

Software for Hiden Mass Spectrometers

Gas Analysis, Thermal Analysis and Residual Gas Analysis

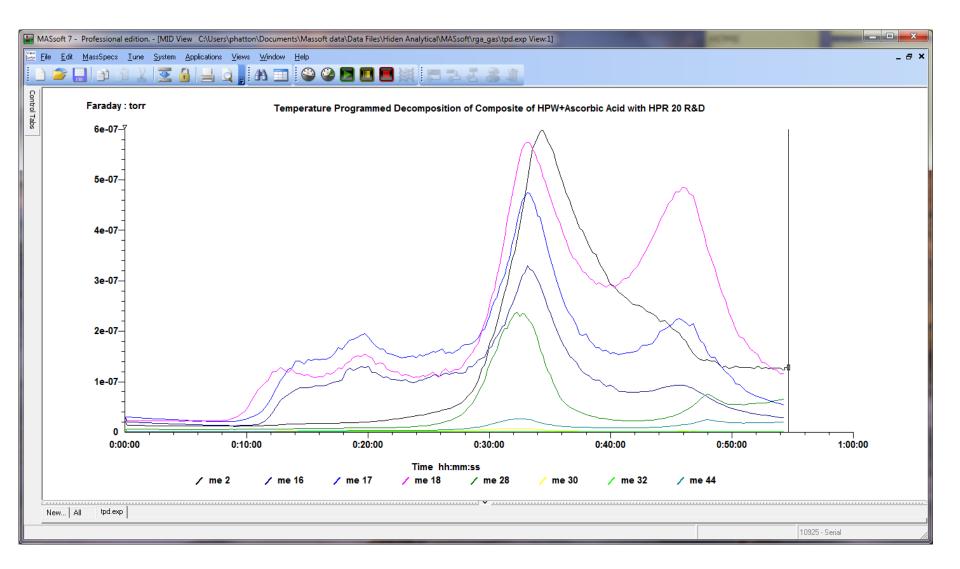
Including application specific software packages for:

Quantitative gas analysis

Evolved gas analysis – TA-MS

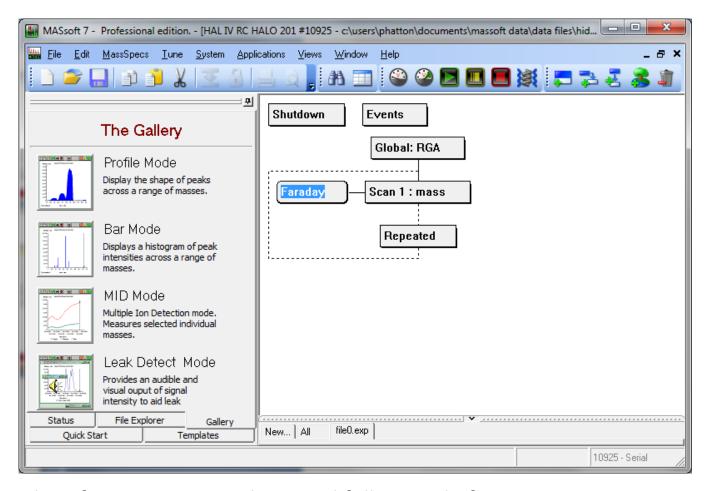
UHV-TPD

MASsoft Control Software





Mass Spectrometer – easy start

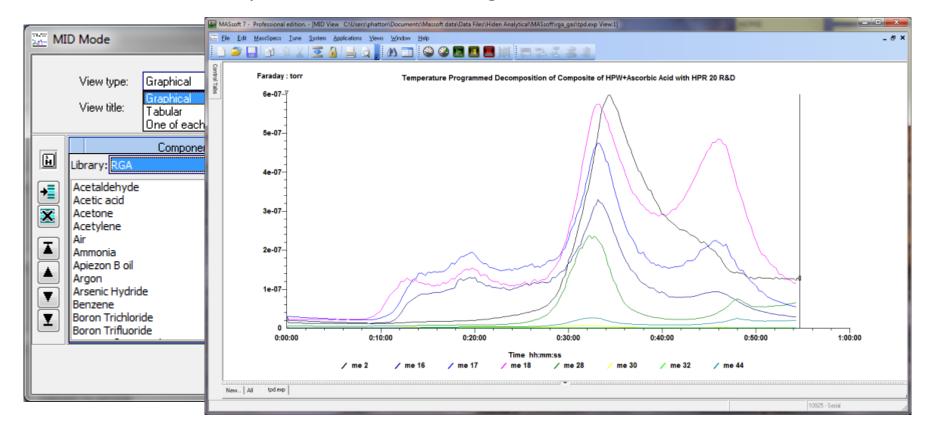


Pre set modes of operation, templates and full control of mass spectrometers parameters.



Trend Analysis

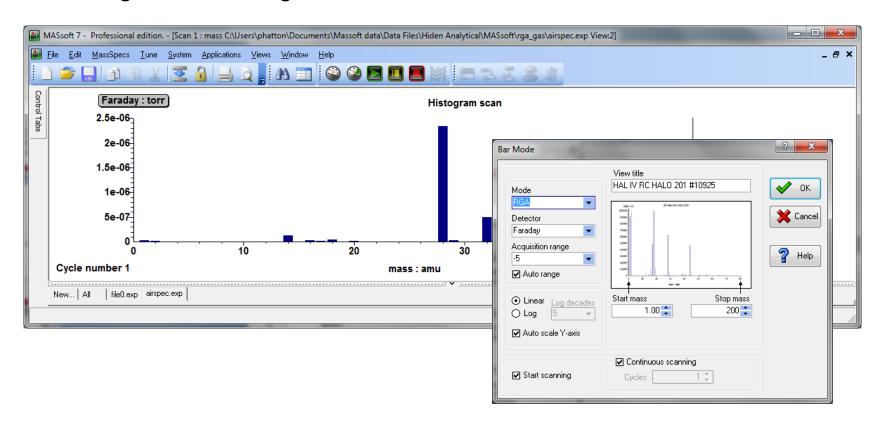
- Unlimited number of mass channels.
- Full mass spectrometer control on a per channel basis.
- Automatic mass peak selection from on board user editable library.
- Quantitative analysis with user editable algorithms.





Mass Spectrometer – mass scanning -1

Histogram scanning mode

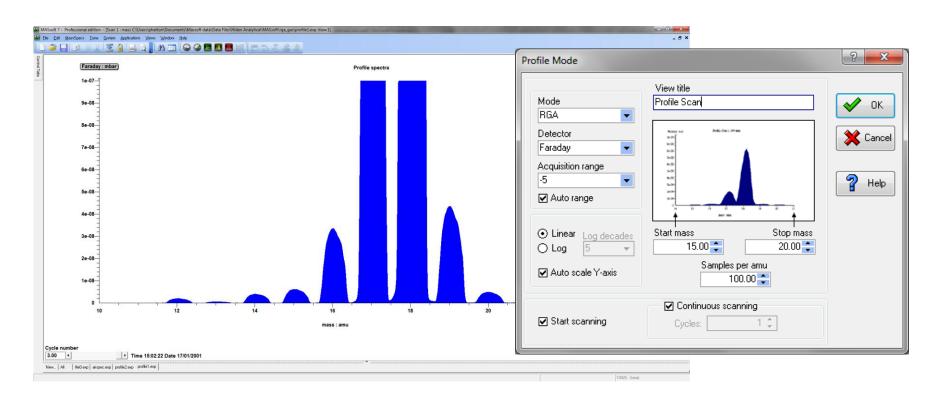


- Extract trend analysis for any mass peak(s) within the scan.
- New 4, 6 or 8 decade dynamic range scan.



