

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022980.D
 Acq On : 08 Jul 2025 17:00
 Operator : SY/MD
 Sample : Q2514-08
 Misc : 5.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-78

Quant Time: Jul 09 02:34:16 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)

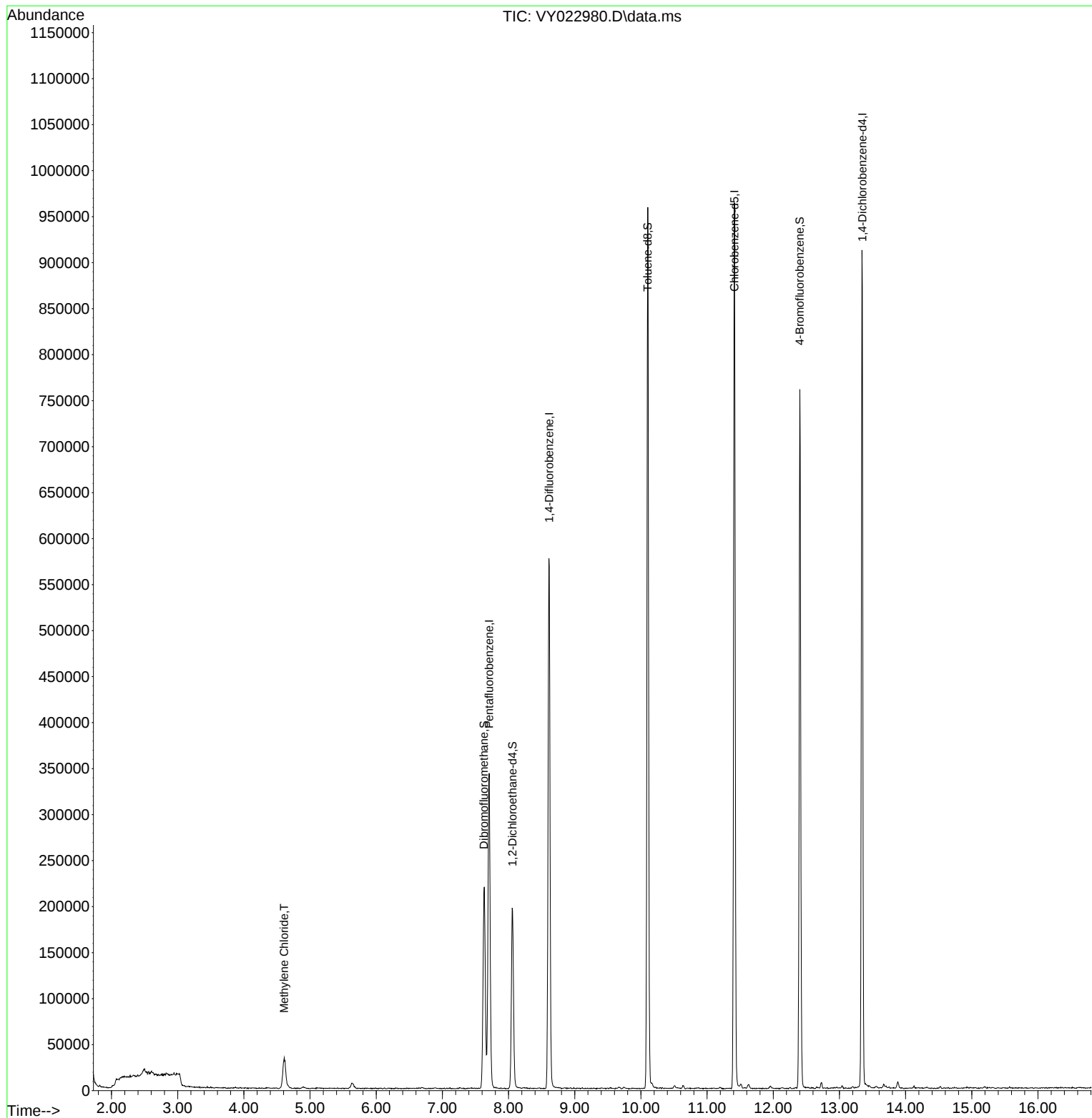
Internal Standards						
1) Pentafluorobenzene	7.707	168	255362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	483185	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	487885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	216806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	155255	54.474	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 108.940%		
35) Dibromofluoromethane	7.628	113	151119	51.427	ug/l	-0.01
Spiked Amount	50.000	Range 54 - 147	Recovery	= 102.860%		
50) Toluene-d8	10.103	98	600761	51.522	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 103.040%		
62) 4-Bromofluorobenzene	12.401	95	211504	56.425	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 112.840%		
Target Compounds						Qvalue
20) Methylene Chloride	4.610	84	22739	6.684	ug/l	94

