

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090225\
 Data File : VY023253.D
 Acq On : 02 Sep 2025 10:05
 Operator : SY/MD
 Sample : VY0902SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0902SBL01

Quant Time: Sep 03 03:26:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	633947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1182526	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1069383	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	430142	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	332206	54.983	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.960%
35) Dibromofluoromethane	7.640	113	383018	54.130	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.260%
50) Toluene-d8	10.109	98	1409057	50.974	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.940%
62) 4-Bromofluorobenzene	12.408	95	413665	46.533	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.060%

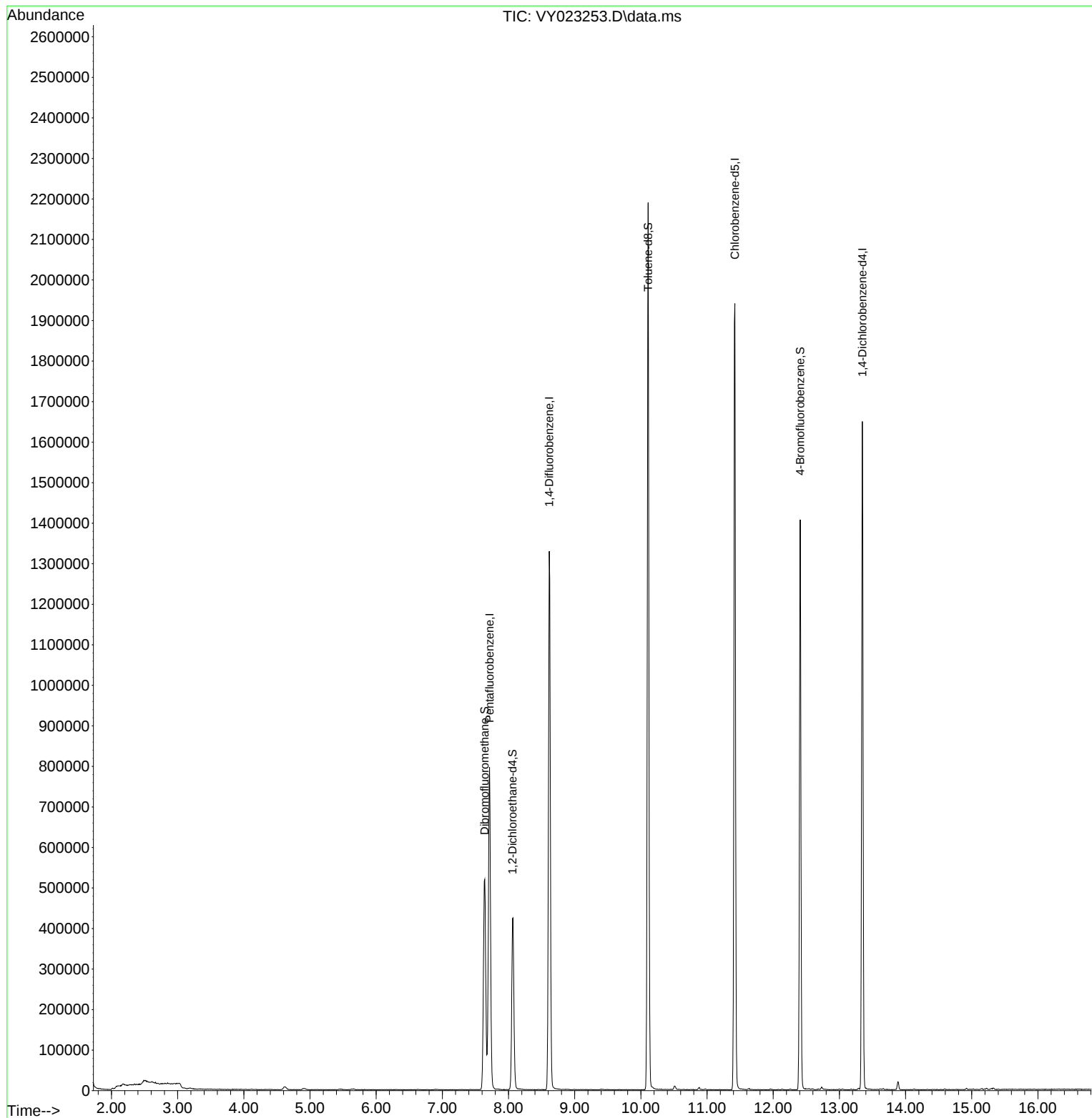
Target Compounds	Qvalue

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

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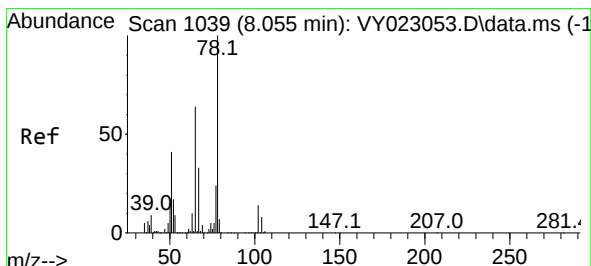
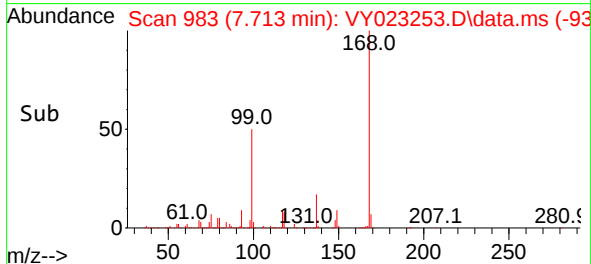
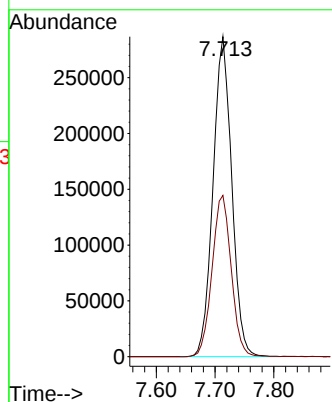
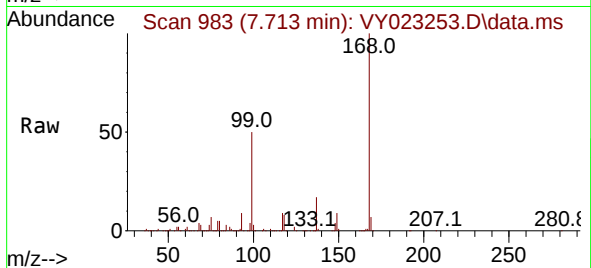




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023253.D
Acq: 02 Sep 2025 10:05

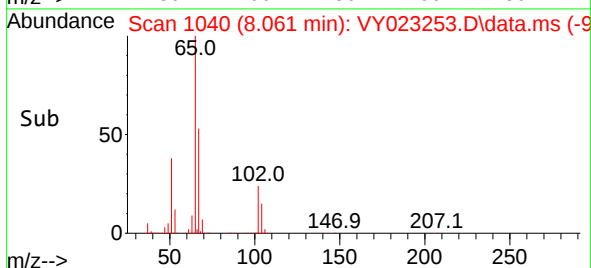
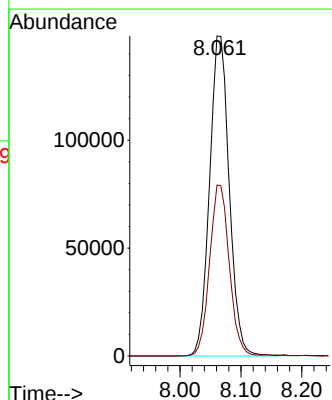
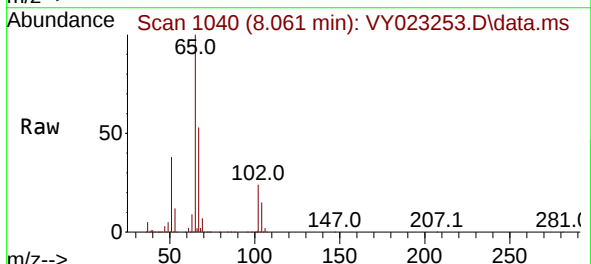
Instrument :
MSVOA_Y
ClientSampleId :
VY0902SBL01

