

Quick and Easy Screening of GC/MS Data



Intelligent Compound Recognition
with ACD/IXCR

Reduce the time spent on manual interpretation, searching, and validation of GC/MS spectra using ACD/IXCR to conduct rapid, non-targeted analysis of complex chemical mixtures and environmental samples.

ACD/IXCR is a suite of software tools with flexible options for screening, quality control, or deformation, and is user-friendly to both analysts and experienced spectroscopists.

ACD/IXCR is vendor neutral and supports a variety of GC/MS file formats from most major instrument vendors.

Extract

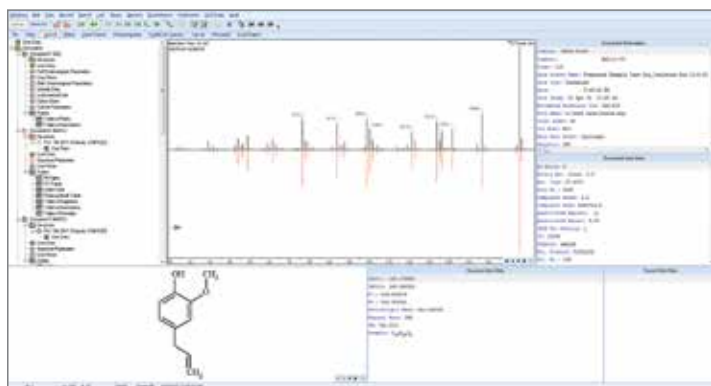
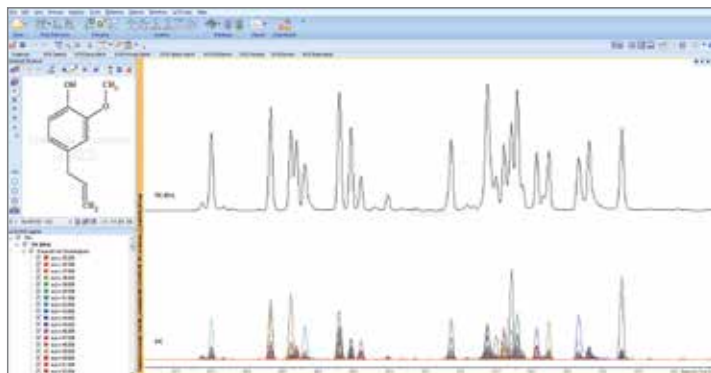
ACD/IXCR uses Component Detection Algorithms (CODA) to reduce noise and background signals, eliminating the need for time-consuming manual interpretation and reducing the potential for error. CODA helps ensure that analyte peaks are retained while those attributed to noise are filtered out. Overlapping components are automatically extracted.

Search

Processed sample data is searched against the NIST library, other Wiley libraries, and/or your own in-house databases for similar spectral patterns. The results are summarized in a clear and concise report. Matched spectra are displayed in a mirrored image for easy visual comparison, and a match factor is calculated measuring the quality of the match. The analyst can specify the number of library hits to return per component and can manually choose which library hit is correct.

Automate

Automate the processing and search steps, including background subtraction and scan averaging, increasing efficiency and throughput for heavy workflow environments.



Additional Capabilities Available with ACD/IXCR

- Compare samples against blanks or standards, and estimate concentrations with single point calibration
- Use Retention Indices for faster searching and increased relevance of matched spectra
- Build a database of spectral results used to establish a baseline, monitor samples, or rapidly identify known compounds and contaminants

To learn more, visit www.acdlabs.com/ixcr