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

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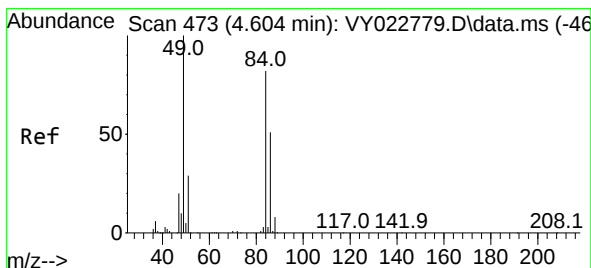
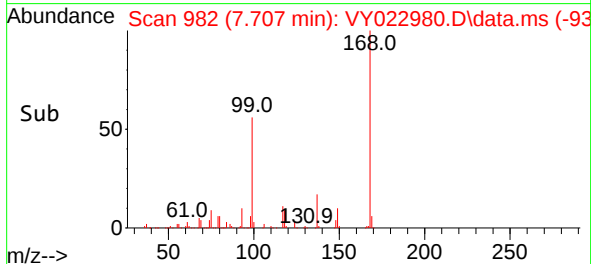
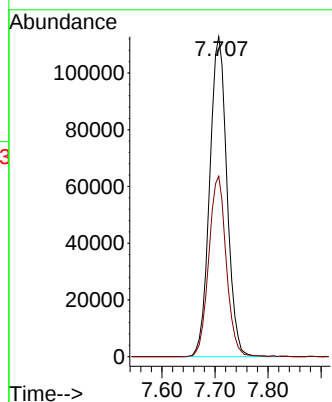
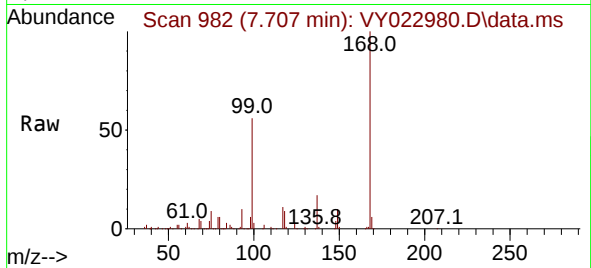




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022980.D
Acq: 08 Jul 2025 17:00

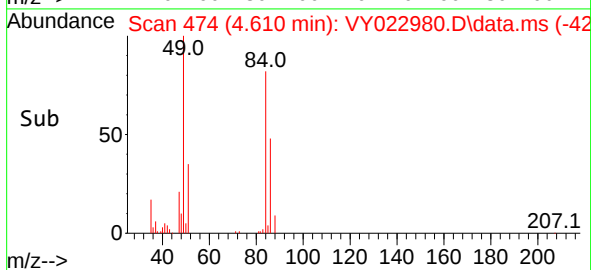
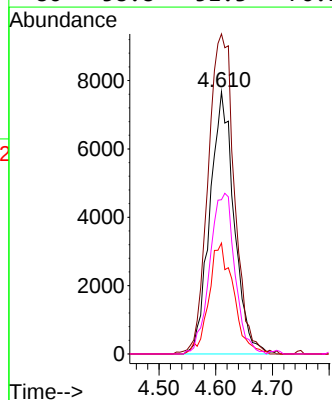
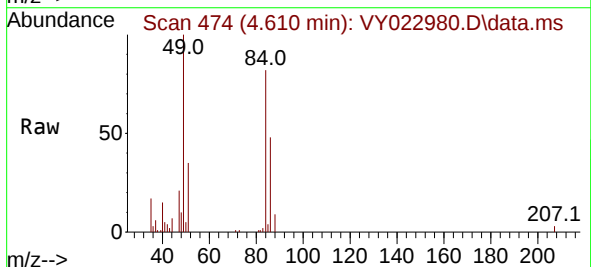
Instrument :
MSVOA_Y
ClientSampleId :
TP-78

