

PeakSimple for Windows™ Software



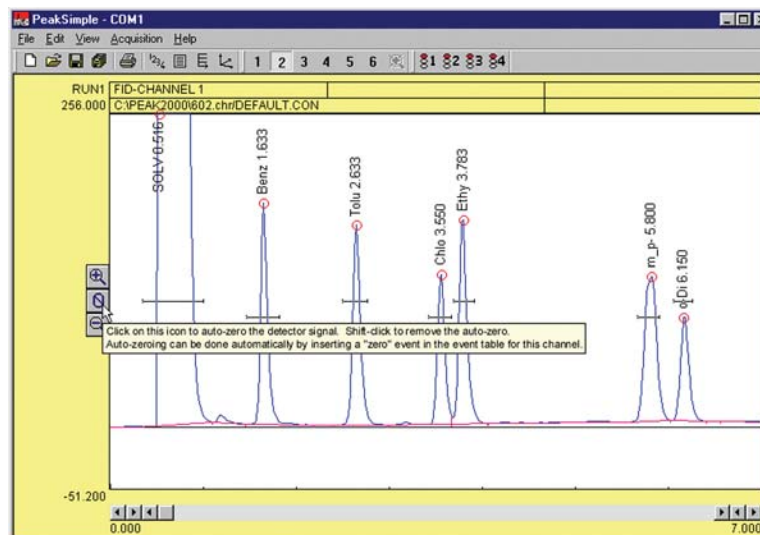
- Easy USB Connection to your Windows™ PC
- Eight TTL Outputs and One Remote Start Input
- Four optional Contact Closures
- Includes PeakSimple Software

PeakSimple software has been continuously developed, refined, and improved since 1988 by a dedicated team of working chromatographers. These chromatographers use the software on a daily basis, and strive to simplify and enhance every aspect of PeakSimple so our customers will benefit. New features are added to PeakSimple several times per year, and the latest version is always FREE to download online, along with helpful tutorials. When you call SRI technical support, a knowledgeable technician will answer your questions right away. No complicated phone menus, and no waiting on hold!

FEATURES


- | | |
|------------------------------------|------------------------------|
| • 3D Multiple Chromatogram Display | • Report Generation |
| • Built-in FTP capability | • Multi-level Calibrations |
| • Click & Drag Retention Windows | • Data Merge across channels |
| • Baseline Subtraction | • Autosampler Queue |
| • Chromatogram Overlay | • Batch Reprocessing |
| • DDE Links | • Built-in Data Validation |
| • Peak Alarms | ...and more! |

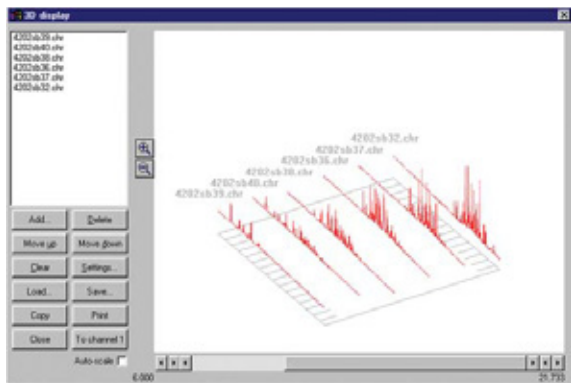
Most PeakSimple functions are launched from the chromatogram window, and are so user friendly that most operators can produce results almost immediately. ToolTips makes learning your way around PeakSimple even easier—just hold your mouse cursor over any icon or checkbox to read the onscreen How-To instructions.



