

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023073.D
 Acq On : 13 Aug 2025 16:30
 Operator : SY/MD
 Sample : Q2819-11
 Misc : 5.46g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 84SB-W

Quant Time: Aug 14 01:26:18 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	7.707	168	153832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	260153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	196566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	66820	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	77906	53.137	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.280%
35) Dibromofluoromethane	7.628	113	84686	54.402	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.800%
50) Toluene-d8	10.103	98	298869	49.146	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.300%
62) 4-Bromofluorobenzene	12.402	95	73961	37.818	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.640%

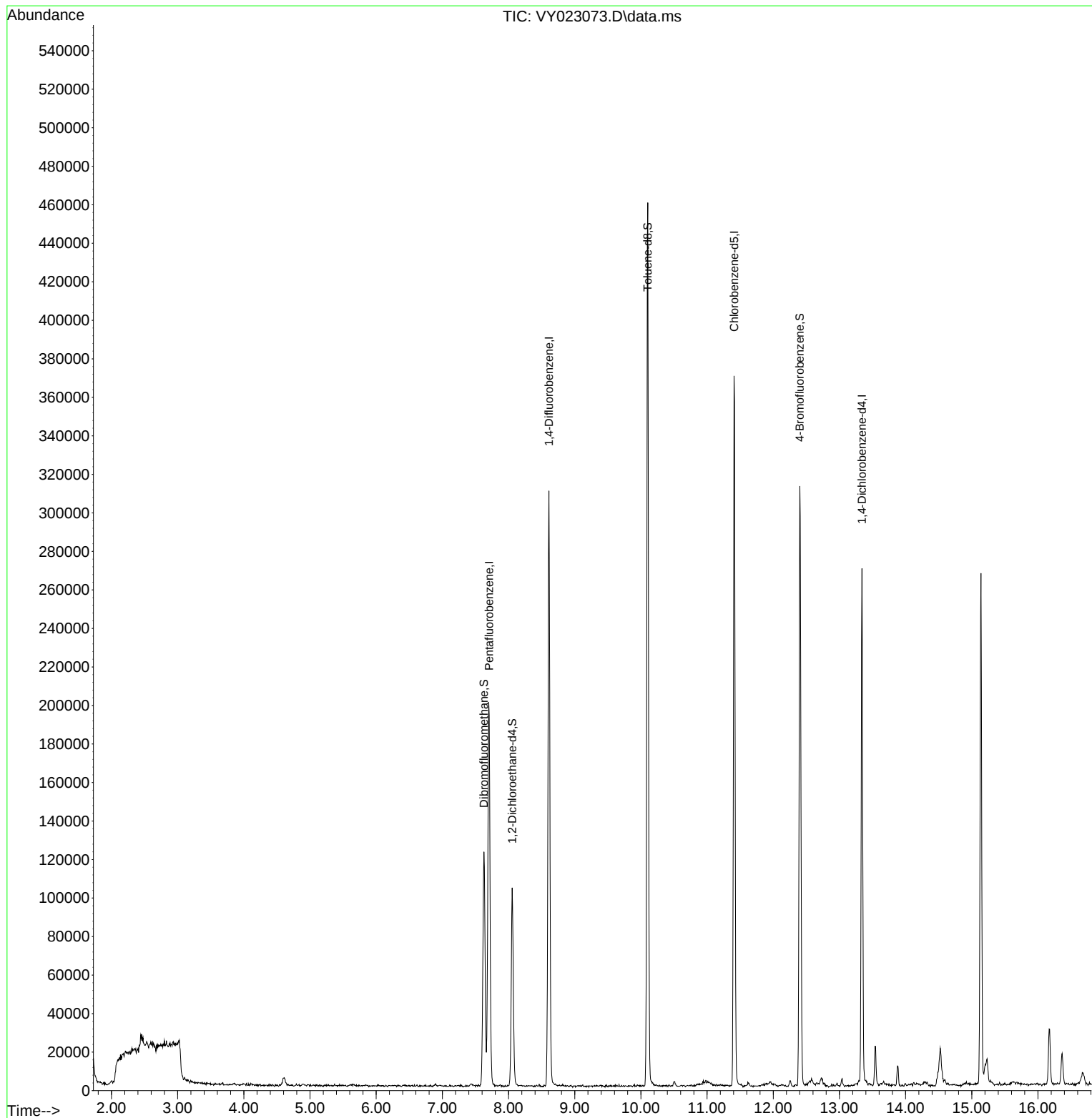
Target Compounds	Qvalue

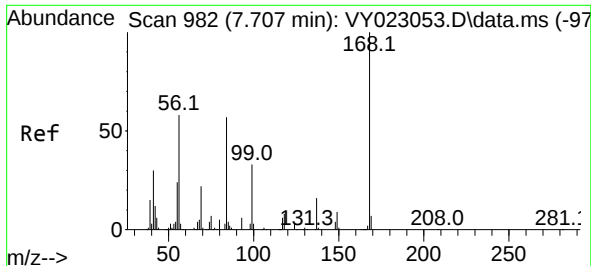
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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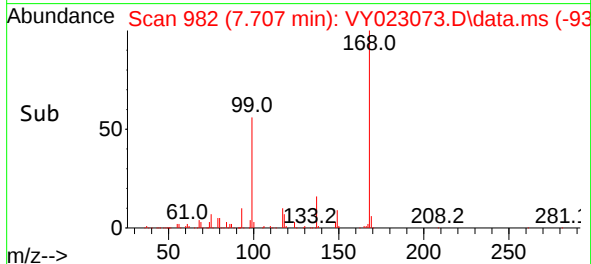
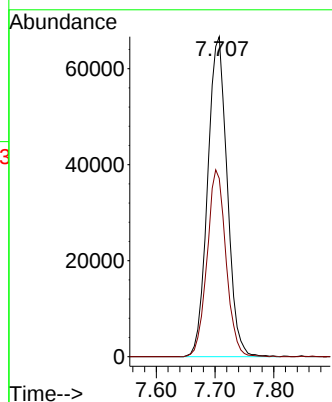
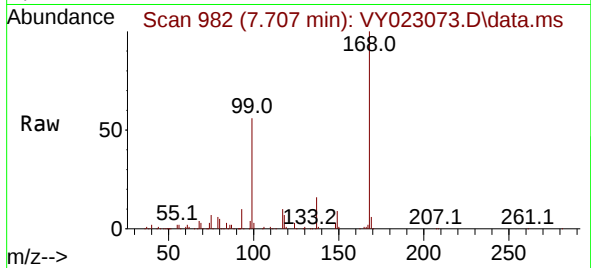




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023073.D
Acq: 13 Aug 2025 16:30

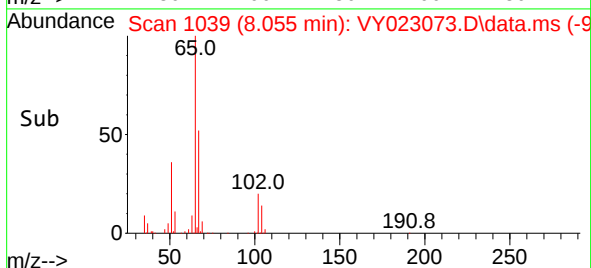
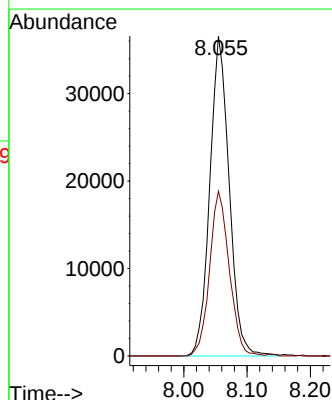
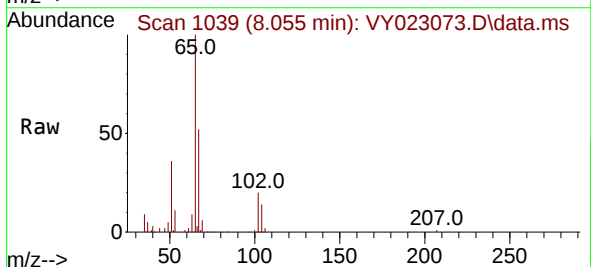
Instrument :
MSVOA_Y
ClientSampleId :
84SB-W

