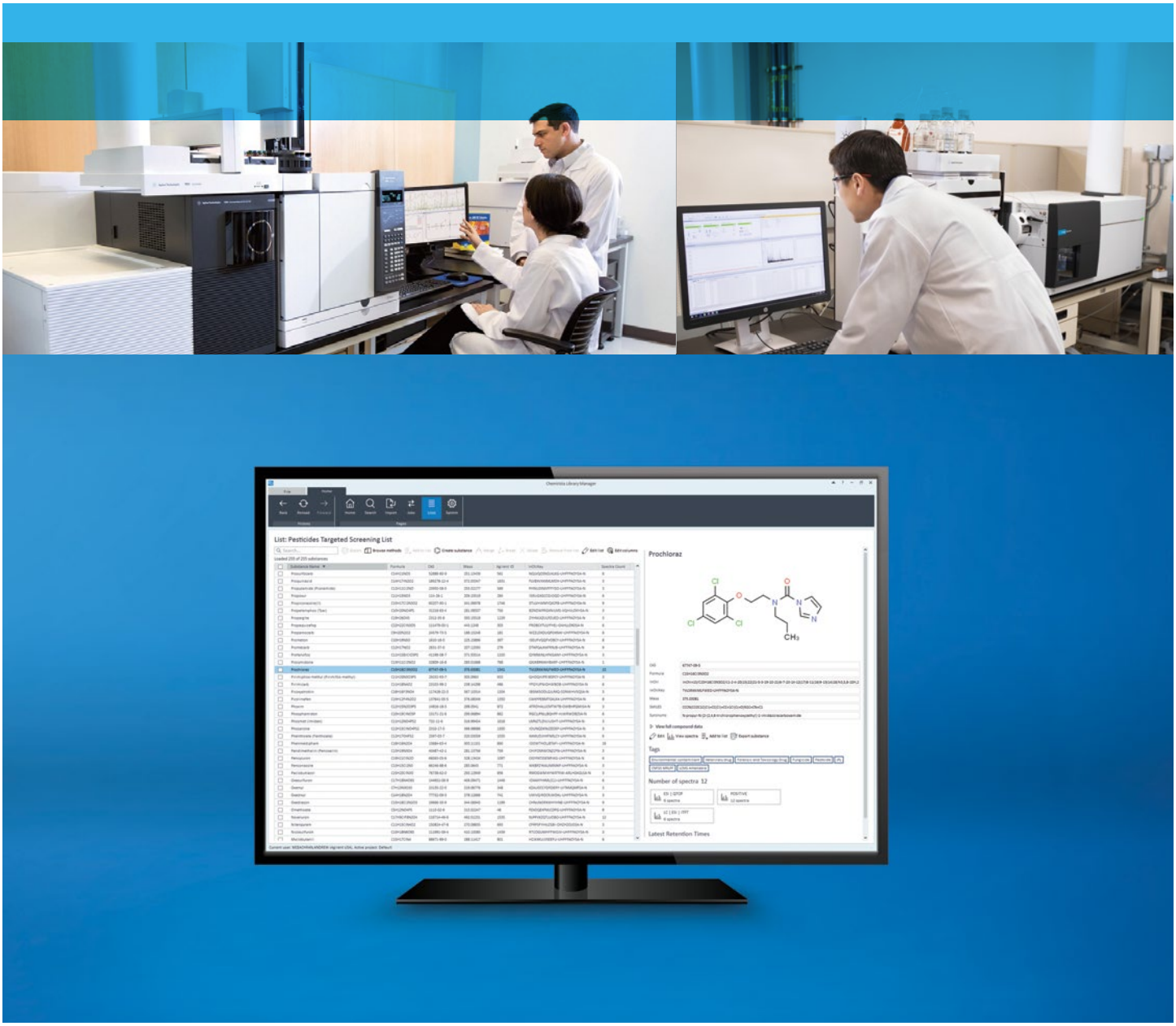
Agilent

Trusted Answers

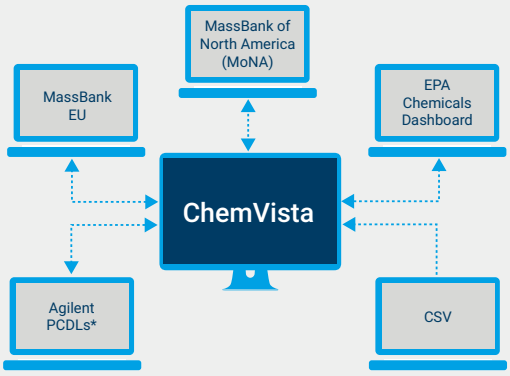
Identify Your Analytes with Confidence

Agilent ChemVista software with extensive, comprehensive integrated libraries



Looking for Reliable Identification in Complex High-Resolution Data?

Despite advances in structural elucidation, empirical accurate mass high-resolution MS/MS and full-scan spectral comparisons remain the gold standard for identifying unknowns by targeted screening and nontargeted analysis. However, generating mass spectral libraries is costly and time consuming. Even when complete, these libraries are often not easily accessible—limiting the scope and range of identified unknowns within the workflows.