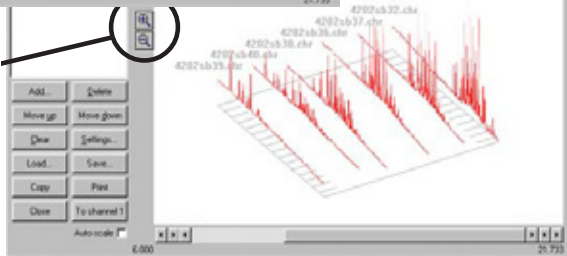
PeakSimple Software Features

3D MULTIPLE CHROMATOGRAM DISPLAY

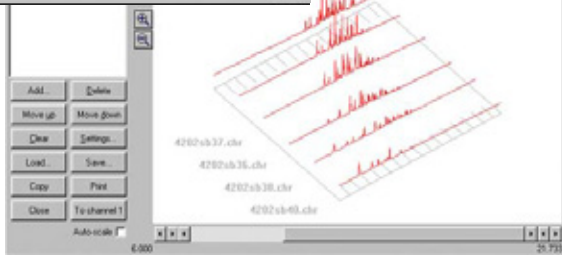
Right-click in any channel window to load its data into the 3D display feature. Click on the 3D icon  to display multiple chromatogram traces in orthographic or perspective renditions, with Auto-scaling and Zoom. Add, delete, and arrange the displayed chromatograms using the buttons in the 3D display window. The point of view may be placed at any point on an imaginary sphere around the data, using the click-and-drag interface—almost like flying around the data in a helicopter. Grab the 3D display with your mouse and spin it around in realtime. Print your 3D display, or copy it to your clipboard for pasting into Excel, Word, etc.



Magnify or reduce the 3D display by clicking on the Zoom icons.



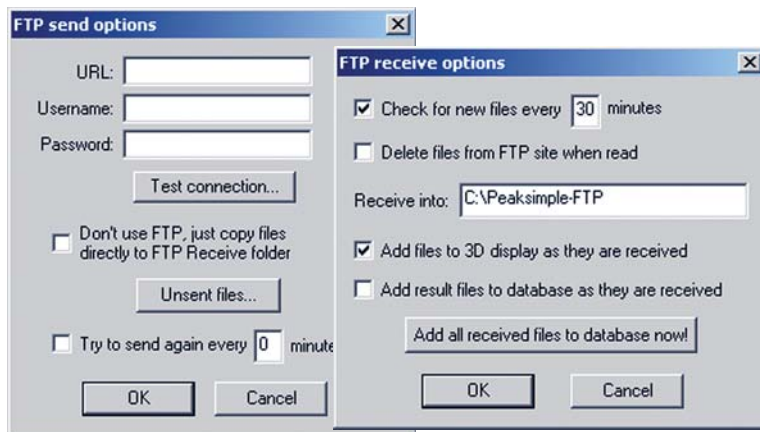
Grab the 3D display with your mouse and spin it around in realtime.



BUILT-IN FTP CAPABILITY

With PeakSimple's FTP capability, you can upload data at the end of every run via the Internet. Using this powerful feature, one person can monitor a GC network around the world. Compared to the ongoing cost of manning each individual instrument, the savings potential is significant.

PeakSimple provides several options for receiving files into the folder of your choice. PeakSimple can automatically check for new files at user-specified intervals. You can choose to automatically add files to a database as they are received, or add them manually with the click of a button. You can even choose to add files to the 3D display as they are received.

