

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022981.D
 Acq On : 08 Jul 2025 17:23
 Operator : SY/MD
 Sample : Q2514-09
 Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-81

Quant Time: Jul 09 02:34:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	259223	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	494832	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	487827	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	213426	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	153117	52.923	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.840%
35) Dibromofluoromethane	7.634	113	157734	52.415	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.820%
50) Toluene-d8	10.103	98	614684	51.475	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.940%
62) 4-Bromofluorobenzene	12.401	95	210001	54.705	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	109.400%

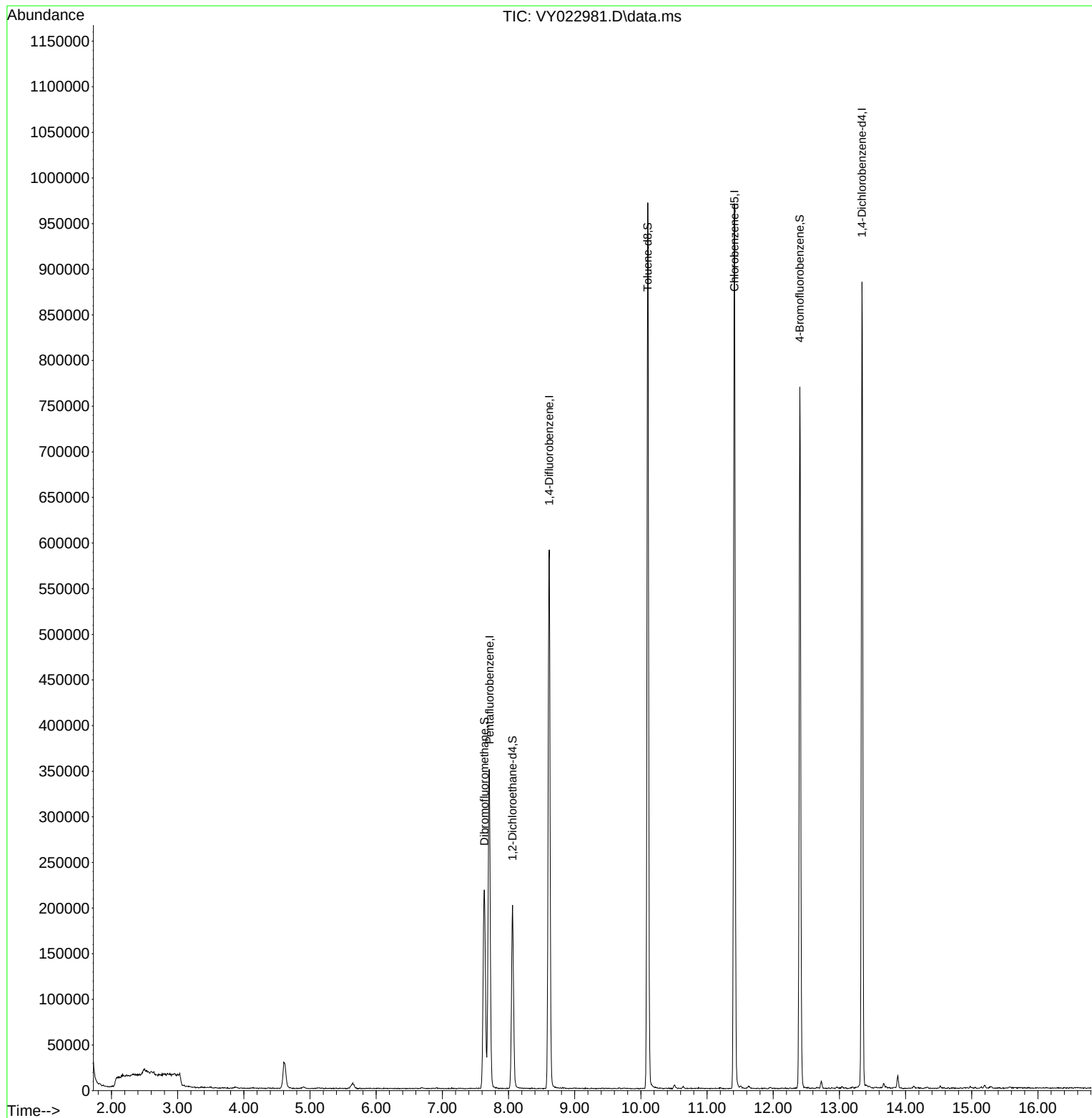
Target Compounds	Qvalue

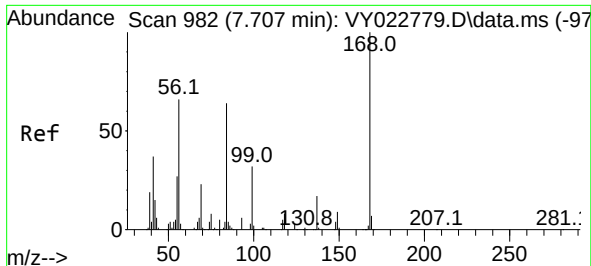
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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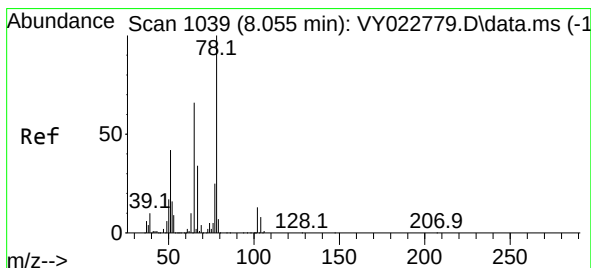
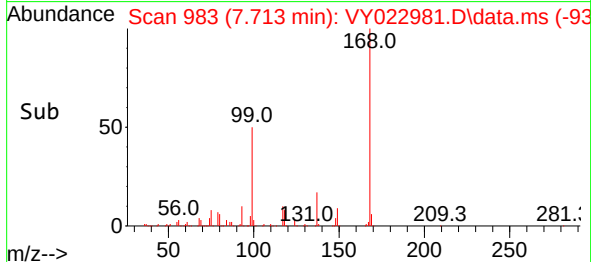
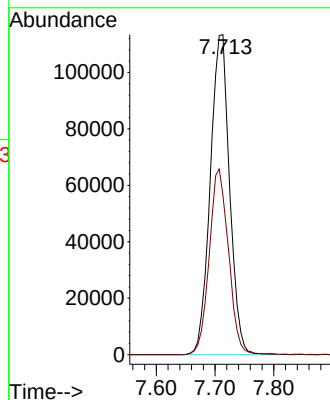
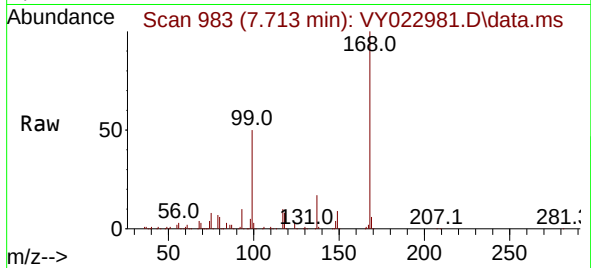




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022981.D
Acq: 08 Jul 2025 17:23

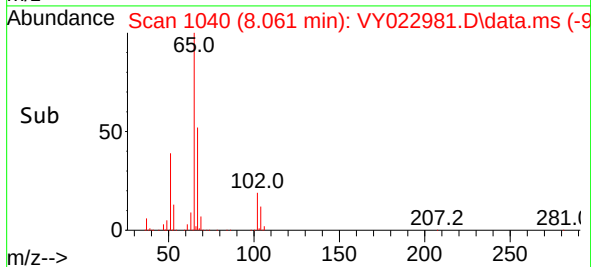
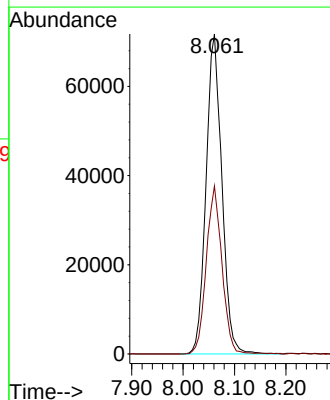
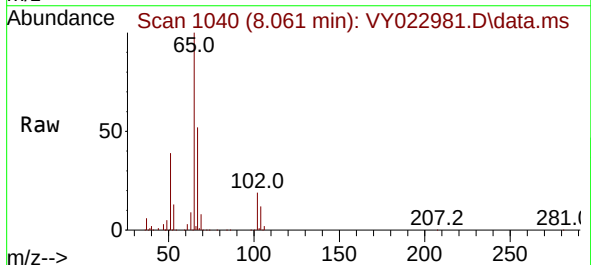
Instrument :
MSVOA_Y
ClientSampleId :
TP-81

