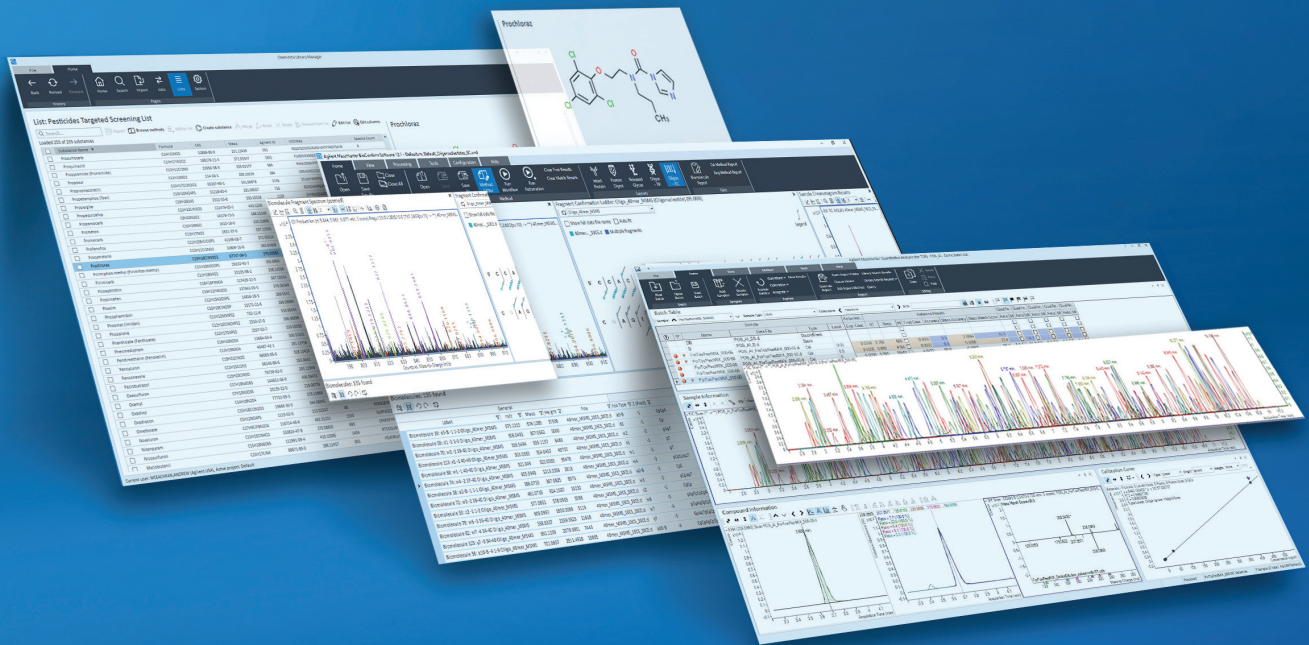


Maximum Throughput, Confident Results

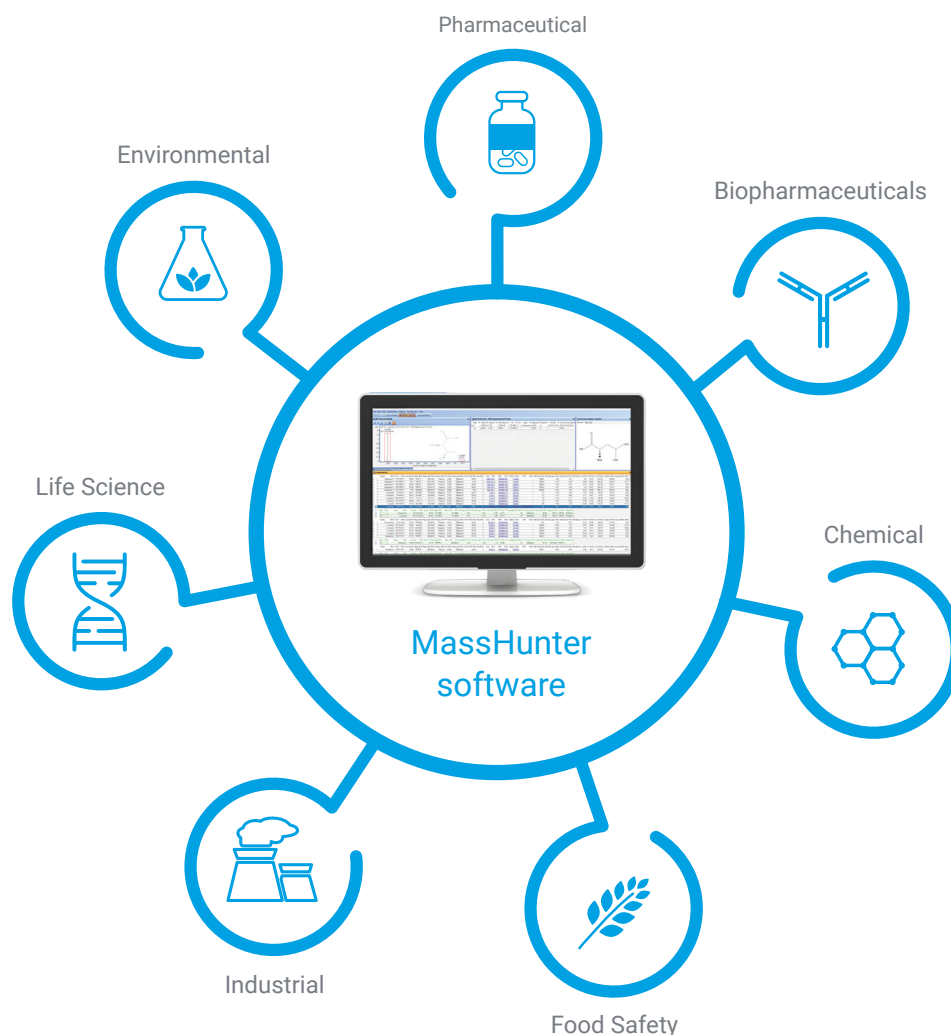
Agilent MassHunter software suite



Make Your Mass Spectrometry Analysis Faster, Easier, and More Productive

Designed to solve your everyday struggles, Agilent MassHunter software provides customizable features and capabilities that support diverse applications in mass spectrometry.

Operators at all levels can use MassHunter software to drive confident results for your laboratories. This intuitive software suite for Agilent mass spectrometers features easy-to-use methods and templates, intelligent instrument and automation control, as well as comprehensive curated databases and libraries.



Maintain Sustainability While Increasing Your Productivity

Lower your environmental impact and optimize your workflows

At Agilent, we believe that efficiency, productivity, and sustainability are interlinked. Together, we can help your lab achieve its sustainability goals—while increasing output, maintaining accuracy, and staying competitive.



Agilent 5977C GC/MSD



Agilent 7010C GC/TQ



Agilent 1290
Infinity II LC system



Agilent 6495D TQ LC/MS






Agilent Revident LC/Q-TOF



Agilent 8890 GC/Q-TOF



Agilent 6230 TOF LC/MS

 ACT. The Environmental Impact Factor Label.		US
Product Name		
Product Location		
SKU 0000		
Environmental Impact Scale Decreasing Environmental Impact		
		
Manufacturing		
Manufacturing Impact Reduction	3.0	
Renewable Energy Use	No	
Responsible Chemical Management	1.0	
Shipping Impact	1.0	
Product Content	10.0	
Packaging Content	5.0	
User Impact		
Energy Consumption (kWh/day)	12.7	
Water Consumption (gallons/day)	N/A	
Product Lifetime	1.0	
End of Life		
Packaging	4.8	
Product	1.0	
Innovation		
Innovative Practices	-1.0	
Environmental Impact Factor: 38.5		
Label Valid Through: June 2024		
 act.mygreenlab.org		

Selected Agilent instruments have been independently audited for the Accountability, Consistency, and Transparency (ACT) label. Similar to food nutrition labels, the ACT label provides a transparent, easy-to-understand measure for several factors related to sustainability.

