

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022938.D
 Acq On : 03 Jul 2025 13:26
 Operator : SY/MD
 Sample : Q2487-01
 Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G4(1.5)

Quant Time: Jul 04 03:19:21 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)

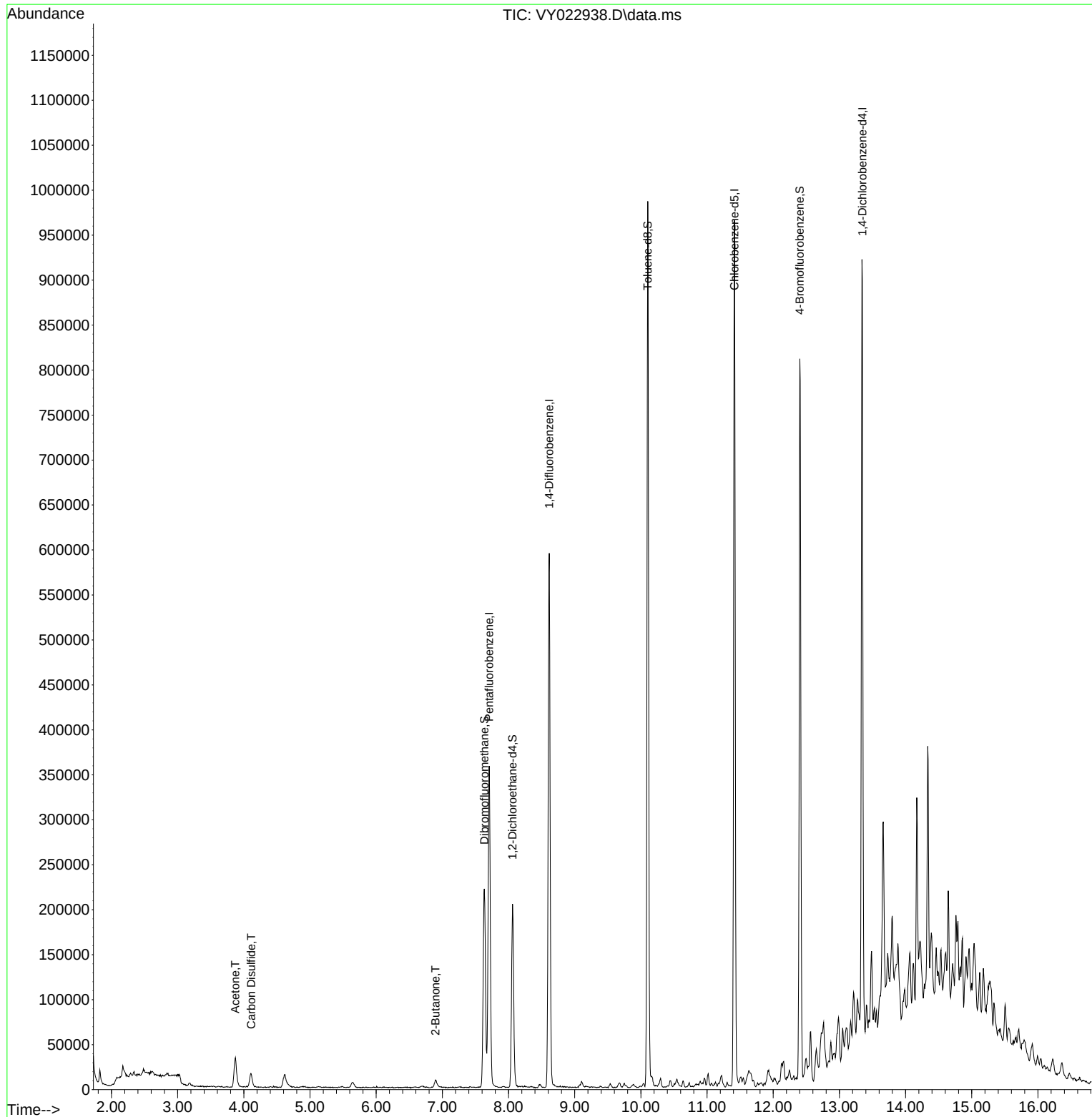
Internal Standards						
1) Pentafluorobenzene	7.707	168	263891	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	498003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	486484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	211646	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	156878	53.264	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.520%	
35) Dibromofluoromethane	7.634	113	162534	53.666	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.340%	
50) Toluene-d8	10.103	98	611986	50.923	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.840%	
62) 4-Bromofluorobenzene	12.402	95	213824	55.346	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.700%	
Target Compounds						
						Qvalue
16) Acetone	3.873	43	57915	104.036	ug/l	95
17) Carbon Disulfide	4.110	76	30501	3.535	ug/l	98
25) 2-Butanone	6.896	43	13532	16.702	ug/l	95

