

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022917.D
 Acq On : 02 Jul 2025 17:07
 Operator : SY/MD
 Sample : Q2473-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PIT#1

Quant Time: Jul 03 02:25:17 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)

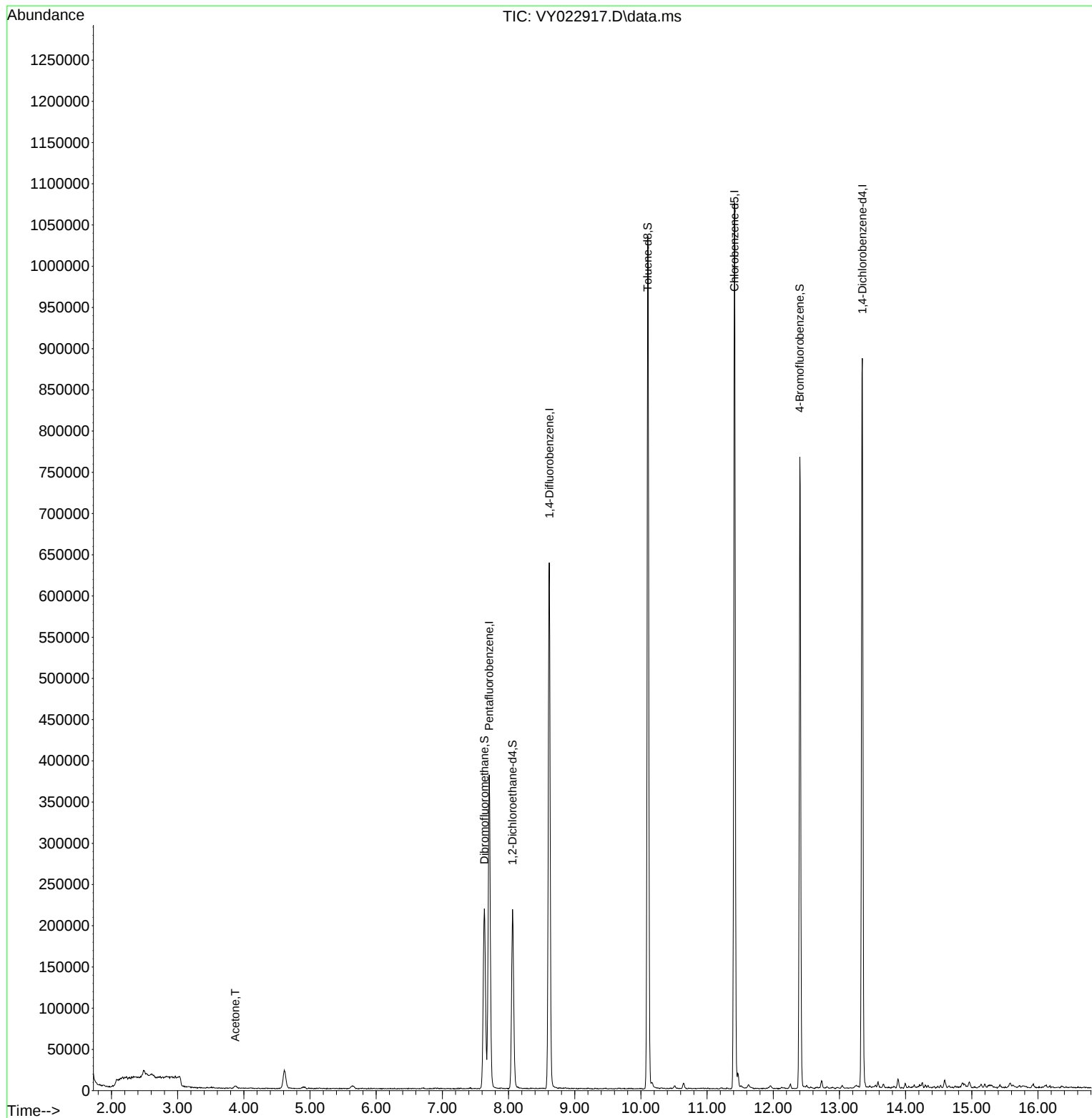
Internal Standards						
1) Pentafluorobenzene	7.707	168	279065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	534952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	530195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	216048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	171013	54.906	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.820%	
35) Dibromofluoromethane	7.634	113	156029	47.960	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.920%	
50) Toluene-d8	10.103	98	665393	51.542	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.080%	
62) 4-Bromofluorobenzene	12.401	95	222511	53.617	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.240%	
Target Compounds						
16) Acetone	3.872	43	4826	8.198	ug/l	98