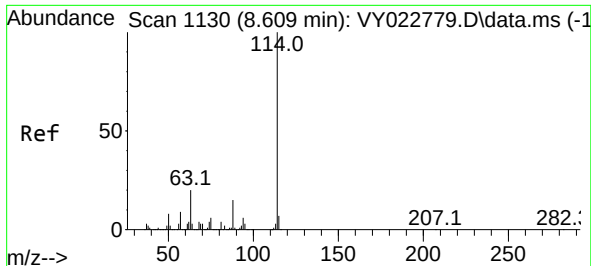
Tgt Ion:168 Resp: 259223
Ion Ratio Lower Upper
168 100
99 49.9 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 52.923 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022981.D
Acq: 08 Jul 2025 17:23

Tgt Ion: 65 Resp: 153117
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.4

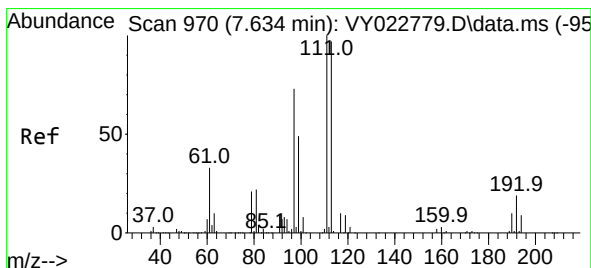
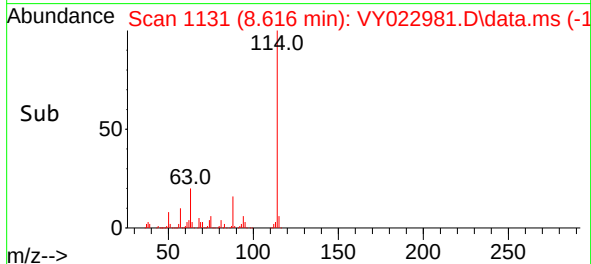
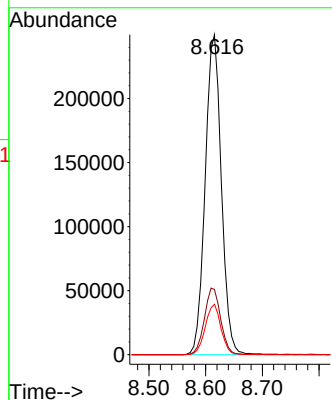
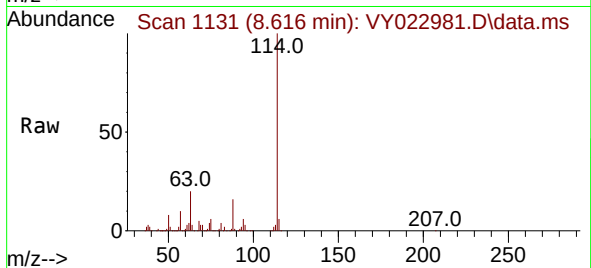




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022981.D
Acq: 08 Jul 2025 17:23

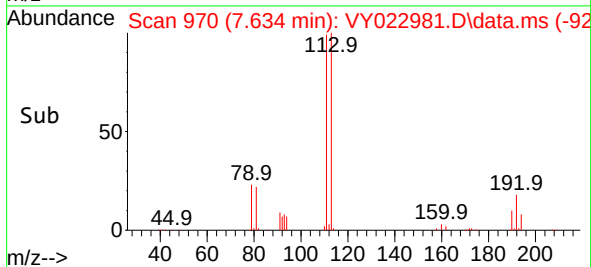
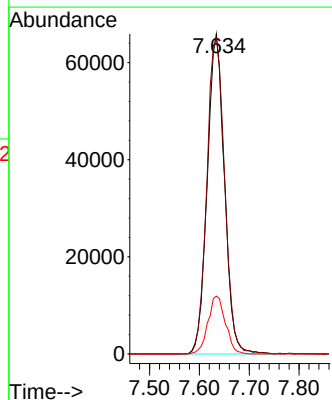
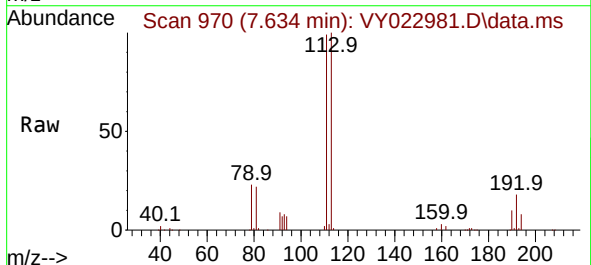
Instrument :
MSVOA_Y
ClientSampleId :
TP-81

