

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042525\
 Data File : VY022010.D
 Acq On : 25 Apr 2025 15:52
 Operator : SY/MD
 Sample : Q1878-01
 Misc : 5.61g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-4-042425

Quant Time: Apr 25 22:56:30 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	291659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	557663	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	508444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	215067	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	140209	52.045	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.080%
35) Dibromofluoromethane	7.628	113	183968	49.934	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.860%
50) Toluene-d8	10.103	98	677727	48.794	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.580%
62) 4-Bromofluorobenzene	12.402	95	200004	42.775	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.540%

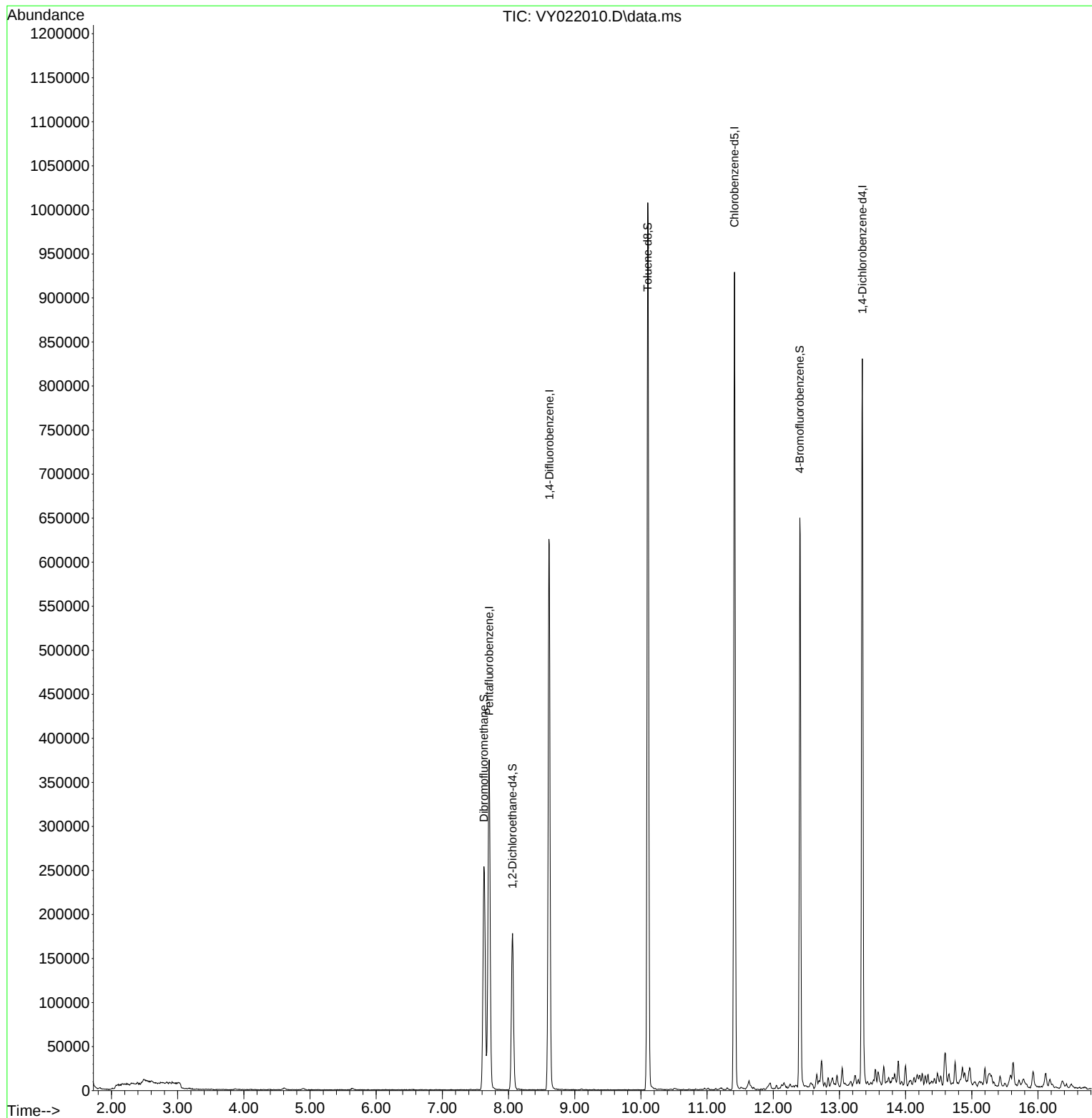
Target Compounds	Qvalue

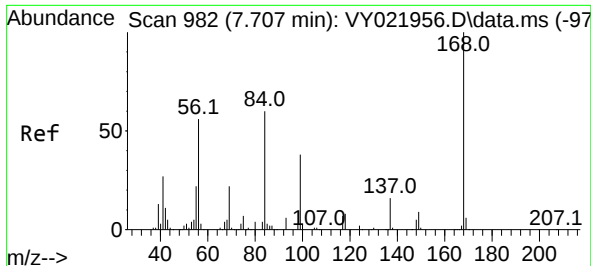
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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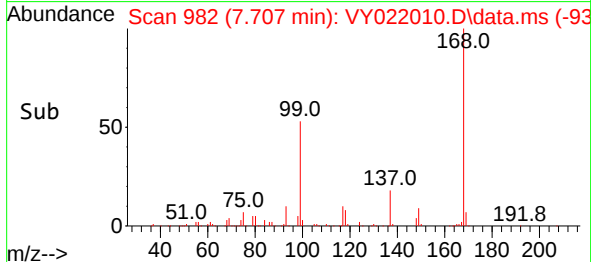
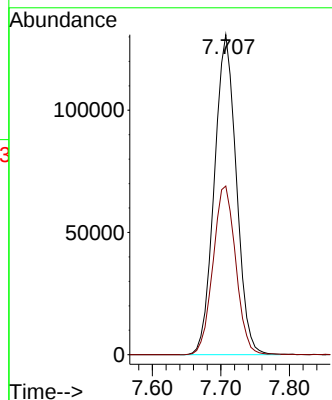
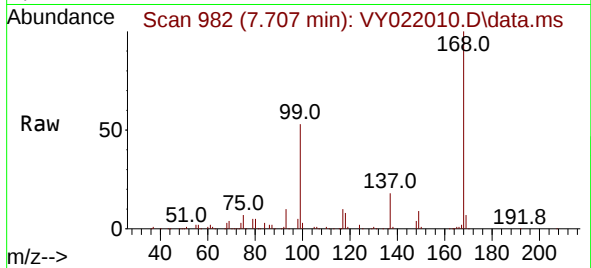




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022010.D
Acq: 25 Apr 2025 15:52

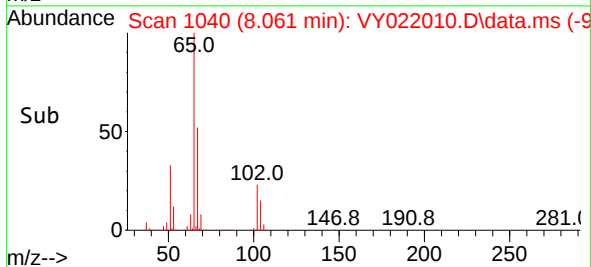
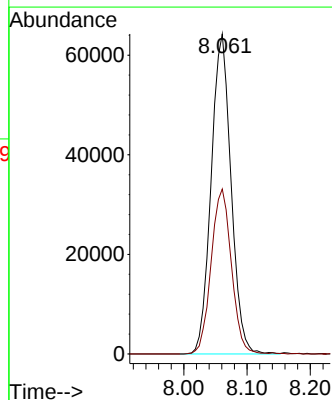
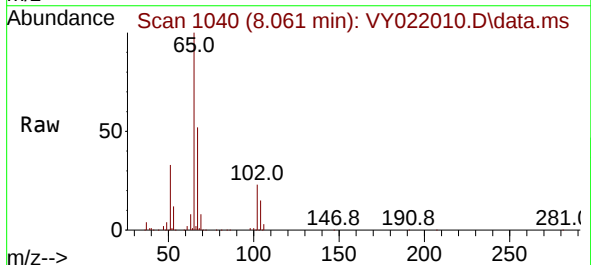
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-042425