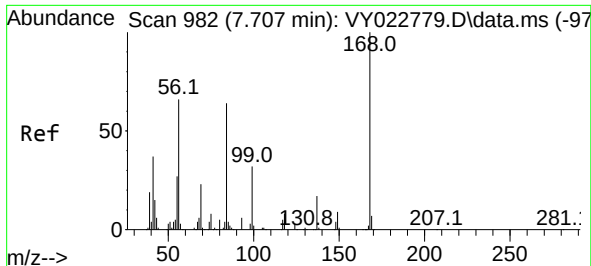
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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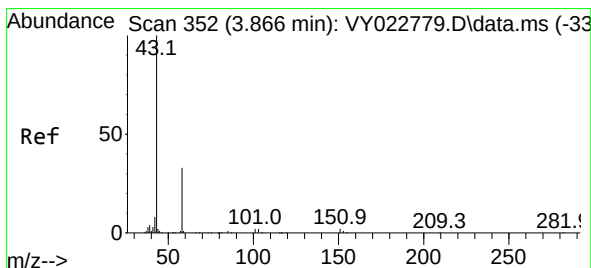
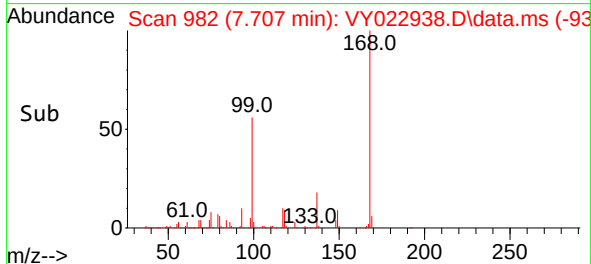
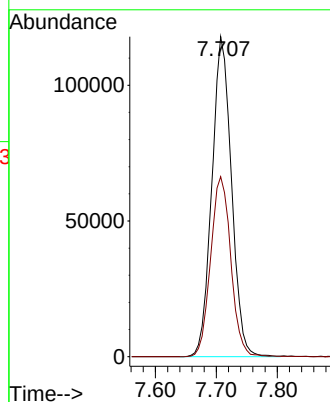
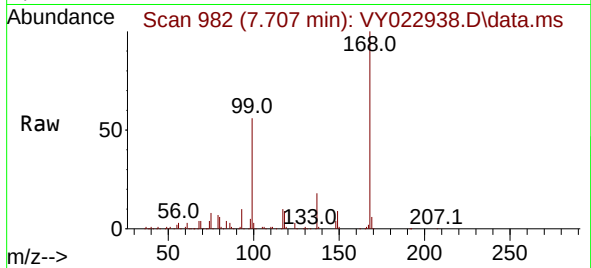




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022938.D
Acq: 03 Jul 2025 13:26

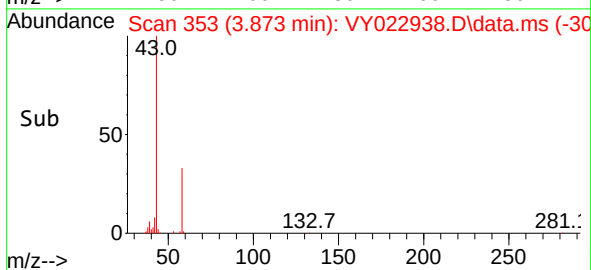
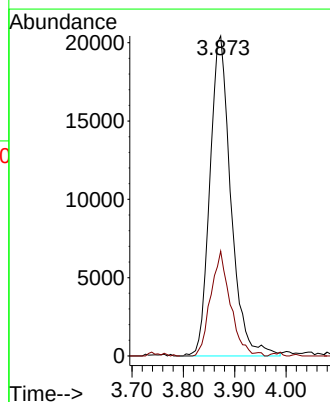
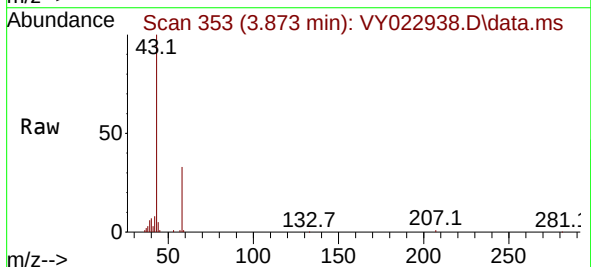
Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

