

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
 Data File : VY022658.D
 Acq On : 11 Jun 2025 12:48
 Operator : SY/MD
 Sample : Q2251-07
 Misc : 6.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-182-GW-780-782

Quant Time: Jun 12 05:06:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

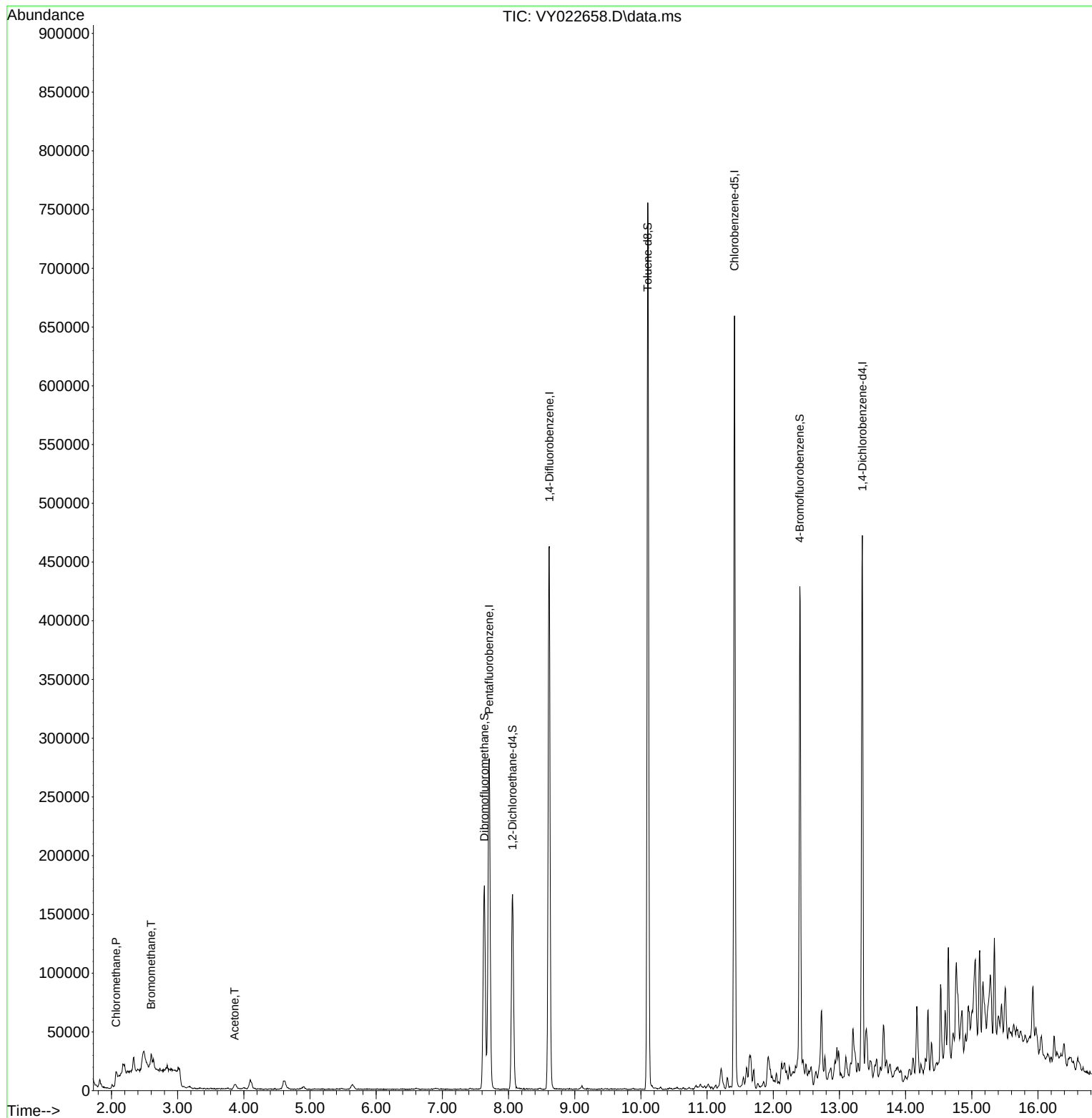
Internal Standards						
1) Pentafluorobenzene	7.707	168	210051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	390122	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	315222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	106070	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	126766	53.959	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.920%	
35) Dibromofluoromethane	7.634	113	119054	51.128	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.260%	
50) Toluene-d8	10.103	98	468077	49.749	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.500%	
62) 4-Bromofluorobenzene	12.402	95	115544	41.216	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.440%	
Target Compounds						
						Qvalue
3) Chloromethane	2.068	50	6002	1.080	ug/l #	86
5) Bromomethane	2.599	94	7431	1.203	ug/l	86
16) Acetone	3.861	43	7229	15.152	ug/l	96