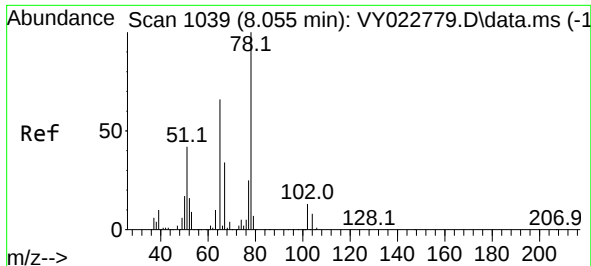
Tgt Ion:168 Resp: 255362
Ion Ratio Lower Upper
168 100
99 56.4 44.3 66.5



#20
Methylene Chloride
Concen: 6.684 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.013 min
Lab File: VY022980.D
Acq: 08 Jul 2025 17:00

Tgt Ion: 84 Resp: 22739
Ion Ratio Lower Upper
84 100
49 122.1 101.9 152.9
51 42.3 29.8 44.8
86 58.8 51.3 76.9

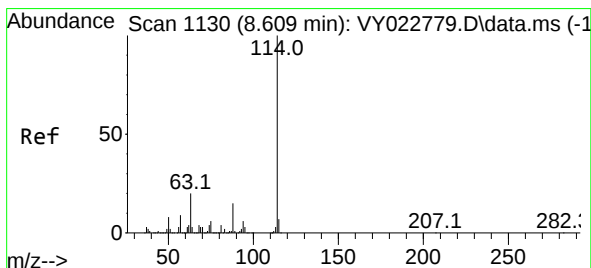
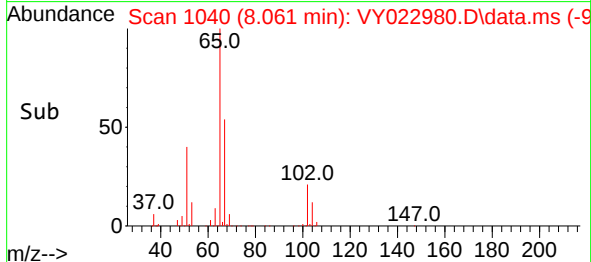
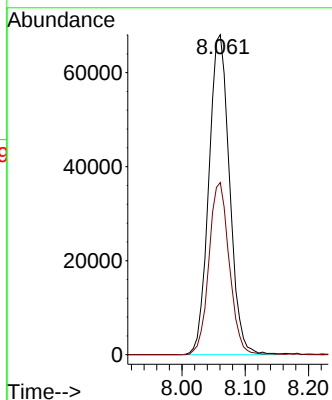
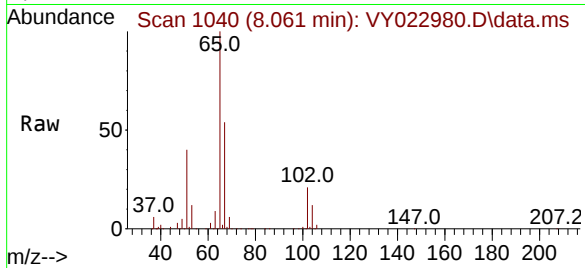




#33
 1,2-Dichloroethane-d4
 Concen: 54.474 ug/l
 RT: 8.061 min Scan# 1103
 Delta R.T. -0.006 min
 Lab File: VY022980.D
 Acq: 08 Jul 2025 17:00

