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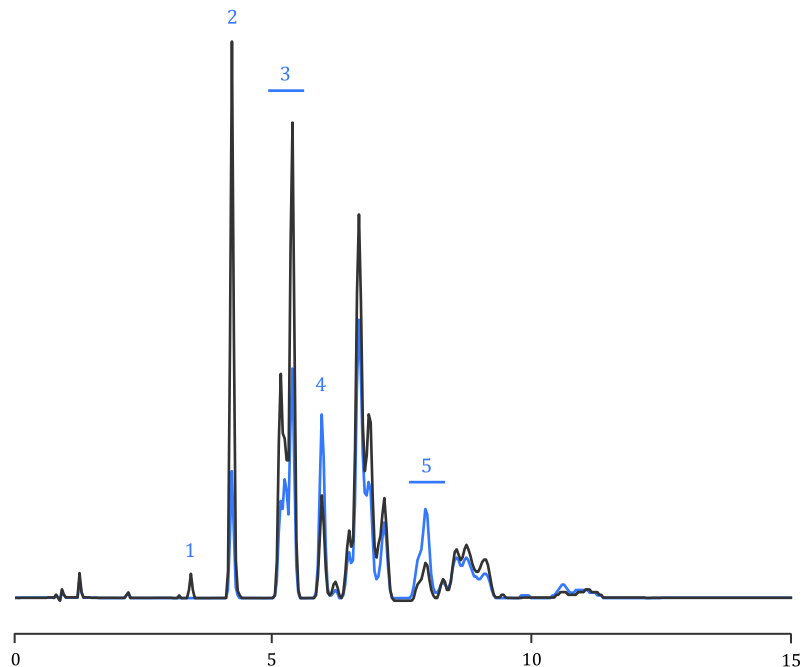
Simple Test for Gasoline Adulteration Detection Using HPLC-UV

The method is intended for gasoline adulteration detection using simple isocratic 400 bar HPLC system with a conventional UV detector.

The method is capable to determine benzene, toluene, naphthalene, sum of xylenes and ethylbenzene, and the sum of methyl naphthalenes in the presence of gasoline additives.

Chromatogram

Figure 1. Specific isocratic analysis of gasoline aromatic compounds .
Detection: UV 210 nm, 220 nm



Analytes

1. Benzene, **2.** Toluene, **3.** Sum of Xylenes & Ethylbenzene, **4.** Naphthalene, **5.** Sum of Methyl Naphthalenes.