

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022358.D
 Acq On : 21 May 2025 11:37
 Operator : SY/MD
 Sample : Q2056-05
 Misc : 6.92g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GVD15

Quant Time: May 22 00:07:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	236757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	411751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	277651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	64045	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	125446	48.481	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.960%
35) Dibromofluoromethane	7.640	113	125883	51.223	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.440%
50) Toluene-d8	10.109	98	473741	47.067	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.140%
62) 4-Bromofluorobenzene	12.414	95	88724	27.811	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	55.620%

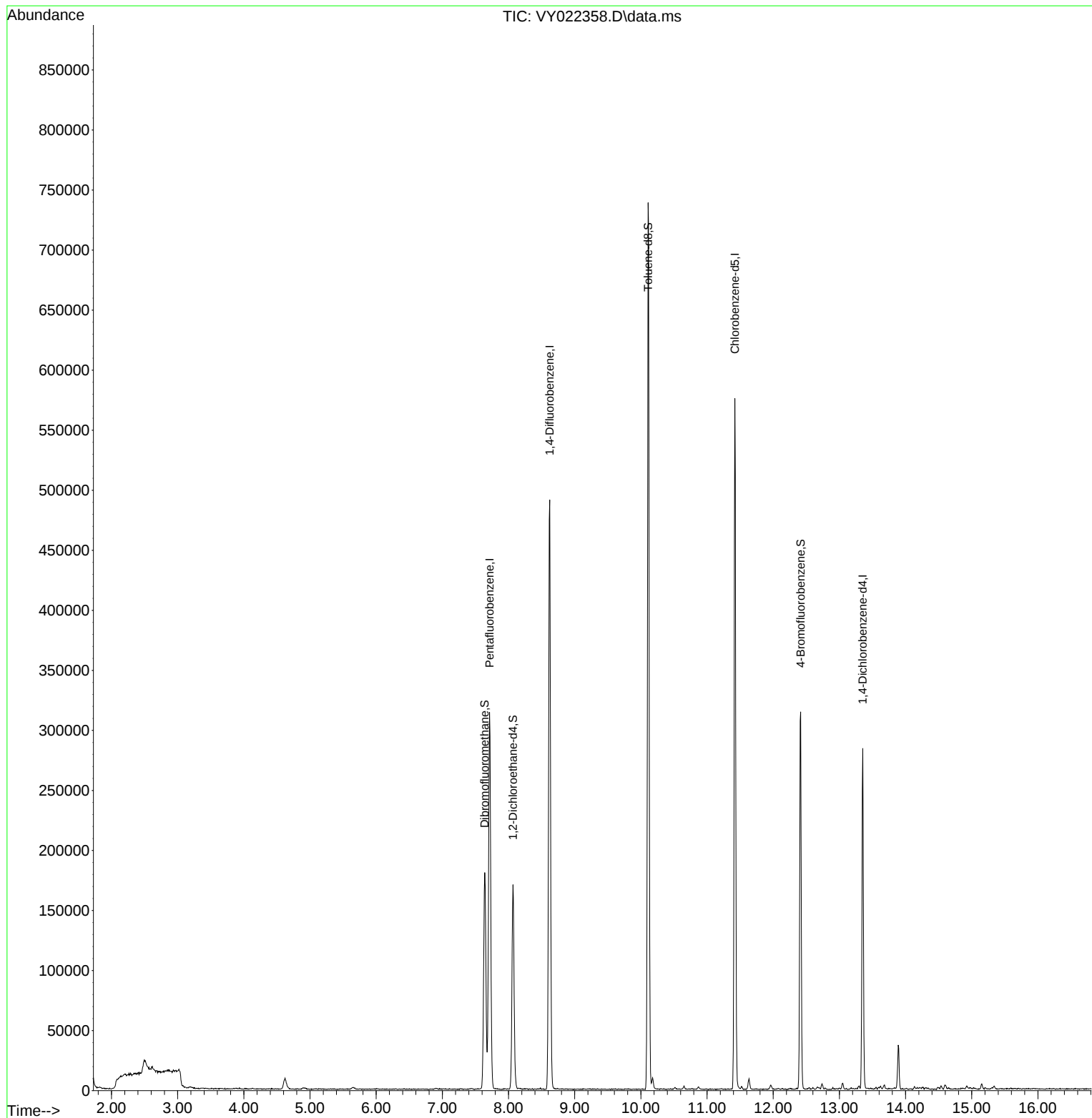
Target Compounds	Qvalue

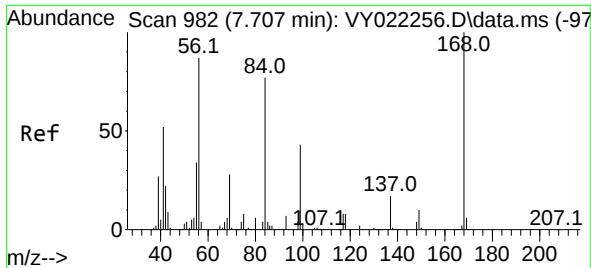
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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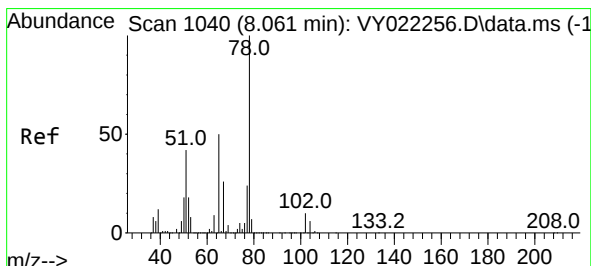
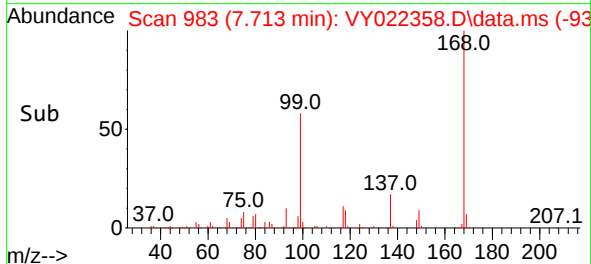
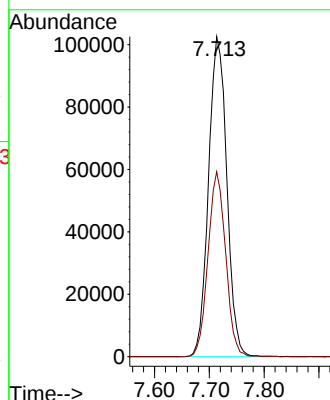
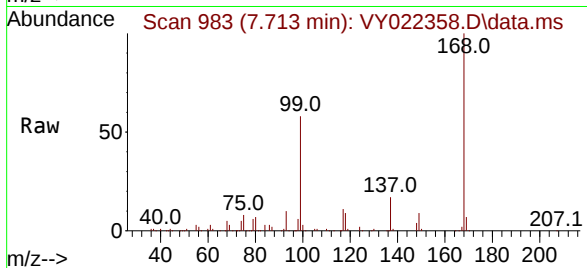




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022358.D
Acq: 21 May 2025 11:37

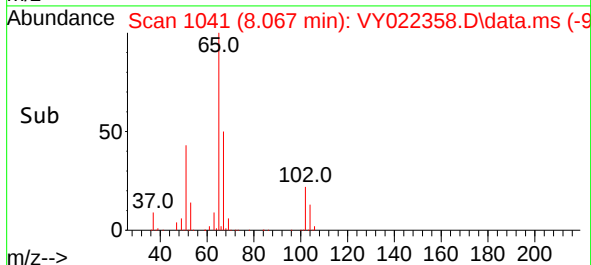
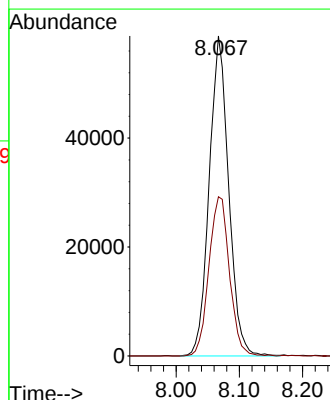
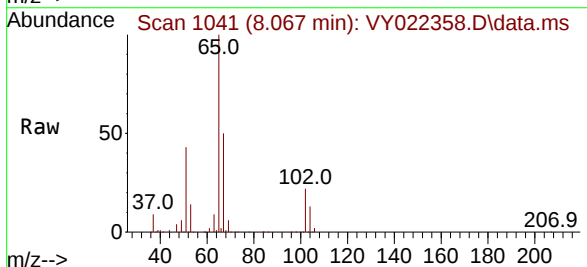
Instrument :
MSVOA_Y
ClientSampleId :
GVD15

