

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022508.D
 Acq On : 02 Jun 2025 19:31
 Operator : SY/MD
 Sample : Q2161-01
 Misc : 6.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B27-SOIL-SAMPLE

Quant Time: Jun 03 04:10:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	13361	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	19969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	11738	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	2342	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	5802	38.826	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	77.660%
35) Dibromofluoromethane	7.634	113	2487	20.866	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	41.740%#
50) Toluene-d8	10.109	98	21085	43.780	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.560%
62) 4-Bromofluorobenzene	12.408	95	3274	22.816	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	45.640%

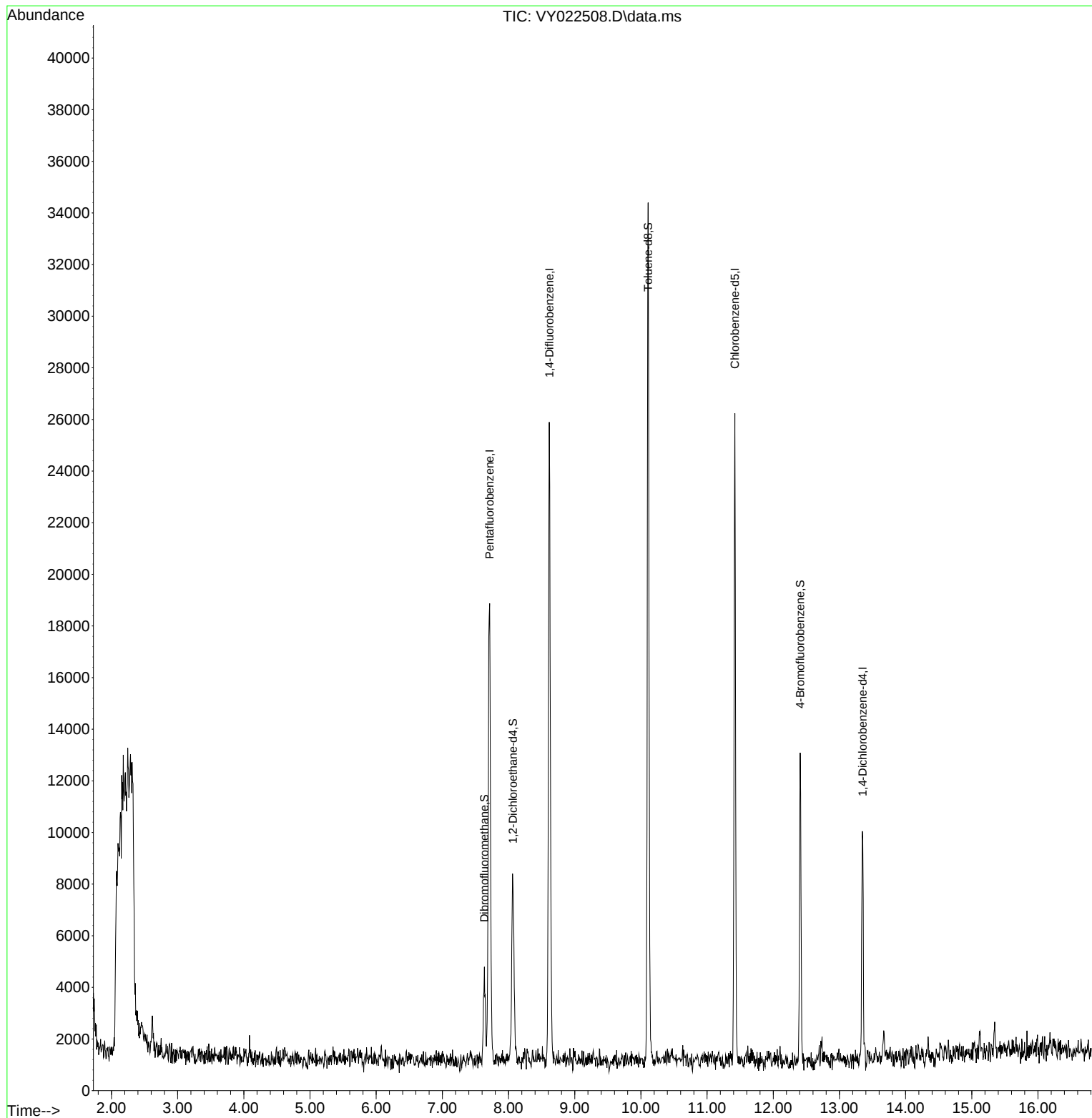
Target Compounds	Qvalue

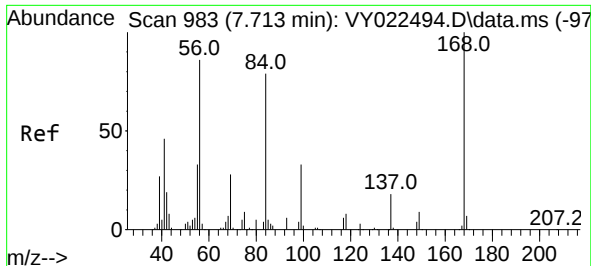
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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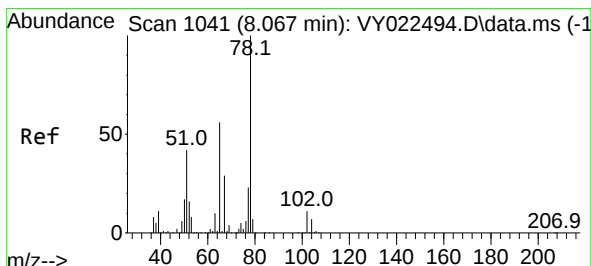
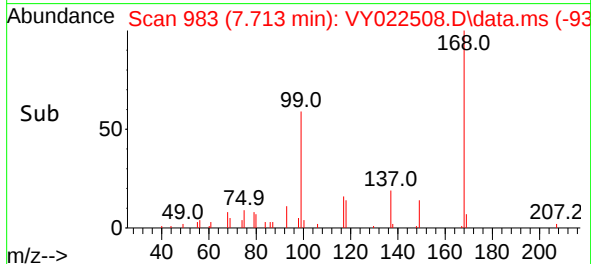
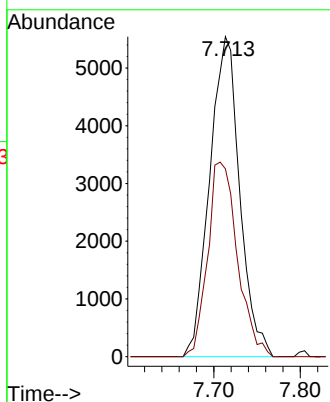
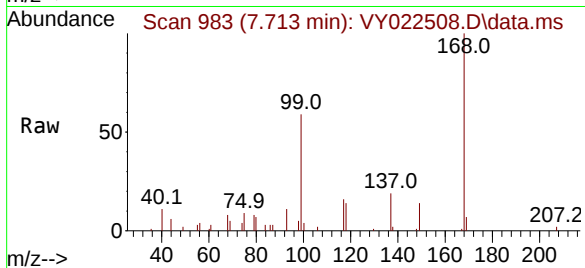




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022508.D
Acq: 02 Jun 2025 19:31

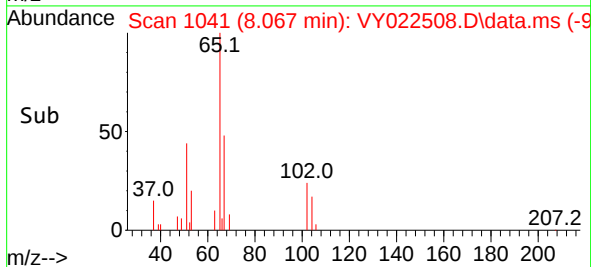
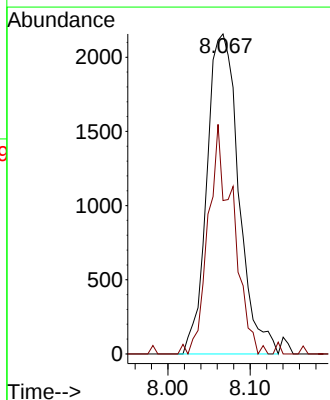
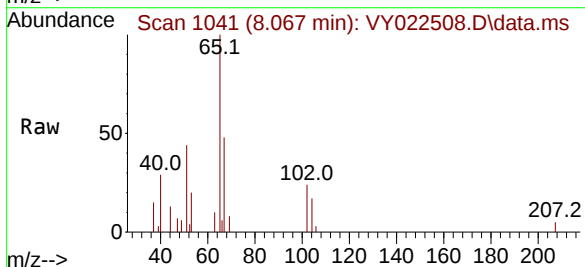
Instrument :
MSVOA_Y
ClientSampleId :
B27-SOIL-SAMPLE