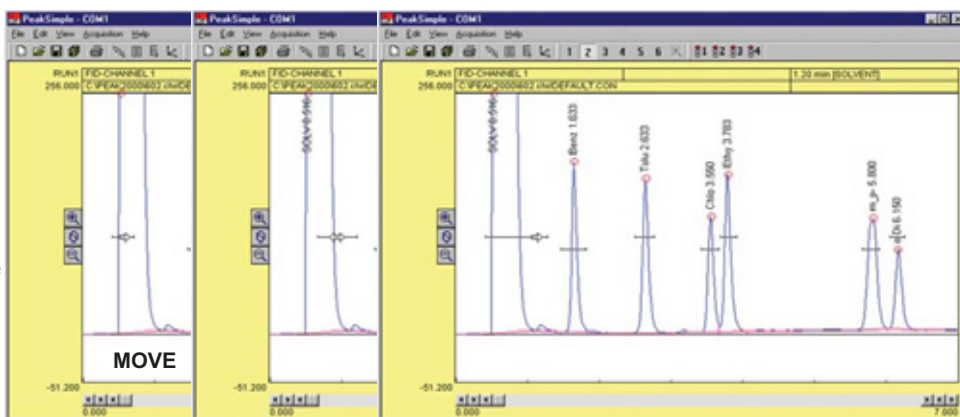
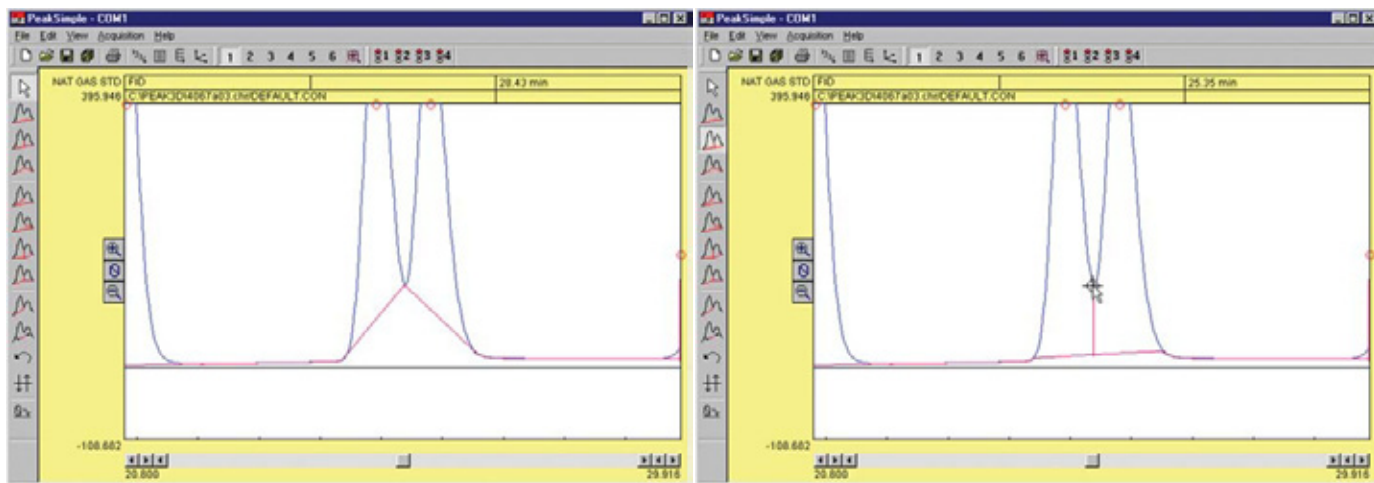


The number of instances of PeakSimple you can have running at one time is limited only by the resources of your computer. Therefore, you could monitor from your lab remote GC systems working anywhere they can connect to the Internet.

PeakSimple Software Features

MANUAL INTEGRATION

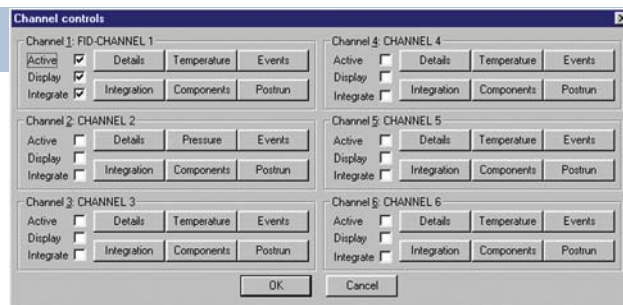
Manual integration tools allow the user to refine the integration method applied to any peak. Baseline projection may be “rubber-banded” from point to point, forced to a valley, dropped vertically, skimmed, etc. The example below shows the use of the “Drop” tool to drop a vertical line from the valley of the conjoined peaks to the baseline.



Retention window brackets are visible onscreen and may be grabbed and dragged onto a peak, widened, or narrowed with the mouse. The component table is automatically updated when a retention window is graphically modified.

CONTROL FILES

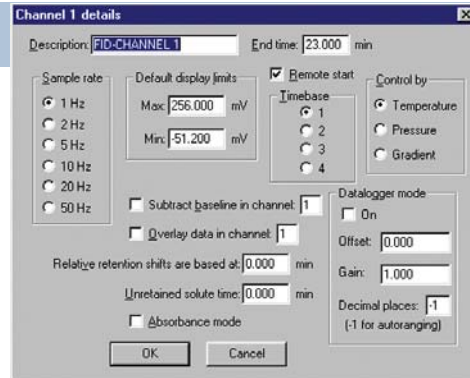
Save any changes you make in an analysis to a control file and use it again and again for method reproducibility. Control files contain temperature or gradient programming, component tables, external events, channel details, integration, postrun actions, and more! Create a control file for each method you typically perform. The number of control files you can have is limited only by your disk space.



PeakSimple Software Features

CONTROL FILES

Operators can set channel parameters for each channel via the Channel details dialog box. Set the sampling rate and default display limits; choose temperature, pressure, or gradient control; subtract the baseline from another channel; overlay the data from another channel; turn Data Logger mode ON or OFF; designate a start time to compensate for relative retention shifts, and more.