Mass Spectrometer – mass scanning-2

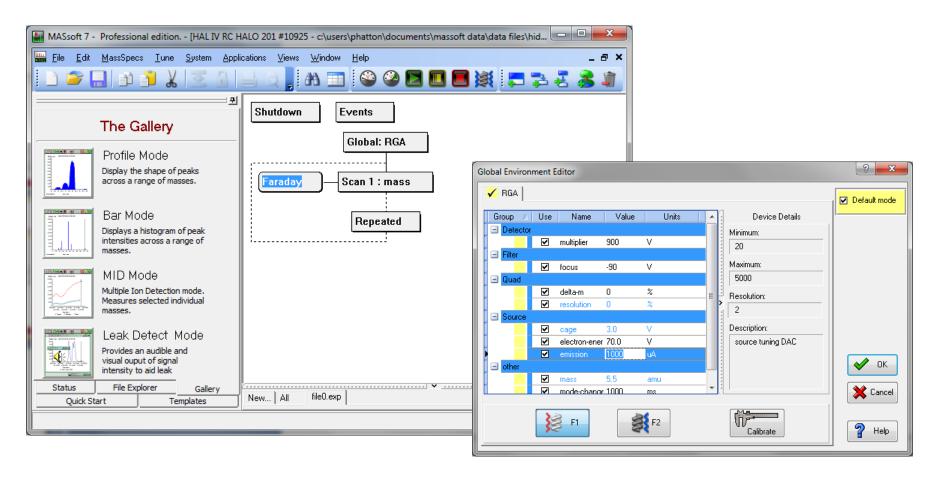
Peak profile diagnostic mode



 Optimised multistage analysis - configure different analysis for different parts of the experiment



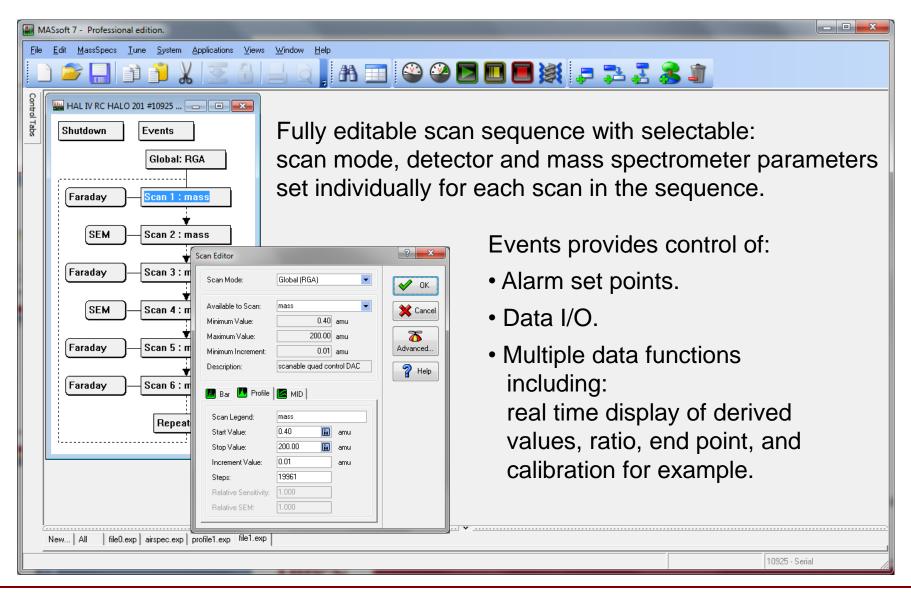
MS Control



Pre set modes of operation, templates and full control of mass spectrometers parameters



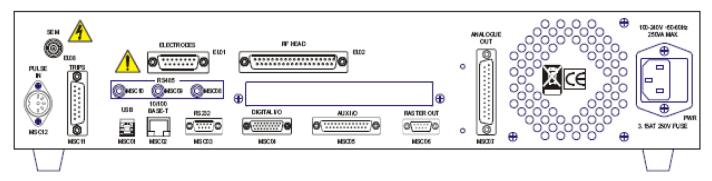
MS Control





Mass Spectrometer Interface Unit





- Ethernet TCP/IP, USB and RS232 communication links.
- I/O subsystem with:
 - multi protocol RS485 links for external devices, mass flow controllers,
 CO analyser, total pressure gauges for example.
 - 5 channel TTL for process control / automatic start stop trigger.
 - Analogue inputs and analogue signal output options.