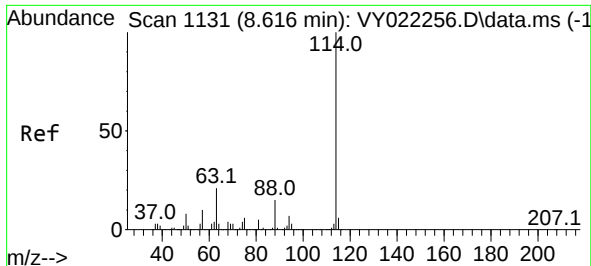
Tgt Ion:168 Resp: 236757
Ion Ratio Lower Upper
168 100
99 57.8 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 48.481 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022358.D
Acq: 21 May 2025 11:37

Tgt Ion: 65 Resp: 125446
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.6

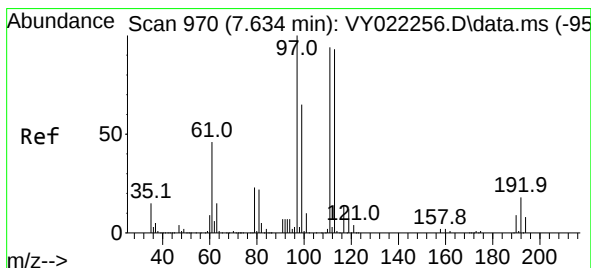
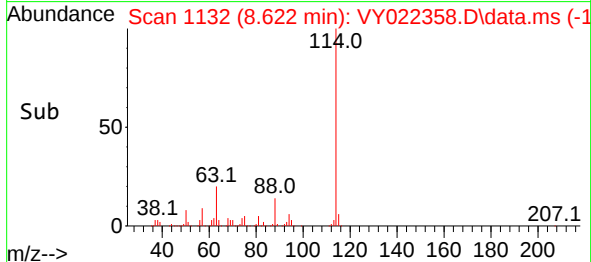
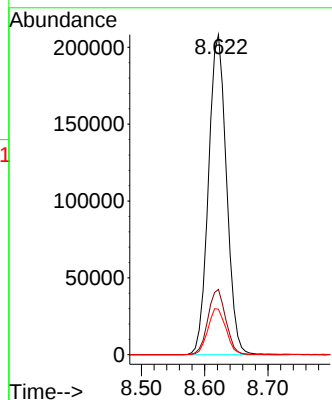
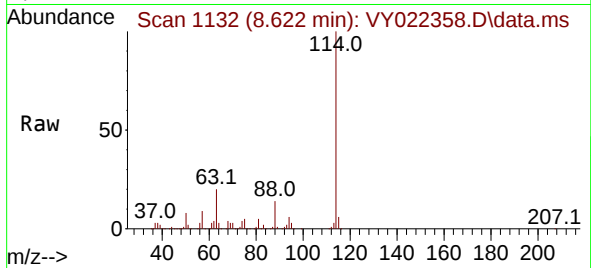




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY022358.D
Acq: 21 May 2025 11:37