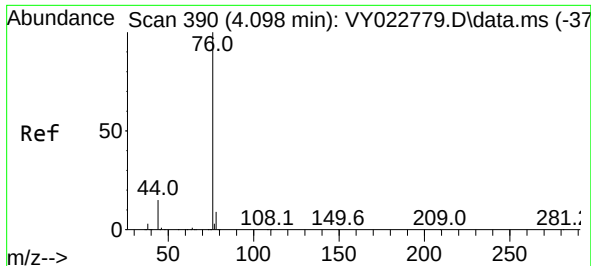
Tgt Ion:168 Resp: 263891
Ion Ratio Lower Upper
168 100
99 56.3 44.3 66.5



#16
Acetone
Concen: 104.036 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022938.D
Acq: 03 Jul 2025 13:26

Tgt Ion: 43 Resp: 57915
Ion Ratio Lower Upper
43 100
58 32.8 24.0 36.0

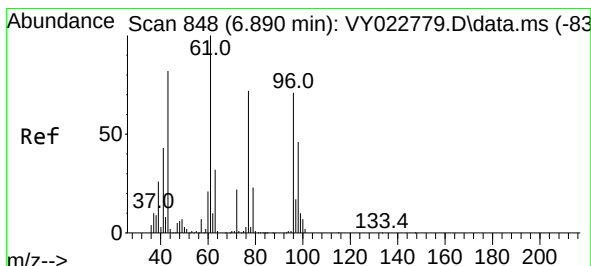
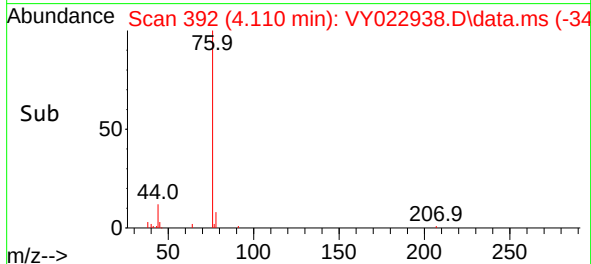
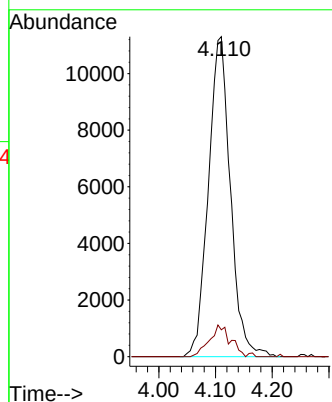
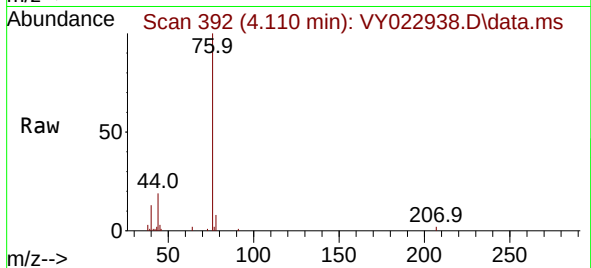




#17
Carbon Disulfide
Concen: 3.535 ug/l
RT: 4.110 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY022938.D
Acq: 03 Jul 2025 13:26