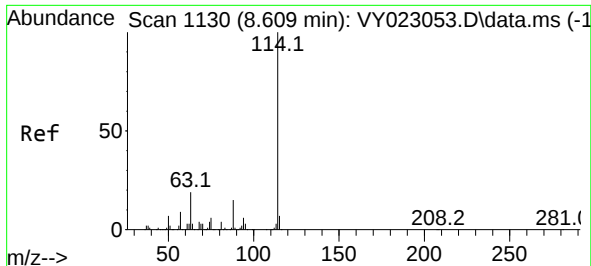
Tgt Ion:168 Resp: 153832
Ion Ratio Lower Upper
168 100
99 55.7 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 53.137 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY023073.D
Acq: 13 Aug 2025 16:30

Tgt Ion: 65 Resp: 77906
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.8

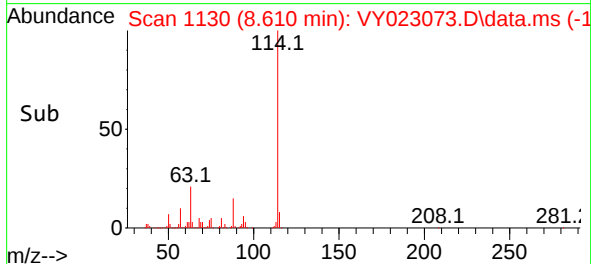
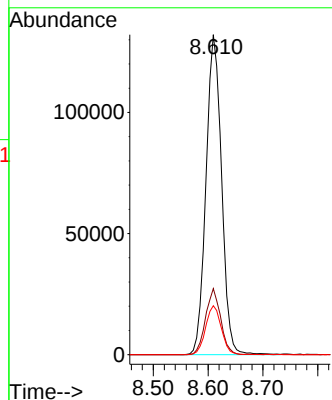
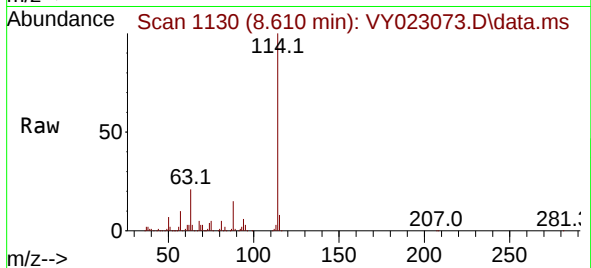




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023073.D
Acq: 13 Aug 2025 16:30

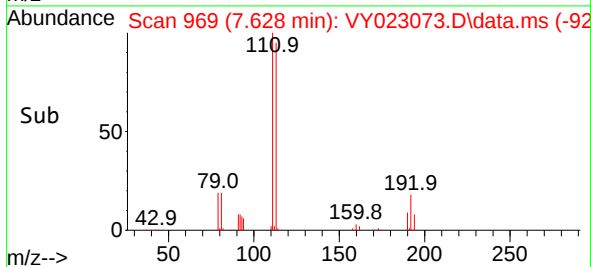
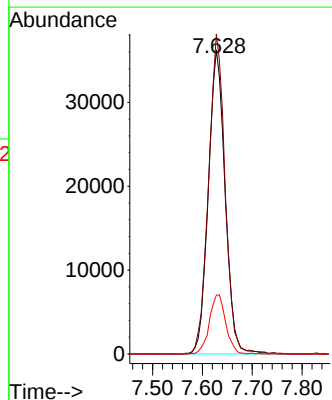
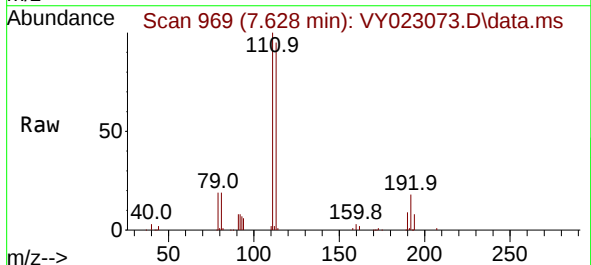
Instrument :
MSVOA_Y
ClientSampleId :
84SB-W