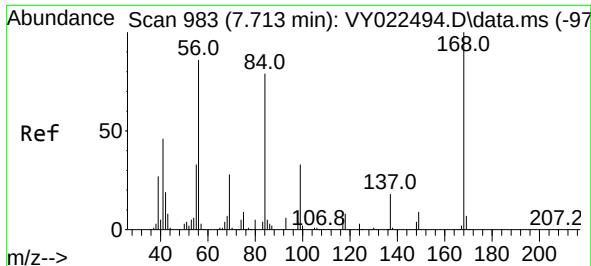
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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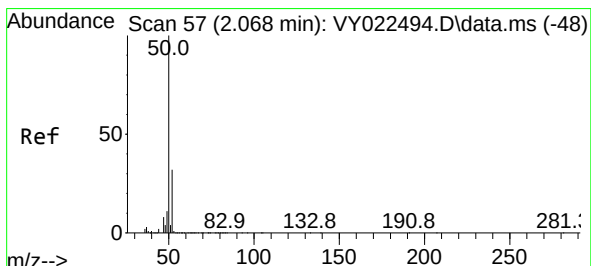
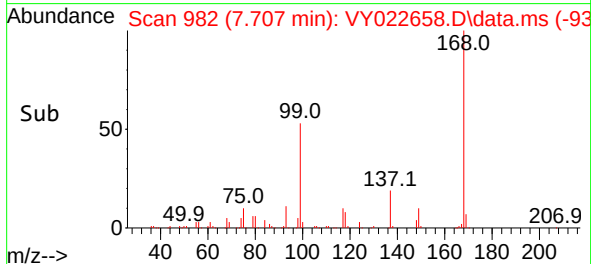
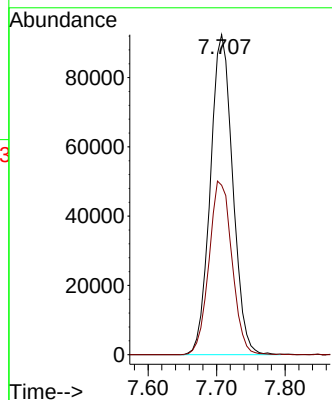
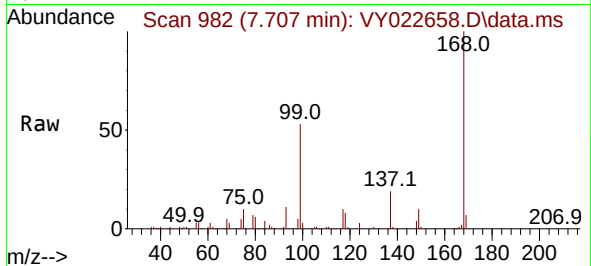




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 99
Delta R.T. -0.006 min
Lab File: VY022658.D
Acq: 11 Jun 2025 12:48

