

Flavor, Fragrance and Foodstuffs Workshop Report 2014

Attendance ~ 110

“**Modern GCMS for Flavor, Fragrance and Foodstuffs Analysis: GC QQQ and GC HRMS**” was the title of this year’s workshop. Four short presentations were given; Joe Lisko (CDC), spoke about the advantages of using GC QQQ for the analysis of alkaloids in cigarette filler, Anthony Adeuya (FDA), discussed the advantages of using GC x GC TOF for the analysis of industrial contaminants in food and feed, Allison Balloon, (U WI), described her experiences using a GC Orbitrap for plant metabolomics analysis. The final presentation by Steve Lehotay (USDA) focused on guidelines for confirmation of a compound.

The discussion focused on confirmation criteria.

Key points were:

- Organizational confirmation guidelines should be considered minimum requirements
- Using isotope ratios is important and should not be neglected
- Terminology and requirements for identification and confirmation need to be the same for all groups. The “current” accepted terminology seems to be “putative identification” for anything less than having a standard to compare to an unknown compound and appropriate spectral and m/z criteria met (confirmation).

We had no volunteers for next year’s co-chair

Tim Croley and Marc Engel co-chairs 2014