Tgt Ion:168 Resp: 291659
Ion Ratio Lower Upper
168 100
99 52.7 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 52.045 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022010.D
Acq: 25 Apr 2025 15:52

Tgt Ion: 65 Resp: 140209
Ion Ratio Lower Upper
65 100
67 52.5 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: VY022010.D

Acq: 25 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

TR-4-042425

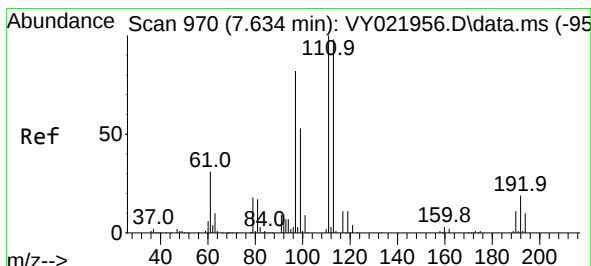
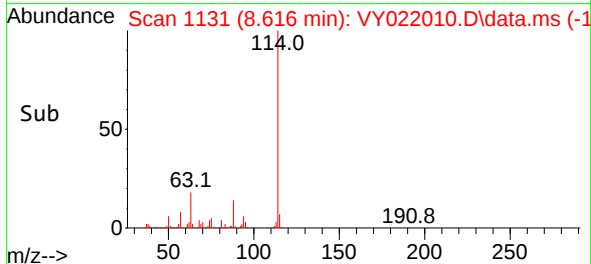
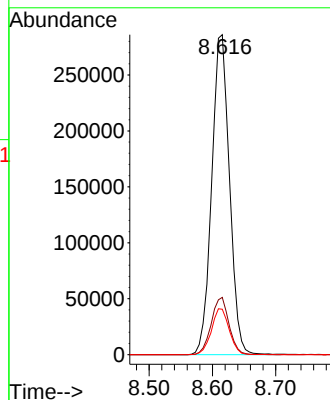
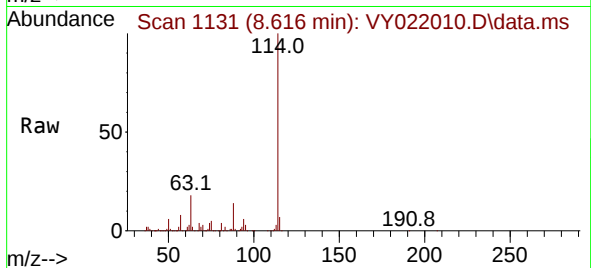
Tgt Ion:114 Resp: 557663

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.4

88 14.2 0.0 28.2



#35

Dibromofluoromethane

Concen: 49.934 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY022010.D

Acq: 25 Apr 2025 15:52

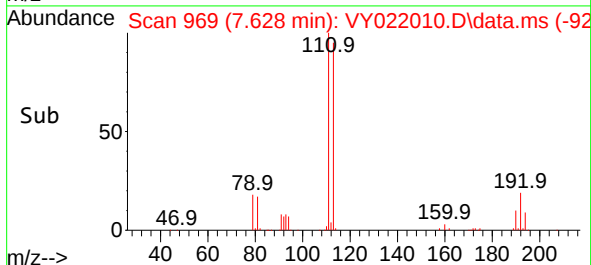
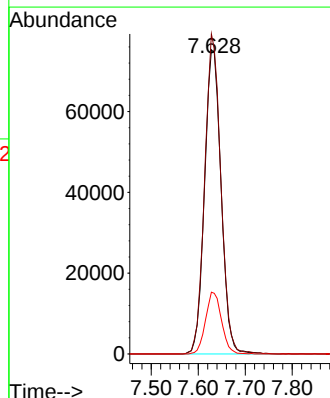
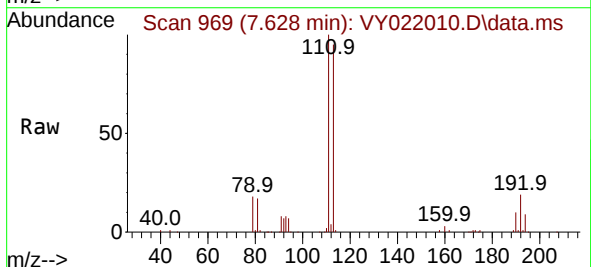
Tgt Ion:113 Resp: 183968

