

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042525\
 Data File : VY022013.D
 Acq On : 25 Apr 2025 17:02
 Operator : SY/MD
 Sample : Q1883-05
 Misc : 10.13g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-29-042325

Quant Time: Apr 25 22:57:06 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	294839	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	556371	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	519222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	224740	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	147706	54.236	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.480%
35) Dibromofluoromethane	7.634	113	183246	49.854	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.700%
50) Toluene-d8	10.103	98	681813	49.202	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.400%
62) 4-Bromofluorobenzene	12.402	95	220125	47.187	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.380%

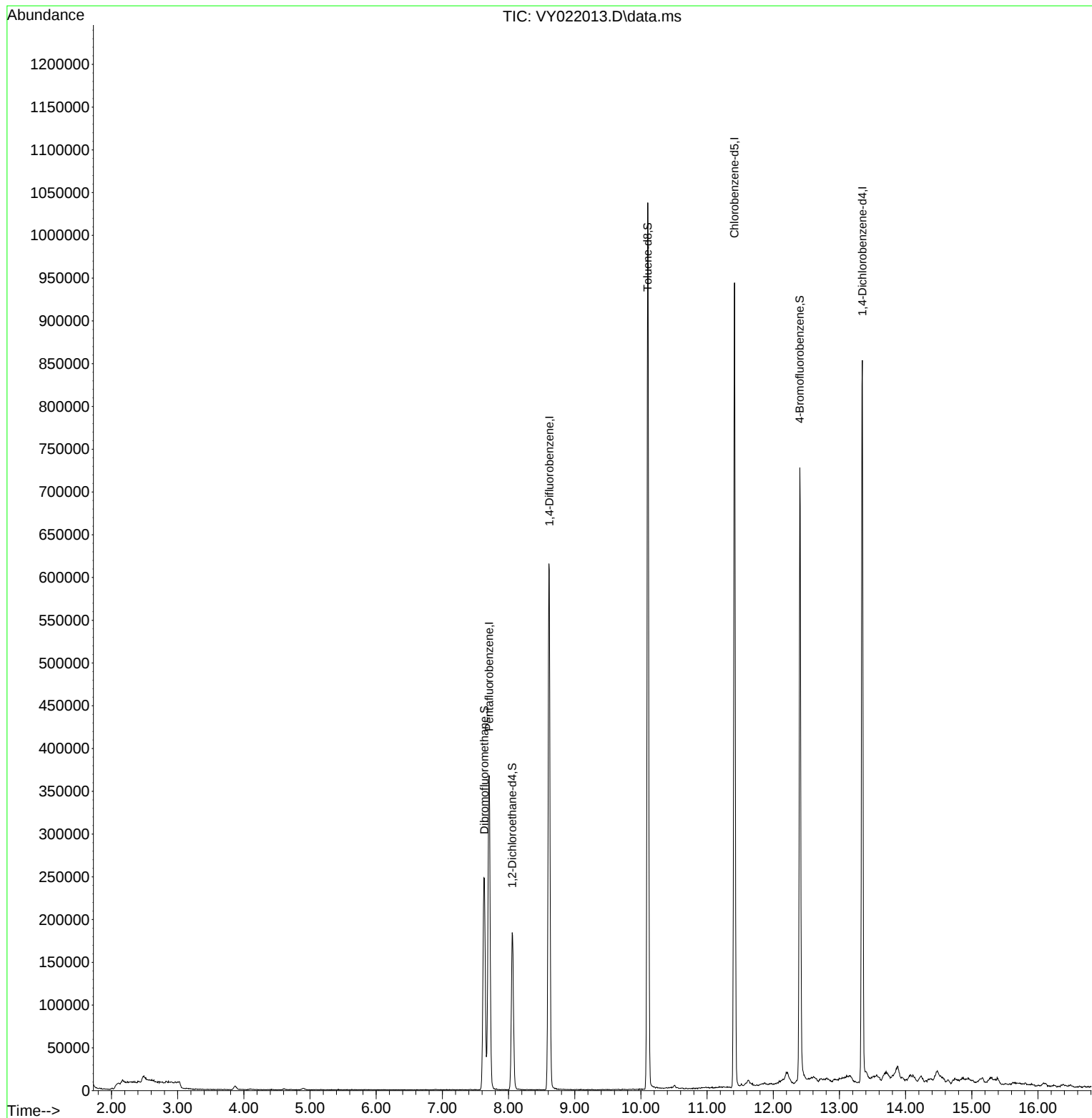
Target Compounds	Qvalue

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

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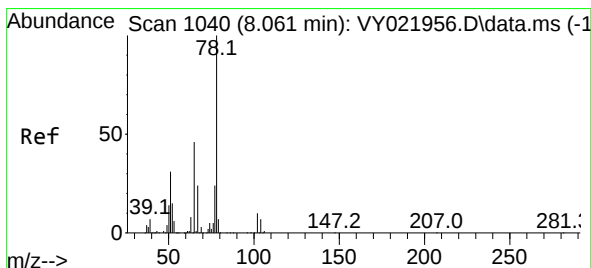
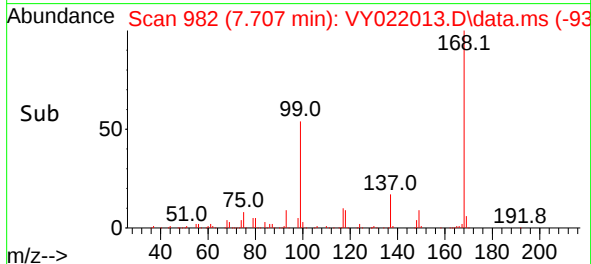
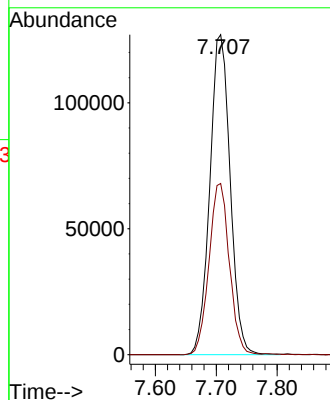
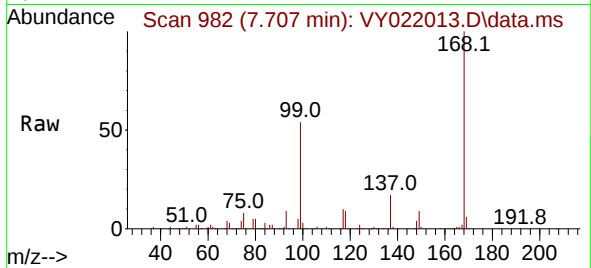




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022013.D
Acq: 25 Apr 2025 17:02

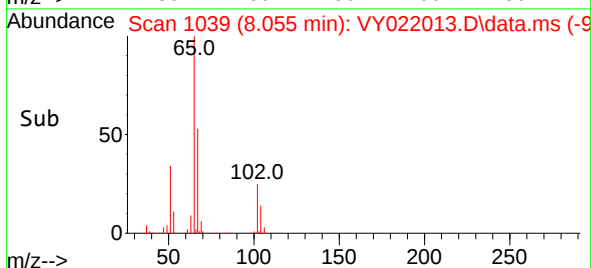
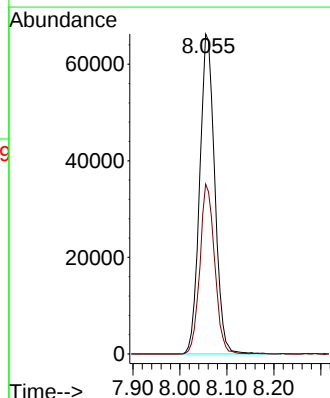
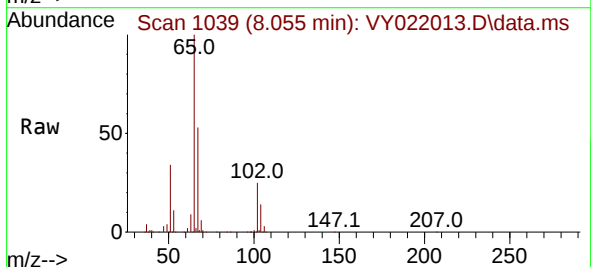
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-29-042325