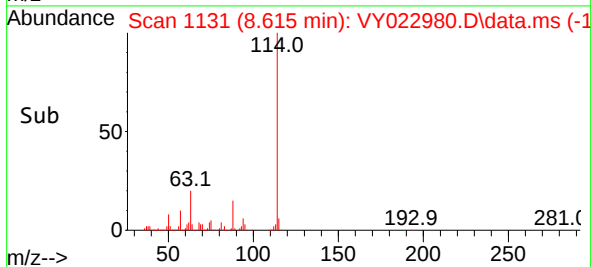
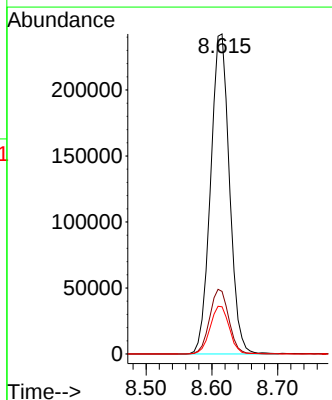
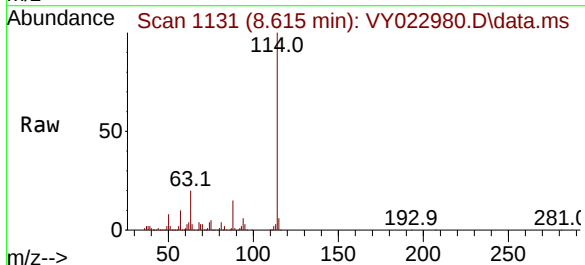
Instrument :
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 ClientSampleId :
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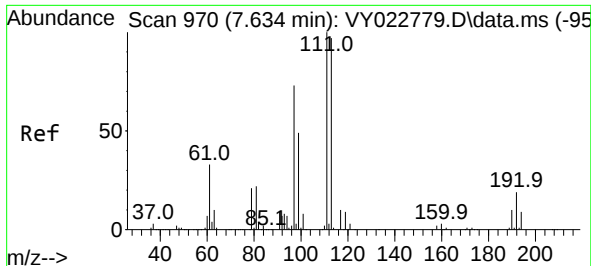
Tgt Ion: 65 Resp: 155255
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.615 min Scan# 1131
 Delta R.T. -0.000 min
 Lab File: VY022980.D
 Acq: 08 Jul 2025 17:00

Tgt Ion: 114 Resp: 483185
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.8
 88 14.7 0.0 27.8

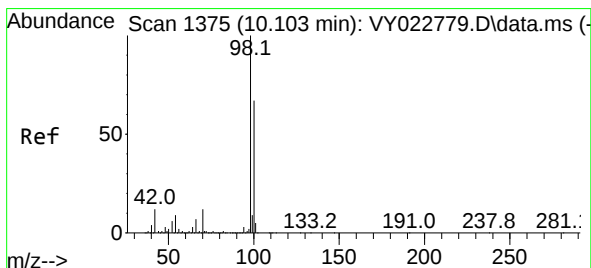
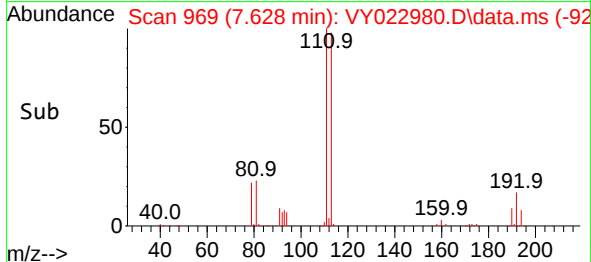
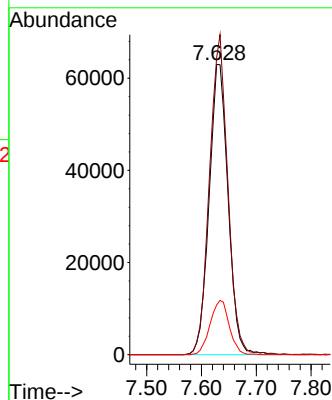
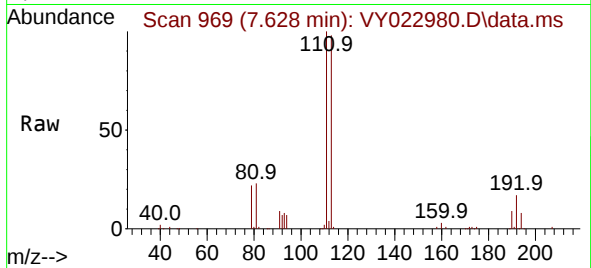