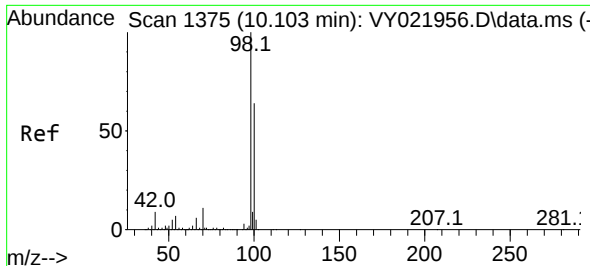
Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.8

192 19.6 15.6 23.4

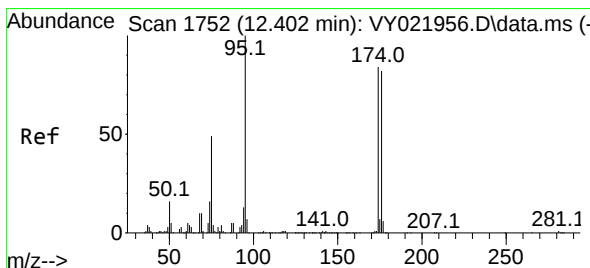
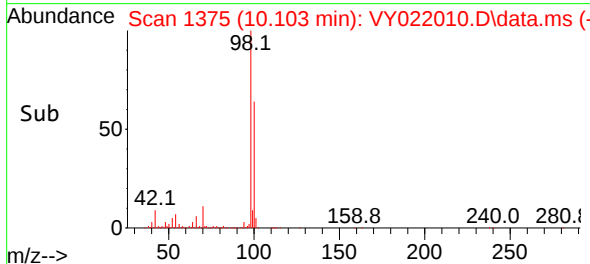
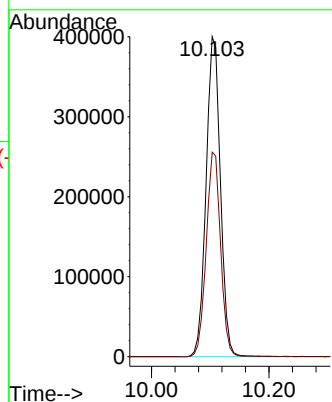
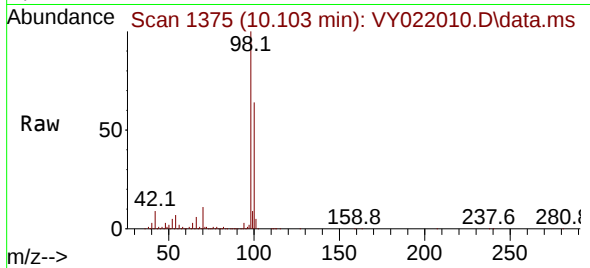




#50
Toluene-d8
Concen: 48.794 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022010.D
Acq: 25 Apr 2025 15:52

