

## Polypropylene LCMS Vials Compared to Market Leading Plastic Vials - Tech Information

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### Why Your LC-MS Data Deserves Better Polypropylene Vials

In high-sensitivity applications like LC-MS, HILIC, and Aqueous Normal Phase (ANP) chromatography, the choice of sample vial can make or break your data integrity. While many scientists default to standard 300  $\mu$ L polypropylene vials—especially when working with compounds that adsorb to glass—these common plastics can introduce a hidden variable: chemical leachables.

Standard plastic vials, manufactured for speed and cost-efficiency, often contain mold release agents, clarifiers, and antioxidants—residuals from the injection molding process. These additives are not inert. In fact, they're frequently extracted by organic solvents and appear as spurious peaks in LC-MS and HPLC chromatograms, compromising both qualitative and quantitative results.

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#### The AQ™ Advantage: Engineered for Clean Performance

AQ™ (Advanced Quality) brand polypropylene vials are purpose-built for LCMS and high-purity HPLC workflows. Unlike conventional polypropylene vials, AQ™ vials are manufactured using a proprietary blend of virgin polypropylene—free from mold release agents, clarifiers, and antioxidants.

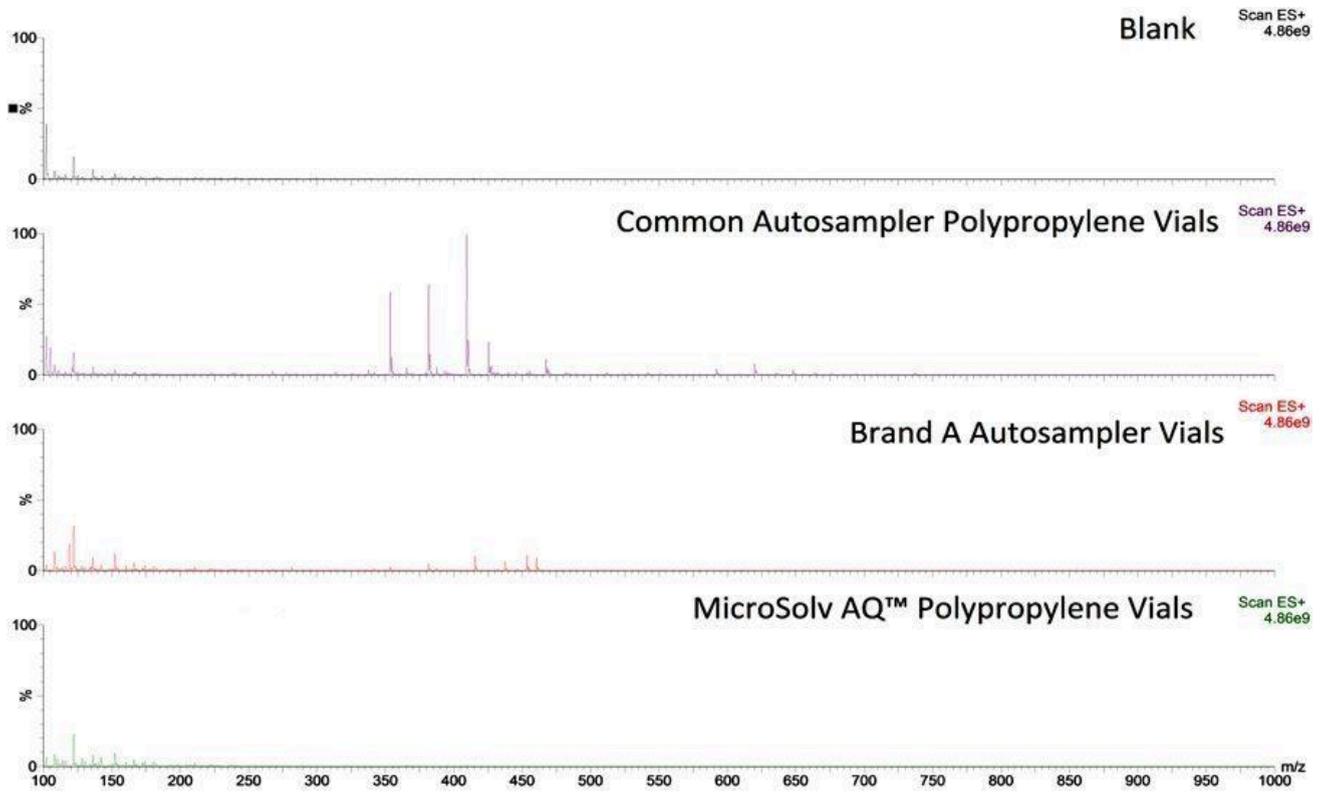
- No background interference: Eliminate ghost peaks caused by extractables.
- Optimized for organic solvents: Reliable performance in gradient and high-organic mobile phases.
- Available in screw top and snap top formats: Seamless integration into your existing workflow.
- Available with permanent write on patch and flow interior bottom for less bubble formation.

Yes, AQ™ vials cost more to produce—our slower, additive-free process is deliberate. The result is a cleaner, more reliable vial that protects your data and your reputation.

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#### When Data Quality Matters, Choose AQ™

If you're running high-sensitivity assays or working with trace-level analytes, don't let your sample vial be the weakest link. **Upgrade to AQ™ brand LCMS compatible vials** and experience the difference in baseline clarity, reproducibility, and confidence.



Click [HERE](#) to view Ordering Information.

# AUTOSAMPLER VIALS AND CAPS

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**MicroSolv Technology Corporation**  
9158 Industrial Blvd. NE, Leland, NC 28451

Tel: (732) 380-8900  
Fax: (910) 769-9435  
Email: [customers@mtc-usa.com](mailto:customers@mtc-usa.com)  
Website: [www.mtc-usa.com](http://www.mtc-usa.com)