

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022916.D
 Acq On : 02 Jul 2025 16:43
 Operator : SY/MD
 Sample : Q2458-09
 Misc : 8.44g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-59

Quant Time: Jul 03 02:24:49 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)

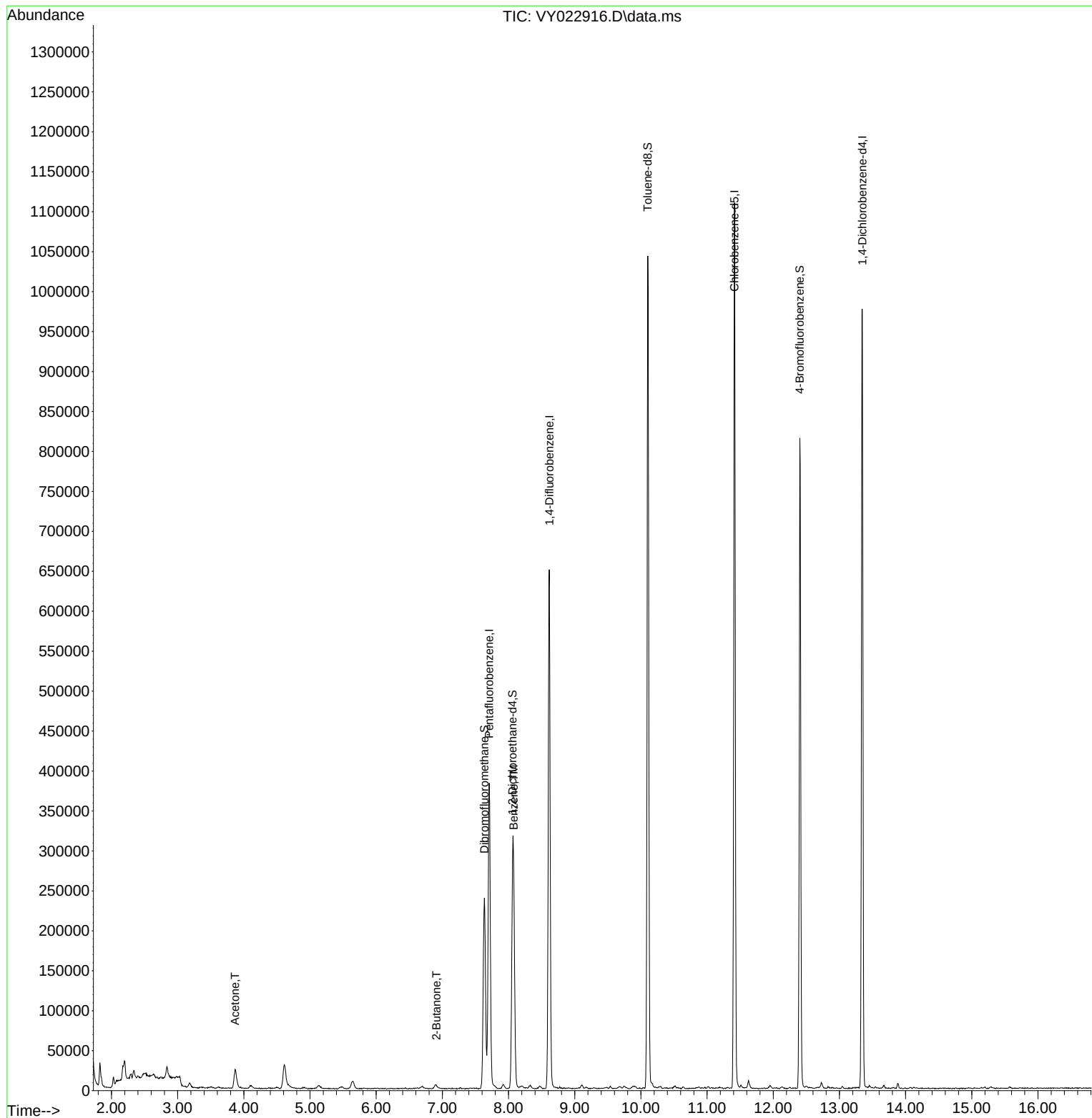
Internal Standards						
1) Pentafluorobenzene	7.707	168	283498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	538609	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	550757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	239711	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	173927	54.968	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.940%	
35) Dibromofluoromethane	7.634	113	173711	53.032	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.060%	
50) Toluene-d8	10.103	98	667759	51.374	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.740%	
62) 4-Bromofluorobenzene	12.401	95	238321	57.036	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 114.080%	
Target Compounds						
						Qvalue
16) Acetone	3.866	43	41878	70.025	ug/l	99
25) 2-Butanone	6.909	43	8896	10.221	ug/l #	87
40) Benzene	8.079	78	160046	10.485	ug/l	99