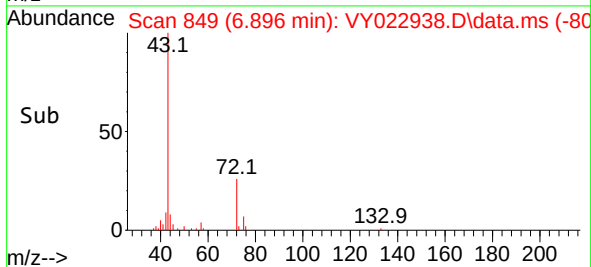
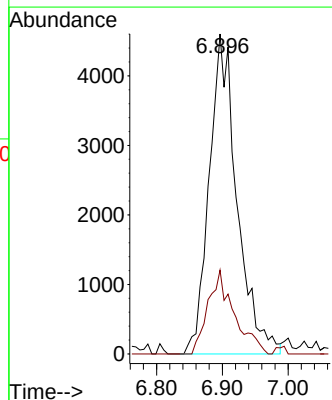
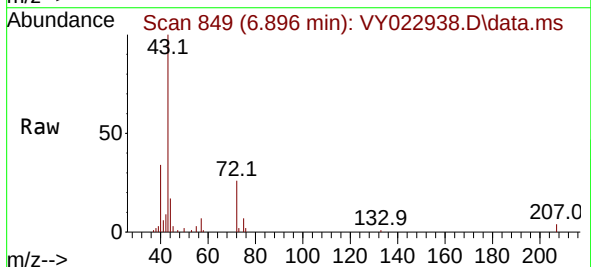
Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

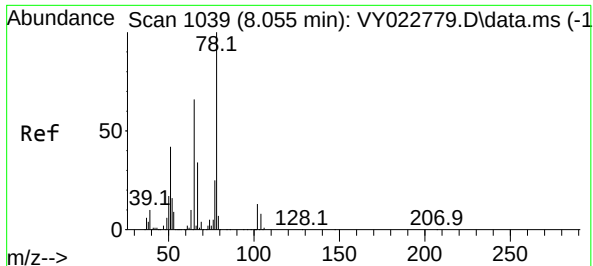
Tgt Ion: 76 Resp: 30501
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.2



#25
2-Butanone
Concen: 16.702 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY022938.D
Acq: 03 Jul 2025 13:26

Tgt Ion: 43 Resp: 13532
Ion Ratio Lower Upper
43 100
72 26.2 22.9 34.3

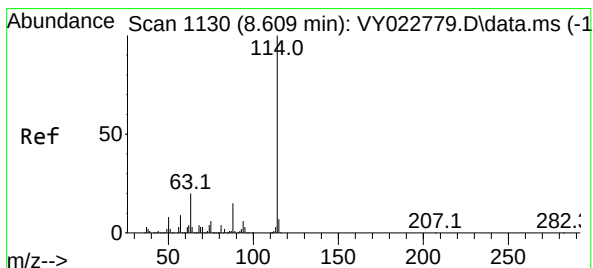
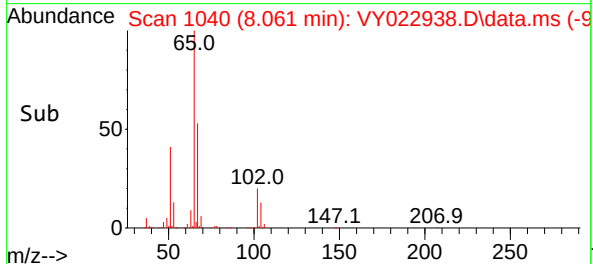
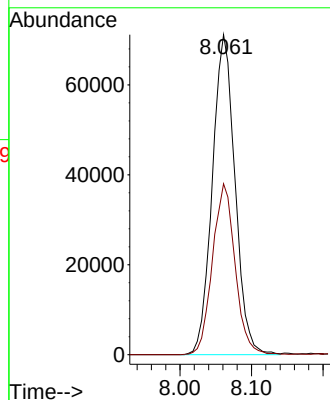
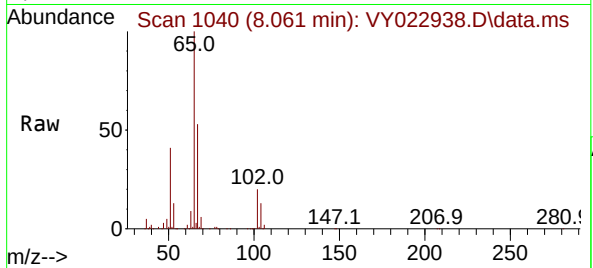