Tgt Ion:114 Resp: 260153
Ion Ratio Lower Upper
114 100
63 20.7 0.0 38.4
88 15.3 0.0 30.0



#35
Dibromofluoromethane
Concen: 54.402 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023073.D
Acq: 13 Aug 2025 16:30

Tgt Ion:113 Resp: 84686
Ion Ratio Lower Upper
113 100
111 103.9 81.1 121.7
192 19.0 16.2 24.4

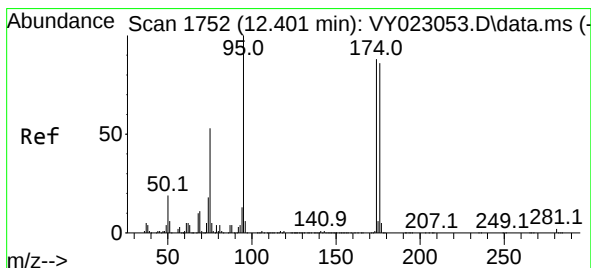
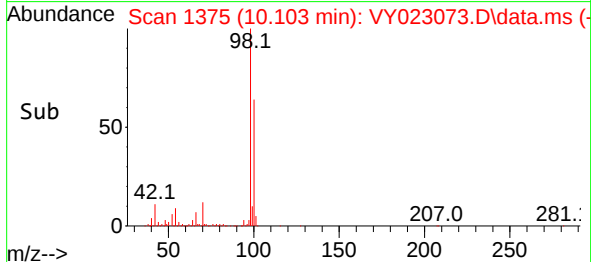
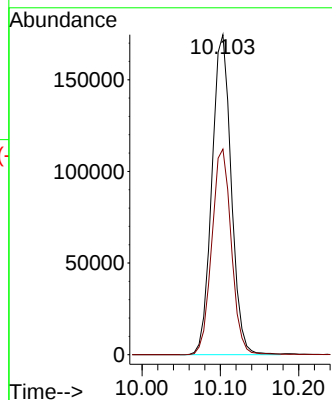
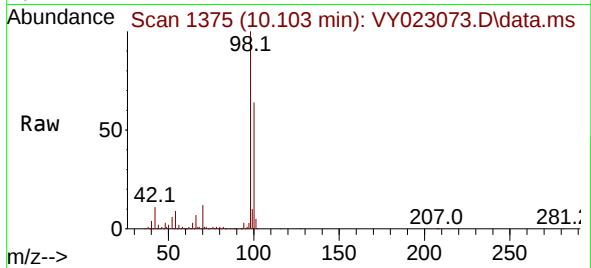




#50
Toluene-d8
Concen: 49.146 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023073.D
Acq: 13 Aug 2025 16:30

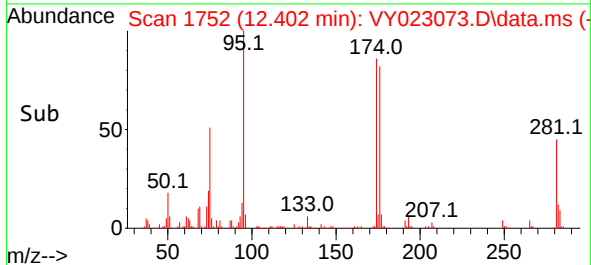
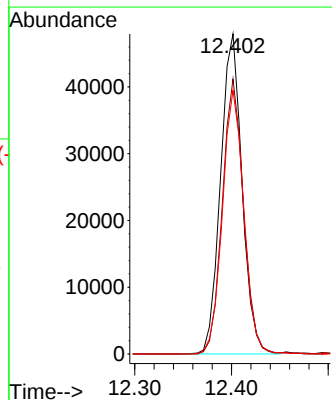
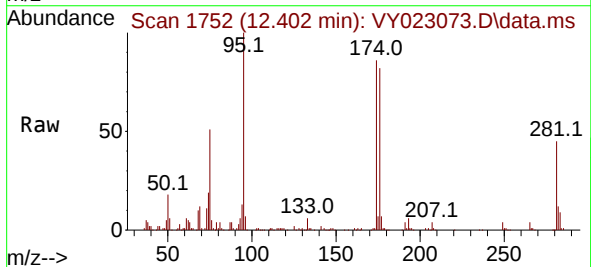
Instrument :
MSVOA_Y
ClientSampleId :
84SB-W