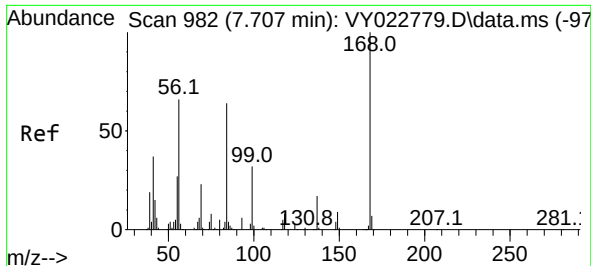
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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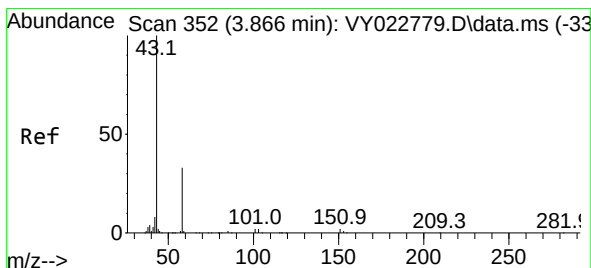
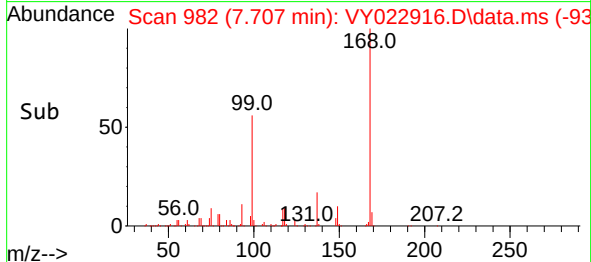
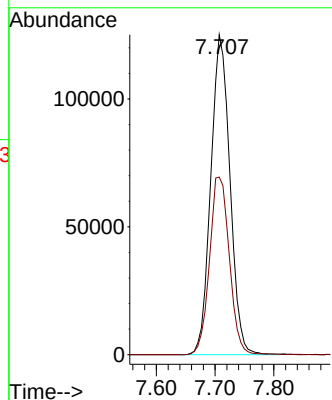
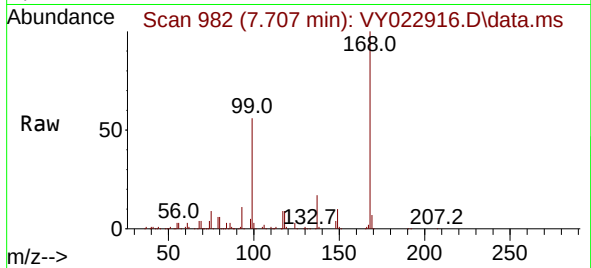




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022916.D
Acq: 02 Jul 2025 16:43

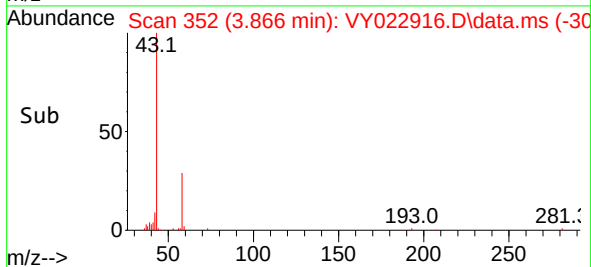
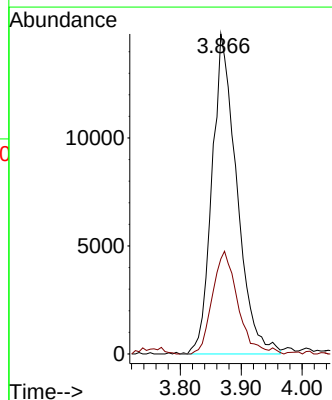
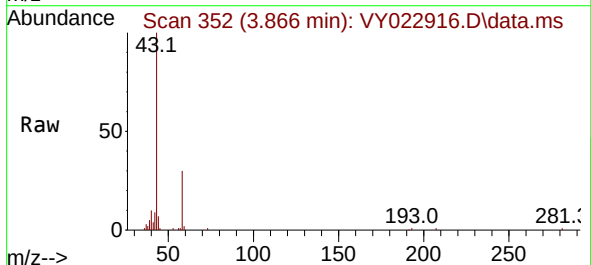
Instrument :
MSVOA_Y
ClientSampleId :
TP-59

