Application Note No. 062

# Automated Analysis of the Preservative Compound HDO in Impregnated Wood by Direct Thermal Desorption-GC-MS Using the Focus-DTD Robotic Sampler

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- ***No Sample Preparation Required***
- ***Automated Sampling of Solid Samples***

## *Instrumentation*

- Optic 2-200 programmable injector
- Focus Direct-TD automated thermal desorber
- Agilent 6890 GC and 5973N MSD
- HP5-MS capillary column; 25 m x 0.25 mm x 0.25 µm

## *Procedure*

- A series of wood splinters are loaded into Sepliners and the Sepliners placed into the auto sampler tray
- Each Sepliner is automatically picked from the tray and placed into the injector
- HDO preservative is desorbed thermally from the wood samples and analysed by GC-MS

## *Chromatograms*

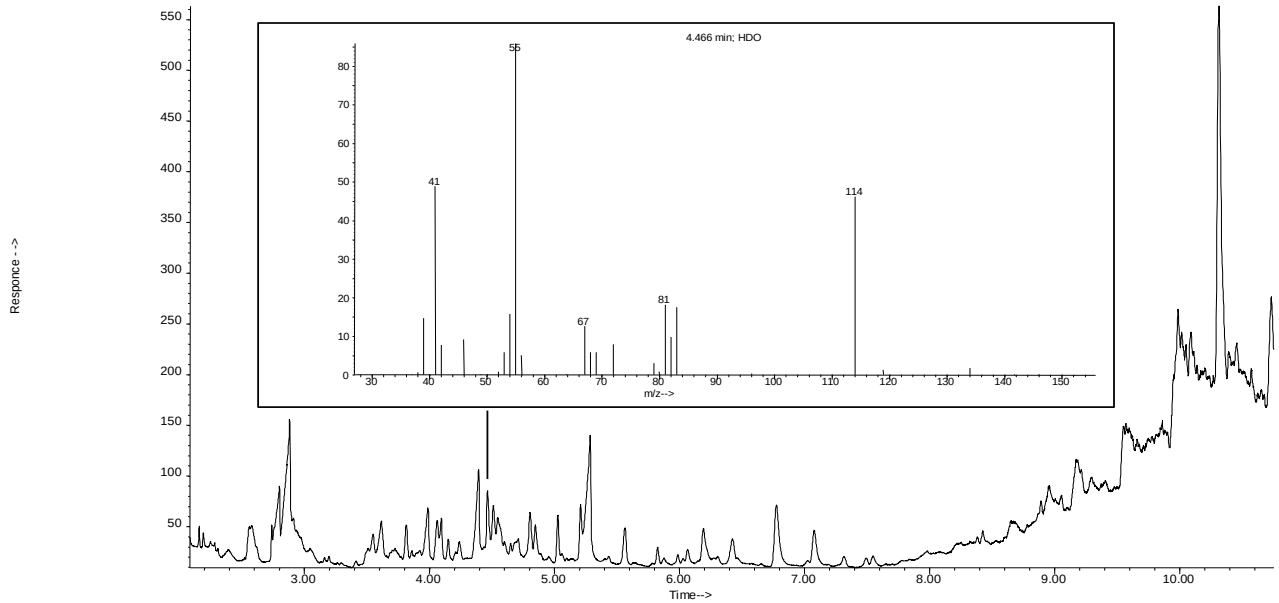


***Figure:*** *Full scan DTD–GC–MS chromatogram of 10 mg pine impregnated with 56 ppm HDO. Insert: mass spectrum of HDO peak*

For more information please contact us at one of the addresses below.

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