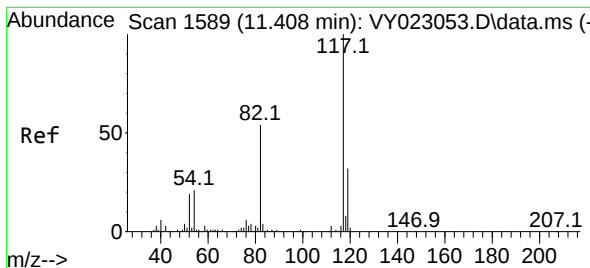
Tgt Ion: 98 Resp: 298869
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 37.818 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023073.D
Acq: 13 Aug 2025 16:30

Tgt Ion: 95 Resp: 73961
Ion Ratio Lower Upper
95 100
174 84.2 0.0 171.6
176 82.3 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.408 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023073.D

Acq: 13 Aug 2025 16:30

Instrument :

MSVOA_Y

ClientSampleId :

84SB-W

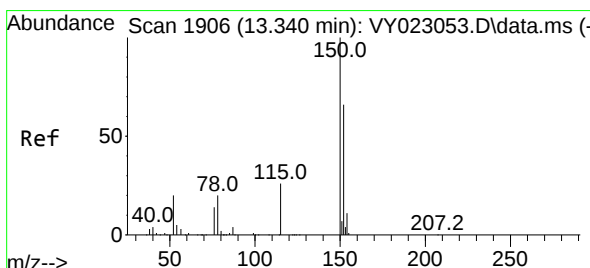
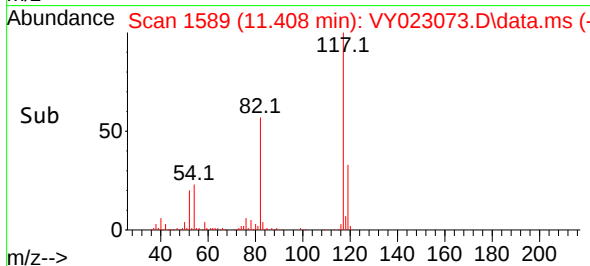
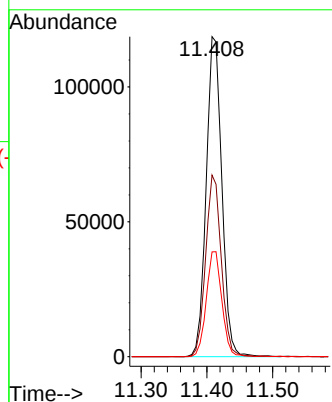
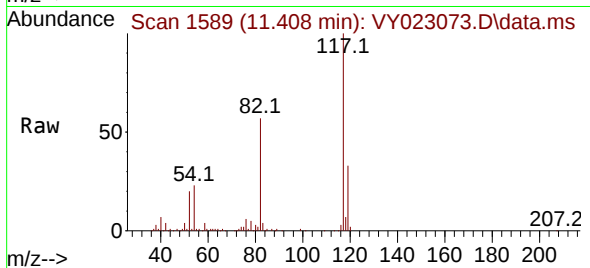
Tgt Ion:117 Resp: 196566

Ion Ratio Lower Upper

117 100

82 56.7 43.4 65.0

119 32.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023073.D

Acq: 13 Aug 2025 16:30

Tgt Ion:152 Resp: 66820

Ion Ratio Lower Upper

152 100

115 59.8 28.2 84.6

150 159.5 0.0 348.0

