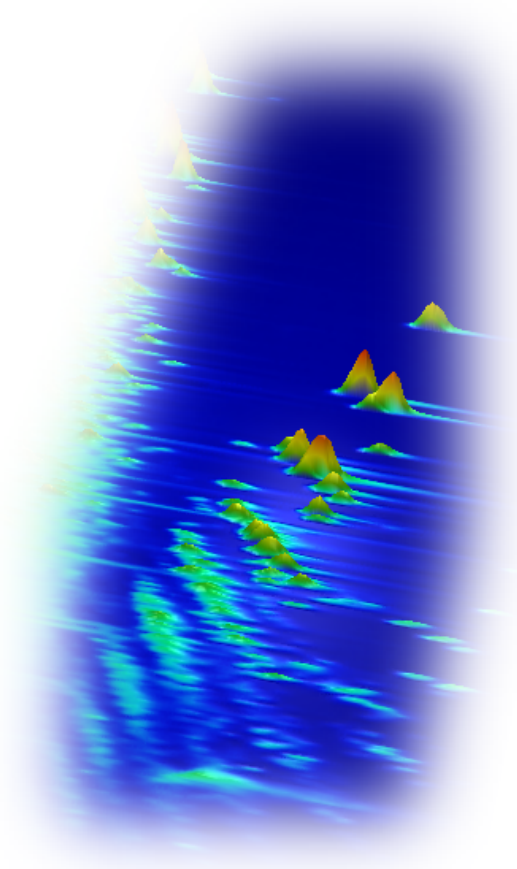


GC IMAGE

Software for Multidimensional Chromatography



Informatics for Comprehensive
Two-Dimensional Chromatography

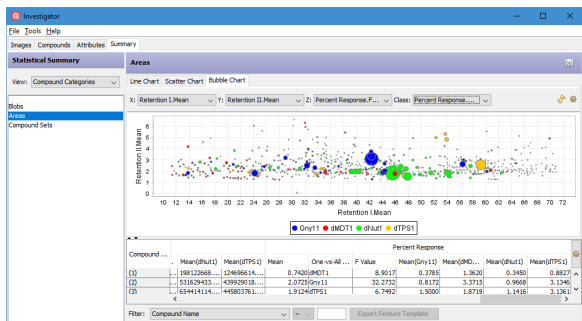
GC IMAGE
Software for Multidimensional Chromatography

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Multi-sample Analyses

The Investigator tool supports comparing chromatograms, peaks, and peak sets across multiple samples, and examining statistical characteristics and trends with pairwise differences, PCA, Fisher ratios, and F-tests. Customizable charts help identify interesting features, outliers, and class differences.



What's New in Version 2.7

Our latest release of the GC Image software, Version 2.7, contains many improvements.

- Large Data File Support
- Improved Mass Spectral Centroiding and Calibration
- New Calibration and Quantification Tools
- New Library Search Features
- Improved Targeted Peak Identification and Review
- Improvements for Multi-Sample Analysis with Investigator

Visit our website for more details on this release, and information on purchasing or upgrading a license, and the upcoming release **2018R1**.

Plugins & Unparalleled Customer Support

GC Image software can be fully customized to suite user-specific needs through plugins. Visit our plugin site at www.gcimage.com/plugin.html. If you would like to have a particular feature implemented, please contact us. We take pride in providing outstanding user support. Users are welcome to contact the GC Image team directly for support.

Visit our distributor JSB/ZOEX Europe,
and the GC Image poster and presentation:

Booth #19

Poster K.52

Presentation Le.31

GC Image is the pioneer and industry leader in software for comprehensive two-dimensional chromatography (GCxGC and LCxLC), offering an unequalled toolkit for data visualization, processing, analysis, multisample comparison, and reporting.

Broad Support for Data Formats

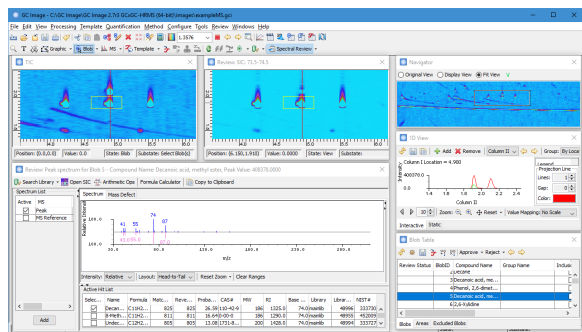
GC Image software imports many popular chromatographic, mass spectral, and UV file formats, including proprietary formats from Agilent, Shimadzu, JEOL, Thermo, Sciex, Waters, and other vendors, and standard formats such as CSV, CDF, mzData, and mzXML.

