

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090225\
 Data File : VY023258.D
 Acq On : 02 Sep 2025 12:26
 Operator : SY/MD
 Sample : Q2989-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOUTH-TP-6

Quant Time: Sep 03 03:29:21 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	361863	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	623724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	549805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	216883	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	185175	53.693	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.380%
35) Dibromofluoromethane	7.634	113	207940	55.716	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.440%
50) Toluene-d8	10.109	98	733812	50.330	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.660%
62) 4-Bromofluorobenzene	12.407	95	202687	43.227	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.460%

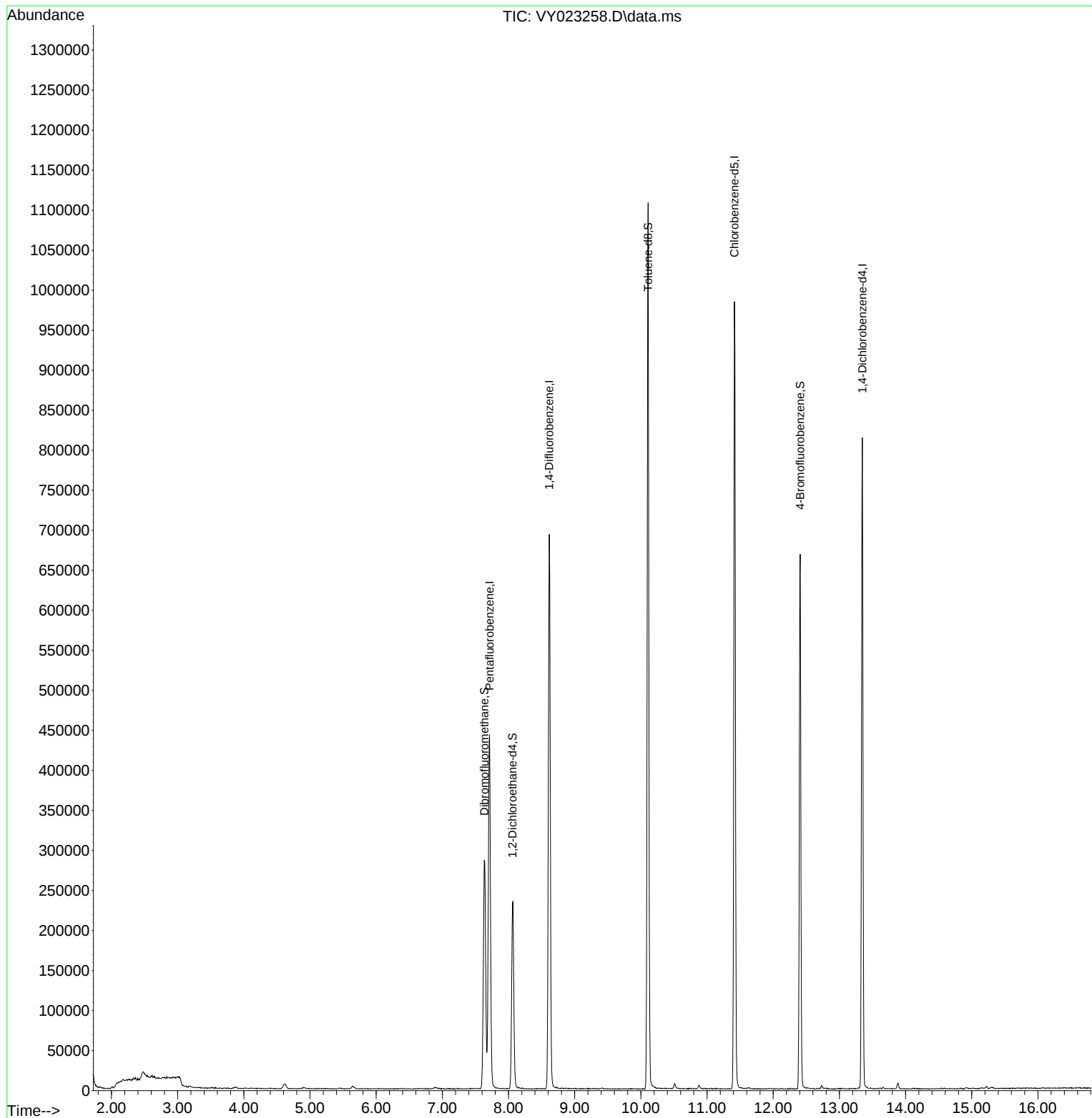
Target Compounds	Qvalue

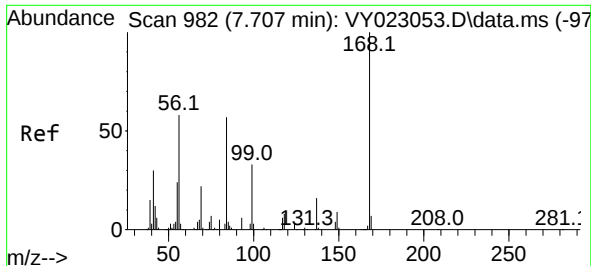
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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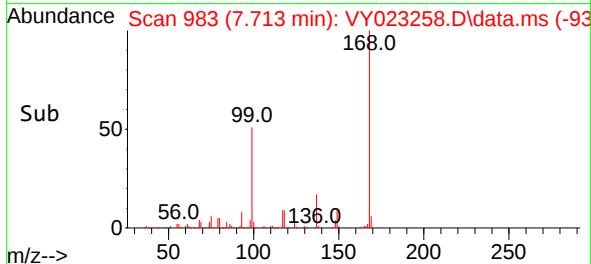
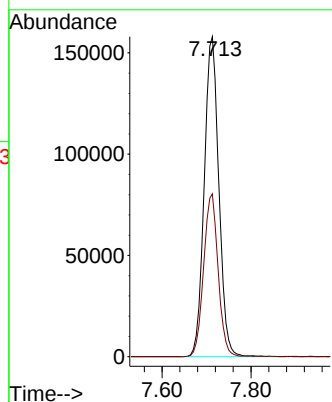
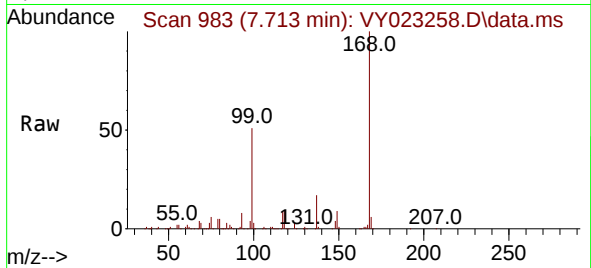




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023258.D
Acq: 02 Sep 2025 12:26

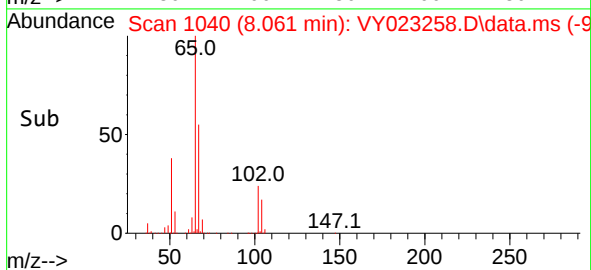
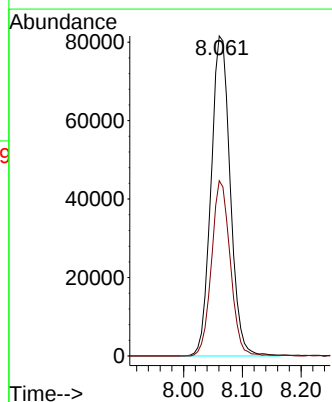
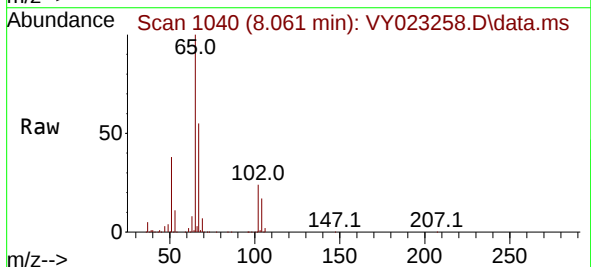
Instrument :
MSVOA_Y
ClientSampleId :
SOUTH-TP-6