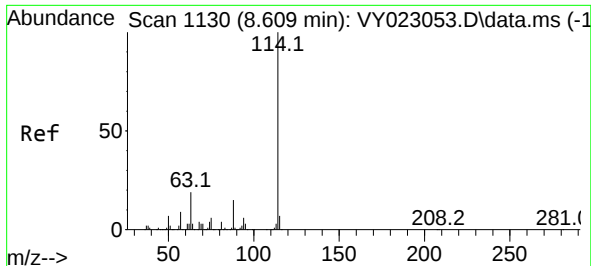
Tgt Ion:168 Resp: 633947
Ion Ratio Lower Upper
168 100
99 50.4 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 54.983 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023253.D
Acq: 02 Sep 2025 10:05

Tgt Ion: 65 Resp: 332206
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.8

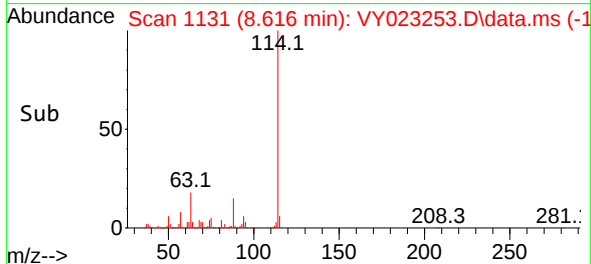
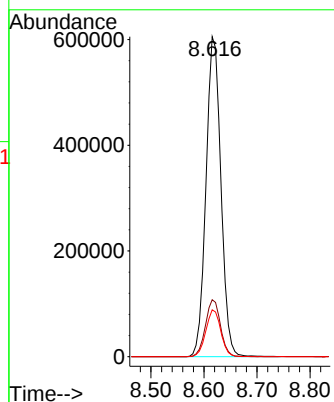
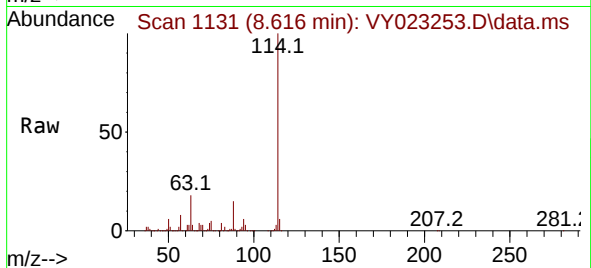




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023253.D
Acq: 02 Sep 2025 10:05

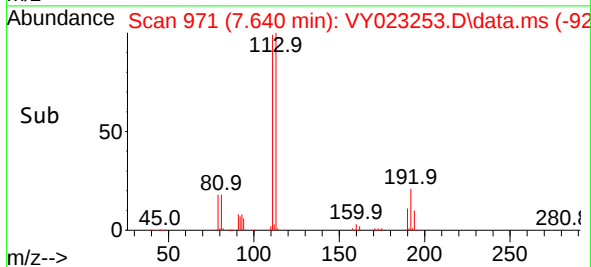
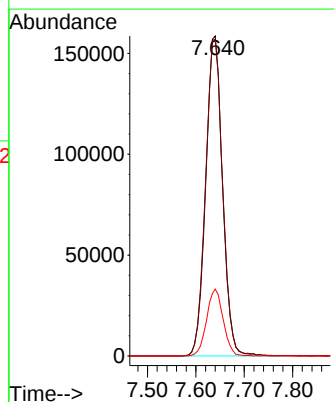
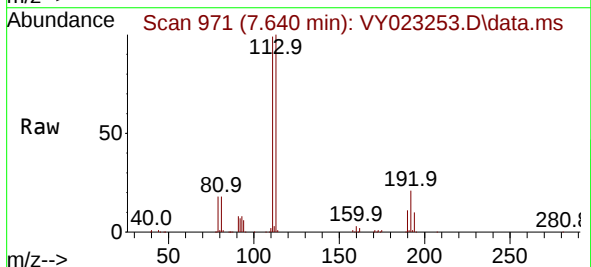
Instrument :
MSVOA_Y
ClientSampleId :
VY0902SBL01