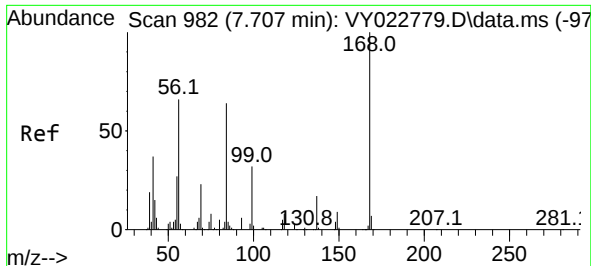
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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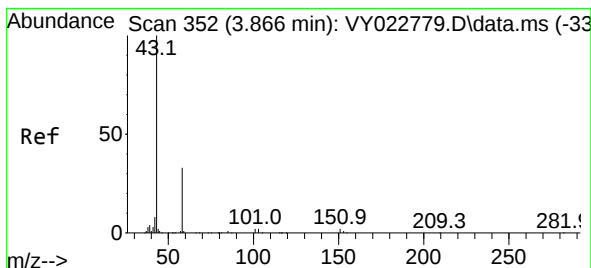
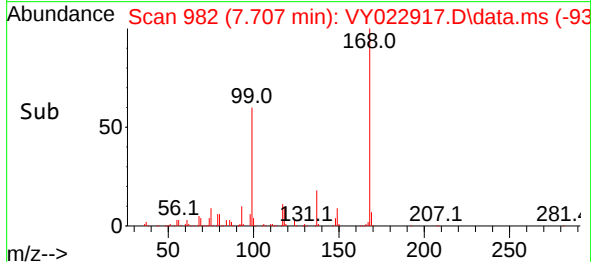
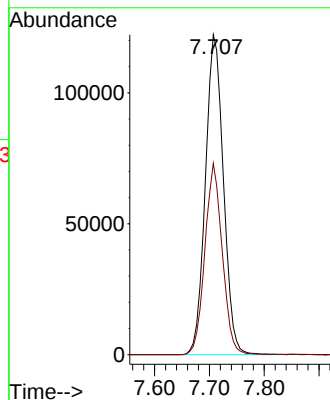
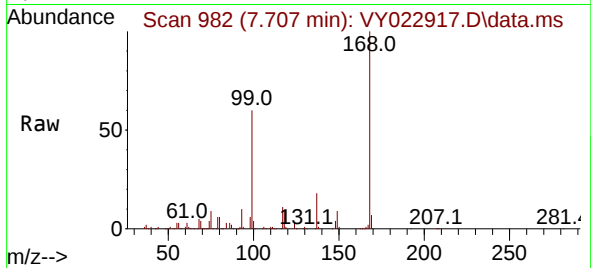