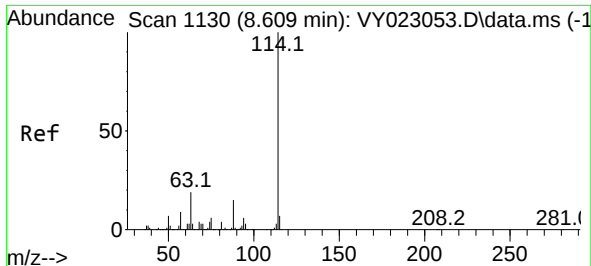
Tgt Ion:168 Resp: 361863
Ion Ratio Lower Upper
168 100
99 50.9 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 53.693 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023258.D
Acq: 02 Sep 2025 12:26

Tgt Ion: 65 Resp: 185175
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.8

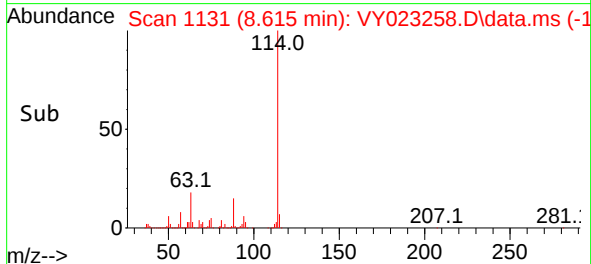
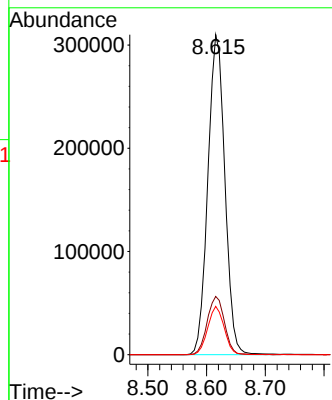
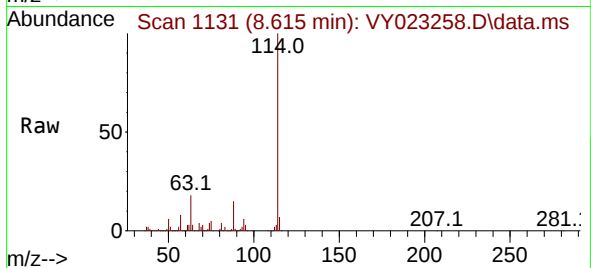




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023258.D
Acq: 02 Sep 2025 12:26

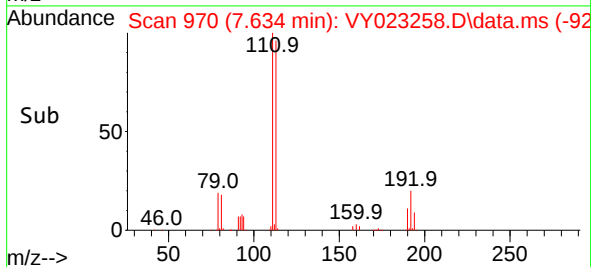
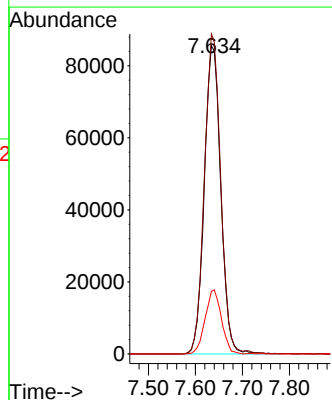
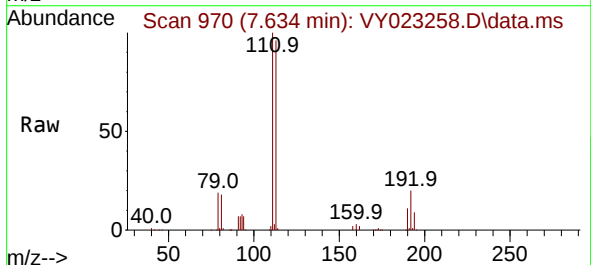
Instrument :
MSVOA_Y
ClientSampleId :
SOUTH-TP-6