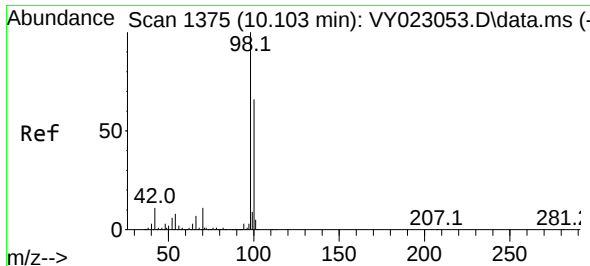
Tgt Ion:114 Resp: 1182526
Ion Ratio Lower Upper
114 100
63 17.8 0.0 38.4
88 14.7 0.0 30.0



#35
Dibromofluoromethane
Concen: 54.130 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.012 min
Lab File: VY023253.D
Acq: 02 Sep 2025 10:05

Tgt Ion:113 Resp: 383018
Ion Ratio Lower Upper
113 100
111 100.9 81.1 121.7
192 20.6 16.2 24.4

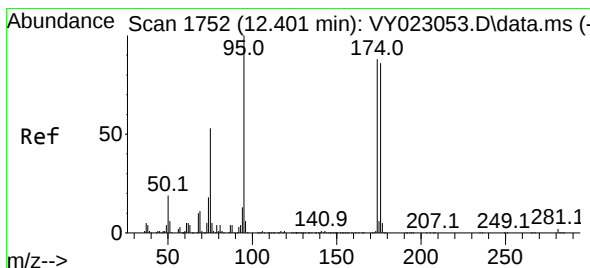
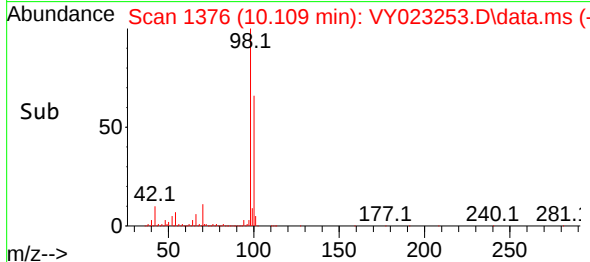
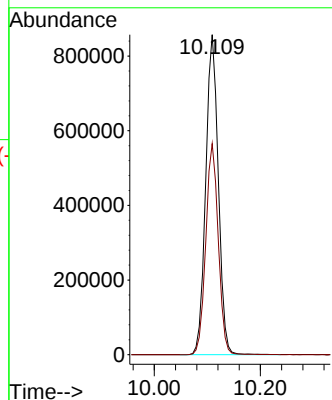
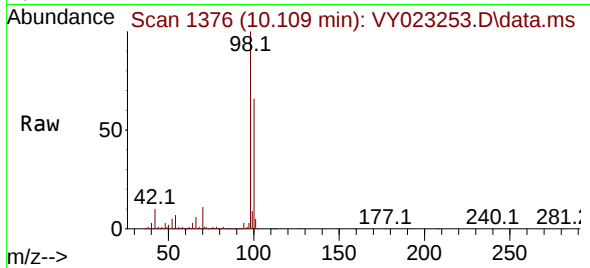




#50
Toluene-d8
Concen: 50.974 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023253.D
Acq: 02 Sep 2025 10:05

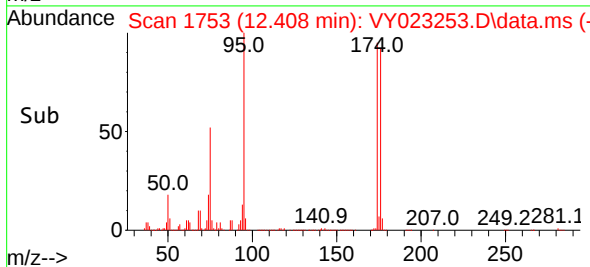
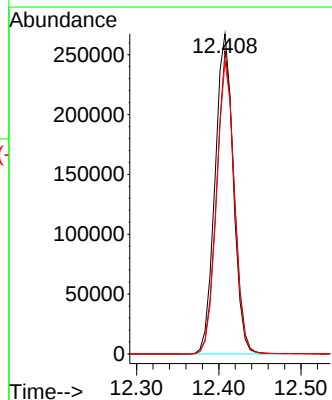
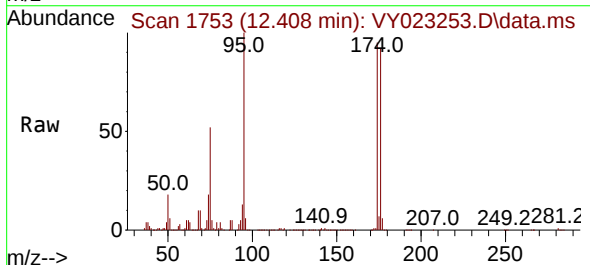
Instrument :
MSVOA_Y
ClientSampleId :
VY0902SBL01

