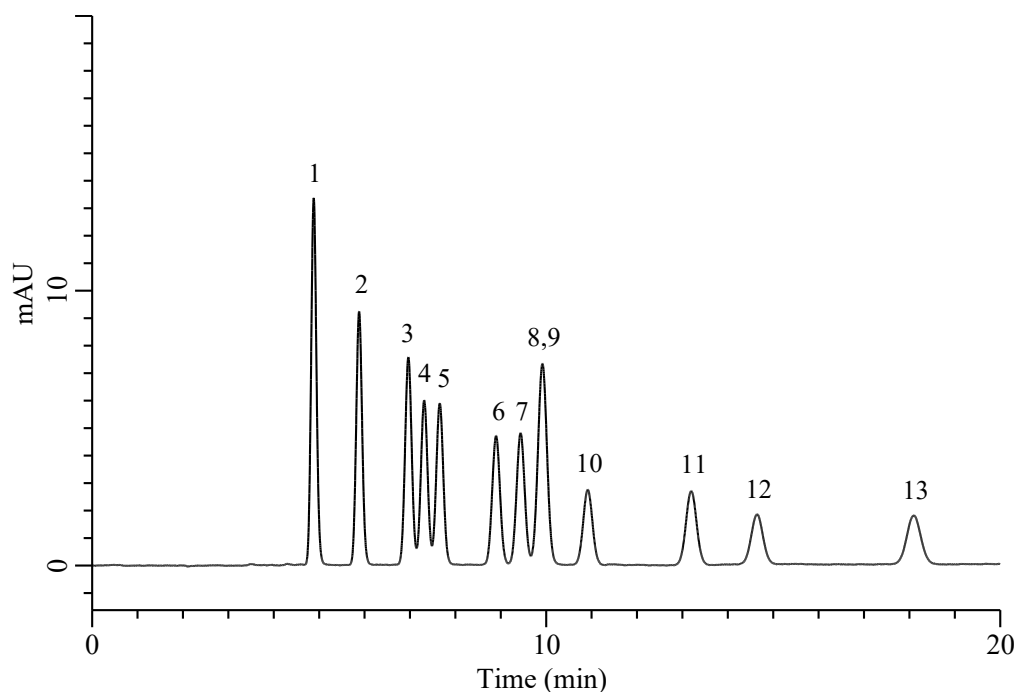


Analysis of 13 kinds of Aldehydes (Detected by Pre-Column Method with DNPH)



Conditions

System : Chromaster HPLC system (HITACHI)
Column : Inertsil ODS-HL (GL Sciences Inc.)
 (5 μ m, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-87132
Eluent : A) CH₃CN
 B) H₂O
 A/B = 70/30, v/v
Flow Rate : 1.0 mL/min
Col. Temp. : 40 °C
Detection : UV 360 nm
Injection Vol. : 20 μ L
Sample : Standard

Analyte:

1. DNPH-Formaldehyde
 2. DNPH-Acetaldehyde
 3. DNPH-Acetone
 4. DNPH-Acrolein
 5. DNPH-Propionaldehyde
 6. DNPH-Crotonaldehyde
 7. DNPH-Methacrolein
 8. DNPH-Methylethylketone
 9. DNPH-*n*-Butyraldehyde
 10. DNPH-Benzaldehyde
 11. DNPH-*n*-Valeraldehyde
 12. DNPH-*m*-Tolualdehyde
 13. DNPH-Hexanal

(150 μ g/L each)