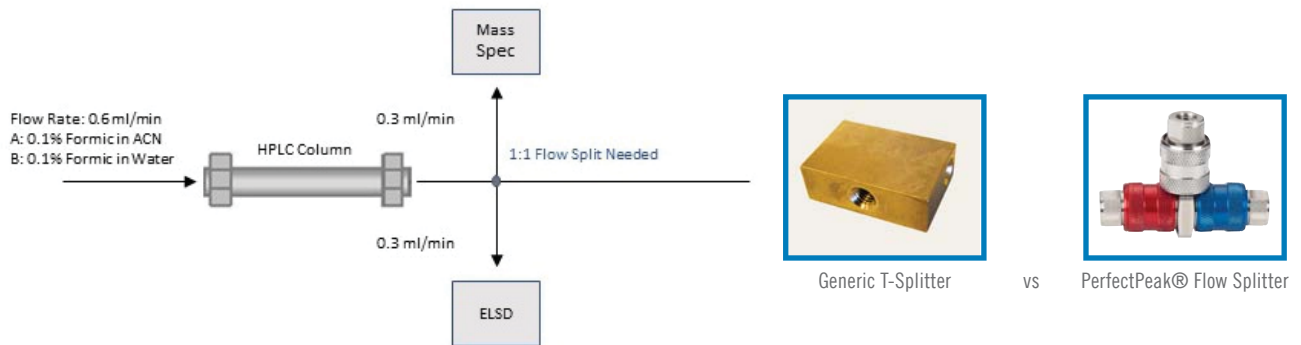


MERCACHEM SHOWS DRAMATIC PEAK IMPROVEMENT AND BETTER RESOLUTION USING MOTT FLOW SPLITTER

OVERVIEW:

Contract Research Organizations (CROs) face some of the most demanding timelines and challenges to develop methods and deliver credible data when analyzing molecules. Scientists rely on this data in the drug discovery process to help convert leads into viable pipeline options. The dynamics of establishing the right analytical setup with various column separations, flow rates, and detection methods can make or break an analysis, and having the right tools available makes all the difference.

METHOD SETUP:



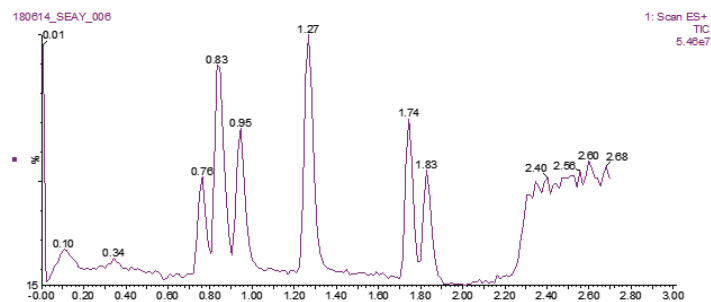
THE CHALLENGE: FLOW SPLIT INACCURACY AND PEAK DISPERSION

When using her existing splitter technology, Colinda van Tilburg, a group leader of analytical chemistry at Mercachem, experienced difficulty in getting the required results for a pharmaceutical analysis. Data generated using a generic T-splitter with tubing showed excess dispersion and variability in peak shape.

THE SOLUTION: BETTER RESOLUTION PEAKS WITH ACCURATE FLOW SPLITTING

Using a Mott PerfectPeak® Flow Splitter, the accurate flow and extremely low dwell flow volume enabled Colinda to collect data faster with better peak resolution.

MSD: PURPLE - T-SPLITTER INSTALLED



MSD: RED - MOTT FLOW SPLITTER INSTALLED