MassHunter Acquisition Software

Simplify Data Acquisition

Make LC/MS and GC/MS instrument control easier with MassHunter acquisition software

Intuitive

Simple and easy to use, from instrument control to method setup.

Optimized

Autotune ensures reliable operation.

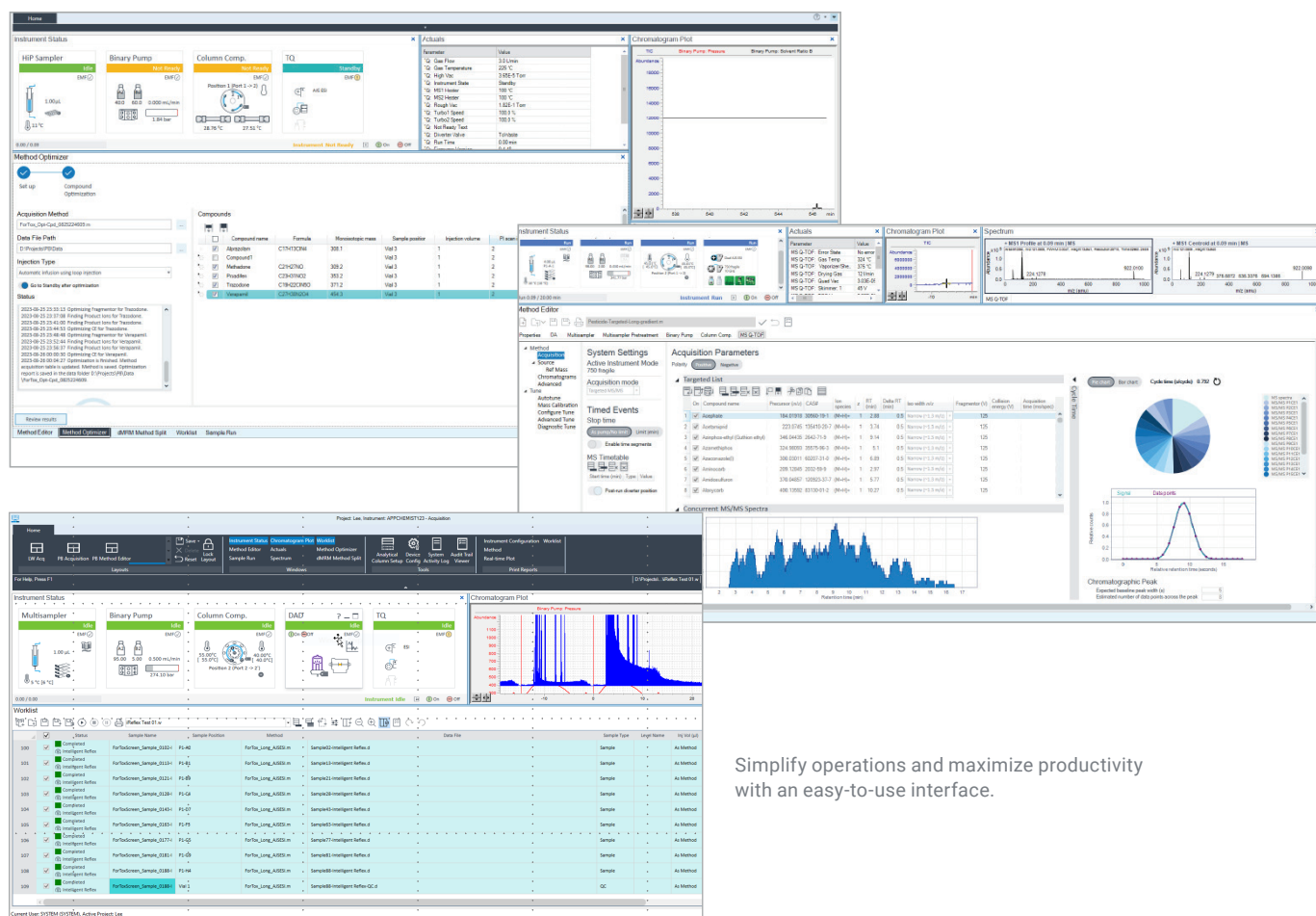
Automated

Intelligent reflex reinjection workflows maximize productivity, confidence, and throughput.

