



Pesticides

Application Note

Environmental

Authors

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Introduction

High resolution GC/MS analysis of pesticides in apple purée extract on an Agilent VF-5ms column.



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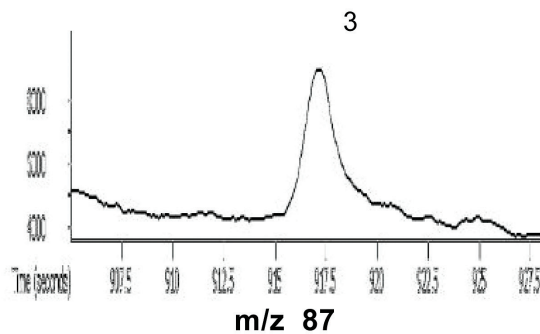
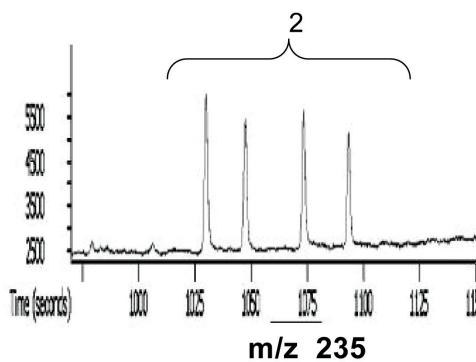
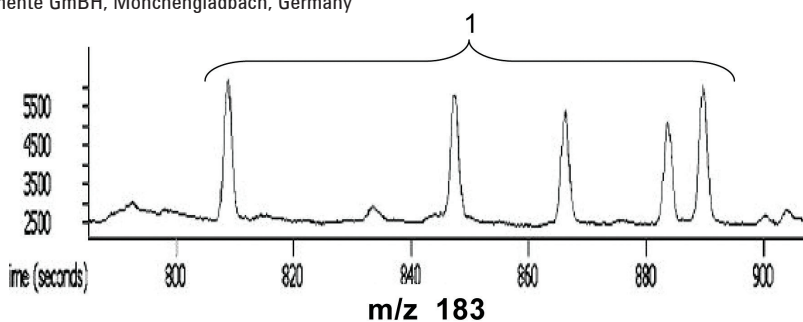
Conditions

Technique : GC
Column : Agilent VF-5ms, 0.25 mm x 25 m fused silica
(df = 0.25 μ m) (Part no. CP8941)
Temperature : 60 °C, 20 °C/min \rightarrow 300 °C
Carrier Gas : Helium, 70 kPa
Injector : Optik 3 with liner exchange unit
Detector : TOF
Sample Size : 1.0 μ L
Concentration Range : ca. 20 ppb of component on the column
Sample Preparation : extraction with acetonitril; addition of $MgSO_4$ and NaCl; addition of internal standard; centrifugation, aliquotation, addition of $MgSO_4$ and PSA; gas chromatographic analysis with DMI and TOF/MS

Courtesy : Sjaak de Koning, LECO
Instrumente GmbH, Mönchengladbach, Germany

Peak identification

1. HCH
2. DDD and DDT
3. dimethoate



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This information is subject to change without notice.

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