#35
Dibromofluoromethane
Concen: 51.427 ug/l
RT: 7.628 min Scan# 911
Delta R.T. -0.013 min
Lab File: VY022980.D
Acq: 08 Jul 2025 17:00

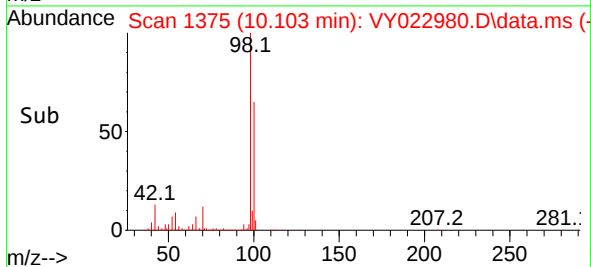
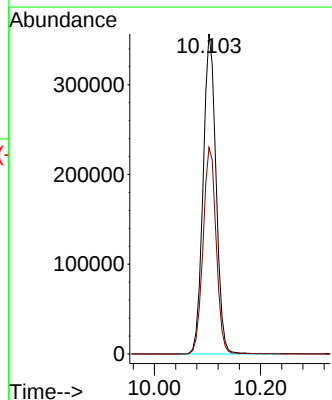
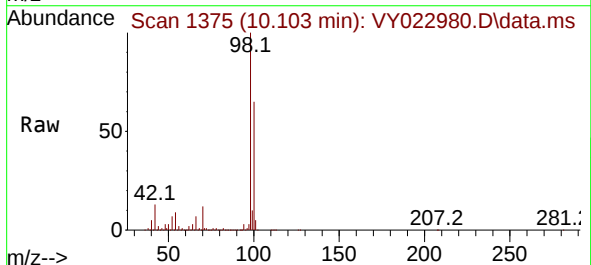
Instrument :
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TP-78

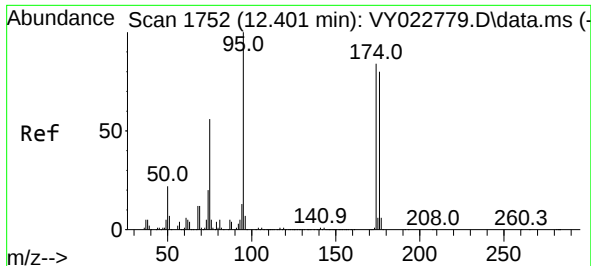
Tgt Ion:113 Resp: 151119
Ion Ratio Lower Upper
113 100
111 106.4 81.1 121.7
192 18.9 14.2 21.2



#50
Toluene-d8
Concen: 51.522 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022980.D
Acq: 08 Jul 2025 17:00