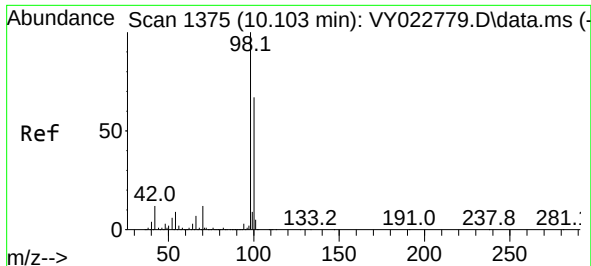
Tgt Ion:114 Resp: 494832
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 15.7 0.0 27.8



#35
Dibromofluoromethane
Concen: 52.415 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022981.D
Acq: 08 Jul 2025 17:23

Tgt Ion:113 Resp: 157734
Ion Ratio Lower Upper
113 100
111 102.4 81.1 121.7
192 18.4 14.2 21.2

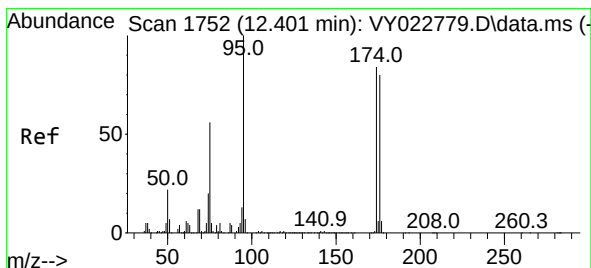
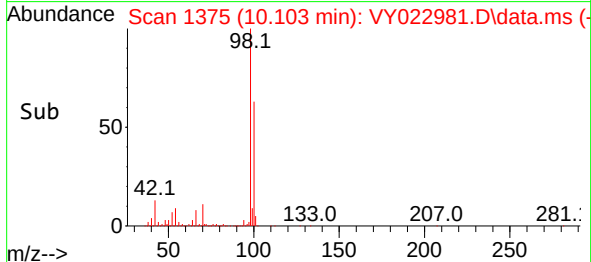
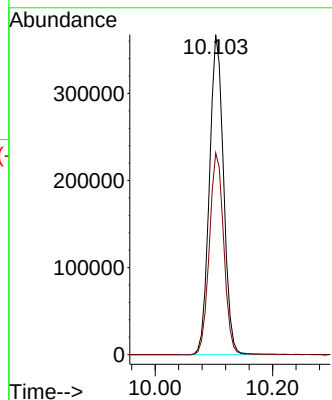
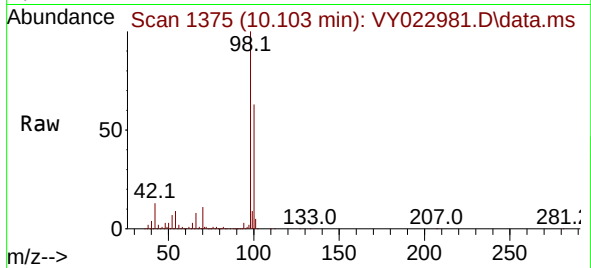




#50
Toluene-d8
Concen: 51.475 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022981.D
Acq: 08 Jul 2025 17:23