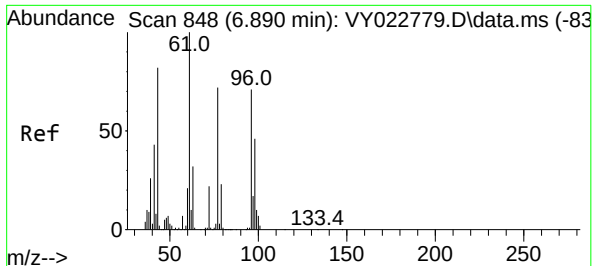
Tgt Ion:168 Resp: 283498
Ion Ratio Lower Upper
168 100
99 55.5 44.3 66.5



#16
Acetone
Concen: 70.025 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022916.D
Acq: 02 Jul 2025 16:43

Tgt Ion: 43 Resp: 41878
Ion Ratio Lower Upper
43 100
58 29.7 24.0 36.0

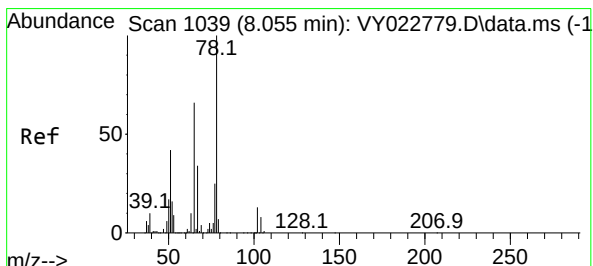
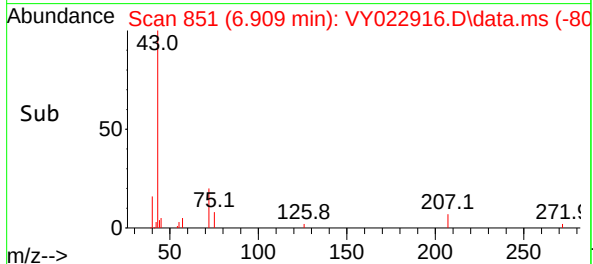
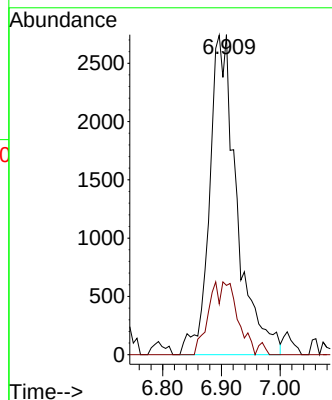
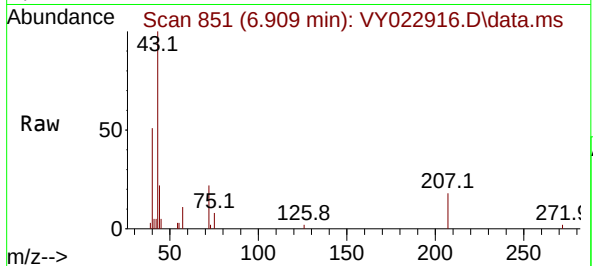




#25
2-Butanone
Concen: 10.221 ug/l
RT: 6.909 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY022916.D
Acq: 02 Jul 2025 16:43

