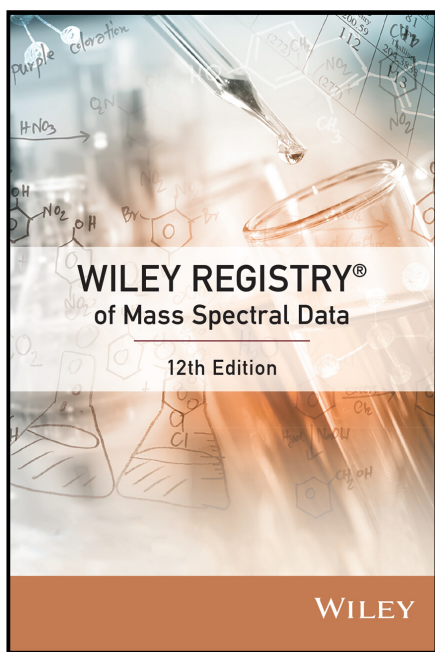# Wiley Registry® of Mass Spectral Data, 12th Edition

Confident compound identification with the most comprehensive GC-MS library

The field-tested *Wiley Registry® of Mass Spectral Data, 12th Edition* is the largest mass spectral library commercially available, providing over double the compound coverage of our competitors. Applications include untargeted GC-MS screening and accurate mass workflows with MS-TOF instruments.

Experience improved spectral search performance with the 12th Edition. The latest version was extensively validated to sequester and remove suspect spectra from the main library. The new edition also introduces the inclusion of **chemical classifications, calculated Kovats retention indices**, **and splash IDs.**

The 12th Edition provides researchers the most assurance that their untargeted spectral search is the broadest available. Expansion on the new edition brings an additional 41,450 spectra into the library.
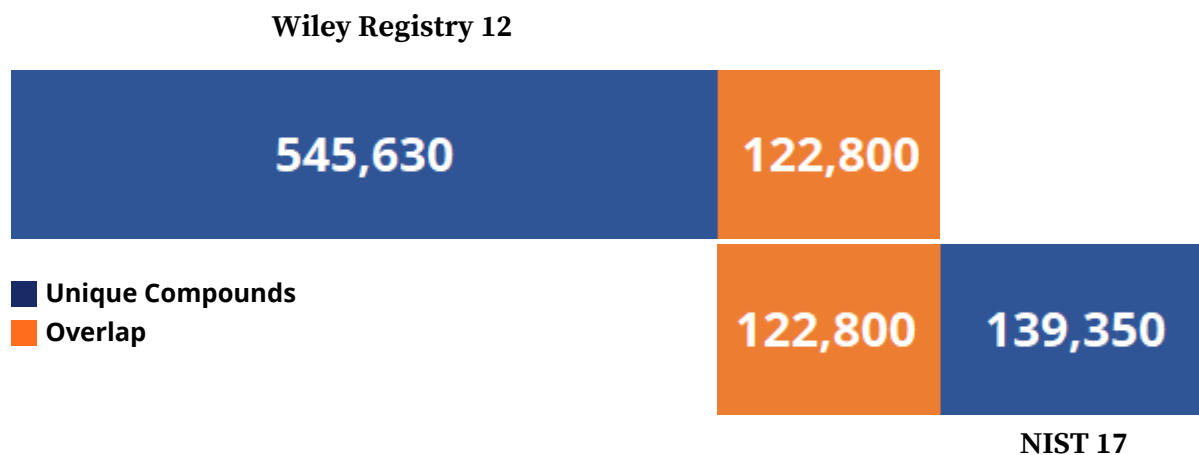
📊 Specifications

- De-duplication of spectra into 4 separate libraries
- Chemical Classifications
- Calculated Kovats RI values
- Splash IDs

- Mass Spectra: **817,290**
- Searchable Chemical Structures: **785,061**
- Unique Compounds: **668,452**

	WR12	WR11	WR10	WR9	NIST17	NIST14
Spectra	817,290	775,818	719,438	662,860	306,662	276,248
Searchable Structures	785,061	741,255	684,721	565,106	306,662	276,248
Unique Compounds	668,452	632,511	583,781	476,553	262,158	237,409

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Wiley Registry® of Mass Spectral Data, 12th Edition

⚗ Coverage

Wiley Registry 12

545,630	122,800

■ **Unique Compounds**
■ **Overlap**

122,800	139,350

NIST 17

Compound coverage can be searched at www.compoundsearch.com

⚙ Compatibility

Compatible with most current and legacy mass spectrometry data systems including:

- Agilent ChemStation, MassHunter, OpenLab*
- Bruker MS Workstation*
- Chromatec Analytic*
- JEOL msFineAnalysis*
- Leco ChromaTOF*
- NIST MS Search

- PerkinElmer TurboMass
- Scion MS Workstation*
- Shimadzu GCMSsolutions
- Thermo Chromeleon™*, TraceFinder™*, Xcalibur™
- Waters MassLynx

Other options available:

- ACD/Labs ACD/Spectrus Processor**
- Bio-Rad KnowItAll®*
- Wiley Spectra Lab**

*Compatible with the NIST format
**Subscription required

https://sciencesolutions.wiley.com

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