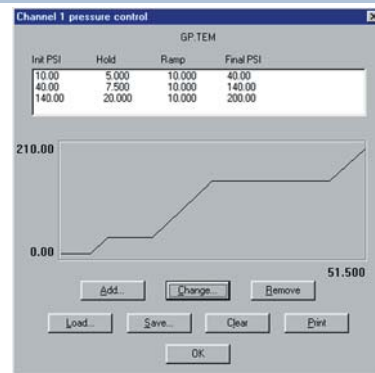


CONTROL FILES



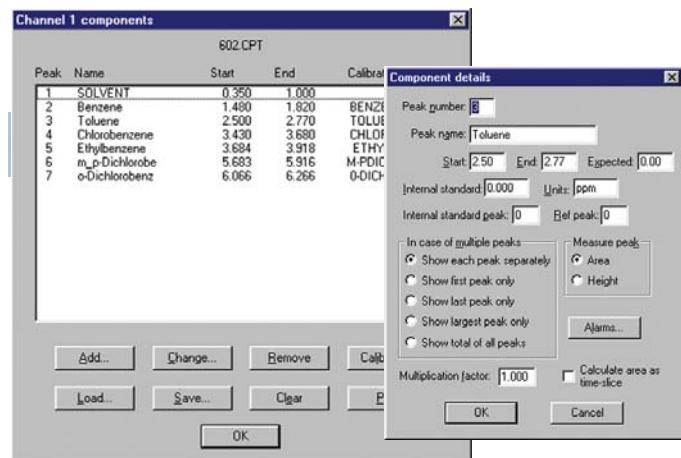
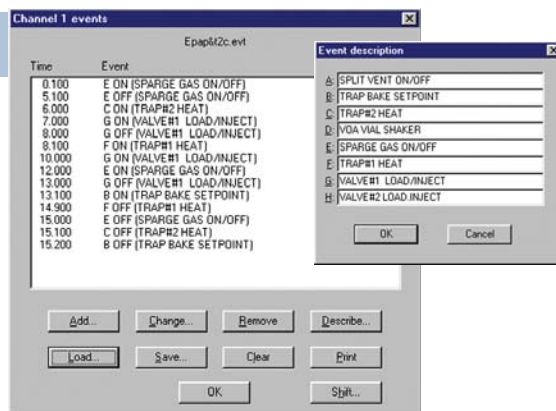
Program one or two SRI GC column ovens from ambient to 400°C with unlimited ramps and holds, 0.01 degree resolution, and negative programming.

Program the carrier gas pressure with unlimited ramps and holds on SRI GCs equipped with electronic pressure control (EPC).



MANUAL/AUTOMATIC EXTERNAL EVENT CONTROL

In addition to performing timed integration events, control up to eight external contact closure relay outputs to actuate sampling valves, autosamplers, solenoids, pumps, or any external device using TTL or relay contact closure triggers.