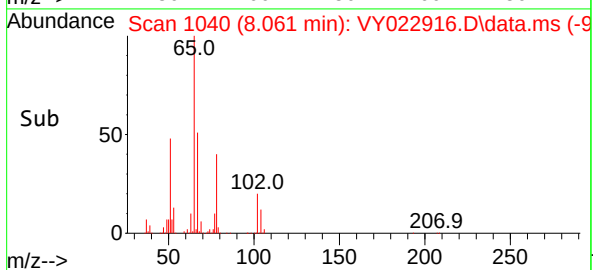
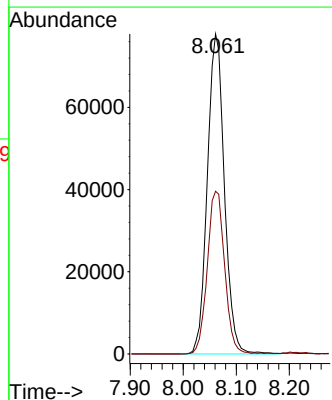
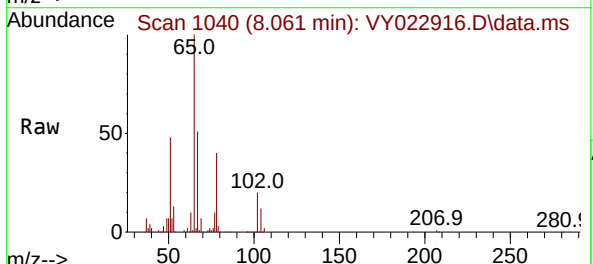
Instrument :
MSVOA_Y
ClientSampleId :
TP-59

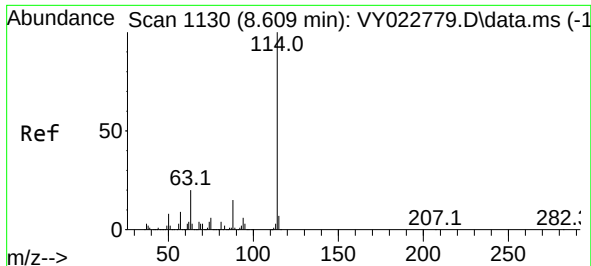
Tgt Ion: 43 Resp: 8896
Ion Ratio Lower Upper
43 100
72 21.6 22.9 34.3#



#33
1,2-Dichloroethane-d4
Concen: 54.968 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022916.D
Acq: 02 Jul 2025 16:43

Tgt Ion: 65 Resp: 173927
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.4

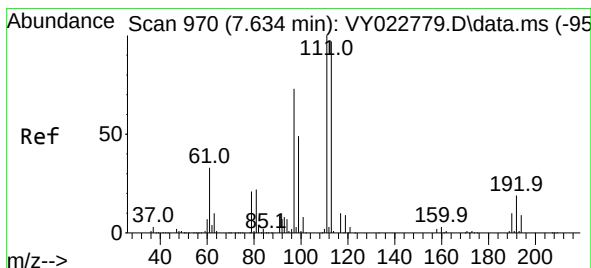
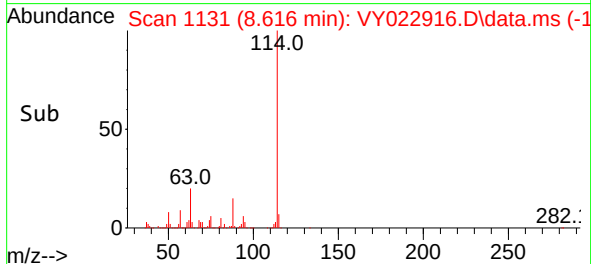
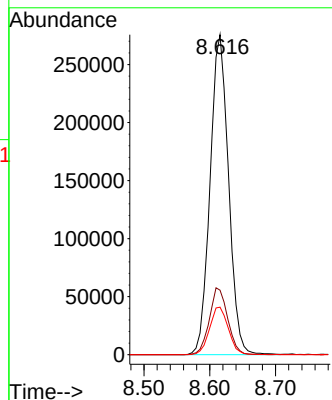
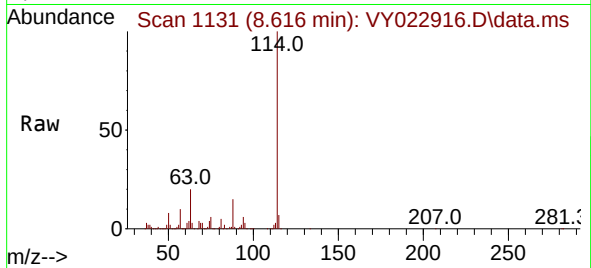




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022916.D
Acq: 02 Jul 2025 16:43