Intelligent

Maintenance feedback ensures highest instrument uptime.

Built-in intelligence. From instrument calibration to compound optimization and method development, MassHunter acquisition software gives you flexibility and delivers accurate answers quickly.



Simplify operations and maximize productivity with an easy-to-use interface.

Streamline Quantitation and Screening Workflows

Generate quantitative answers while preserving the integrity of your data

MassHunter Quantitative Analysis software simplifies compound identification and quantitation across all LC/TQ, LC/TOF, LC/Q-TOF, GC/MSD, GC/TQ, and GC/Q-TOF, from small- to large-target lists.

Features include:

- Built-in workflow templates
- Compliance-ready controls
- Rich data visualization
- Customizable data review panels

Easy data review provides flexibility for different users and workflows.

The screenshot displays the MassHunter Quantitative Analysis software interface. The main window shows a 'Batch Table' with columns for Name, Sample, Type, Level, Acq. Date-Time, Exp. Conc., RT, Resp, MI, Okc, Conc, Final Conc, Accuracy, Ratio, and MI. Below this, there are several panels: 'Compound Information' showing a chromatogram with a peak at 3.12min; 'Calibration Curve' showing a linear plot; 'Samples' table with columns for Name, File Name, Components, HPLC, and Acquired; 'Chromatogram' showing a full run with peaks labeled; 'New Peaks' showing a zoomed-in view of a peak; 'Spectrum' showing the mass spectrum of a peak; and 'Molecular Structure' showing the chemical structure of a compound.

From quantitation to identifying and analyzing unknowns, built-in workflows give you confidence in your results.

Improve Confidence for Any Targeted Screening Assays

Enable method setup for all MS instruments and screening lists of any size

Easily manage large lists of targeted compounds using either ChemVista, Personal Compound Database and Library Manager (PCDL) software, MRM databases, or an acquisition method. All Agilent libraries include a comprehensive list of important compounds for accurate screening and identification through GC/MSD, GC/TQ, GC/Q-TOF, LC/TQ, LC/TOF, and LC/Q-TOF.

Workflows center around compound lists associated with a specific analysis.

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

The screenshot shows the 'Export Options' and 'Spectral Filters' panels in the ChemVista software. The 'Export Options' panel includes checkboxes for 'Only compounds with spectra', 'Only most recent spectra for substance/method', 'Only compounds with unequivocally defined formula/mass', 'Exclude spectra', and 'Exclude compound-level RTs'. The 'Spectral Filters' panel has dropdown menus for 'Separation technique', 'Ionization technique' (set to ESI), 'Mass analyzer', 'Collision energy', 'Polarity' (set to POSITIVE), and 'Source type'. Below these is an 'MS level' dropdown set to 2 and a 'Method label' dropdown set to 'HPLC C18 Method 1 March 2023'. A 'Summary' table is also visible:

Substances	1402
Substances with spectra	962
Substances with RTs	180
Substances with method data	1078
Spectra	3681

A 'Start export' button is located at the bottom of the summary section.

The screenshot displays the 'ChemVista Library Manager' interface. The main window shows a table titled 'List: Pesticides Targeted Screening List' with columns for 'Formula', 'CAS', 'Mass', 'Agilent ID', 'Inventory', and 'Spectra Count'. A specific entry for 'Prochloraz' is highlighted. To the right, a detailed view of Prochloraz is shown, including its chemical structure and associated data like 'CAS: 87749-9', 'Formula: C14H16ClN2O2', and 'Molecular Weight: 308.74'. The interface also includes navigation buttons like 'Back', 'Reload', 'Forward', 'Home', 'Search', 'Import', 'Jobs', 'Lists', and 'System'.

