## **QuickSplit<sup>TM</sup> Makeup-Flow Splitters** for Mass Directed Fraction Collection

## **Adjustable Makeup-Flow Splitter Performance**

The chromatographic data below compares the dispersion (band broadening), measured as variance, at 10  $\mu$ L/min. between an ideal system with direct flow (**Figure below left**) and a split system incorporating the *ASI QuickSplit* Adjustable Makeup-Flow Splitter (**Figure below right**). Split flow variance is measured with and without the addition of a small amount of makeup flow. The data proves conclusively that *ASI* splitter dead volume does not contribute significantly to overall system dispersion. It also demonstrates the advantages of adding a makeup flow not only to improve peak shape but acts as an additional tool to optimize the timing sequence between Mass Spectrometer detector and the fraction collector.

