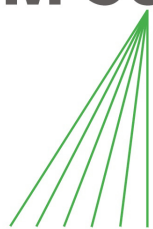


M-Scan



Mass Spectrometry
Consultants and Analysts

**Odour
Characterisation**

M-Scan was founded in 1979 to provide analytical and consulting services, particularly in organic mass spectrometry and chromatography. **M-Scan's** consulting laboratories in the UK, USA and Switzerland offer a full range of MS, GC and HPLC techniques and specialise in detailed compositional analysis. Appropriate analytical procedures are selected carefully to solve customer problems on a confidential, professional and cost-effective basis in accordance with GLP/cGMP as required.

M-Scan offers particular expertise in the detailed characterisation and sourcing of volatile organic compounds (VOCs) and odours.

The VOCs and organic vapours responsible for odours are normally concentrated onto a suitable adsorbent, such as Tenax porous polymer, and analysed by the fully established **M-Scan** procedure incorporating:

- Thermal desorption using a PE ATD400 automatic thermal desorber.
- Thick film GC-MS analysis using a PE Turbomass GC mass spectrometer.
- Identification of desorbed components by library matching and inspection of individual mass spectra, mass chromatograms and GC retention data.
- Quantification by reference to an appropriate blend of external standards.
- Highlighting of (mal)odorous compound(s) by reference to extensive **M-Scan** database of odour thresholds.

The **M-Scan** approach is also applicable to occupational hygiene and workplace monitoring, where data are compared with maximum exposure limits and occupational exposure standards, and headspace analysis, for example the analysis of solvent residues and the characterisation of unusual product odours/taints.

Sampling kits incorporating conditioned adsorption tubes/teflon bags, personal monitoring pumps and sampling instructions are provided by **M-Scan** to the client, where appropriate.

For further information please feel free to contact:

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