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

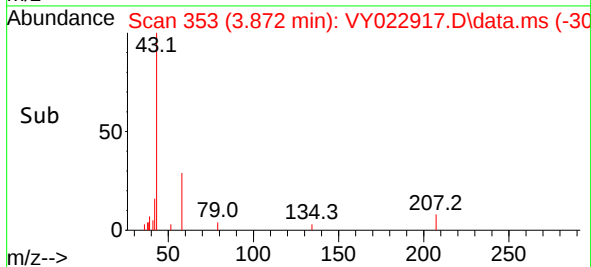
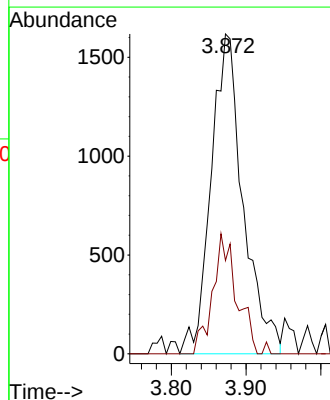
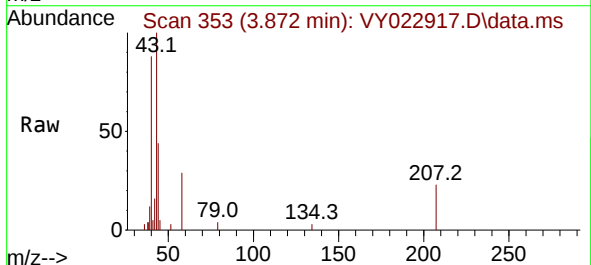
Instrument :
MSVOA_Y
ClientSampleId :
PIT#1

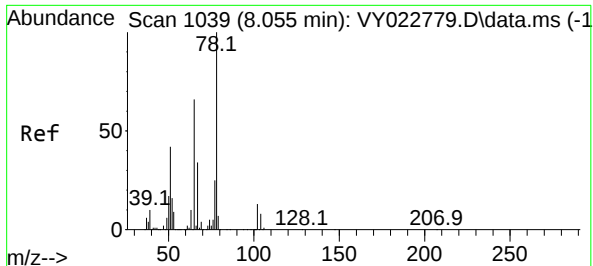
Tgt Ion:168 Resp: 279065
Ion Ratio Lower Upper
168 100
99 59.8 44.3 66.5



#16
Acetone
Concen: 8.198 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

Tgt Ion: 43 Resp: 4826
Ion Ratio Lower Upper
43 100
58 29.2 24.0 36.0





#33

1,2-Dichloroethane-d4

Concen: 54.906 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022917.D

Acq: 02 Jul 2025 17:07

Instrument :

MSVOA_Y

ClientSampleId :

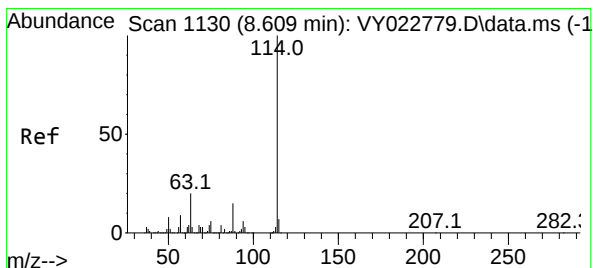
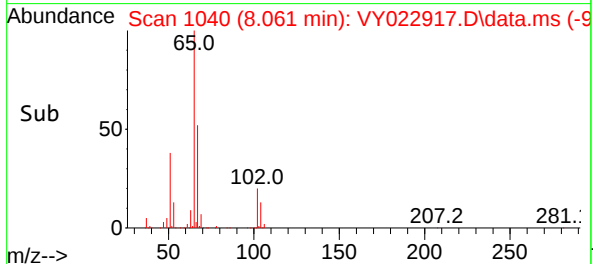
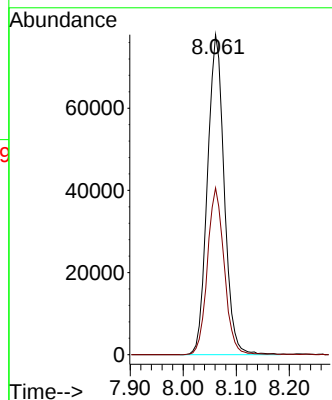
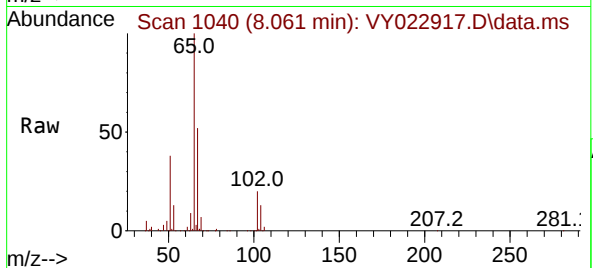
PIT#1