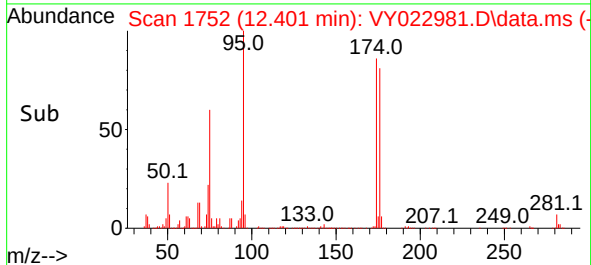
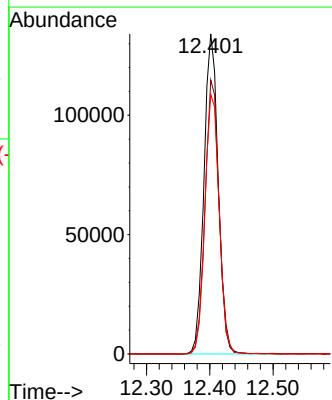
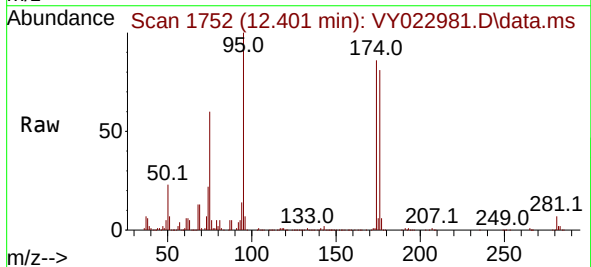
Instrument :
MSVOA_Y
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TP-81

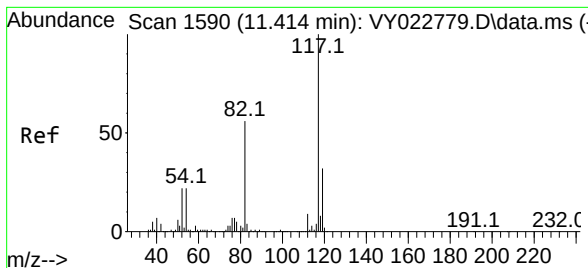
Tgt Ion: 98 Resp: 614684
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 54.705 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022981.D
Acq: 08 Jul 2025 17:23

Tgt Ion: 95 Resp: 210001
Ion Ratio Lower Upper
95 100
174 84.6 0.0 170.0
176 81.5 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022981.D

Acq: 08 Jul 2025 17:23

Instrument :

MSVOA_Y

ClientSampleId :

TP-81

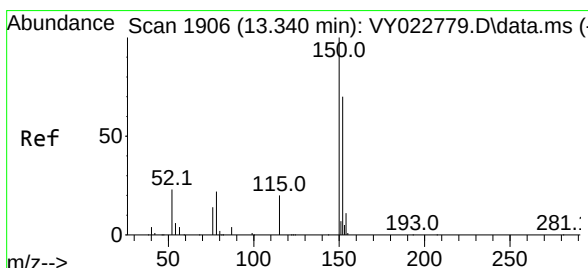
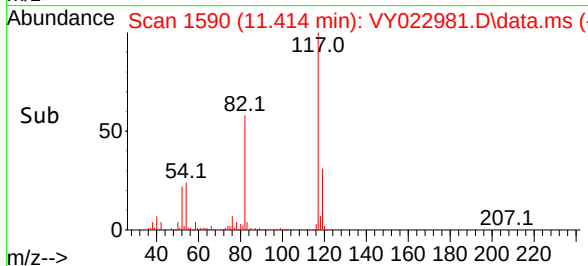
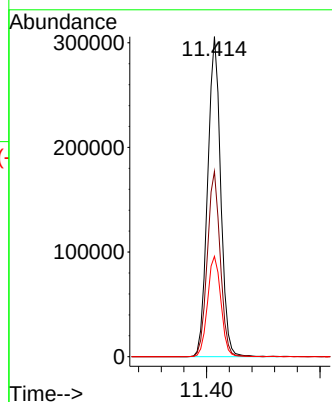
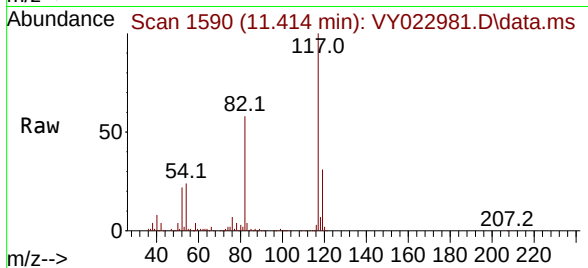
Tgt Ion:117 Resp: 487827

Ion Ratio Lower Upper

117 100

82 57.9 44.6 66.8

119 31.4 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022981.D

Acq: 08 Jul 2025 17:23

Tgt Ion:152 Resp: 213426

Ion Ratio Lower Upper

152 100

115 57.1 28.9 86.7

150 157.3 0.0 349.6