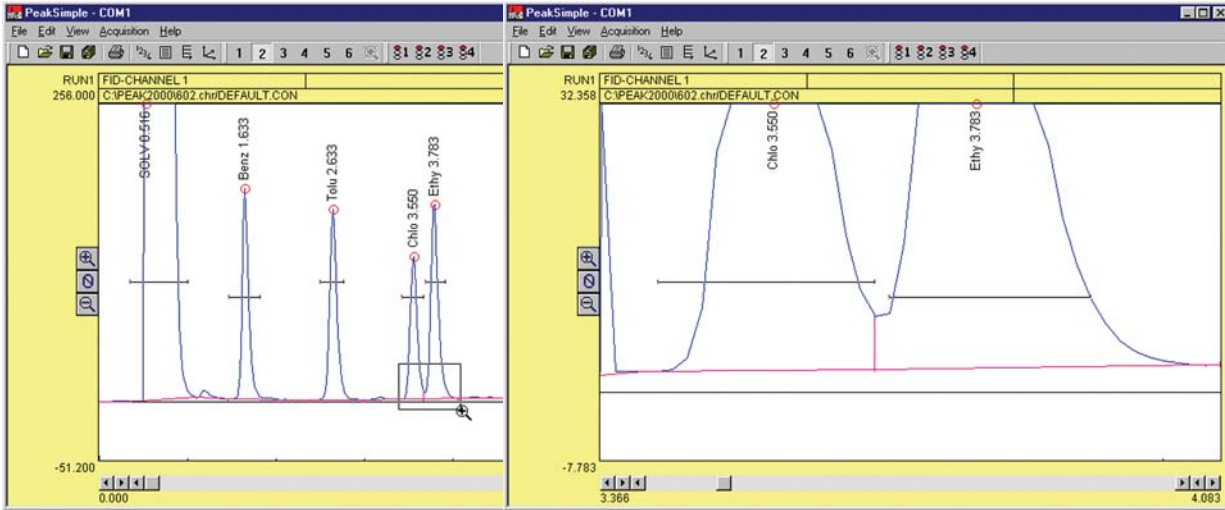
COMPONENTS

Create, save, and edit component tables with an unlimited number of compounds. Enter expected retention times, control peak display, and more! Component details may be viewed and edited by double-clicking on any retention window in the chromatogram, or by double-clicking on any component in the list.

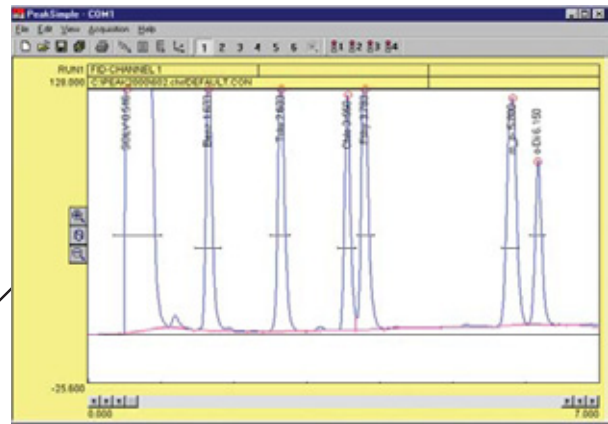
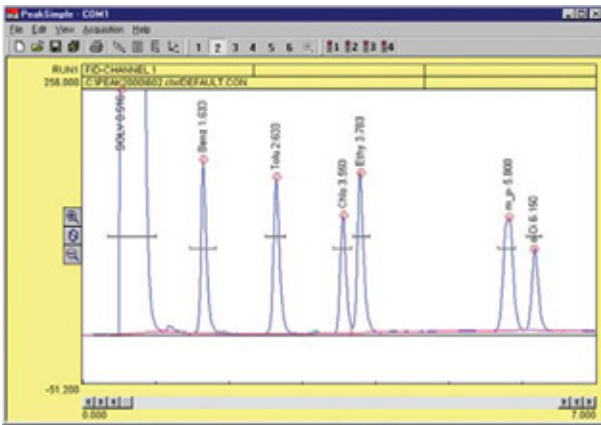
PeakSimple Software Features

ZOOM TWO WAYS

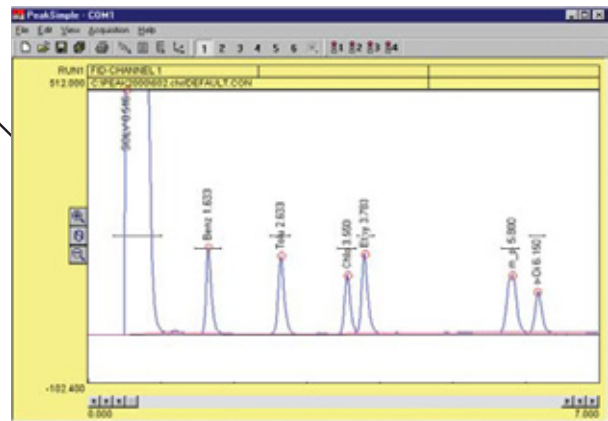
Click and drag the mouse cursor to draw a rectangle around an area you wish to enlarge, and that area will expand to fill the chromatogram window. This may be done multiple times. Clicking on the unzoom icon  in the toolbar unzooms the view one level at a time until it returns to the original resolution.