Tgt Ion:168 Resp: 294839
Ion Ratio Lower Upper
168 100
99 53.5 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 54.236 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY022013.D
Acq: 25 Apr 2025 17:02

Tgt Ion: 65 Resp: 147706
Ion Ratio Lower Upper
65 100
67 51.9 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: VY022013.D

Acq: 25 Apr 2025 17:02

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-29-042325

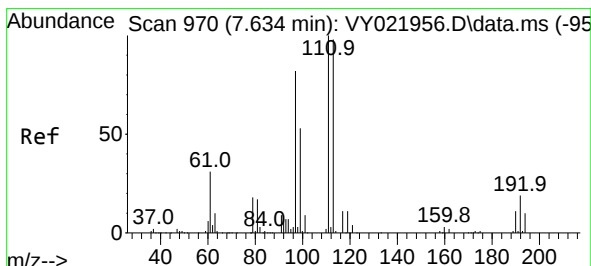
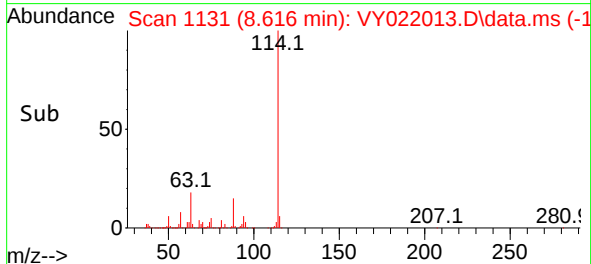
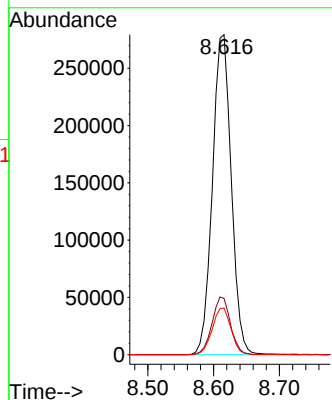
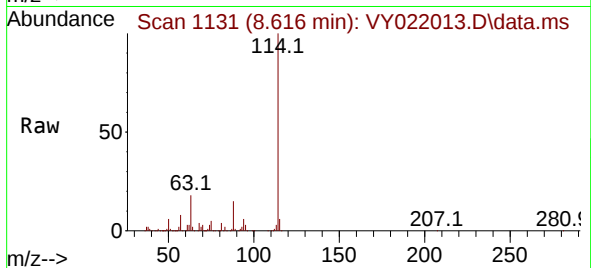
Tgt Ion:114 Resp: 556371

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.4

88 14.6 0.0 28.2



#35

Dibromofluoromethane

Concen: 49.854 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY022013.D

Acq: 25 Apr 2025 17:02

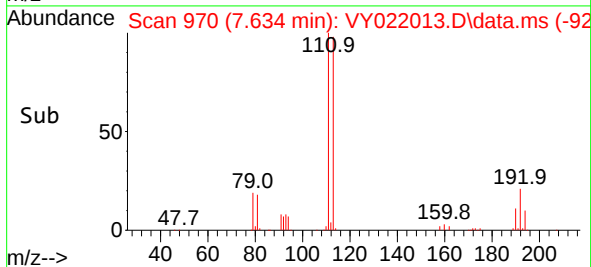
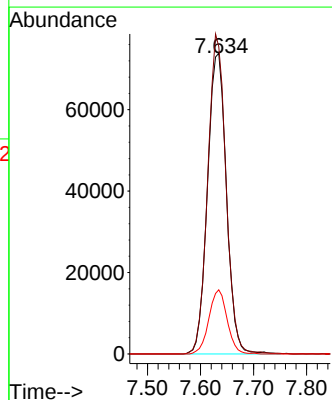
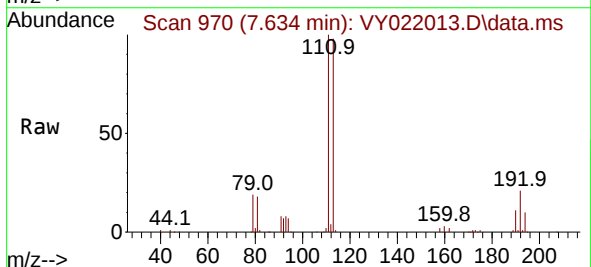
Tgt Ion:113 Resp: 183246