Automated chemical class tags are assigned from manually curated PCDLs.

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

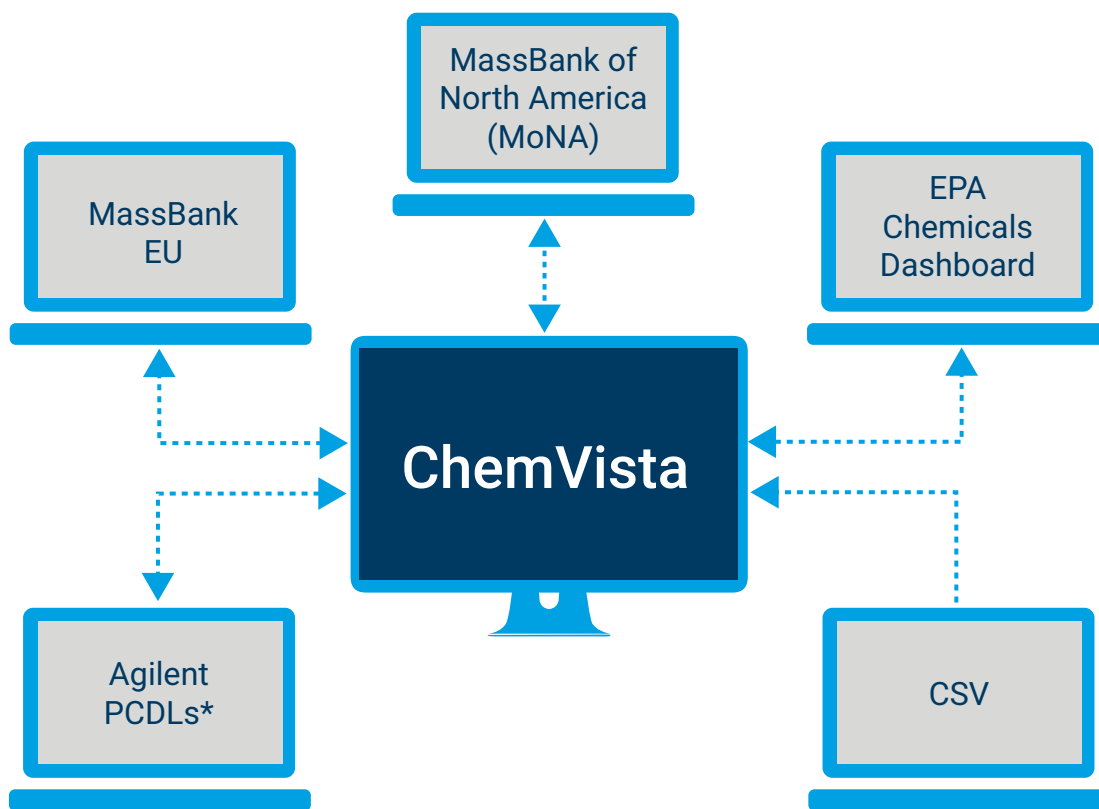
Import/export data with ChemVista in multiple file formats (SDF, MassBank Text, PCDL, CSV). To help you refine the exchanged information, these processes are supported with filters and customizable options.

Agilent ChemVista: An innovative tool for confident identification

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, allowing you to:

- Access multiple public databases and curated libraries (MassBank [EU and MoNA], EPA Chemicals Dashboard, Agilent PCDLs, and customer CSV).
- Organize, manage, edit, or create spectra.
- Facilitate identification workflows within MassHunter data analysis applications.
- Identify compounds with greater confidence.

In addition, ChemVista includes extensive preloaded library and database content.