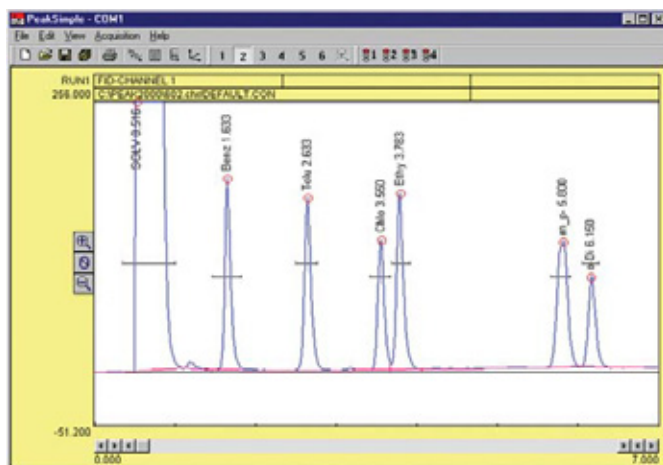
A mouse click on one icon vertically enlarges the peaks in the chromatogram, decreasing the y-axis display limits by a factor of two.



A click on another icon increases the display limits by a factor of two, vertically shrinking the peaks.



PeakSimple Software Features



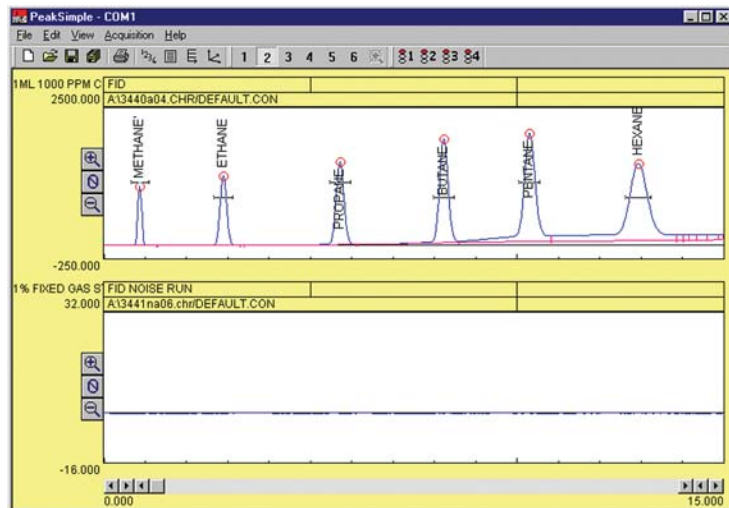
OVERLAY CHROMATOGRAMS

Overlay the data in any channel onto any other channel for retention time comparison or multiple detector correlation. The Overlay Adjust feature lets you shift and stretch overlaid data for pattern matching.

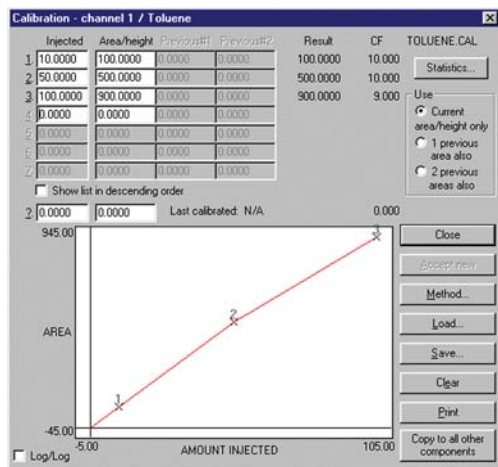
BASELINE SUBTRACTION and DATA SMOOTHING

Blank baseline subtraction is useful to compensate for baseline drifting due to column bleed and temperature ramping. PeakSimple lets you subtract baselines in real time as data is collected, or post run.

Noisy detector signals can be smoothed manually or automatically at the end of a run. Smoothing algorithms include Olympian, Moving Average, and Savitsky-Golay.

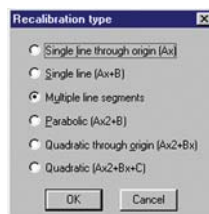


CALIBRATION



Calibration Averaging

PeakSimple allows up to three replicate calibration standards at seven levels of concentration to be averaged when constructing calibration curves.