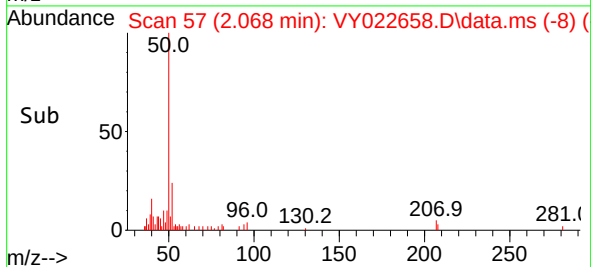
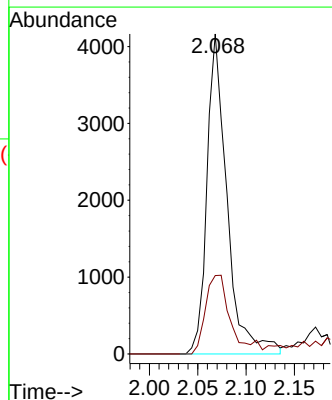
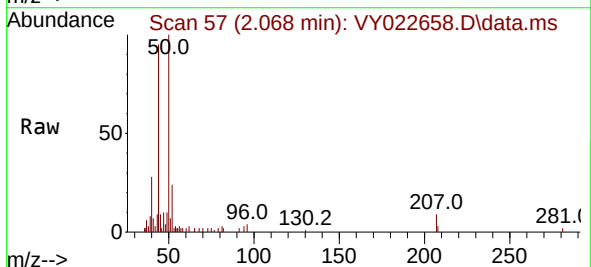
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-780-782

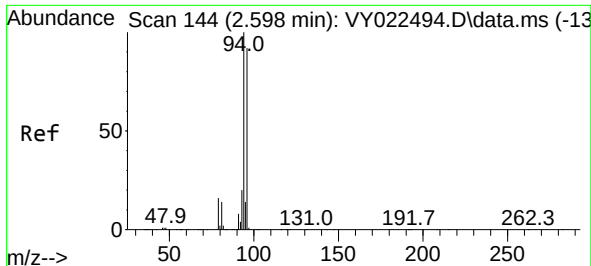
Tgt Ion:168 Resp: 210051
Ion Ratio Lower Upper
168 100
99 52.9 44.3 66.5



#3
Chloromethane
Concen: 1.080 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY022658.D
Acq: 11 Jun 2025 12:48

Tgt Ion: 50 Resp: 6002
Ion Ratio Lower Upper
50 100
52 24.5 26.0 39.0#

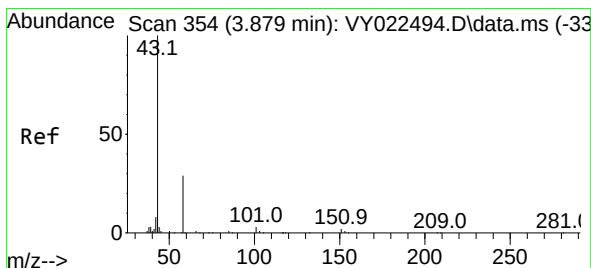
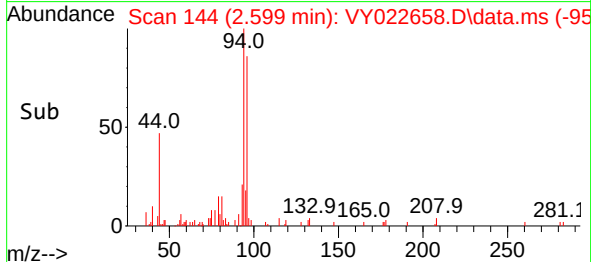
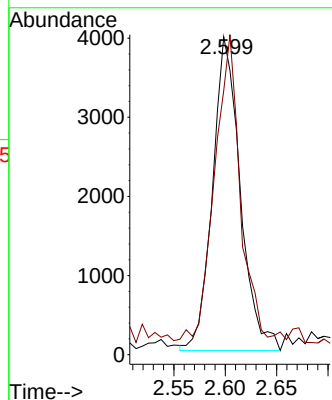
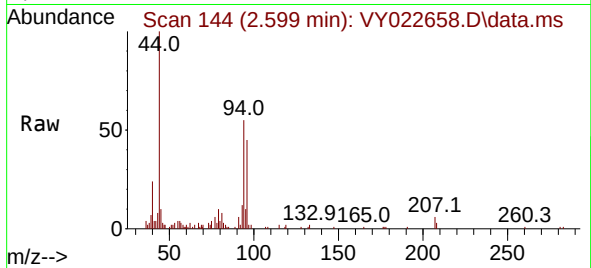




#5
Bromomethane
Concen: 1.203 ug/l
RT: 2.599 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022658.D
Acq: 11 Jun 2025 12:48

