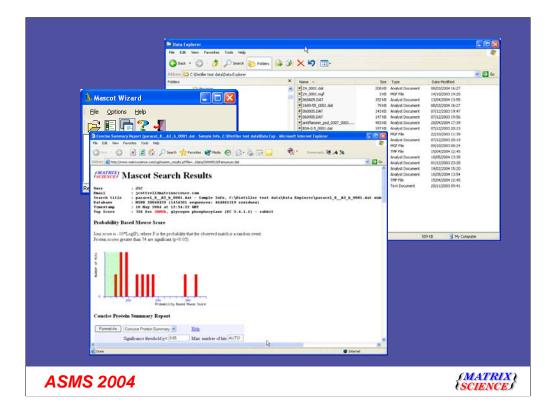




Mascot Wizard is a simple desktop tool that provides a drag and drop interface for submitting peptide mass fingerprint searches to a Mascot server.

The smart thing is that it uses the Mascot Distiller libraries to process raw data files into peak lists.

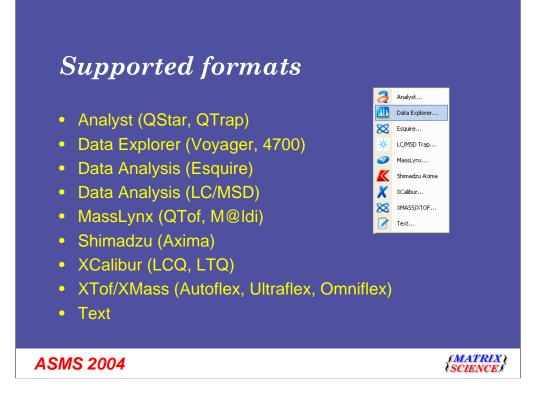
And the really smart thing is that it is freeware!



To ilustrate how it works, imagine we have a file of Voyager data that we want to search. We just drag the file onto the Mascot Wizard window and drop it. First, we have a progress bar for the peak detection, then we have a progress bar for the Mascot search.

Finally, a browser window pops up with the search results.

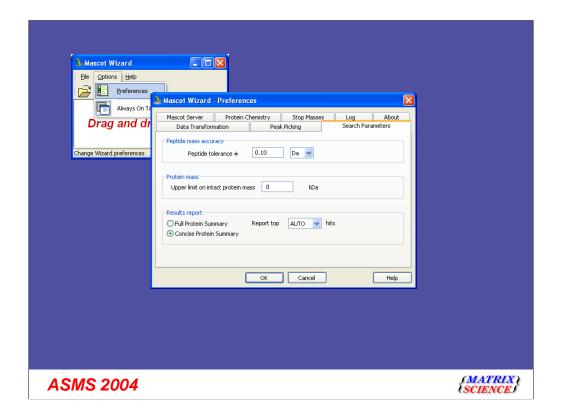
Although you can only process one file at a time, everything is fully automated.



Mascot Wizard uses the Mascot Distiller libraries to process raw files into peak lists. The formats currently supported by Distiller are listed here

In the case of text, the file can be either a peak list or profile data.

However, note that Mascot Wizard is only for peptide mass fingerprints. If your file contains MS/MS data, you have to use Mascot Distiller to process it.



The Mascot Wizard menus are very simple. All of the configuration options are in a single tabbed dialog. I'll run through this to point out some key features.

Mascot Server: The Mascot server can be either the Matrix Science public web site or your own in-house server. Note that, if you use the public web site, you must enter a valid user name and email address.

Protein Chemistry: Similar to a Mascot search form.

Stop masses: Lots of people ask us for the facility to define a list of stop masses, such as trypsin autolysis fragments. So, we added this to Wizard

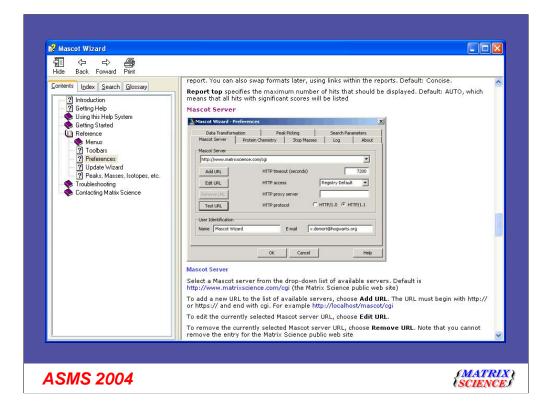
Log: Can be useful for debugging any problems

About: The Update Wizard checks our web site to see if a newer version is available

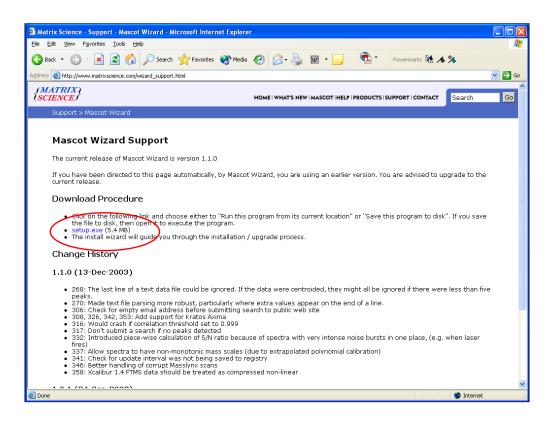
Data Transformation: Controls processing of text files, such as a peak lists and compressed profile data (where zero intensity values have been omitted). Note that this is where you choose whether a text file will be treated as a peak list or profile data.

Peak picking: The best way to get a feel for these parameters is to use Mascot Distiller. If you don't have a licensed copy, you can download it from our web site and get a free 30 day trial.

Search Parameters: Again, similar to a Mascot search form.



Mascot Wizard comes with full on-line help. So, if there is something you aren't sure about, please check this first



As I mentioned at the beginning, Mascot Wizard is freeware. You can download it from our web site. Choose Support from the main menu, then follow the link for Mascot Wizard.