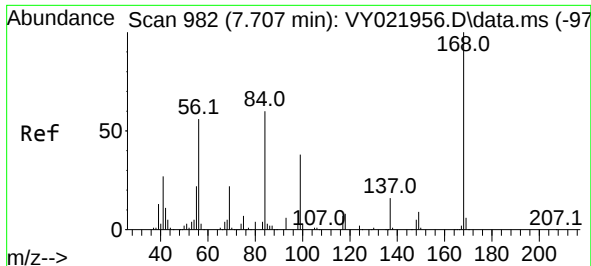
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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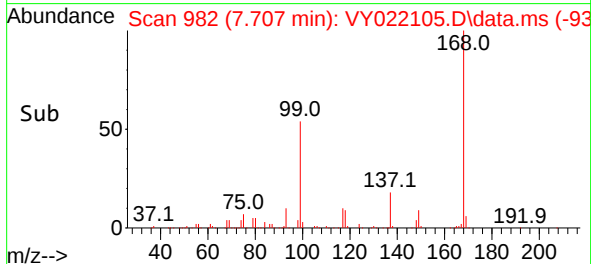
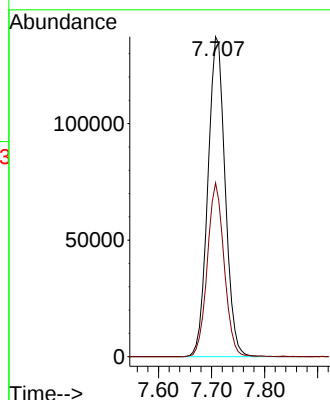
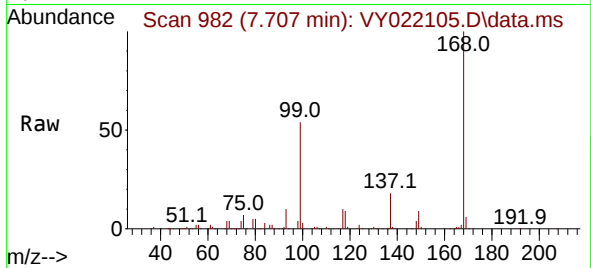




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022105.D
Acq: 01 May 2025 14:15

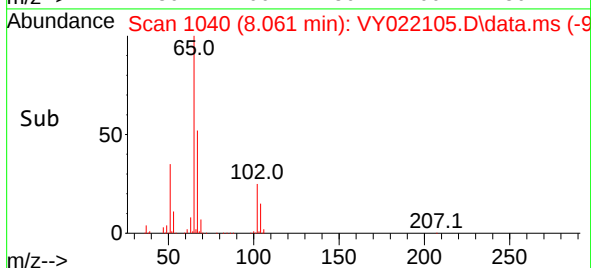
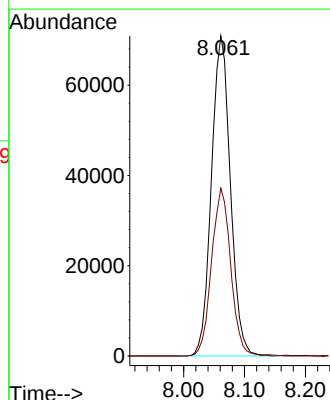
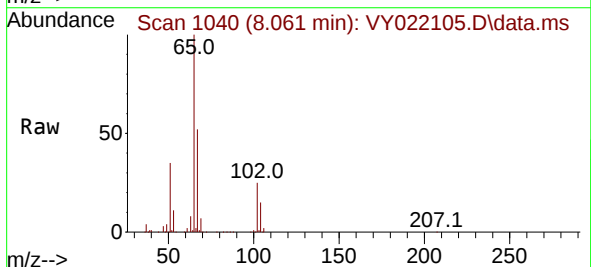
Instrument :
MSVOA_Y
ClientSampleId :
B-170-SB00