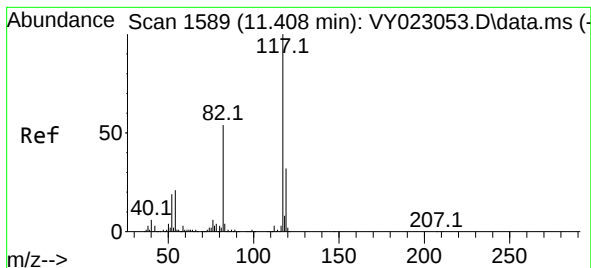
Tgt Ion: 98 Resp: 1409057
Ion Ratio Lower Upper
98 100
100 65.5 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 46.533 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023253.D
Acq: 02 Sep 2025 10:05

Tgt Ion: 95 Resp: 413665
Ion Ratio Lower Upper
95 100
174 91.8 0.0 171.6
176 89.2 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023253.D

Acq: 02 Sep 2025 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0902SBL01

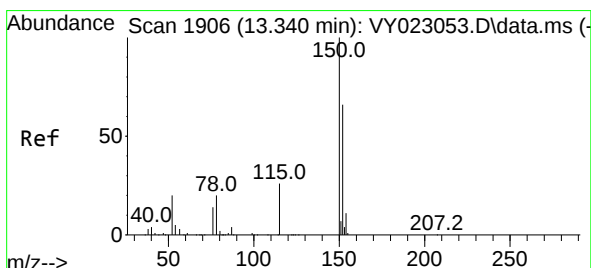
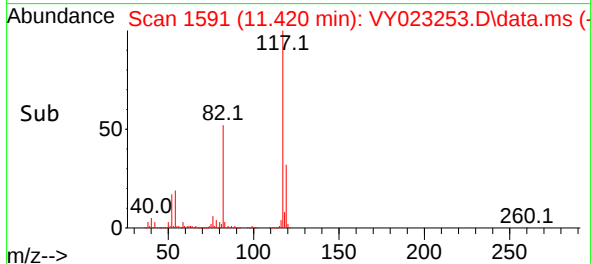
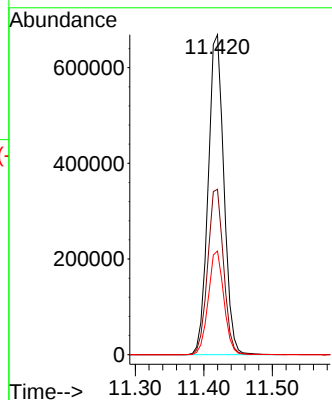
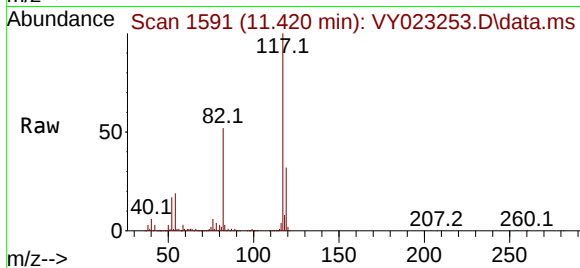
Tgt Ion:117 Resp: 1069383

Ion Ratio Lower Upper

117 100

82 51.7 43.4 65.0

119 32.4 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023253.D

Acq: 02 Sep 2025 10:05

Tgt Ion:152 Resp: 430142

Ion Ratio Lower Upper

152 100

115 55.6 28.2 84.6

150 156.9 0.0 348.0