#33
 1,2-Dichloroethane-d4
 Concen: 53.264 ug/l
 RT: 8.061 min Scan# 110
 Delta R.T. -0.006 min
 Lab File: VY022938.D
 Acq: 03 Jul 2025 13:26

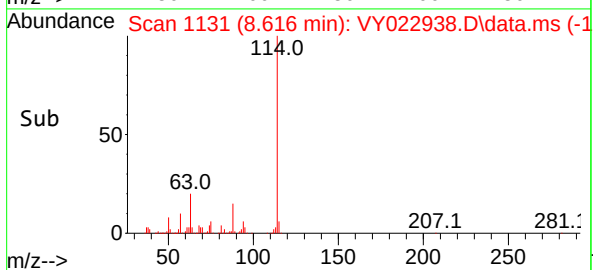
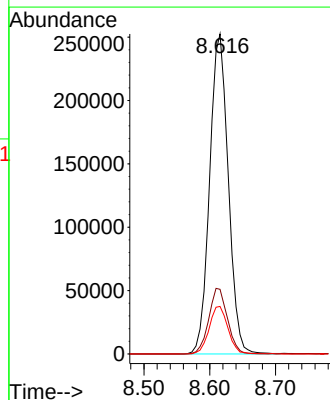
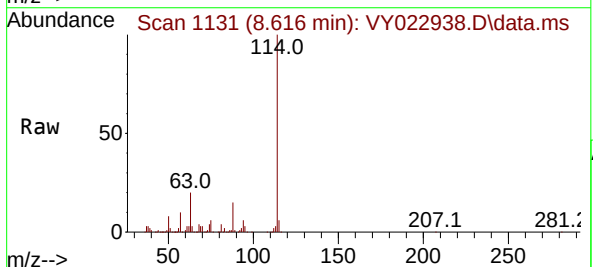
Instrument :
 MSVOA_Y
 ClientSampleId :
 G4(1.5)

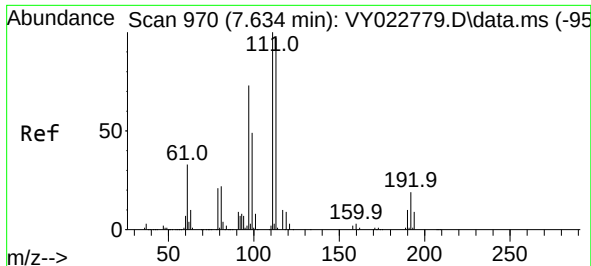
Tgt Ion: 65 Resp: 156878
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. -0.000 min
 Lab File: VY022938.D
 Acq: 03 Jul 2025 13:26

Tgt Ion: 114 Resp: 498003
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.8
 88 14.8 0.0 27.8

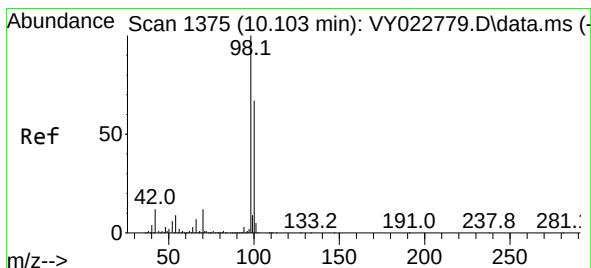
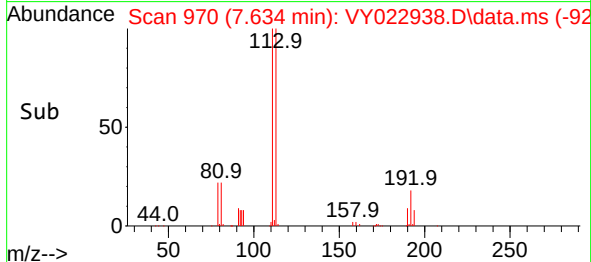
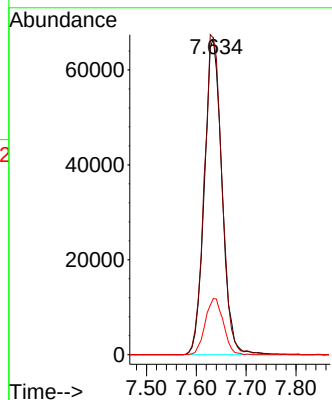
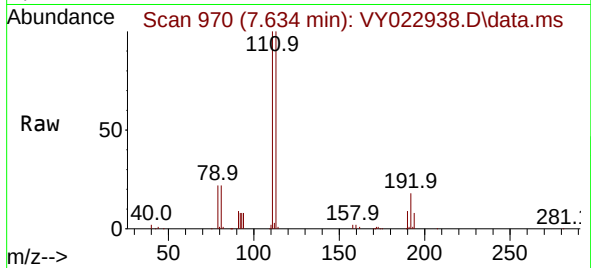