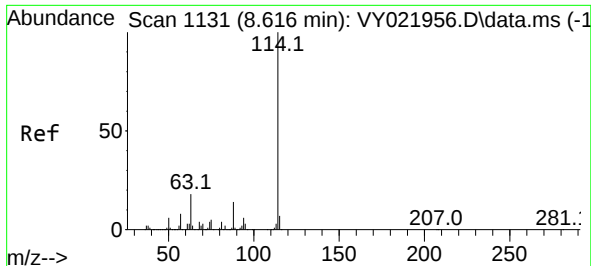
Tgt Ion:168 Resp: 310481
Ion Ratio Lower Upper
168 100
99 54.3 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 53.533 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022105.D
Acq: 01 May 2025 14:15

Tgt Ion: 65 Resp: 153526
Ion Ratio Lower Upper
65 100
67 52.9 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: VY022105.D

Acq: 01 May 2025 14:15

Instrument :

MSVOA_Y

ClientSampleId :

B-170-SB00

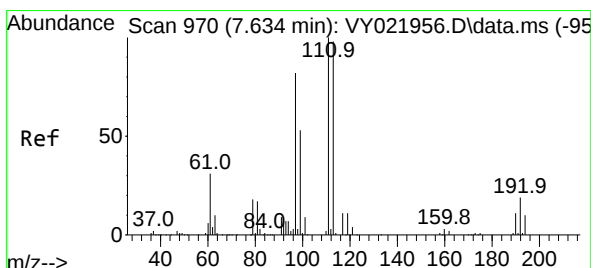
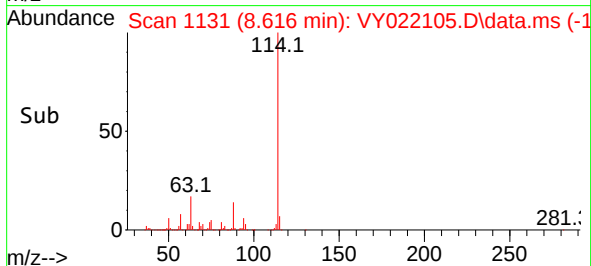
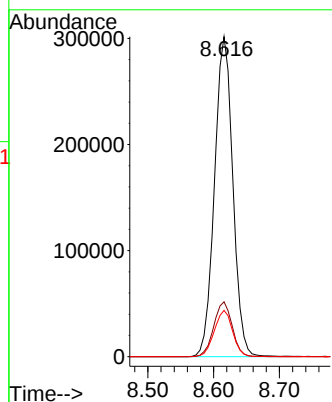
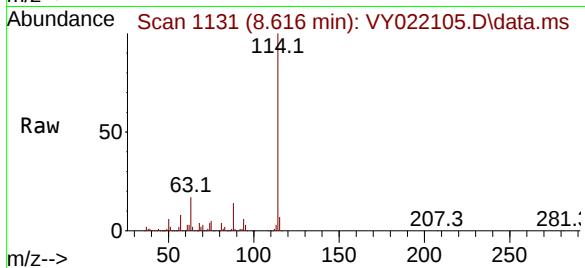
Tgt Ion:114 Resp: 585270

Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.4

88 14.4 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.783 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY022105.D

