

What's New in KnowItAll 2023



Wiley's KnowItAll software, combined with the world's largest collection of spectral reference databases, provides one of the most advanced platforms for spectral analysis, along with integrated solutions for data management, processing, chemical structure drawing, and scientific communication.

With KnowItAll 2023 software release, Wiley continues to expand KnowItAll's capabilities, including a new expert tool for non-targeted MS analysis that can significantly reduce analysis time, a patented solution to analyze vapor phase IR spectra of synthetic cannabinoids, and more.

Below is a detailed summary of exciting updates for our customers and partners. Access to features and data depends on the user's license and edition of the software.

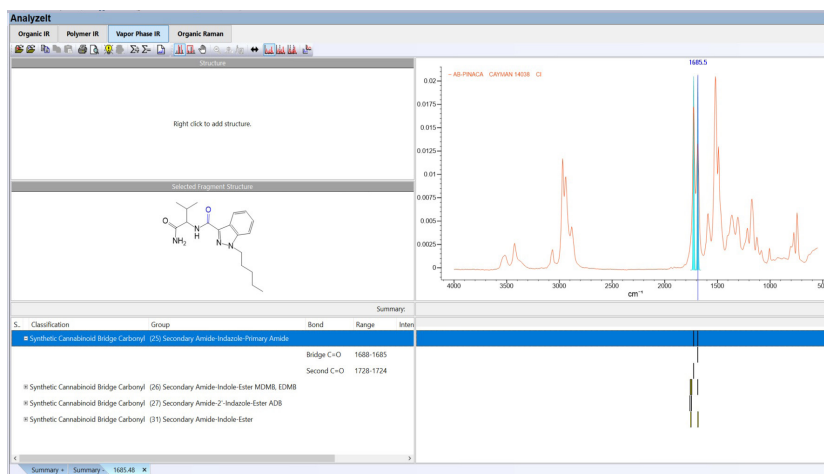
Software Features & Updates

New Applications

KnowItAll 2023 adds to its already impressive spectroscopy capabilities:

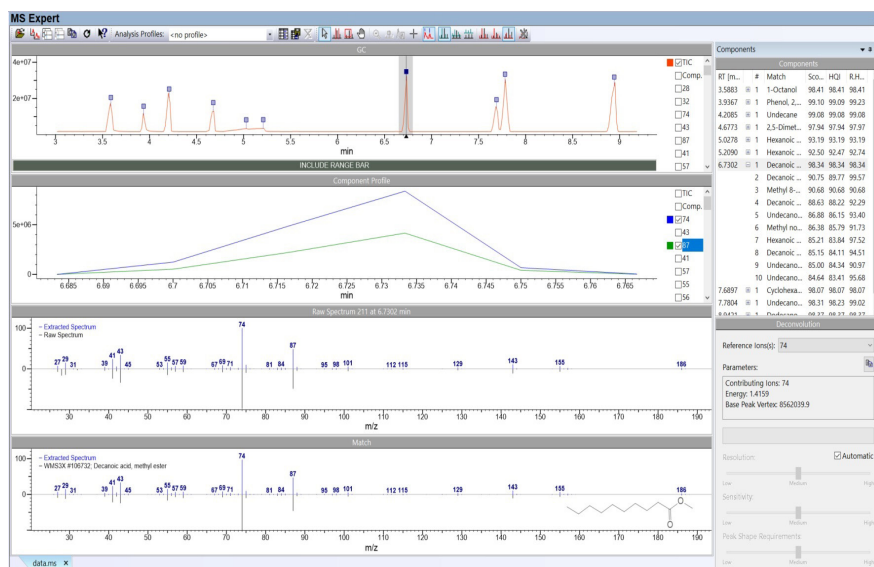
NEW! Analyzelt Vapor Phase IR - Synthetic Cannabinoids

This patented technology classifies synthetic cannabinoids by examining the distinct bridge carbonyl band patterns synthetic cannabinoids exhibit. This feature can help forensic, law-enforcement, pharma and research communities accelerate drug analyses.



NEW! MS Expert - Automated Non-Targeted GC-MS Analysis

The new MS Expert can save users time by combining fast, flexible deconvolution with reference database search into a single, automated workflow to identify components. This system automates TIC import and processing for non-targeted analyses.



Other Highlights in this Release

General Features

- Thorough quality reviews and bug fixes to ensure feature stability and improve user experience
- Expanded accessibility features including ability to make the spectral axis and spectra thicker so it's easier to view
- Improved property field filtering
- Preview the contents of SDF files without importing
- Option to display implied hydrogens
- Expanded and improved file support for Agilent, JEOL, PerkinElmer, Shimadzu, Thermo, Waters, and other data file formats
- Improved interface for manual GC-MS Analysis in the KnowItAll ProcessIt application
- QC Expert now supports QC comparison of chromatograms (in addition to IR and Raman) to a selected reference file
- Restored the ability to select SDB databases in Minelt
- Code base is upgraded to Visual Studio 2022
- For OEMs, our KnowItAll Spectrum Transfer Software Developer's Kit can now handle MS files, in addition to IR and Raman

OS Notes

- Now officially supports Windows 11 (In addition to Windows 10)
- For Mac computers, KnowItAll requires Parallels 18 with Windows 11
- MS Expert is not available for 32-Bit Systems

KnowItAll Edition Updates

- KnowItAll Spectroscopy Edition is now called the KnowItAll Analytical Edition
- MassTransit filters are also now included in KnowItAll editions