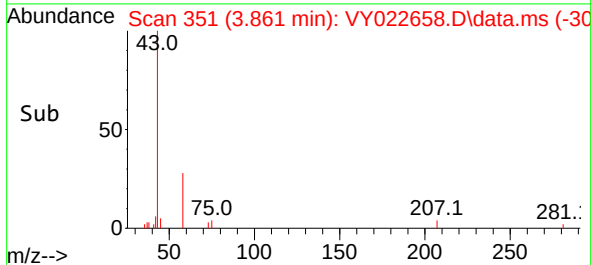
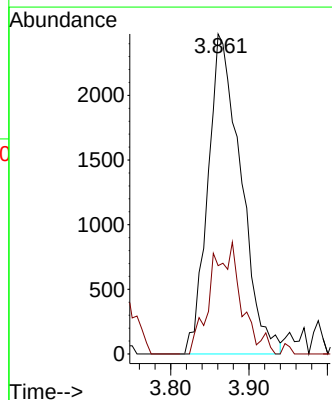
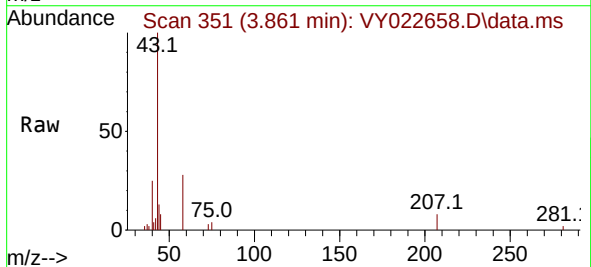
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-780-782

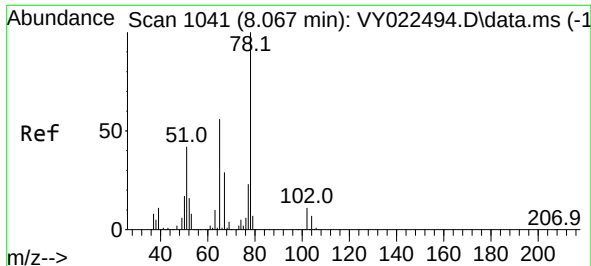
Tgt Ion: 94 Resp: 7431
Ion Ratio Lower Upper
94 100
96 79.2 74.0 111.0



#16
Acetone
Concen: 15.152 ug/l
RT: 3.861 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY022658.D
Acq: 11 Jun 2025 12:48

Tgt Ion: 43 Resp: 7229
Ion Ratio Lower Upper
43 100
58 27.6 24.0 36.0

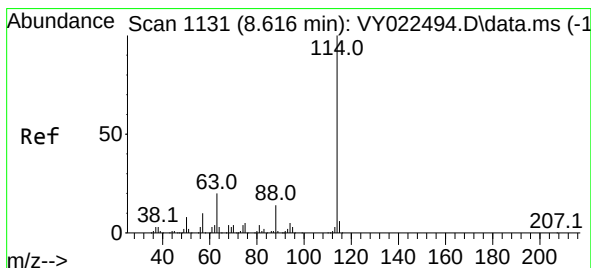
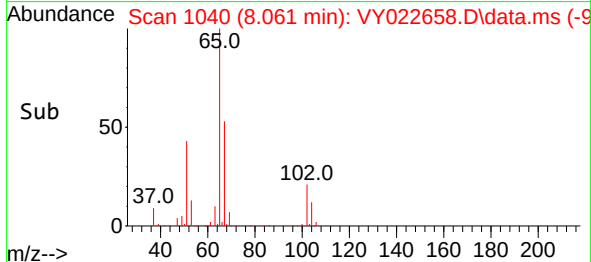
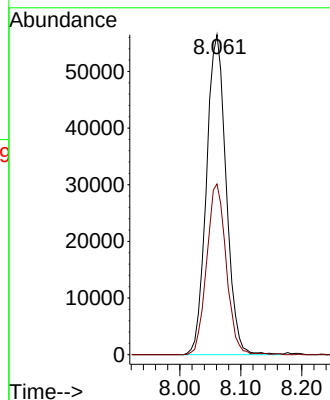
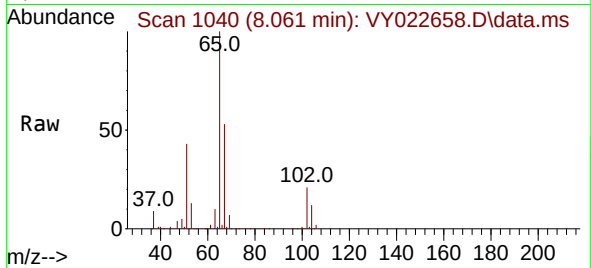




