

CoreFocus
Report
No.462

GC-MS

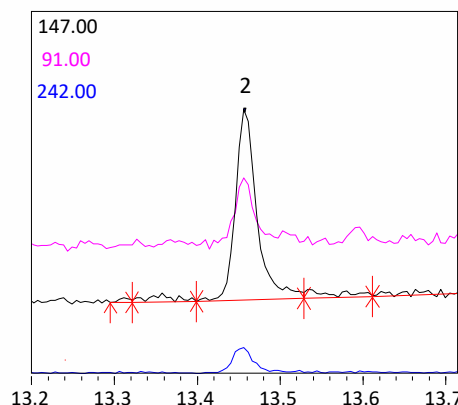
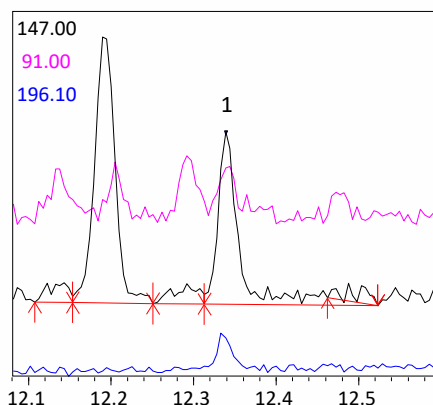
SH Series

SH-5MS

**Analysis of 3-MCPD Fatty Acid Esters and
Glycidol Fatty Acid Esters**

Keywords: Monochloropropanediols, AOAC Official Method 2018.12,

1. 3-MCPD
2. 3-MBPD



Model	: GCMS-TQ TM 8050 NX
GC condition	
Ion Source Temp.	: 250 °C
Injection Method	: Split
Split Ratio	: 20
Carrier Gas	: He
Carrier Gas Control	: Linear velocity (50 cm/s)
Column	: SH-5MS (30 m × 0.25 mm I.D., 0.25 μm) , P/N : 221-75855-30
Column Temperature	: 50°C (1 min) - 10°C/min - 300°C (3 min)
MS condition (Electron Ionization)	
Detection Mode	: SIM
	3-MCPD 147.0, 196.0, 91.0
	3-MBPD 242.0, 147.0, 91.0

Source : Application News 01-00289 ([JP](#), [ENG](#))

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