Tgt Ion: 65 Resp: 171013

Ion Ratio Lower Upper

65 100

67 52.2 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: VY022917.D

Acq: 02 Jul 2025 17:07

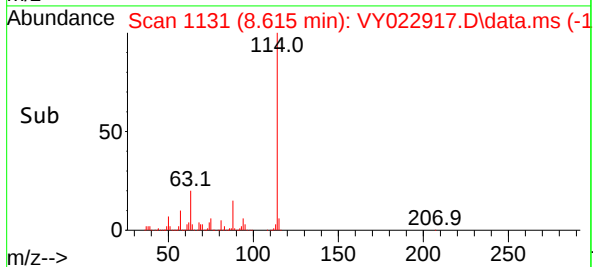
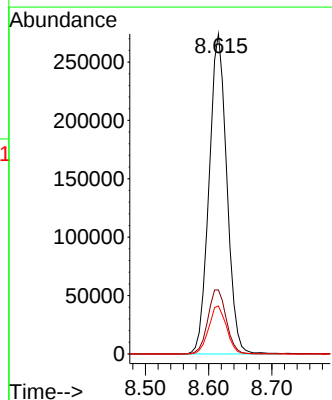
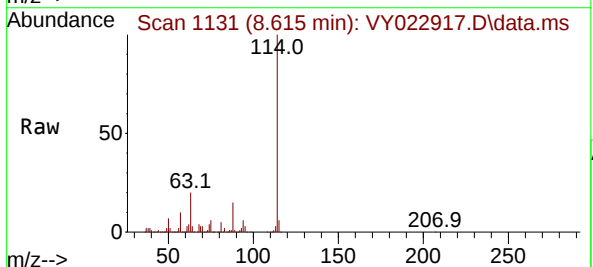
Tgt Ion: 114 Resp: 534952

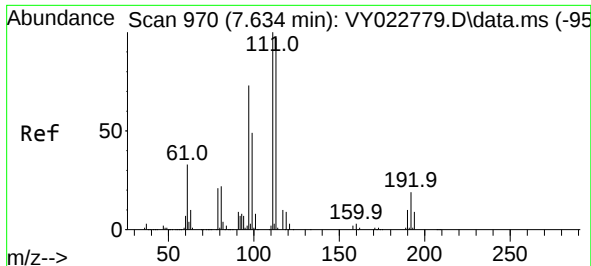
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.8

88 15.0 0.0 27.8

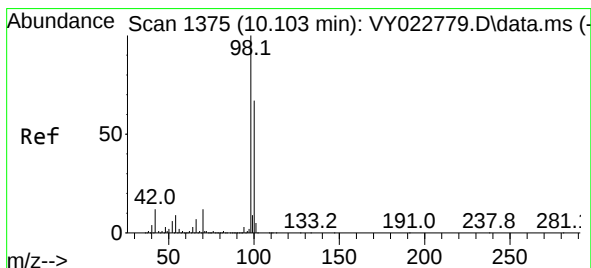
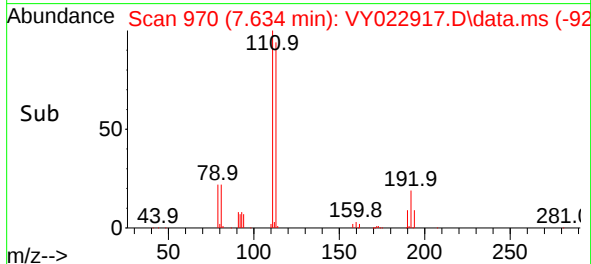
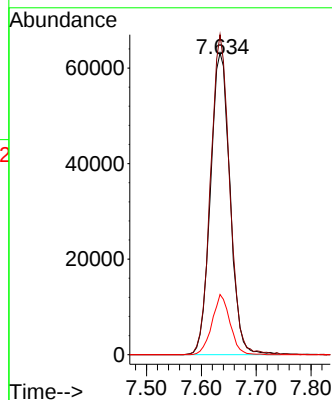
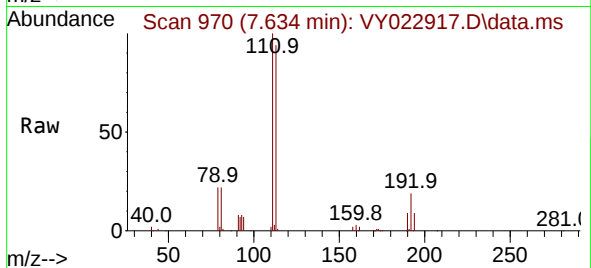




