

# **Improving Trace analysis: Maximizing sensitivity by minimizing the noise and background in GC and GC/MS**

**Jaap de Zeeuw**

Restek Corporation, Engineer, U.S 110 Benner Circle Bellefonte, PA

1. Challenges and Needs of today's lab
2. Need to Increase signal to noise by Reducing the Noise and Increase the Signal
3. We have to minimize the background of the GC system
4. New-technology to help to stabilize the Stationary Phases, Lowest Possible Bleed, Ultra Inertness & Reproducibility