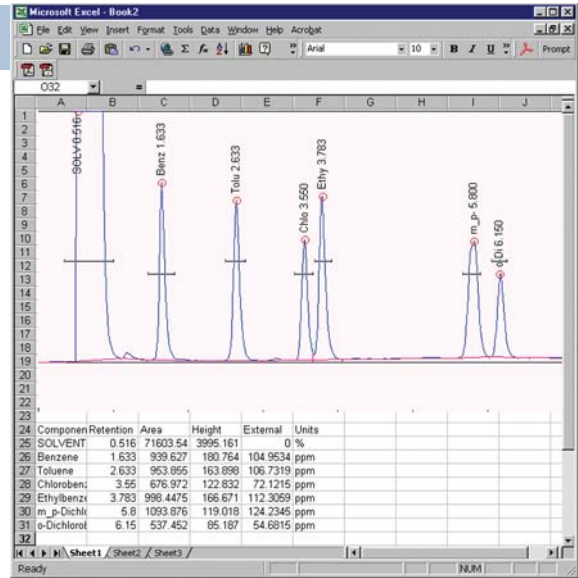
Multi-Level Calibration Curves

Calibrate peaks six ways (multi-line, quadratic, parabolic, etc) using single or averaged data at up to seven concentration levels. Statistics for evaluating line fit quality, modification date audit trail, and curve printout help to ensure defensible results.

PeakSimple Software Features

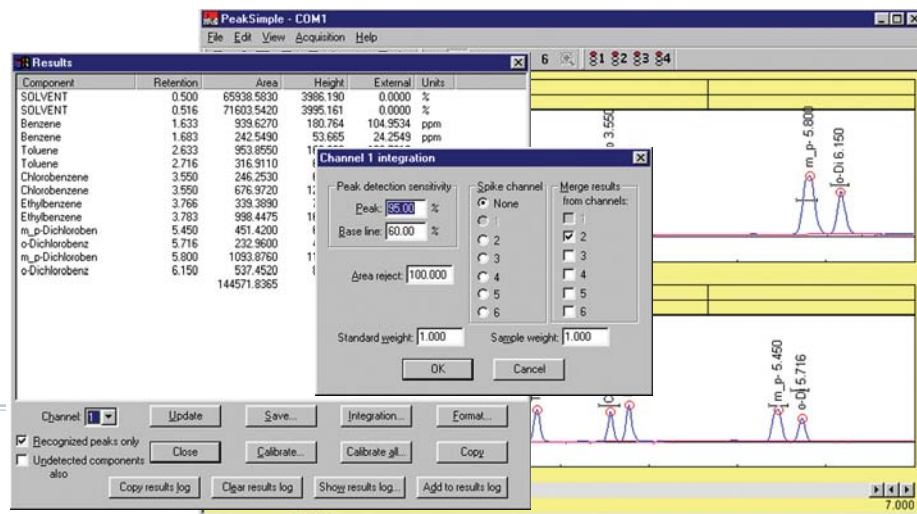
DYNAMIC DATA EXCHANGE

Link PeakSimple to your DDE compatible spreadsheet or word processor (Excel, Word, etc.). Analytical results are automatically transferred after every run, or may be accumulated within PeakSimple and copied as a block of data. Use the Copy Picture option to paste the chromatogram itself into Excel, etc. along with the results.



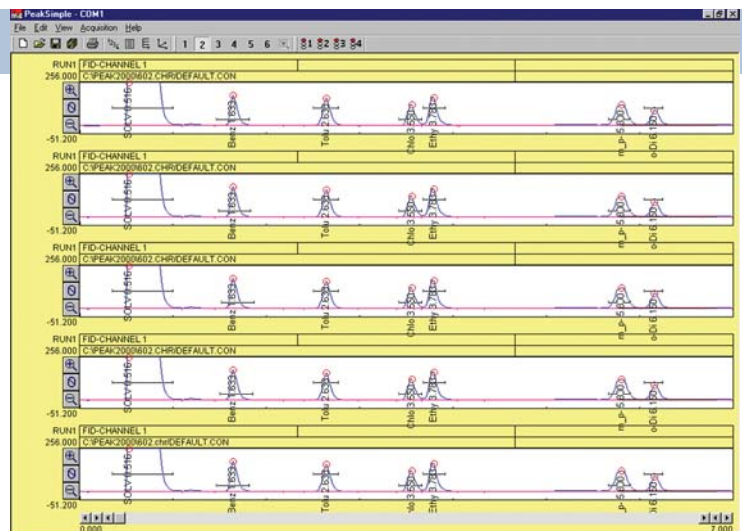
MERGE RESULTS FROM MULTIPLE CHANNELS

PeakSimple lets you merge the results from any or all channels into one report. This feature is useful for combining results from different detectors for export to Excel, etc.

