



# Agilent Technologies

**Agilent J&W VF-5ht**

A collection of citations to advance your research

## **Table of contents**

[Energy and chemicals](#)

[Food testing and agriculture](#)

[Metabolomics](#)

## Energy and chemicals

### [Effect of phosphorus on lipid accumulation in freshwater microalga \*Chlorella\* sp.](#)

*Journal of Applied Phycology*, **25**, 311-318  
(2013)  
Kehong Liang *et al.*

**Tags**  
VF-5ht, energy & chemicals, biofuels &  
alternative energy

#### **Abstract**

The lipid content of a green alga was analyzed using an Agilent J&W VF-5ht GC column. Published by Springer.

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### [High temperature gas chromatography–time-of-flight-mass spectrometry \(HTGC–ToF-MS\) for high-boiling compounds](#)

*Journal of Chromatography A*, **1243**, 69-80  
(2012)  
P. A. Sutton, S. J. Rowland

**Tags**  
VF-5ht UltiMetal, 6890 GC, energy & chemicals,  
refining

#### **Abstract**

Mass spectrometry at 430 °C was routinely achievable with no significant thermal degradation of analytes using an Agilent J&W VF-5ht UltiMetal GC column in an Agilent 6890 GC. Published by Elsevier B. V.

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## Food testing and agriculture

### [Application of high-temperature gas chromatography to the analysis of used frying fats](#)

*Grasas y Aceites*, **61**, 197-202 (2010)  
M. Aguirre *et al.*

**Tags**  
VF-5ht UltiMetal, 6890 GC, food testing &  
agriculture, food processing & packaging

#### **Abstract**

High-temperature GC determines oxidized monomeric and dimeric FAMES, providing extra information on oil degradation. Polar compounds are transesterified and methyl esters are separated on an Agilent J&W VF-5ht UltiMetal column.

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# Metabolomics

[Synthesis of methyl ketones by metabolically engineered \*Escherichia coli\*](#)

*Journal of Industrial Microbiology & Biotechnology*, **39**, 1703-1712 (2012)  
John Park *et al.*

**Tags**  
VF-5ht, DB-5, metabolomics

## Abstract

Agilent J&W GC columns were used in an investigation of microbially produced methyl ketones.  
Published by Elsevier B. V.

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