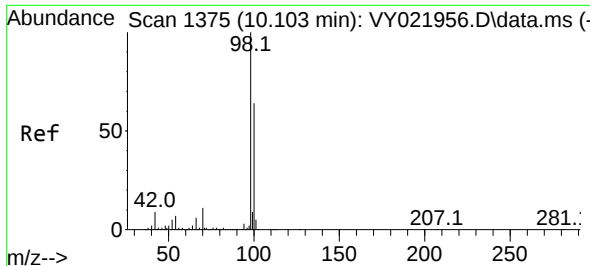
Ion Ratio Lower Upper

113 100

111 102.6 81.8 122.8

192 20.6 15.6 23.4

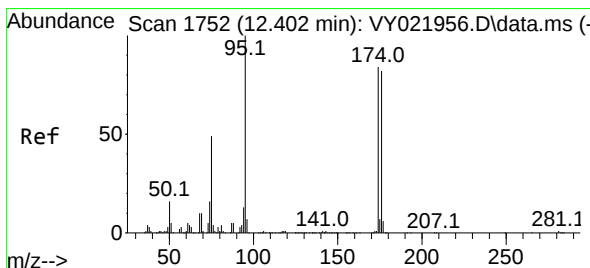
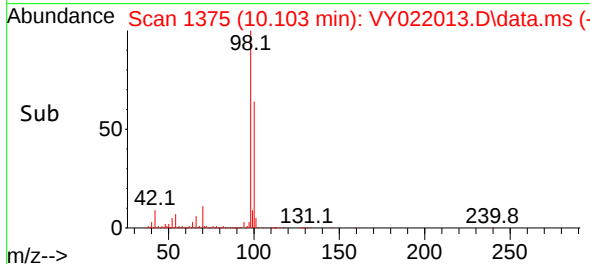
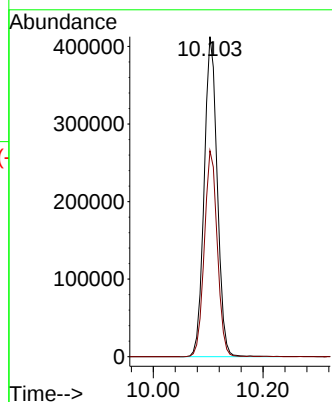
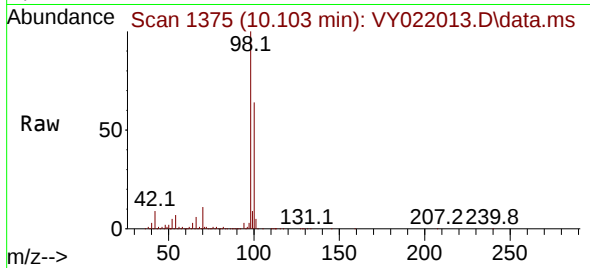




#50
Toluene-d8
Concen: 49.202 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022013.D
Acq: 25 Apr 2025 17:02