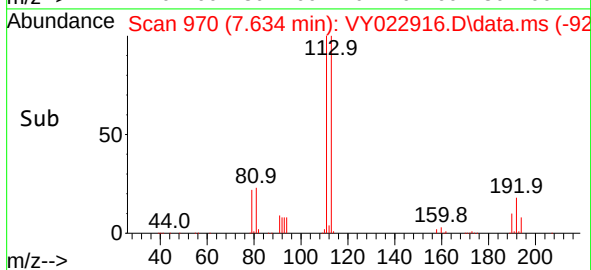
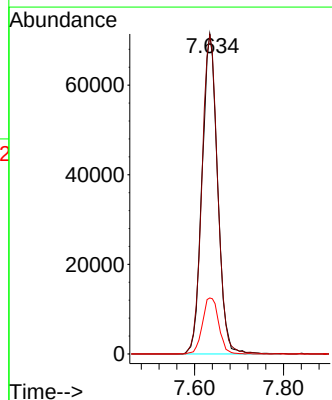
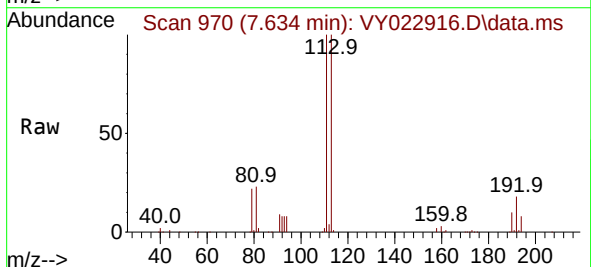
Instrument :
MSVOA_Y
ClientSampleId :
TP-59

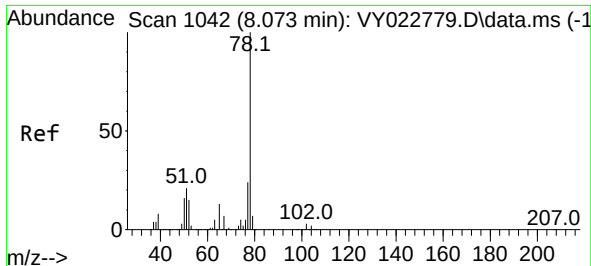
Tgt Ion:114 Resp: 538609
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.8
88 14.9 0.0 27.8



#35
Dibromofluoromethane
Concen: 53.032 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022916.D
Acq: 02 Jul 2025 16:43

Tgt Ion:113 Resp: 173711
Ion Ratio Lower Upper
113 100
111 101.1 81.1 121.7
192 18.3 14.2 21.2

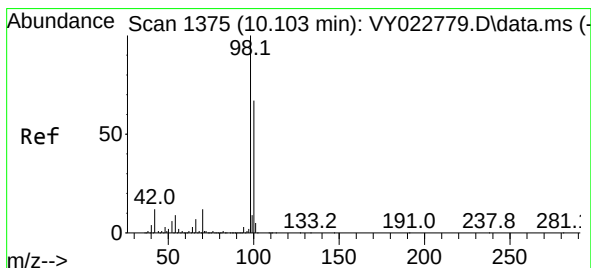
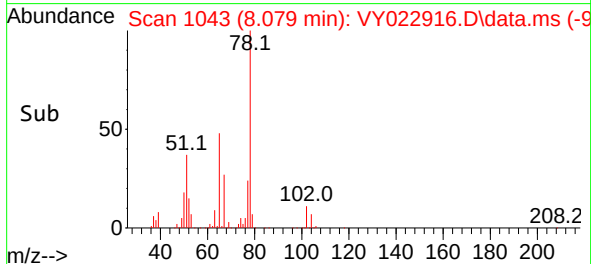
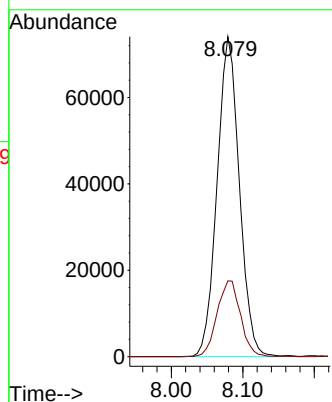
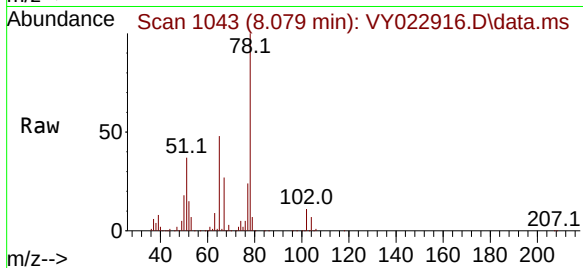