**Curated Personal Compound Databases and Libraries*

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

Perform Fast, Reliable, and Simple Nontargeted Data Analysis

Make nontargeted data analysis easier, faster, and smarter

MassHunter Explorer features an integrated user interface that seamlessly combines advanced data extraction with normalization, statistical analysis, visualization, and identification procedures. Together, in one easy-to-use application, these tools help you confidently gain insights into your data quickly, improving your research productivity.

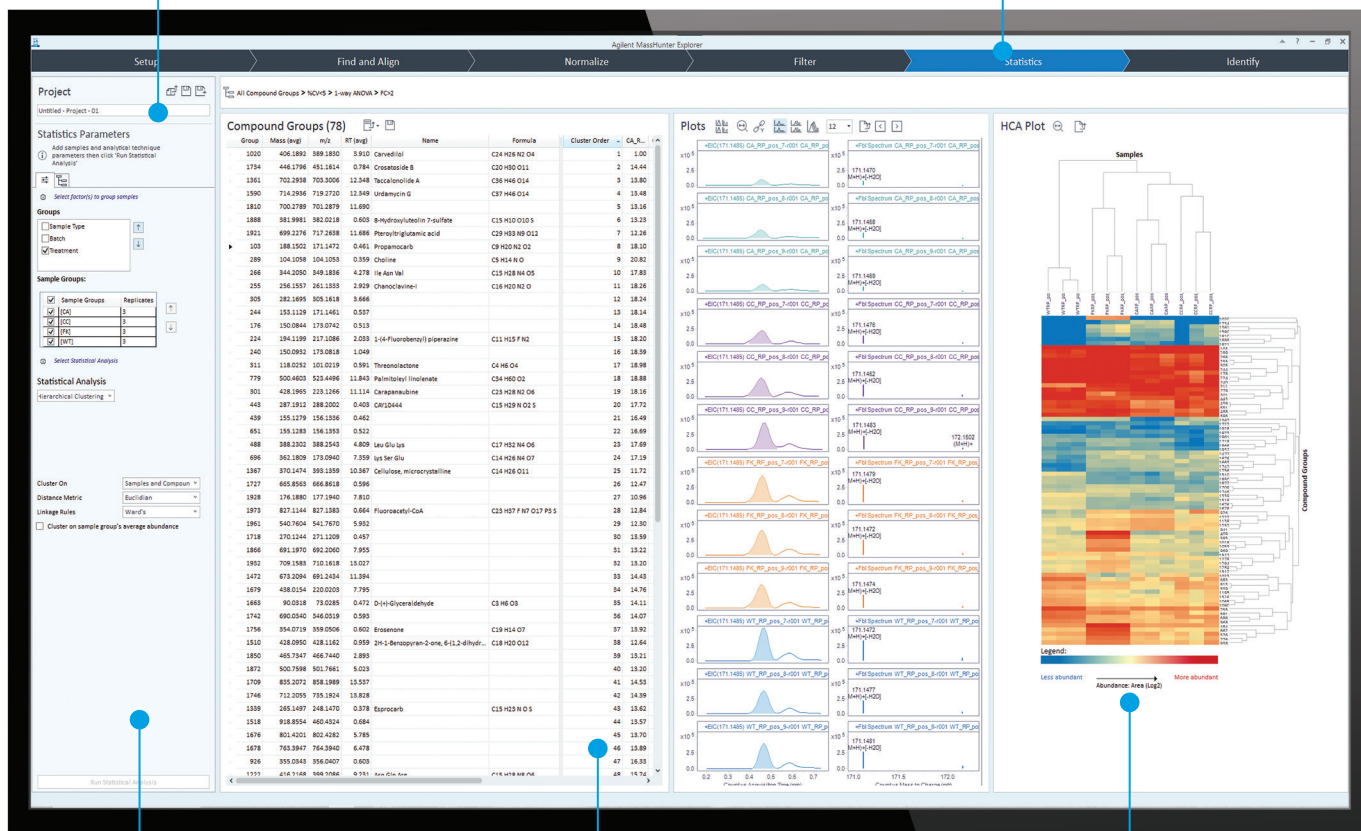
- Methods can be shared across your organization, ensuring consistent results.
- Project-based workflows allow for easy setup and transferability for beginners and experts.
- Different statistical analysis techniques help identify compounds that are significantly different or common between sample groups.