#33
1,2-Dichloroethane-d4
Concen: 53.959 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022658.D
Acq: 11 Jun 2025 12:48

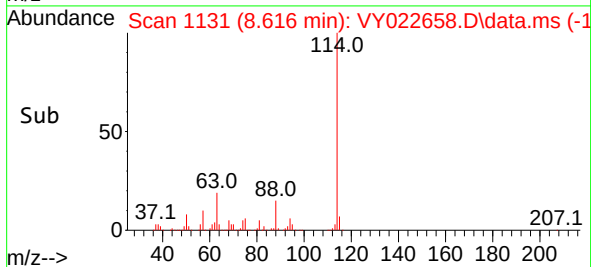
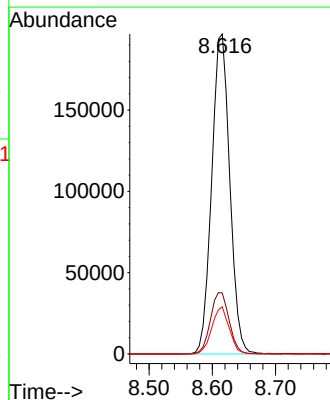
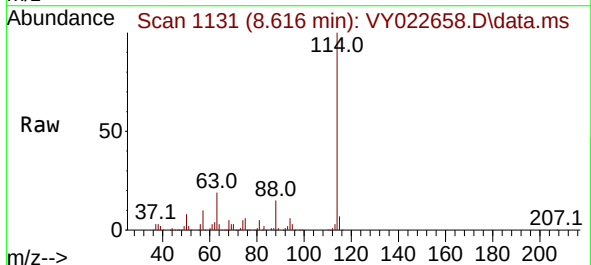
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-780-782

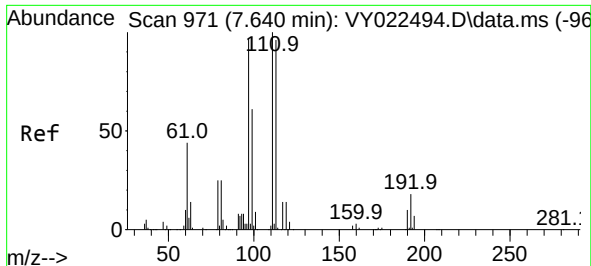
Tgt Ion: 65 Resp: 126766
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022658.D
Acq: 11 Jun 2025 12:48

Tgt Ion: 114 Resp: 390122
Ion Ratio Lower Upper
114 100
63 19.1 0.0 40.8
88 14.8 0.0 27.8

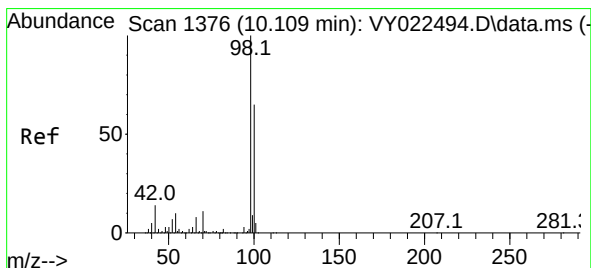
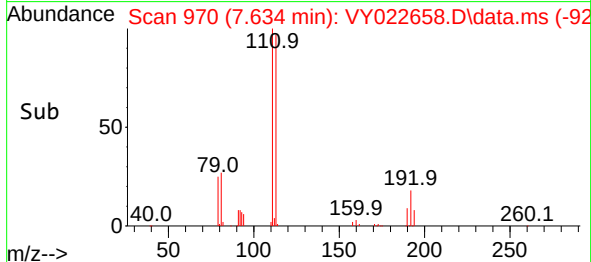
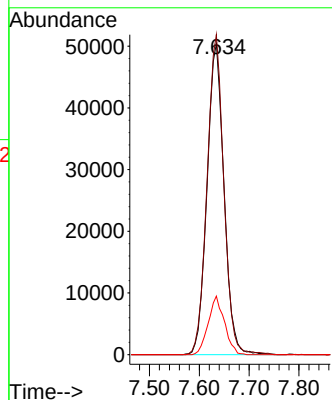
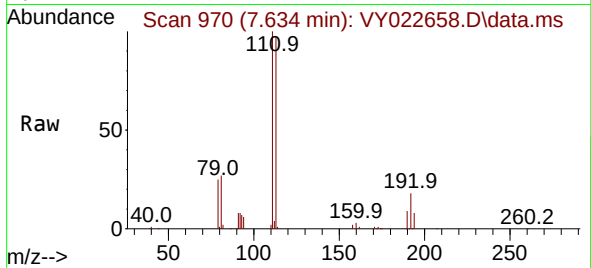