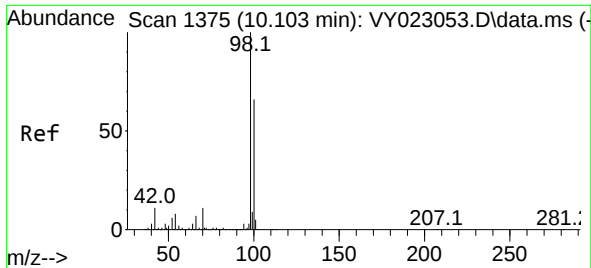
Tgt Ion:114 Resp: 623724
Ion Ratio Lower Upper
114 100
63 18.2 0.0 38.4
88 15.1 0.0 30.0



#35
Dibromofluoromethane
Concen: 55.716 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023258.D
Acq: 02 Sep 2025 12:26

Tgt Ion:113 Resp: 207940
Ion Ratio Lower Upper
113 100
111 103.0 81.1 121.7
192 20.6 16.2 24.4

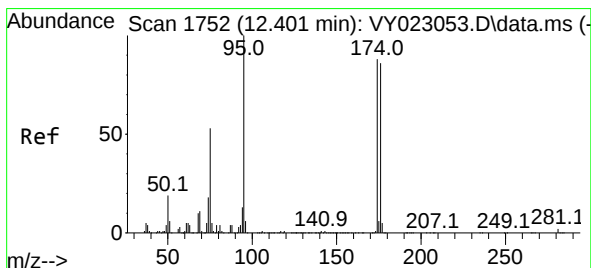
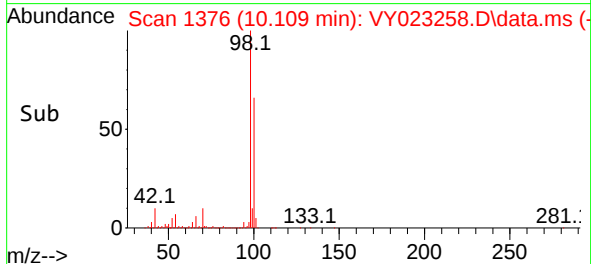
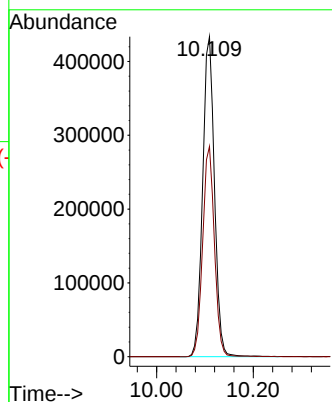
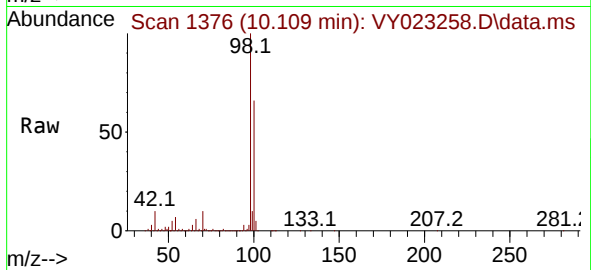




#50
Toluene-d8
Concen: 50.330 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023258.D
Acq: 02 Sep 2025 12:26

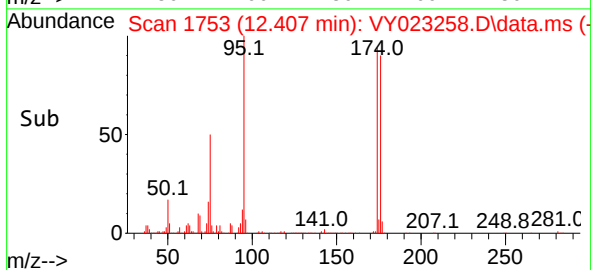
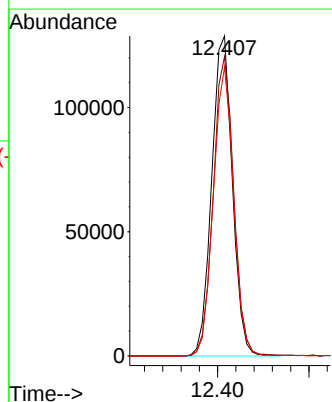
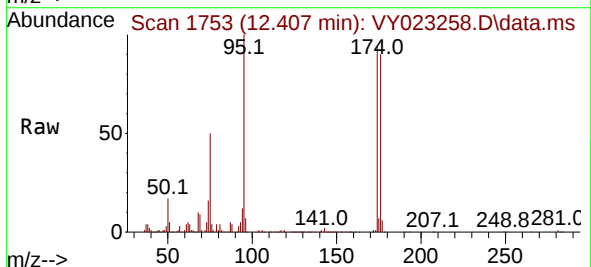
Instrument :
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SOUTH-TP-6