Raw Data Alignment & Processing

GC Image provides multidimensional, multispectral data processing including 2D baseline correction, peak detection, multivariate peak unmixing, and library search. Also, raw data alignment can be done using automated matching, alignment points, or a custom transform.

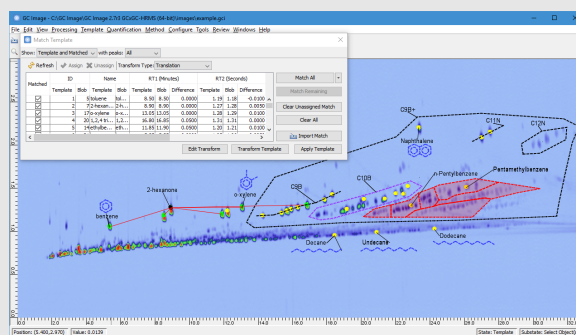
Multifaceted Visualization & Data Review

GC Image software offers a variety of interactive visualizations including 1D graphs, 2D chromatogram views, 3D views, and tabular views. The Review Mode in GC Image allows rapid inspection of analytical results. Customizable modes allow for user defined window layouts and review-focused interaction between the views.



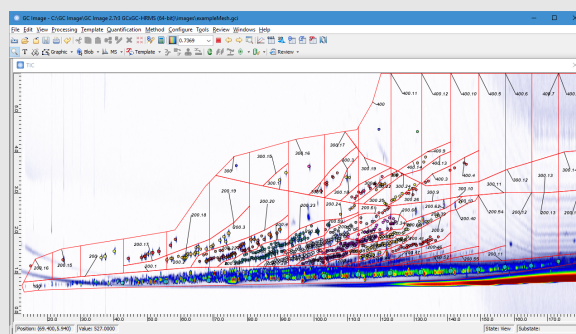
Advanced Peak Alignment, Identification & Analysis

GC Image software allows highly effective chemical identification and analysis with advanced Smart Template™ and CLIC™ technologies to recognize chromatographic patterns and spectral signatures. Automated template matching algorithm performs 2D retention-time alignment assisted by constraints written in CLIC. Simple or complex CLIC expressions can be built using a collection of retention time, multi-spectral, and peak characteristic functions to perform both qualitative and quantitative analysis.



Comprehensive Group Analysis

GC Image software provides sophisticated graphical objects that can be used to define 2D retention-time windows for manual integration or group analysis. Mesh objects can also be created to easily define comprehensive groups of peaks or chromatographic regions.

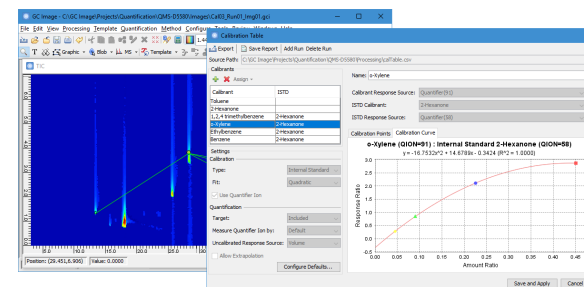


Generic Retention Index Calibration

GC Image software provides generic functions to perform calibration from retention times to retention indices or other chemical properties. Custom functions can be used in addition to linear, piece-wise linear, and polynomial functions. Also, 2D region-based boiling point calibration is supported for SimDist analyses with GCxGC.

Calibration & Quantification

GC Image software supports external and internal standard calibration, and provides tools for creating and examining calibration tables from batches of processed chromatograms quickly and easily. Combined with Smart Template™, the software provides automated quantification and reporting.



Mass Spectrometry, HRMS & MS/MS

GC Image software supports data from a wide range of multispectral detectors, including MS and DAD/PDA. An array of tools support spectral matching, library search, selected ions/channels analysis. Also, the software supports high-resolution MS and MS/MS with additional tools for mass calibration and exact-mass, isotope, and mass defect analyses.

Project Management & Reporting

GC Image software includes project management tools and generates sophisticated reports that can be viewed with a browser, shared online, or exported to external software such as Microsoft Excel®.