#35
Dibromofluoromethane
Concen: 51.128 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022658.D
Acq: 11 Jun 2025 12:48

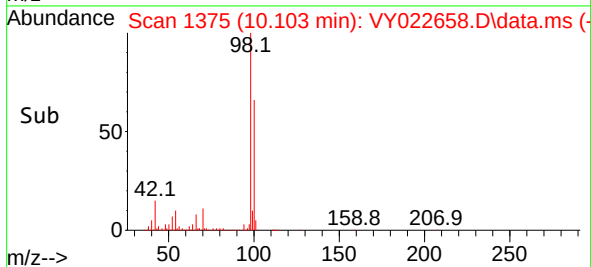
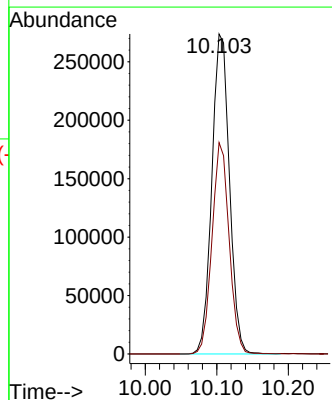
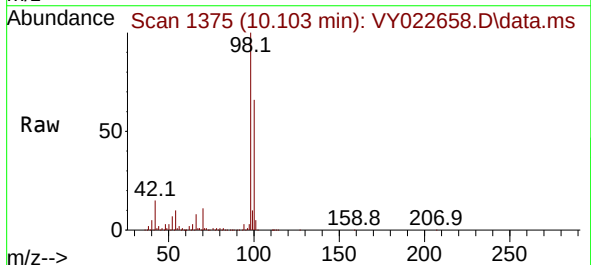
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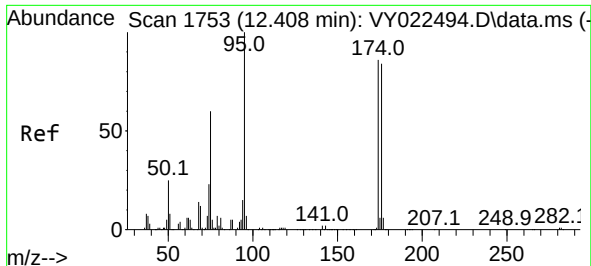
Tgt Ion:113 Resp: 119054
Ion Ratio Lower Upper
113 100
111 101.9 81.1 121.7
192 18.0 14.2 21.2



#50
Toluene-d8
Concen: 49.749 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022658.D
Acq: 11 Jun 2025 12:48