#35
Dibromofluoromethane
Concen: 53.666 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022938.D
Acq: 03 Jul 2025 13:26

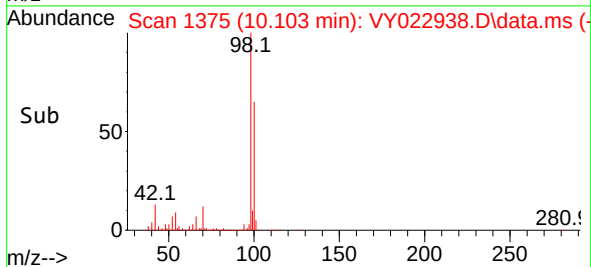
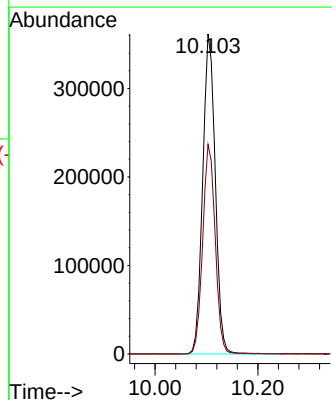
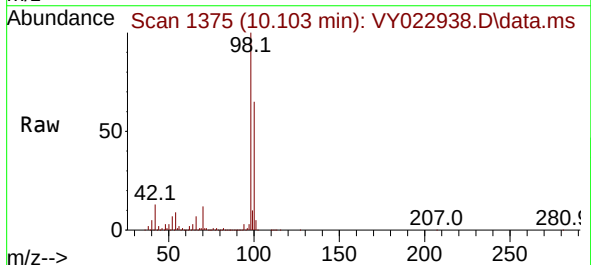
Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

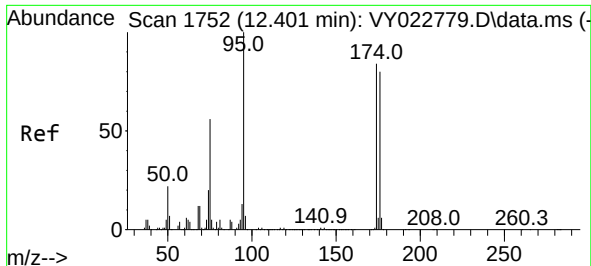
Tgt Ion:113 Resp: 162534
Ion Ratio Lower Upper
113 100
111 101.9 81.1 121.7
192 18.4 14.2 21.2



#50
Toluene-d8
Concen: 50.923 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022938.D
Acq: 03 Jul 2025 13:26

Tgt Ion: 98 Resp: 611986
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 55.346 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022938.D

Acq: 03 Jul 2025 13:26

Instrument :

MSVOA_Y

ClientSampleId :

G4(1.5)