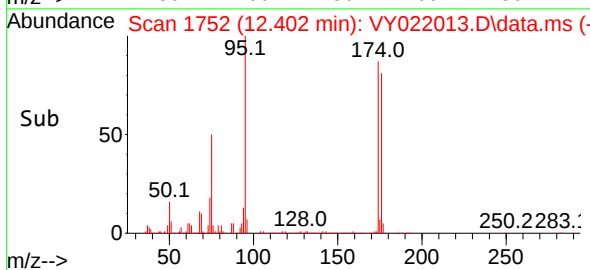
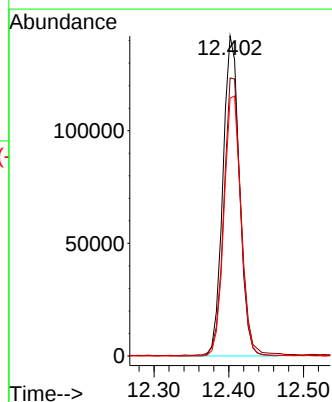
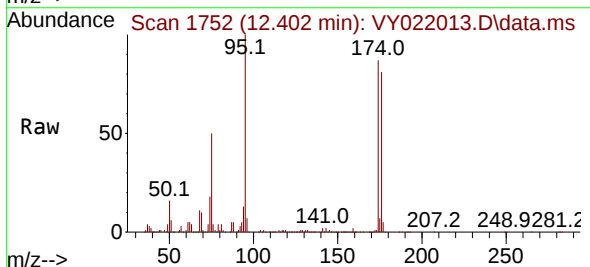
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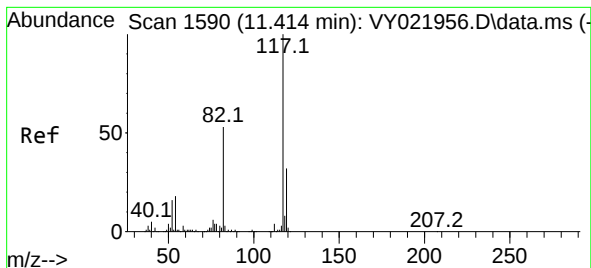
Tgt Ion: 98 Resp: 681813
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 47.187 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY022013.D
Acq: 25 Apr 2025 17:02

Tgt Ion: 95 Resp: 220125
Ion Ratio Lower Upper
95 100
174 90.0 0.0 179.0
176 82.6 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. 0.000 min

Lab File: VY022013.D

Acq: 25 Apr 2025 17:02

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-29-042325

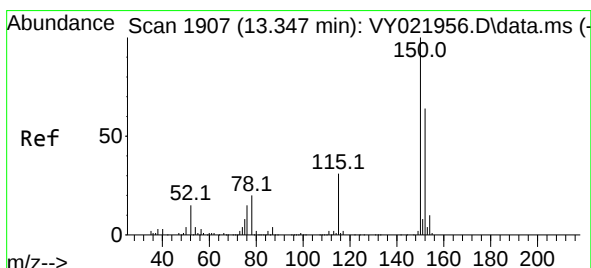
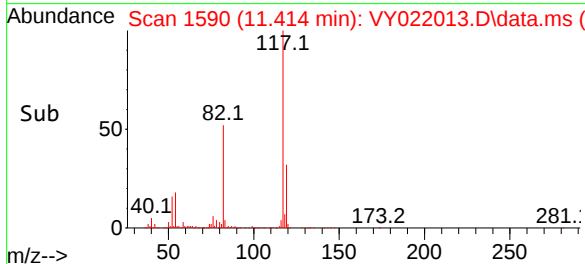
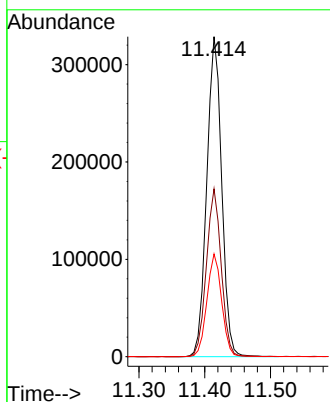
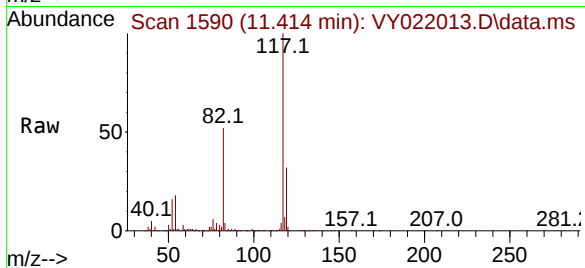
Tgt Ion:117 Resp: 519222

Ion Ratio Lower Upper

117 100

82 52.4 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: VY022013.D

Acq: 25 Apr 2025 17:02

Tgt Ion:152 Resp: 224740

Ion Ratio Lower Upper

152 100

115 57.8 28.0 84.0

150 155.5 0.0 345.6

