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Challenging Pharmaceutical Analyses by Gas Chromatography with Vacuum Ultraviolet Detection

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Highlights:

- Detect trace level water content in organic solvents
- Track peaks during column screening by comparing VUV spectra
- Detect peaks of interest selectively using multi-wavelength detection
- Assess peak purity using VUV spectra

Abstract:

Vacuum ultraviolet (VUV) detector for gas chromatography (GC) provides qualitative spectral information from 125 nm to 240 nm. In this article, this information was applied to facilitate the development of a GC method for challenging pharmaceutical applications. Seven organic solvents were screened for trace level water content using VUV detection at 168 nm, and the results were used to

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