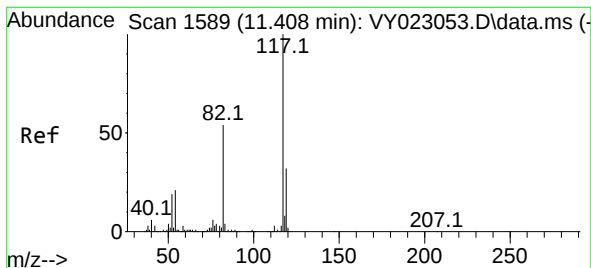
Tgt Ion: 98 Resp: 733812
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 43.227 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023258.D
Acq: 02 Sep 2025 12:26

Tgt Ion: 95 Resp: 202687
Ion Ratio Lower Upper
95 100
174 92.9 0.0 171.6
176 88.9 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023258.D

Acq: 02 Sep 2025 12:26

Instrument :

MSVOA_Y

ClientSampleId :

SOUTH-TP-6

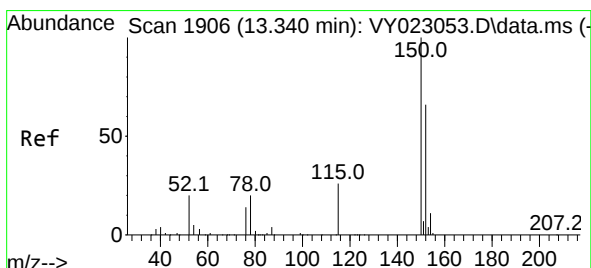
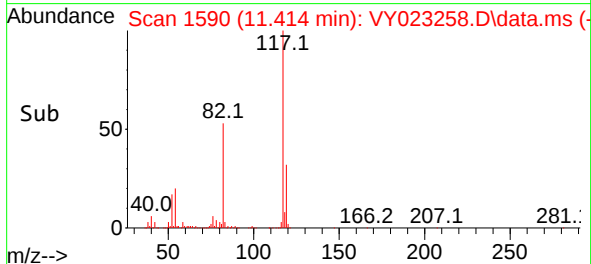
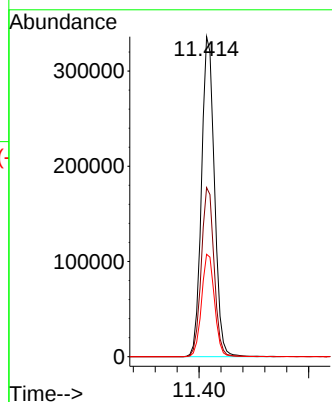
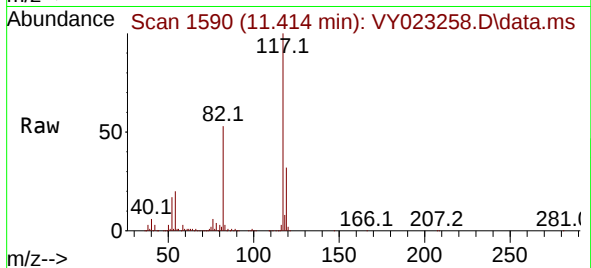
Tgt Ion:117 Resp: 549805

Ion Ratio Lower Upper

117 100

82 52.9 43.4 65.0

119 32.0 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: VY023258.D

Acq: 02 Sep 2025 12:26

Tgt Ion:152 Resp: 216883

Ion Ratio Lower Upper

152 100

115 55.8 28.2 84.6

150 156.0 0.0 348.0