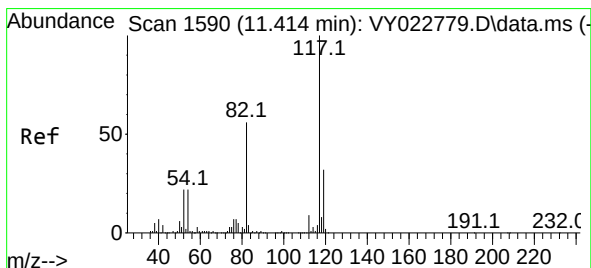
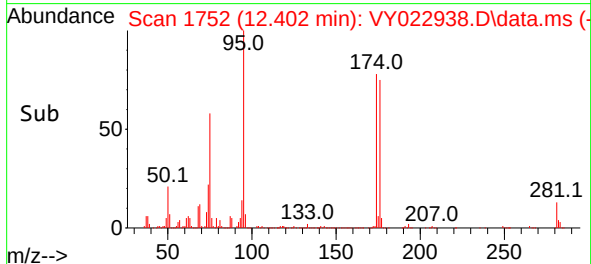
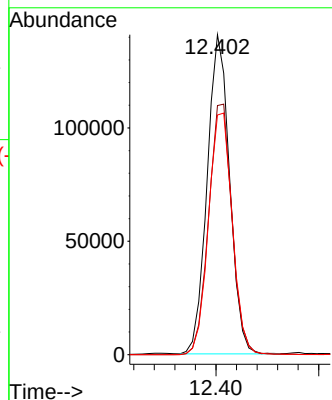
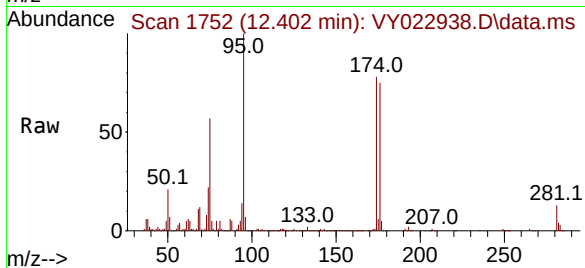
Tgt Ion: 95 Resp: 213824

Ion Ratio Lower Upper

95 100

174 81.7 0.0 170.0

176 80.3 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: VY022938.D

Acq: 03 Jul 2025 13:26

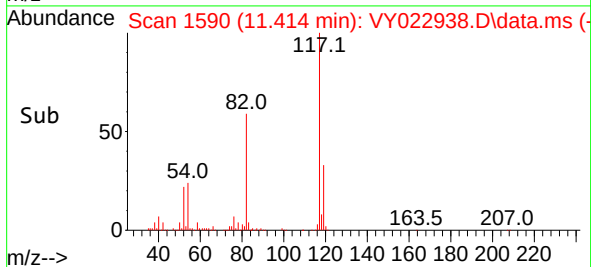
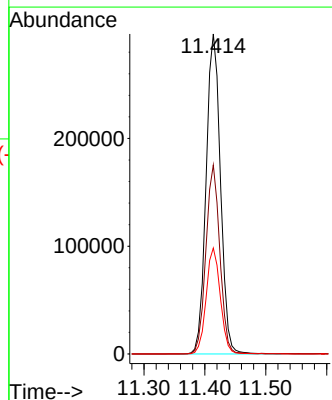
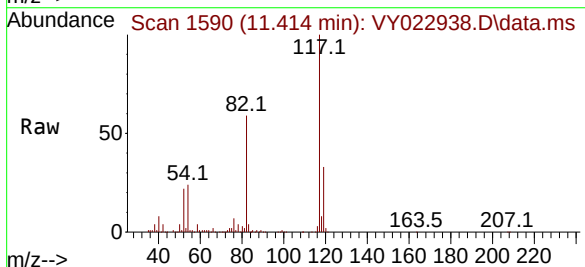
Tgt Ion: 117 Resp: 486484

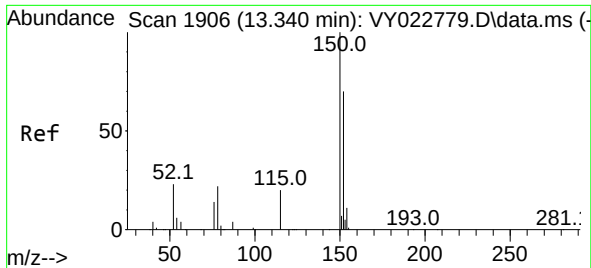
Ion Ratio Lower Upper

117 100

82 59.0 44.6 66.8

119 33.1 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: VY022938.D
 Acq: 03 Jul 2025 13:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 G4(1.5)

Tgt Ion:152 Resp: 211646
 Ion Ratio Lower Upper
 152 100
 115 57.8 28.9 86.7
 150 157.1 0.0 349.6