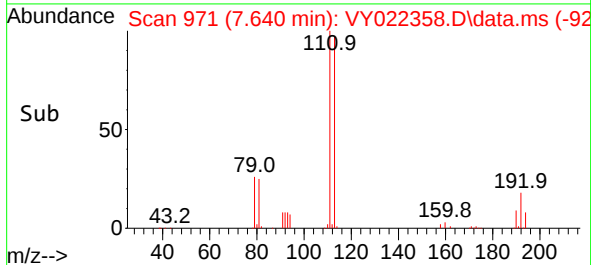
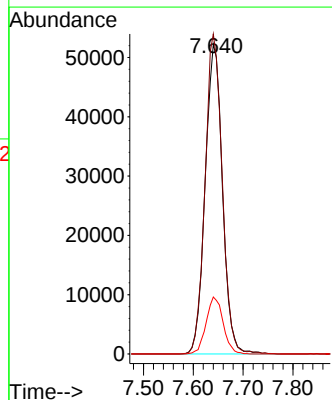
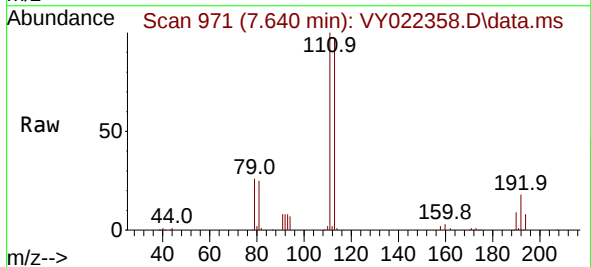
Instrument :
MSVOA_Y
ClientSampleId :
GVD15

Tgt Ion:114 Resp: 411751
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.0
88 14.2 0.0 29.4



#35
Dibromofluoromethane
Concen: 51.223 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY022358.D
Acq: 21 May 2025 11:37

Tgt Ion:113 Resp: 125883
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 18.1 15.2 22.8

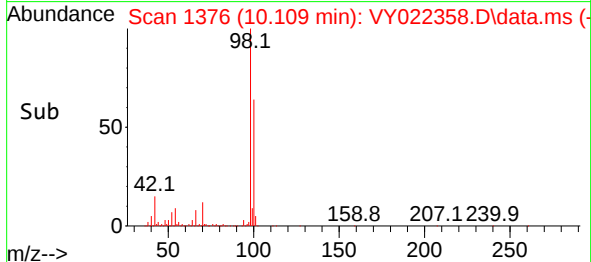
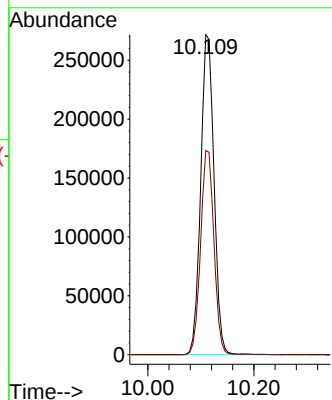
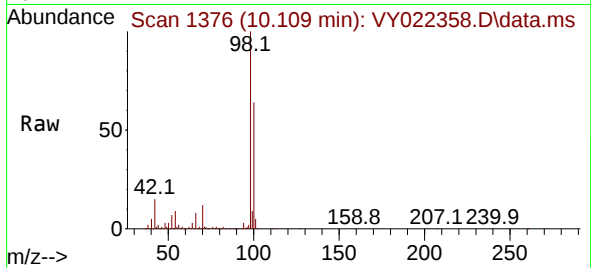




#50
Toluene-d8
Concen: 47.067 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022358.D
Acq: 21 May 2025 11:37

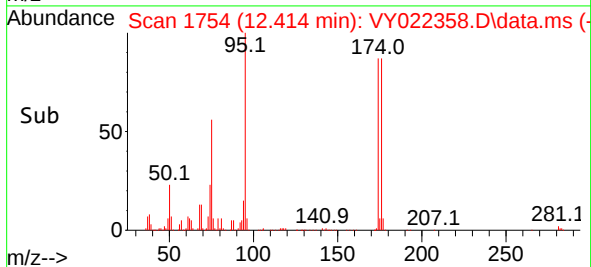
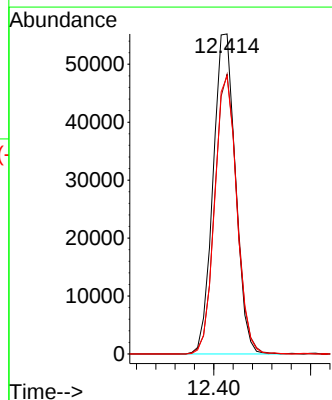
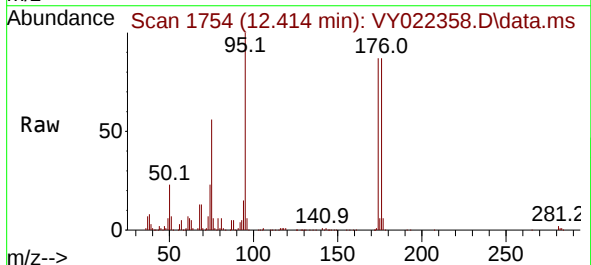
Instrument :
MSVOA_Y
ClientSampleId :
GVD15