Tgt Ion: 98 Resp: 600761
Ion Ratio Lower Upper
98 100
100 65.4 51.4 77.0

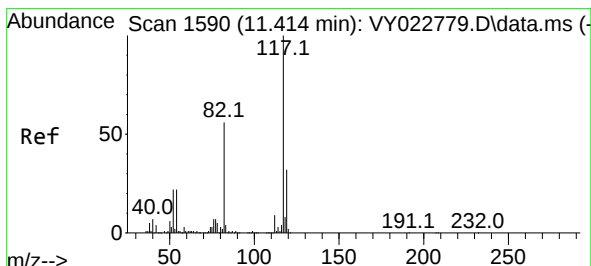
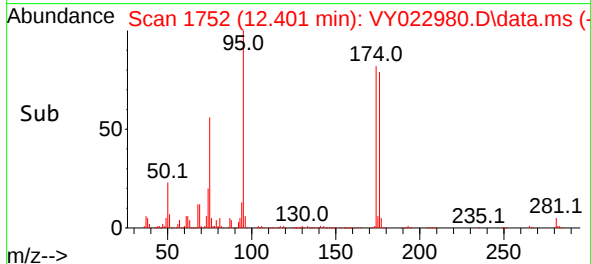
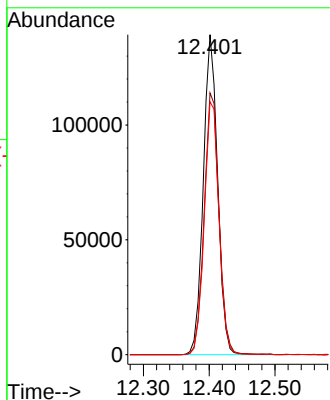
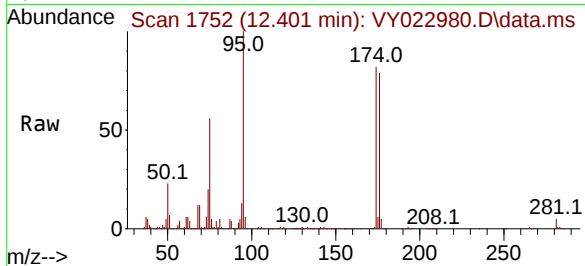




#62
4-Bromofluorobenzene
Concen: 56.425 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022980.D
Acq: 08 Jul 2025 17:00

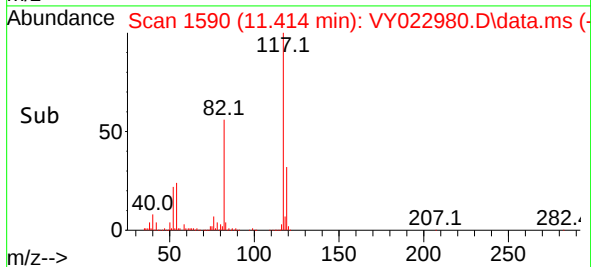
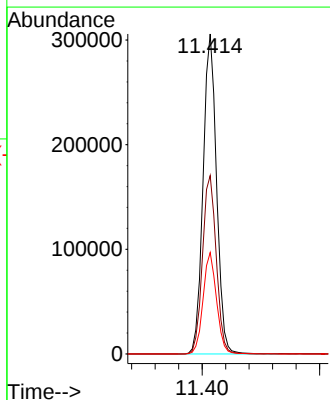
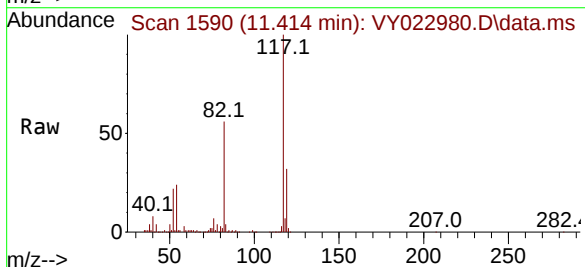
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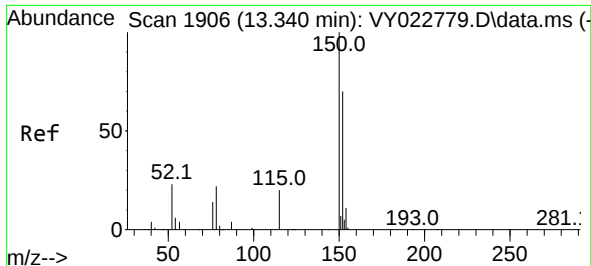
Tgt Ion: 95 Resp: 211504
Ion Ratio Lower Upper
95 100
174 84.5 0.0 170.0
176 81.0 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022980.D
Acq: 08 Jul 2025 17:00

Tgt Ion: 117 Resp: 487885
Ion Ratio Lower Upper
117 100
82 55.8 44.6 66.8
119 31.7 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022980.D
 Acq: 08 Jul 2025 17:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-78

Tgt Ion:152 Resp: 216806
 Ion Ratio Lower Upper
 152 100
 115 58.2 28.9 86.7
 150 157.8 0.0 349.6

