



# Determination of drugs of abuse: ecstasy

## Application Note

Forensic Toxicology

### Authors

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### Introduction

Agilent CP-Sil 8 CB GC columns are ideal for detecting ecstasy by GC/MS.



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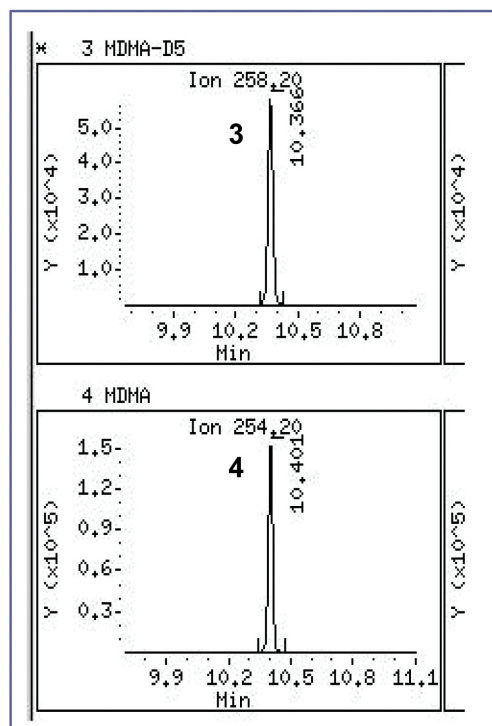
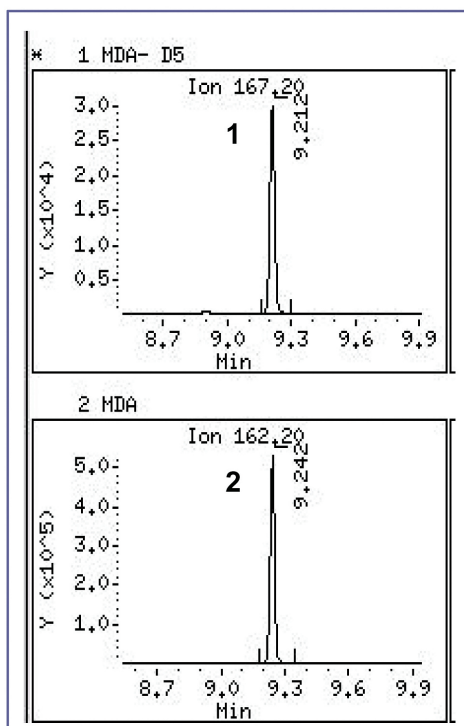
## Conditions

Technique : GC-capillary  
Column : Agilent CP-Sil 8 CB-LB/MS\*, 0.25 mm x 30 m fused silica (df = 0.25 µm) (Part no. CP5860)  
Oven Temperature : 60 °C (1 min) → 100 °C, 40 °C/min. → 200 °C, 10 °C/min  
Carrier Gas : Helium, 25 psi, 170 kPa  
Injection : 1 µL  
Injector : Splitless, T = 250 °C  
Sample Size : MS, T = 300 °C  
Sample Solvent : acetonitrile  
Concentration : 100 ng/mL

Courtesy : Jacques Wilson and John Giddens,  
Doctors laboratory Inc., Valdosta Ga

## Peak identification

	tr	ions m/z
1. MDA - D5	9.212	177.2, 380.2
2. MDA	9.242	462.2, 135.2, 375.2
3. MDMA - D5	10.366	258.2, 213.2
4. MDMA	10.401	254.2, 162.2, 210.2



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