Pesticides in grapes

Application Note

Environmental

Authors

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Introduction

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

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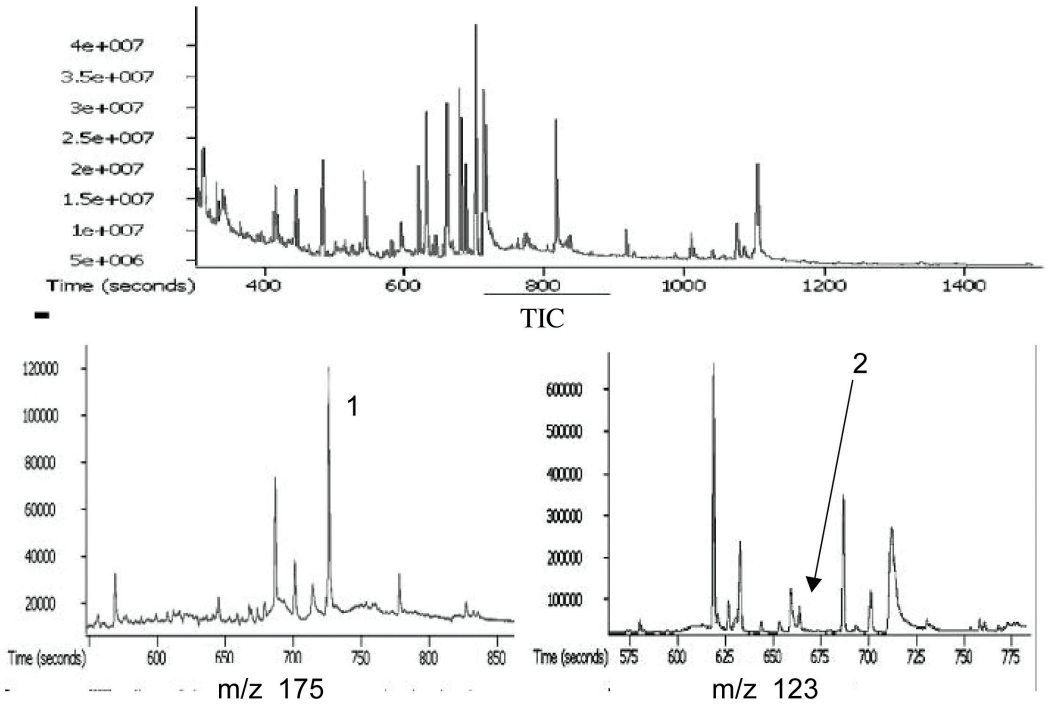
Conditions

Technique	:	GC
Column	:	Agilent VF-5ms, 0.25 mm x 25 m fused silica (df = 0.25 µm) (Part no. CP8941)
Temperature	:	100 °C, 10 °C/min → 230 °C
Carrier Gas	:	Helium, 70 kPa
Injector	:	Optik 3 with liner exchange unit
Detector	:	TOF
Sample Size	:	1.0 µL
Concentration Range	:	ca. 20 ppb of component on the column
Sample Preparation	:	extraction with acetonitrile; 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

Peak identification

1. oxidiazon
2. dichlorfluanid



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