Quickly achieve accurate results with an integrated, guided, and intuitive workflow

Project-based workflows allow for easy setup and transferability for beginners and experts.

Streamlined, integrated procedures simplify navigation.



Multiple statistical algorithms provide the right tools for the given data.

Preprocessing during acquisition speeds up data processing.

Chromatographic, spectral, and statistical data are pictured for quick review.

Take a Giant Step Forward in Protein and Oligonucleotide Characterization

Enable routine characterization through easy-to-use workflows

Agilent MassHunter BioConfirm software is ideal for intact protein analysis, oligonucleotide characterization, peptide mapping, and routine glycan profiling.

- Confirm biomolecule sequences with confidence.
- Rapidly deconvolute intact biomolecule data and confirm peak composition and potential modifications.
- Analyze in a secure, auditable manner using technical controls such as roles, permissions, and audit trail.

Intuitive windows give you increased access to information for sequence confirmation and target-plus-impurity workflows for oligonucleotides and proteins.

The screenshot displays the Agilent MassHunter BioConfirm Software interface with several key windows open:

- Biomolecule Fragment Spectrum (Zoomed):** Shows a mass spectrum with peaks labeled with their m/z values (e.g., 752.9, 767.9, 782.9, 797.9, 812.9, 827.9, 842.9, 857.9, 872.9, 887.9, 902.9, 917.9).
- Fragment Confirmation Ladder:** Displays a ladder of peaks corresponding to the sequence C C A C G A C C A A G T G A C A G C A A T G A A T.
- Sample Chromatogram Results:** Shows a chromatogram with a prominent peak at approximately 6.5 minutes.
- Biomolecules Found Table:** Lists identified biomolecules with columns for Label, m/z, Y, MzS, Y, HgM, Y, File, Ion Type, Y(2) (Prod), Y, Sequence, Y Score (Bio), Y, Y, Off (Bio, ppm), Y, Flags (Bio), Y, Include in Coverage, Y, Y, Seq. Mass, Y, CE (Oligos), Y, Precursor Charge State (Oligos), Y, Matched.
- Biomolecule MS Spectrum:** Shows a mass spectrum for a specific biomolecule.
- Biomolecule Fragment Spectrum:** Shows a mass spectrum for a specific biomolecule.
- Sample Chromatogram Results (Zoomed):** Shows a zoomed-in view of the chromatogram peak.
- Relative Quantitation Histograms:** A bar chart comparing 'Unmodified' (91.04%) and 'Modification' (8.96%) for M255 (B/D) - Oxidation (M). The modification bar is further divided into 0.00% and 8.96%.
- Sequence Coverage Map:** Shows a protein sequence with colored bars indicating coverage for different biomolecules.