Tgt Ion: 98 Resp: 468077
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0

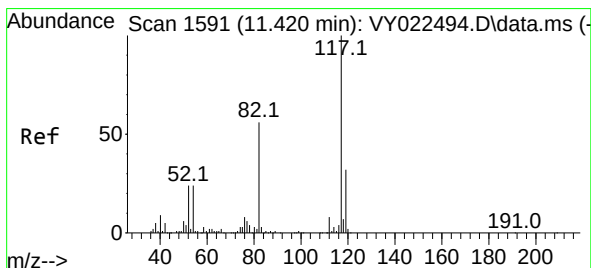
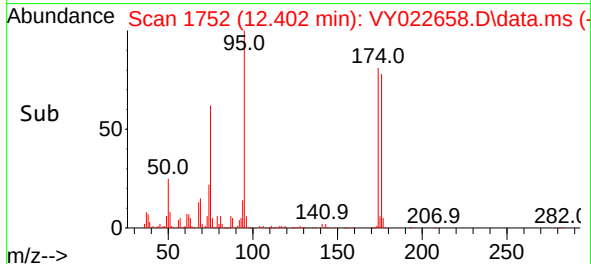
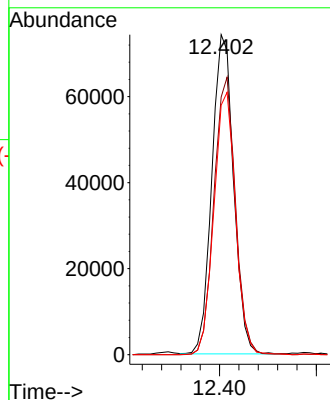
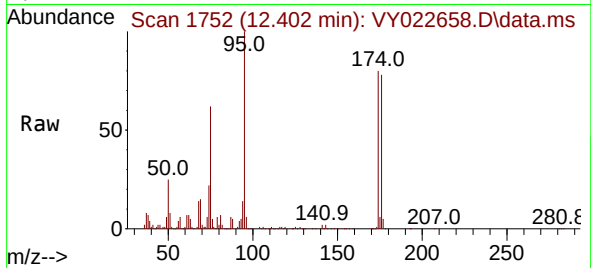




#62
4-Bromofluorobenzene
Concen: 41.216 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022658.D
Acq: 11 Jun 2025 12:48

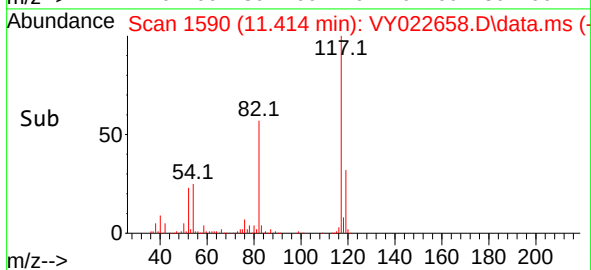
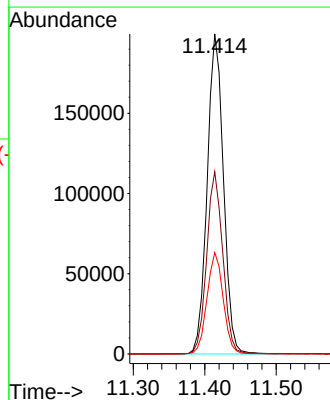
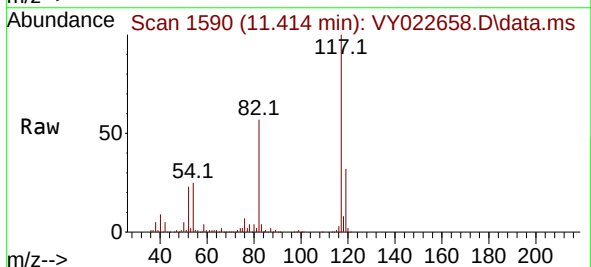
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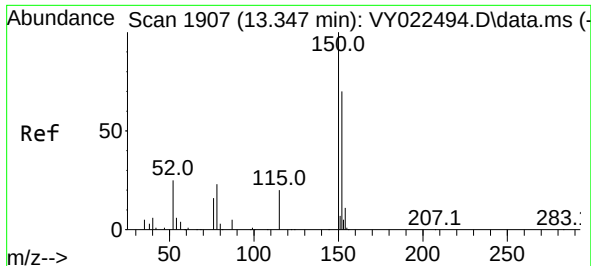
Tgt Ion: 95 Resp: 115544
Ion Ratio Lower Upper
95 100
174 86.4 0.0 170.0
176 82.3 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022658.D
Acq: 11 Jun 2025 12:48

Tgt Ion: 117 Resp: 315222
Ion Ratio Lower Upper
117 100
82 56.8 44.6 66.8
119 31.7 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022658.D
 Acq: 11 Jun 2025 12:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-182-GW-780-782

Tgt Ion:152 Resp: 106070
 Ion Ratio Lower Upper
 152 100
 115 56.6 28.9 86.7
 150 158.4 0.0 349.6