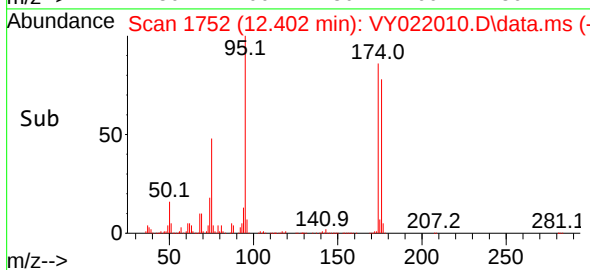
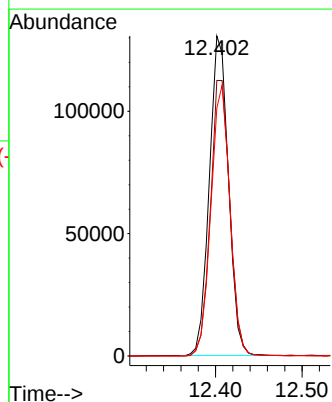
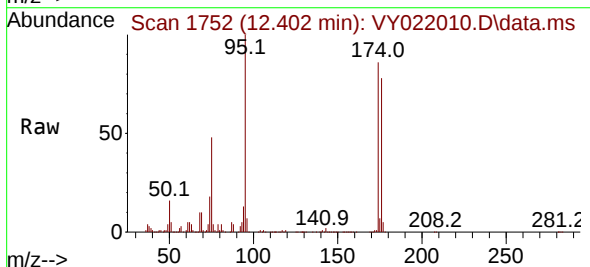
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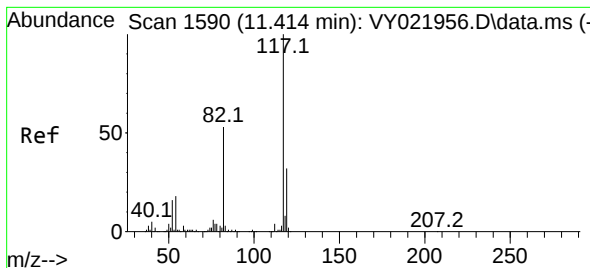
Tgt Ion: 98 Resp: 677727
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 42.775 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022010.D
Acq: 25 Apr 2025 15:52

Tgt Ion: 95 Resp: 200004
Ion Ratio Lower Upper
95 100
174 87.8 0.0 179.0
176 84.4 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: VY022010.D

Acq: 25 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

TR-4-042425

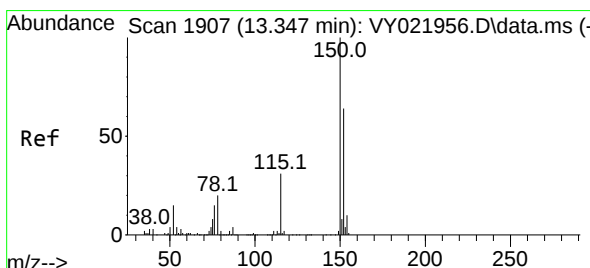
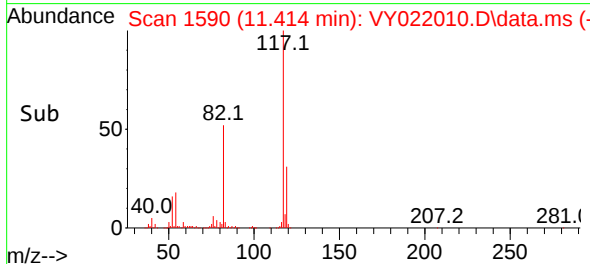
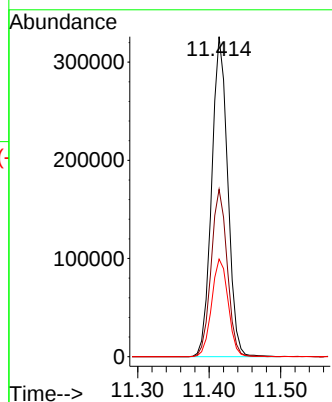
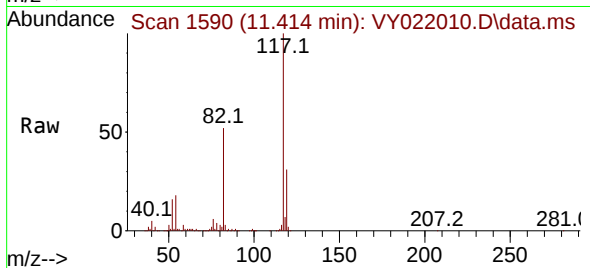
Tgt Ion:117 Resp: 508444

Ion Ratio Lower Upper

117 100

82 52.3 42.1 63.1

119 30.5 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: VY022010.D

Acq: 25 Apr 2025 15:52

Tgt Ion:152 Resp: 215067

Ion Ratio Lower Upper

152 100

115 57.8 28.0 84.0

150 157.8 0.0 345.6