Explore Nontarget Compounds

Easily identify and analyze unknowns

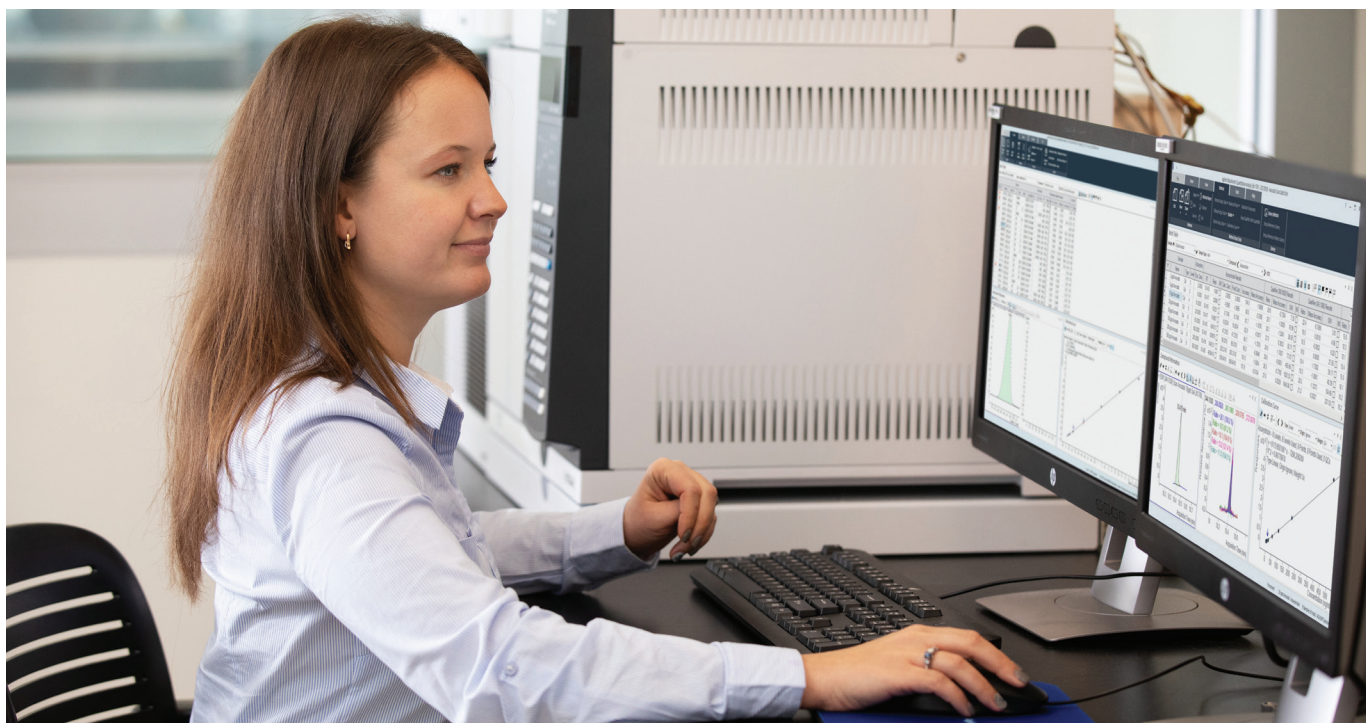
With its built-in simplicity and usability, MassHunter Qualitative Analysis software supports your nontargeted workflows.

- Access accurate mass MS/MS fragmentation instantly for mass spectral confirmation.
- Search against curated PCDLs targeted to your application and create your own customized PCDLs in ChemVista, or from NIST spectral libraries.
- Move compound and spectral information into third-party software (such as SIRIUS/CSI: Finger ID and NIST MS Search) using industry-standard export formats.
- Expand your searches by sending acquired spectra to your own custom library or by adding novel compounds and emerging contaminants.

Need expanded capabilities for 'omics analysis? Use the MassHunter software options found in [MassHunter software for advanced mass spectrometry applications](#).



Focus on Science and Reduce Your Regulatory Risk



Maintain compliance for instrument control, data acquisition, data processing, and reporting

From instrument control to enterprise content management, Agilent recognizes the critical role that software plays in compliance. Partner with us to meet guidelines for electronic data management as defined in 21 CFR Part 11, EU Annex 11, and other regulations. Together, we can ensure data security, integrity, and traceability of your electronic records.



Labs are increasingly outsourcing their compliance tasks to save time and maximize efficiency. Agilent CrossLab compliance services—including operational and repair qualification—give you confidence that your equipment and processes conform.

www.agilent.com/en/service/laboratory-services/compliance-services

Intelligence that inspires

Next-generation Agilent LC/Q-TOF and LC/TQ instruments and software optimize your lab operations with a foundation of continuous innovation. They go beyond instrumentation to include time-saving intelligence, efficient workflows, and services provided by a trusted partner. So, you can focus on what inspires you and meet every challenge that comes your way.

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