#40
Benzene
Concen: 10.485 ug/l
RT: 8.079 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VY022916.D
Acq: 02 Jul 2025 16:43

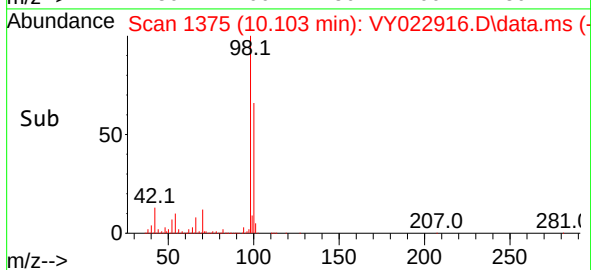
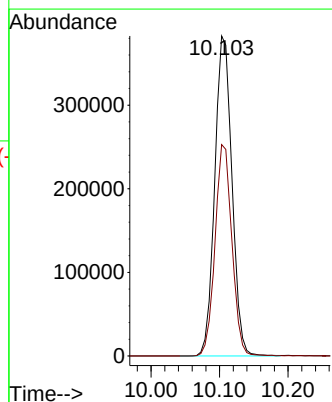
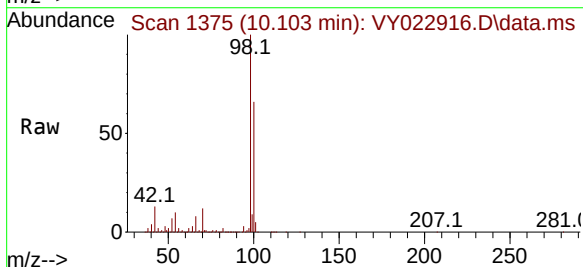
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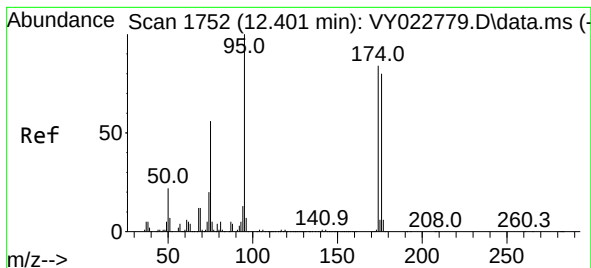
Tgt Ion: 78 Resp: 160046
Ion Ratio Lower Upper
78 100
77 23.7 19.3 28.9



#50
Toluene-d8
Concen: 51.374 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022916.D
Acq: 02 Jul 2025 16:43

Tgt Ion: 98 Resp: 667759
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0

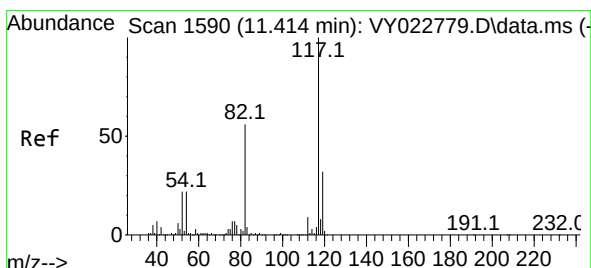
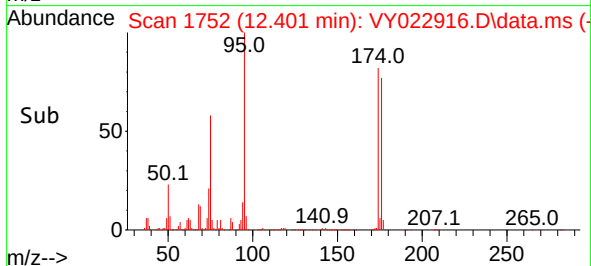
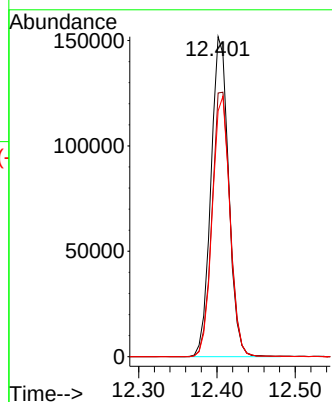
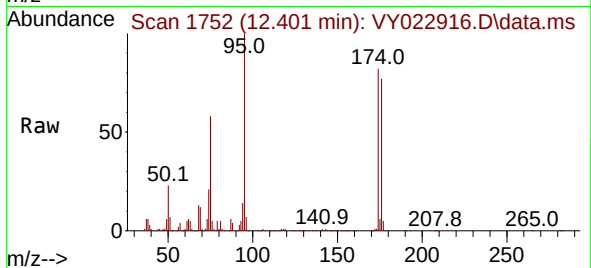




