



Agilent Technologies

Problem with Peaks fronting Applies to 5973A/N MSD

Problems with chromatographic peak fronting are indicated by the peak sloping to the right during the up-slope of the peak, with a normal or rapid drop off during the down slope of the peak. This gives the effect that the peak is leaning to the right and can be caused by the following:

- Column film thickness mismatched with analyte concentration
(column overloaded)
- Initial oven temperature is too low
- Active sites in the sample path
- Injection is too large
(column overloaded)
- Injection port pressure too high
- Insufficient column flow

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