Tgt Ion:168 Resp: 13361
Ion Ratio Lower Upper
168 100
99 58.7 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 38.826 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022508.D
Acq: 02 Jun 2025 19:31

Tgt Ion: 65 Resp: 5802
Ion Ratio Lower Upper
65 100
67 56.3 0.0 103.4

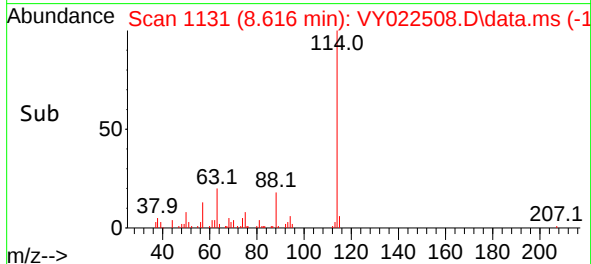
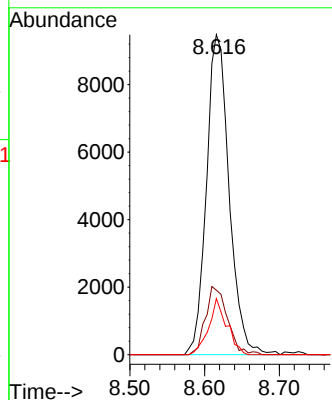
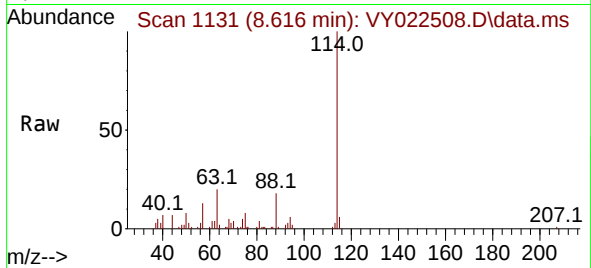




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022508.D
Acq: 02 Jun 2025 19:31

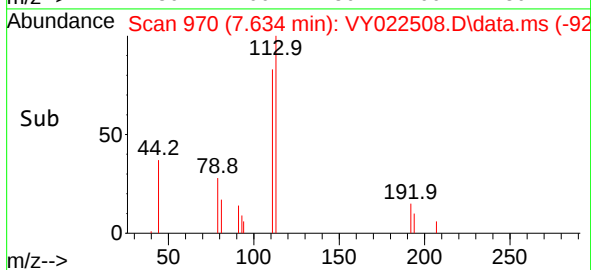
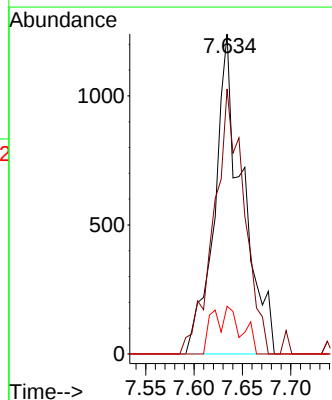
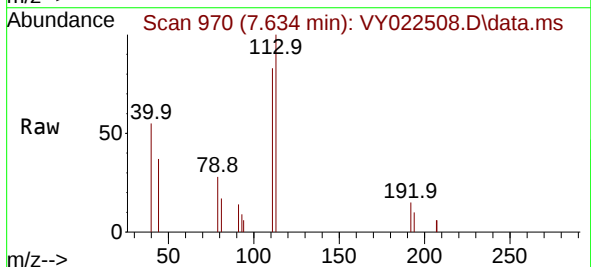
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ClientSampleId :
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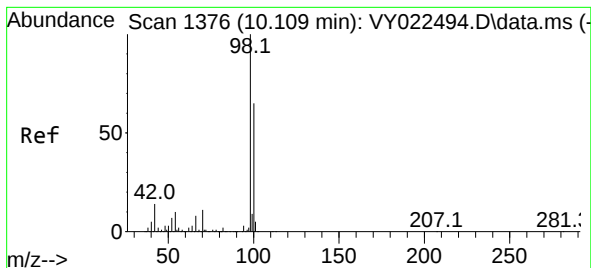
Tgt Ion:	114	Resp:	19969
Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.8
88	17.6	0.0	27.8