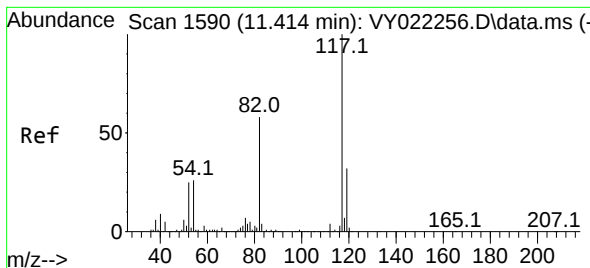
Tgt Ion: 98 Resp: 473741
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 27.811 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022358.D
Acq: 21 May 2025 11:37

Tgt Ion: 95 Resp: 88724
Ion Ratio Lower Upper
95 100
174 86.2 0.0 166.8
176 85.4 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022358.D

Acq: 21 May 2025 11:37

Instrument :

MSVOA_Y

ClientSampleId :

GVD15

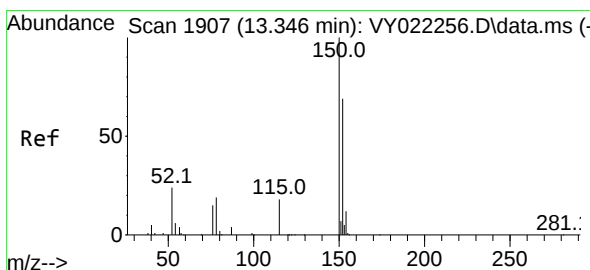
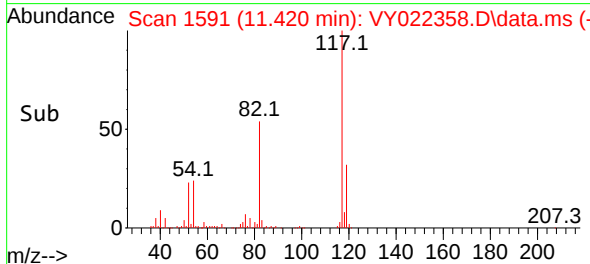
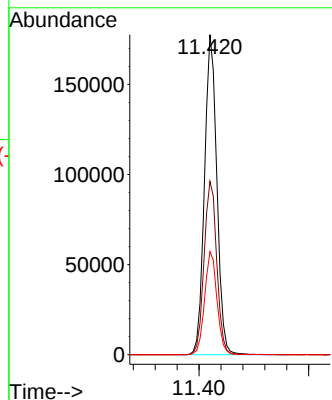
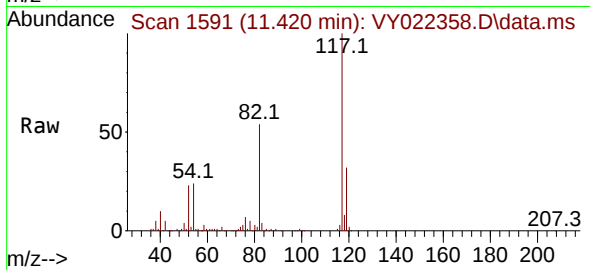
Tgt Ion:117 Resp: 277651

Ion Ratio Lower Upper

117 100

82 54.2 46.6 70.0

119 32.2 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022358.D

Acq: 21 May 2025 11:37

Tgt Ion:152 Resp: 64045

Ion Ratio Lower Upper

152 100

115 57.4 29.4 88.2

150 159.2 0.0 353.8