#35
Dibromofluoromethane
Concen: 47.960 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

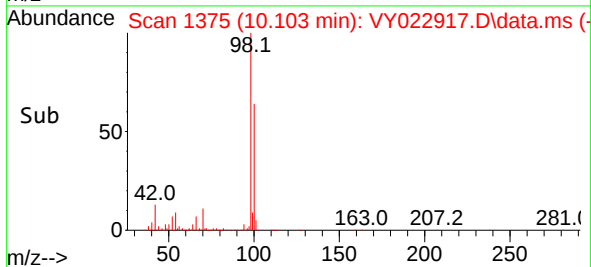
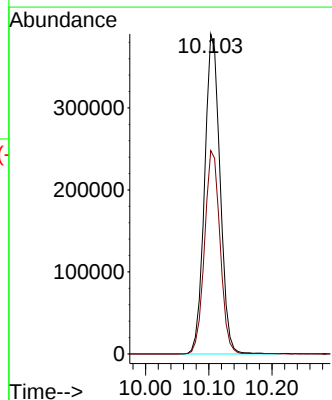
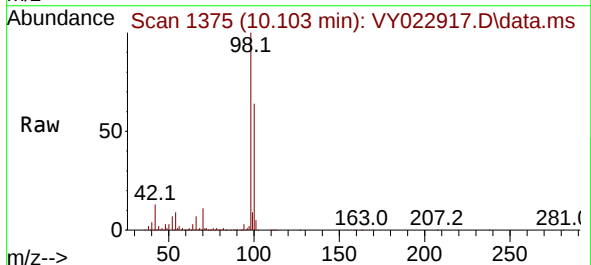
Instrument :
MSVOA_Y
ClientSampleId :
PIT#1

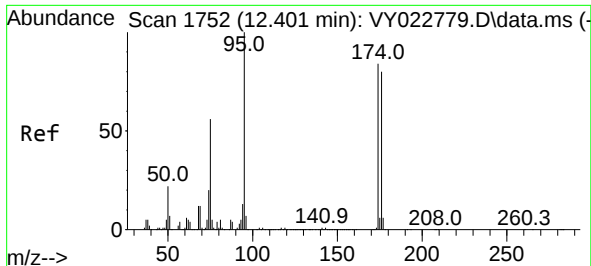
Tgt Ion:113 Resp: 156029
Ion Ratio Lower Upper
113 100
111 103.5 81.1 121.7
192 18.3 14.2 21.2



#50
Toluene-d8
Concen: 51.542 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