#35
Dibromofluoromethane
Concen: 20.866 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022508.D
Acq: 02 Jun 2025 19:31

Tgt Ion:	113	Resp:	2487
Ion	Ratio	Lower	Upper
113	100		
111	89.5	81.1	121.7
192	6.0	14.2	21.2

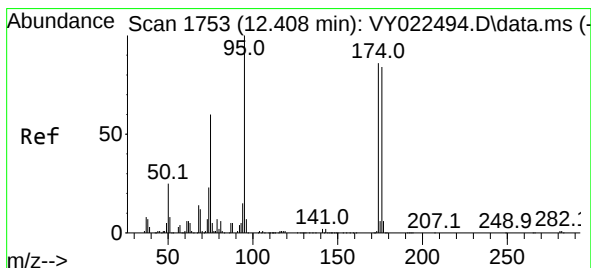
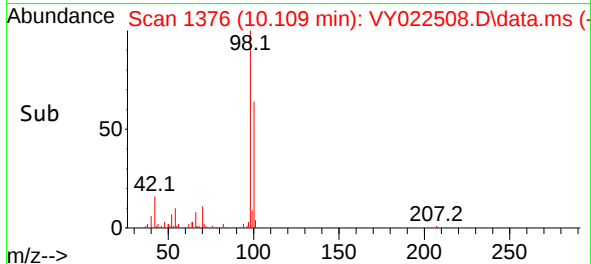
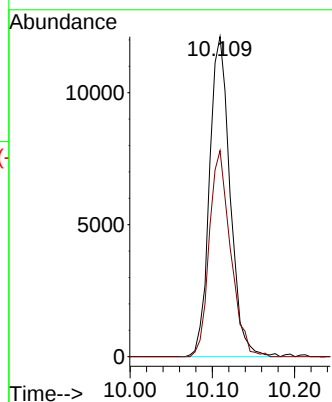
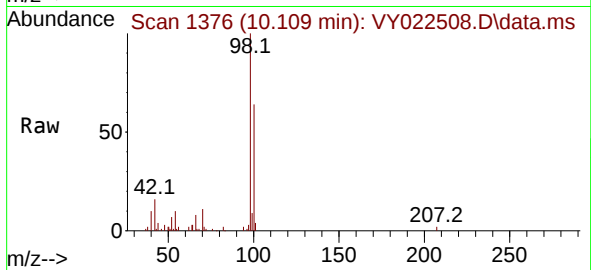




#50
Toluene-d8
Concen: 43.780 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022508.D
Acq: 02 Jun 2025 19:31