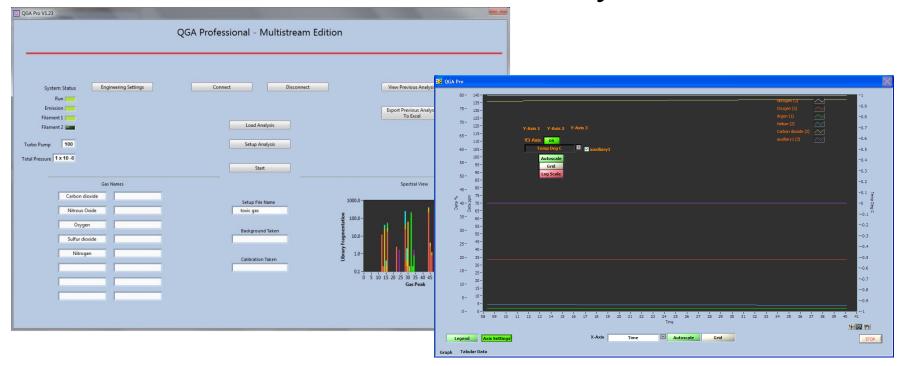
Application specific software packages for:

Quantitative gas analysis Evolved gas analysis – TA-MS UHV -TPD

- 1) QGA Quantitative Gas Analysis
- 2) EGAsoft Evolved Gas Analysis



QGA – Quantitative Gas Analysis

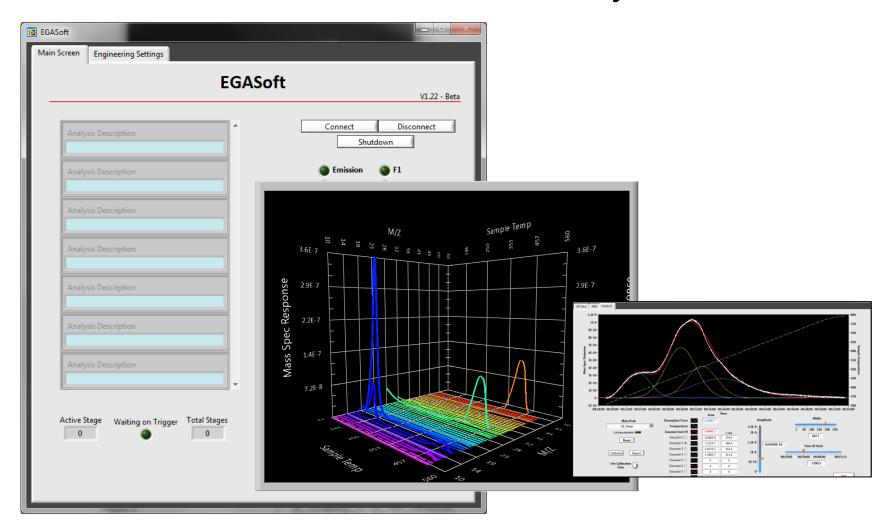


- Quantitative gas analysis of up to 16 gases.
- ➤ 10 peak spectral library with intelligent library scan feature.
- ➤ Flexible major and minor component gas calibration with background correction.
- ➤ Data view with three y axes for simultaneous display of quantitative data, corrected data and raw data and/or external signals temperature data for example.
- ➤ Capability to read multiple inputs, temperature or pressure for example.

- > X- axis can display time or an external input, a temperature ramp for example..
- ➤ Data inputs for external gas analysers, a CO analyser for example to compliment the mass spectrometer analysis.
- ➤ Multi-stream analysis for automatic sequenced analysis of up to 80 connected gas streams.
- > Automatic triggering of the start of analysis from an external input.



EGAsoft – Evolved Gas Analysis



EGAsoft provides for data acquisition and analysis for TA-MS, TPD and UHV-TPD. Integration with TGA systems including auto stop/start trigger and data export.