**PCDLs: curated Personal Compound Databases and Libraries*

Agilent ChemVista is a standalone software application that manages spectral libraries created by LC/Q-TOF and GC/Q-TOF mass spectrometry. It integrates compound details, retention time, and spectral information from multiple sources. These capabilities allow you to:

- Access multiple public databases and curated libraries.
- Organize, manage, edit, or create spectra.
- Facilitate identification workflows within MassHunter data analysis applications and beyond.
- Identify compounds with greater confidence.

Additionally, ChemVista includes extensive preloaded library and database content.

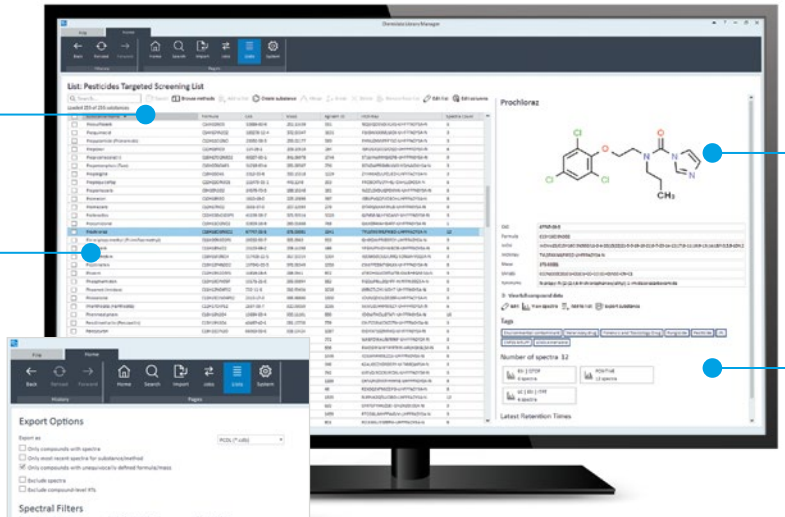
Compound-centric structure makes it easy to organize, manage, and edit spectra

One of the unique features of Agilent ChemVista software is its flexible design, which lets you manage library data from multiple sources. Agilent ChemVista software also boosts confidence in your compound identification by including retention times (RTs) and indexes (RIs). It supports the organization of these values by method information and customizable method labels, allowing multiple details to be conveniently stored for each compound.

In ChemVista, workflows center around lists associated with a specific analysis. It's easy to create screening lists by combining spectral and compound information from multiple sources. Using classification and merging protocols, data can be streamlined, eliminating duplicates and presenting an organized overview. Customizable lists could include Agilent IDs, mass spectra from MassBank and PCDLs, and synonyms gathered from different sources.

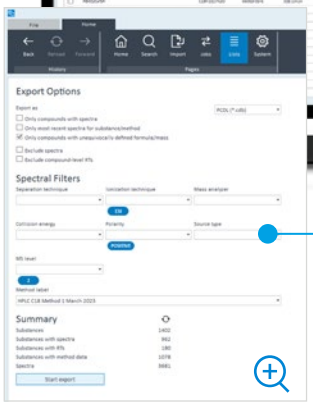
Workflows center around lists associated with a specific analysis.

Lists serve as organizational tools, allowing a compound to exist in multiple lists with multiple spectra.



Enhanced cheminformatics generate structures and identifiers, eliminating duplicates and supporting downstream workflows.

Automated chemical class tags are assigned from manually curated PCDLs.



You can import/export data with ChemVista in multiple file formats (SDF, MassBank Text, PCDL, CSV). These processes are supported with filters and customizable options to refine the exchanged information.

For a closer look at how ChemVista improves the efficiency and productivity of high-resolution mass spectrometry (HRMS) spectral management, **download** our technical overview.

Extensive, embedded small molecule databases support reliable identification of unknowns

Agilent ChemVista features over 20,000 compounds—each with multiple spectra—and more than 250,000 other compounds without spectra. These libraries and databases enable confident LC/Q-TOF and GC/Q-TOF identification of unknowns in industries like these:

- Food safety and quality
- Environmental
- Extractables and leachables
- Forensic toxicology
- Metabolomics and METLIN

Put Our Insight to Work for You

CrossLab is an Agilent capability that integrates services and consumables to support workflow success, improve productivity, and enhance operational efficiency. In every interaction, we strive to provide insight that helps you achieve your goals.

Learn more about CrossLab at **www.agilent.com/crosslab**

Agilent CrossLab
From Insight to Outcome

Learn more:
www.agilent.com/chem/chemvista

Buy online:
www.agilent.com/chem/store

Find a local Agilent customer center in your country:
www.agilent.com/chem/contact us

U.S. and Canada
1-800-227-9770
agilent_inquiries@agilent.com

Europe
info_agilent@agilent.com

Asia Pacific
inquiry_lsca@agilent.com

DE11788104

This information is subject to change without notice.

© Agilent Technologies, Inc. 2023
Published in the USA, May 24, 2023
5994-5965EN

Agilent
Trusted Answers