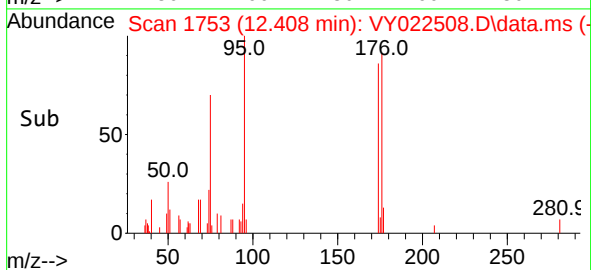
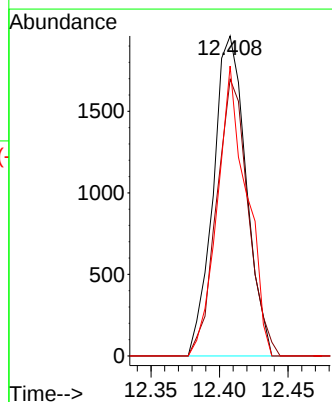
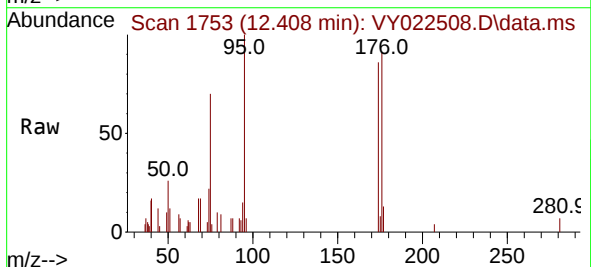
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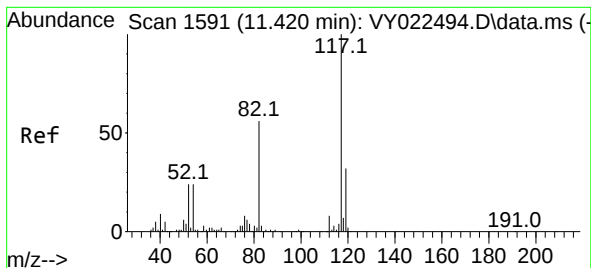
Tgt Ion: 98 Resp: 21085
Ion Ratio Lower Upper
98 100
100 66.5 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 22.816 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022508.D
Acq: 02 Jun 2025 19:31

Tgt Ion: 95 Resp: 3274
Ion Ratio Lower Upper
95 100
174 83.1 0.0 170.0
176 81.3 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11738

Delta R.T. -0.000 min

Lab File: VY022508.D

Acq: 02 Jun 2025 19:31

Instrument :

MSVOA_Y

ClientSampleId :

B27-SOIL-SAMPLE

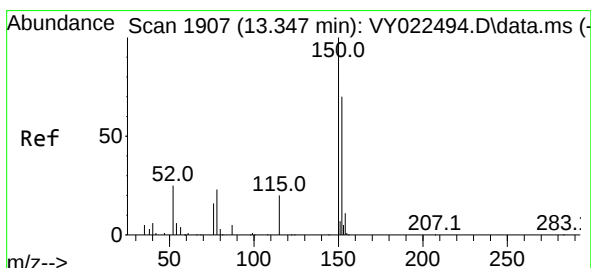
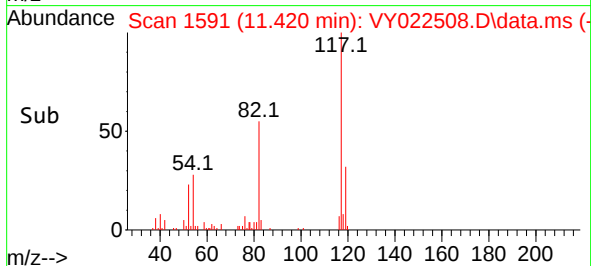
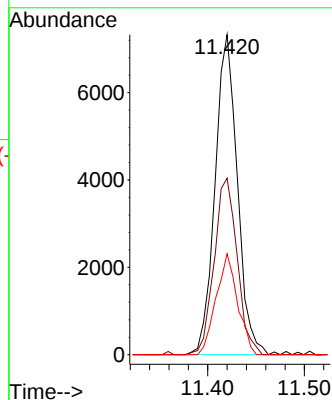
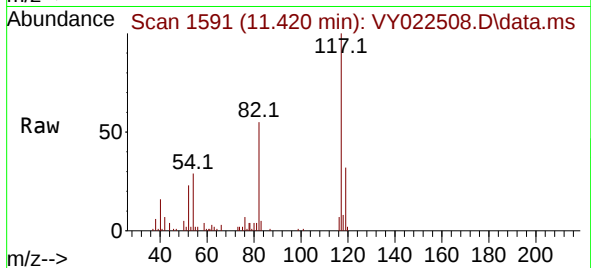
Tgt Ion:117 Resp: 11738

Ion Ratio Lower Upper

117 100

82 55.1 44.6 66.8

119 31.6 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022508.D

Acq: 02 Jun 2025 19:31

Tgt Ion:152 Resp: 2342

Ion Ratio Lower Upper

152 100

115 57.1 28.9 86.7

150 158.9 0.0 349.6