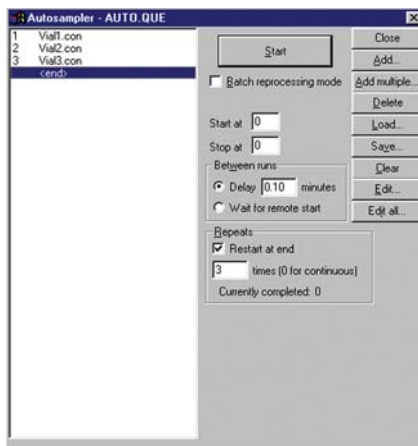


SELF-VALIDATING HARDWARE

PeakSimple will play back and reacquire any chromatogram multiple times, establishing the precision and accuracy of the data system using real data, not "canned" chromatograms. PeakSimple's validation can be performed by the user anytime, without extra hardware.



PeakSimple Software Features

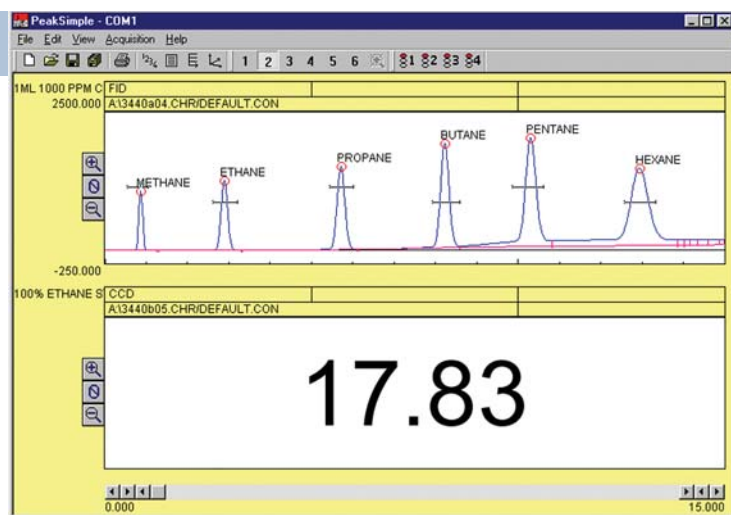


AUTOSAMPLER QUEUE and BATCH REPROCESSING

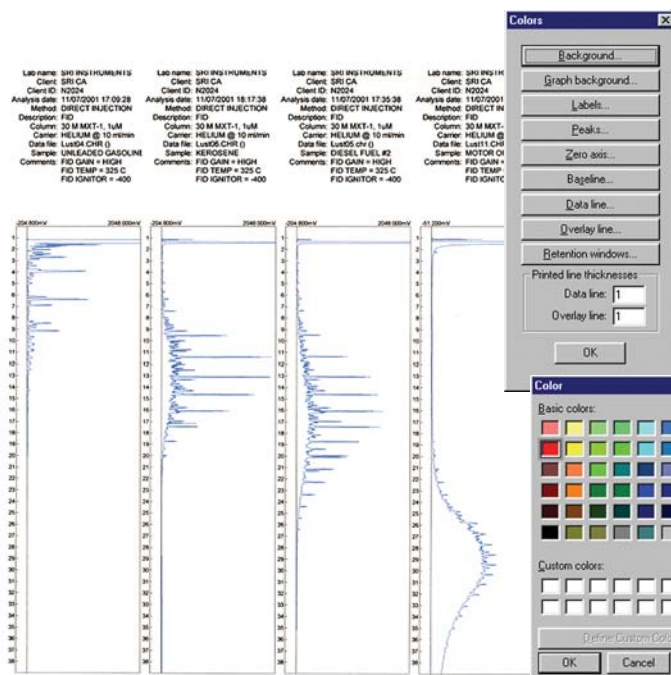
Create customized autosampler sequences—for liquid injections, purge and trap autosamplers, gas sampling valves, and stream selectors—including unique, predefined sample information, auto-calibration, and batch reprocessing of previously run samples.

DATA LOGGER MODE

PeakSimple's Data Logger Mode allows you to display a scaled and calibrated result in large numbers instead of the usual strip chart data presentation. Data Logger Mode is especially useful when monitoring total hydrocarbons on one channel, while performing a separation on another channel.



PeakSimple Software



PRINT CHROMATOGRAMS IN COLOR

Use any Windows supported color printer to create multiple chromatograms per page for easy detector-to-detector comparisons and paperwork consolidation. Print overlaid data in contrasting colors with adjustable line weight.