Acq: 01 May 2025 14:15

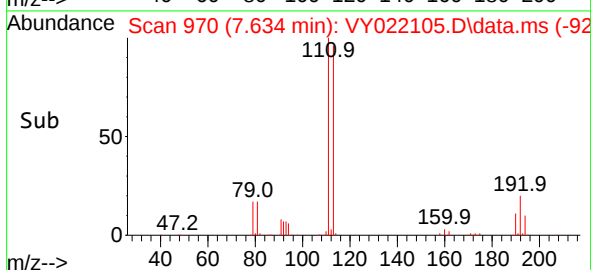
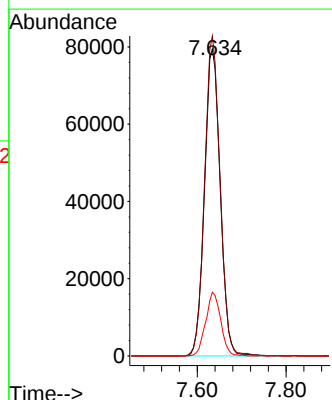
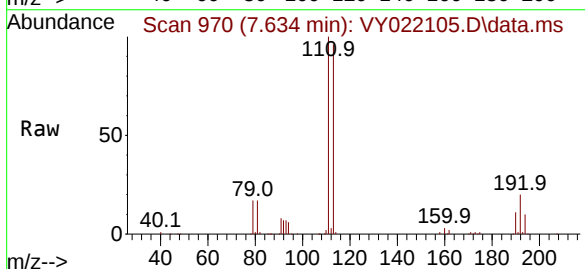
Tgt Ion:113 Resp: 196359

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.8

192 19.9 15.6 23.4

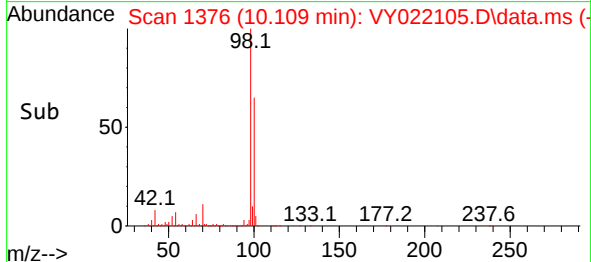
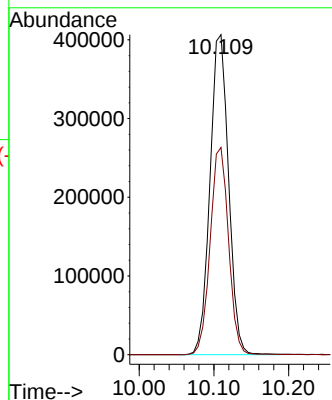
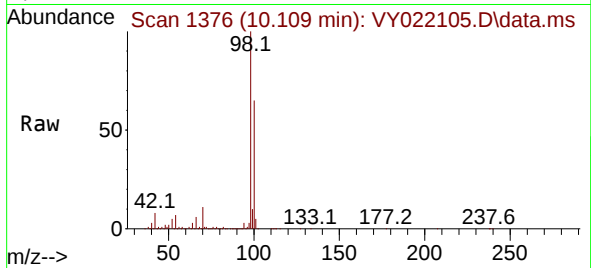




#50
Toluene-d8
Concen: 48.174 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022105.D
Acq: 01 May 2025 14:15

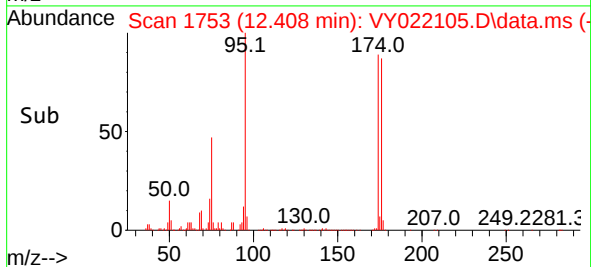
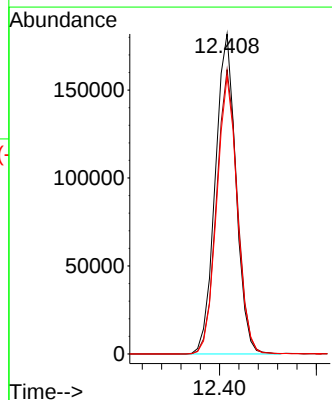
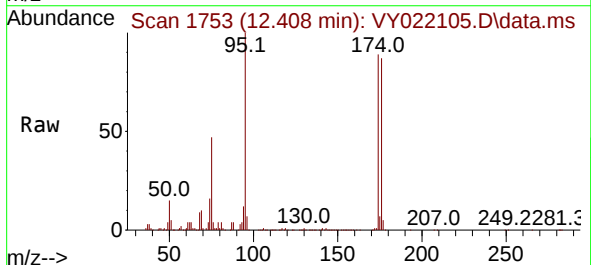
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B-170-SB00