#62
4-Bromofluorobenzene
Concen: 57.036 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022916.D
Acq: 02 Jul 2025 16:43

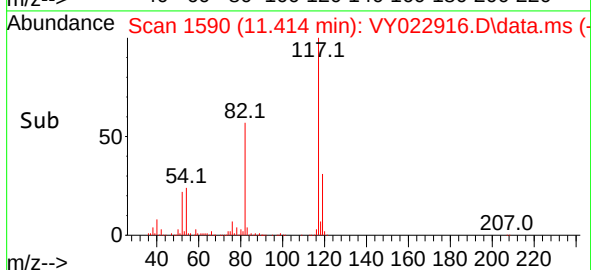
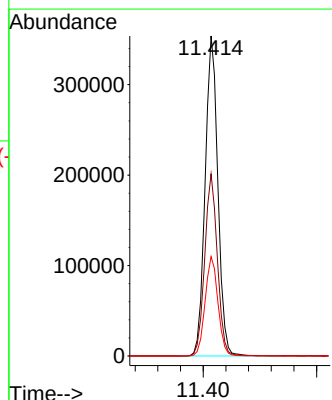
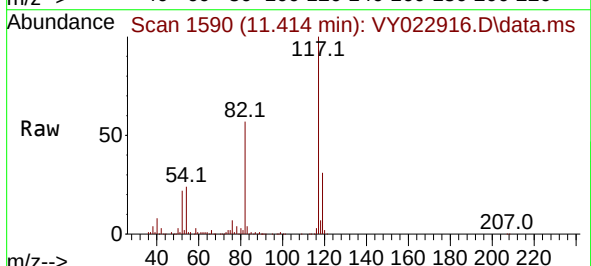
Instrument :
MSVOA_Y
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TP-59

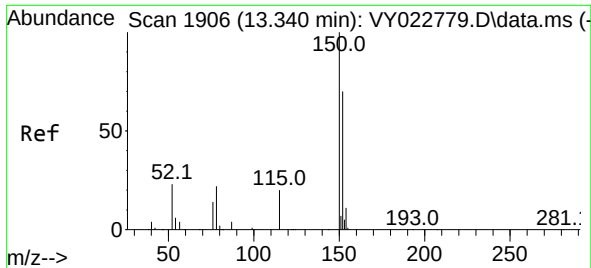
Tgt Ion: 95 Resp: 238321
Ion Ratio Lower Upper
95 100
174 84.2 0.0 170.0
176 81.1 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022916.D
Acq: 02 Jul 2025 16:43

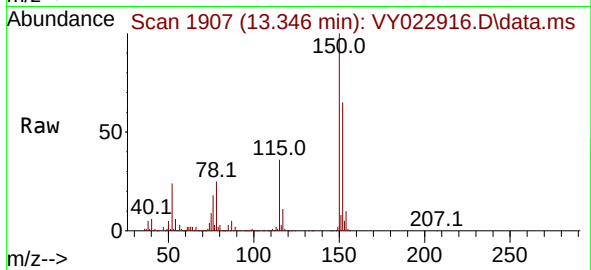
Tgt Ion: 117 Resp: 550757
Ion Ratio Lower Upper
117 100
82 56.9 44.6 66.8
119 31.1 25.4 38.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022916.D
Acq: 02 Jul 2025 16:43

Instrument :
MSVOA_Y
ClientSampleId :
TP-59



Tgt Ion:152 Resp: 239711
Ion Ratio Lower Upper
152 100
115 57.9 28.9 86.7
150 157.2 0.0 349.6