Tgt Ion: 98 Resp: 665393
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0

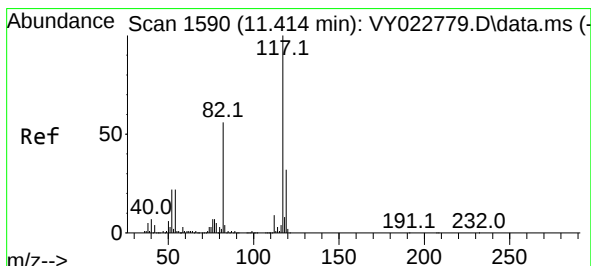
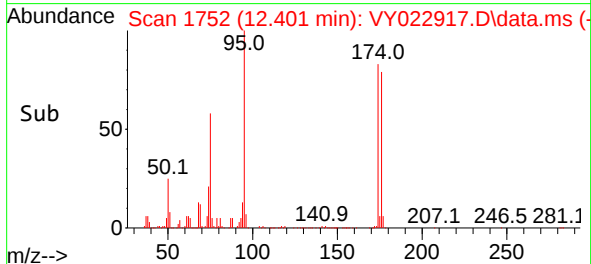
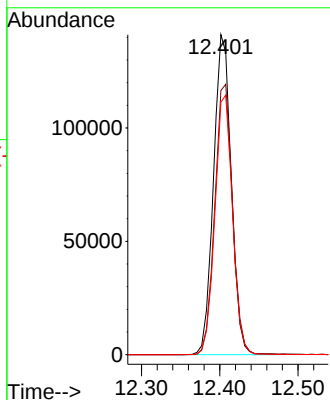
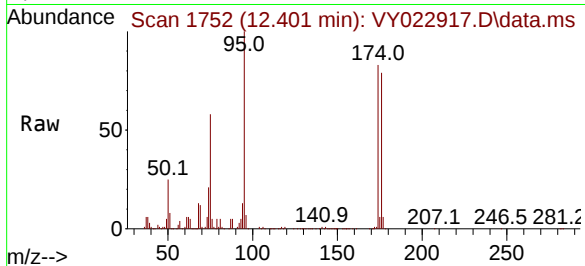




#62
4-Bromofluorobenzene
Concen: 53.617 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

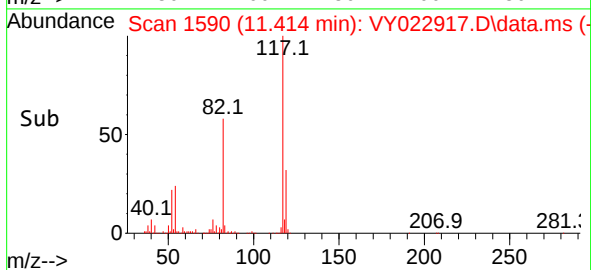
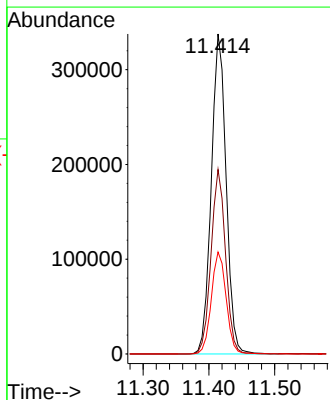
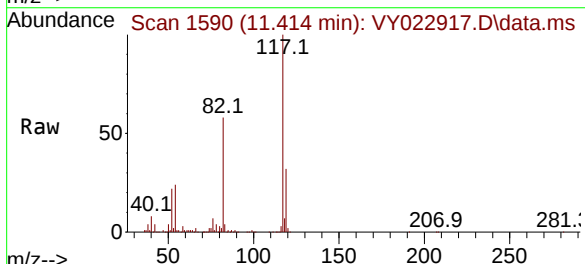
Instrument :
MSVOA_Y
ClientSampleId :
PIT#1

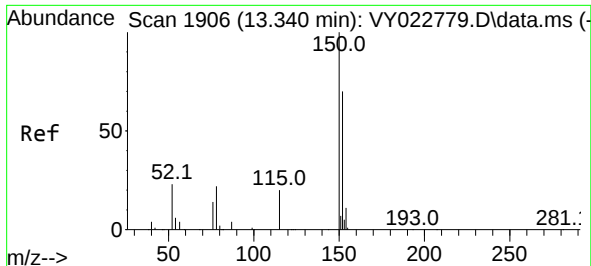
Tgt Ion:	95	Resp:	222511
Ion Ratio	Lower	Upper	
95	100		
174	85.0	0.0	170.0
176	80.6	0.0	166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

Tgt Ion:	117	Resp:	530195
Ion Ratio	Lower	Upper	
117	100		
82	57.7	44.6	66.8
119	31.9	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: VY022917.D
 Acq: 02 Jul 2025 17:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 PIT#1

Tgt Ion:152 Resp: 216048
 Ion Ratio Lower Upper
 152 100
 115 59.4 28.9 86.7
 150 155.4 0.0 349.6