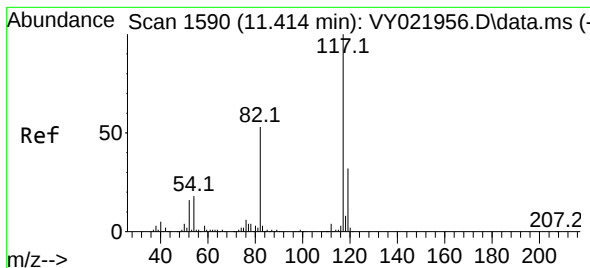
Tgt Ion: 98 Resp: 702240
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 54.932 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022105.D
Acq: 01 May 2025 14:15

Tgt Ion: 95 Resp: 269562
Ion Ratio Lower Upper
95 100
174 89.5 0.0 179.0
176 86.2 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: VY022105.D

Acq: 01 May 2025 14:15

Instrument :

MSVOA_Y

ClientSampleId :

B-170-SB00

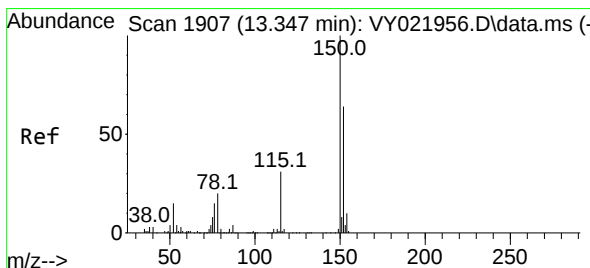
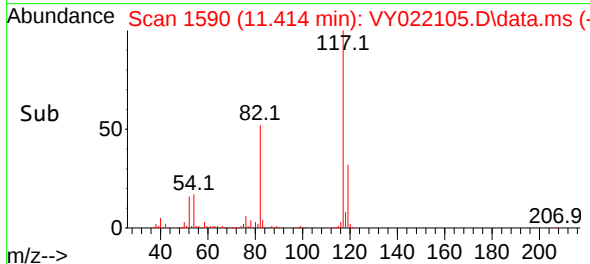
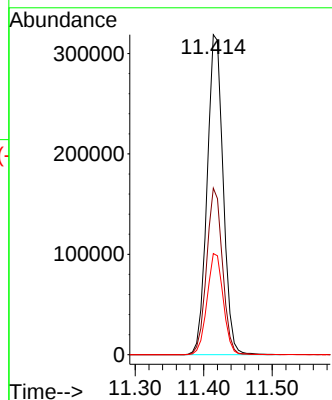
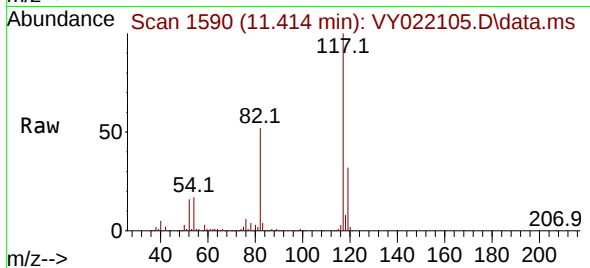
Tgt Ion:117 Resp: 519369

Ion Ratio Lower Upper

117 100

82 52.1 42.1 63.1

119 31.6 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: VY022105.D

Acq: 01 May 2025 14:15

Tgt Ion:152 Resp: 196391

Ion Ratio Lower Upper

152 100

115 56.3 28.0 84.0

150 158.2 0.0 345.6

