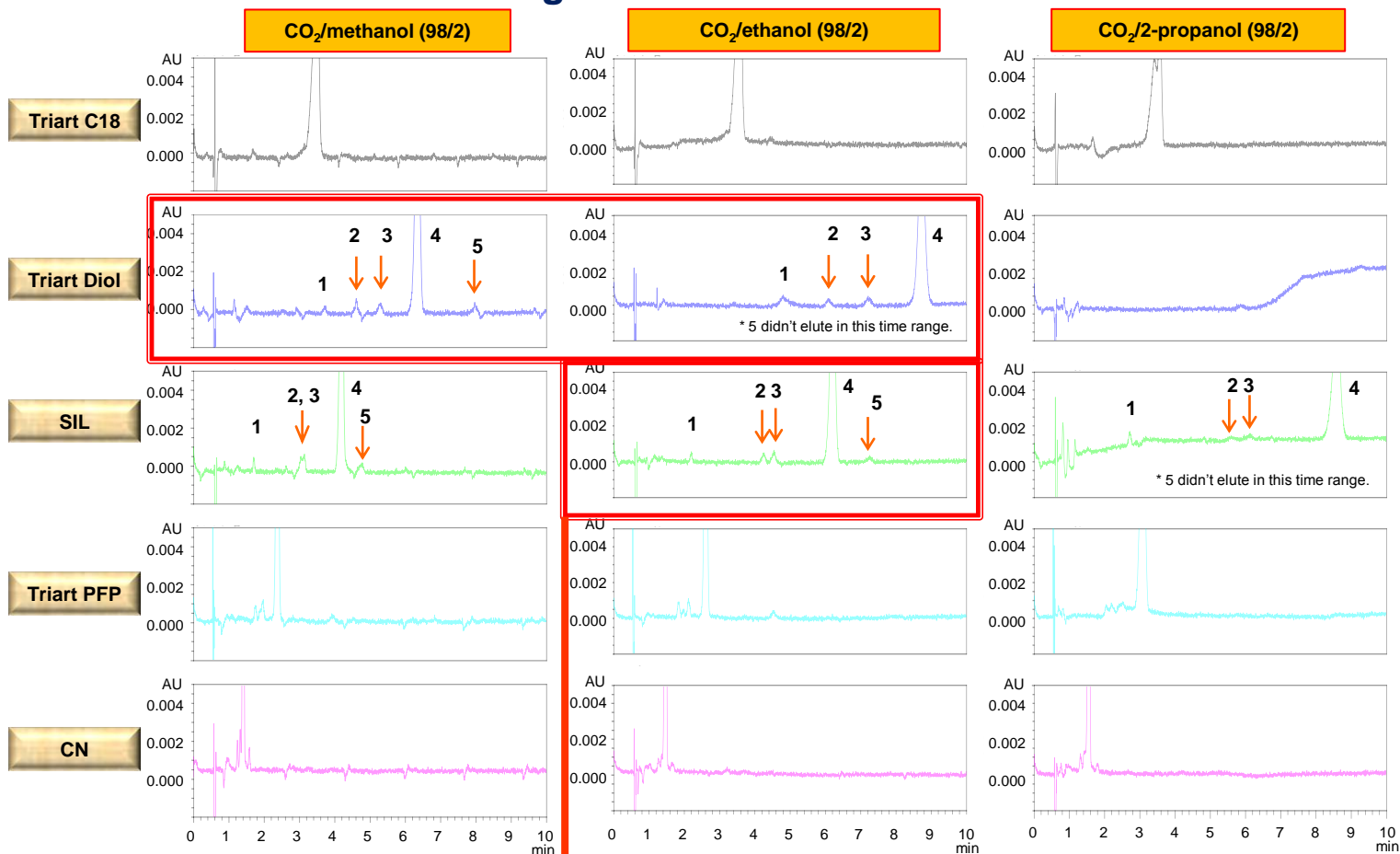
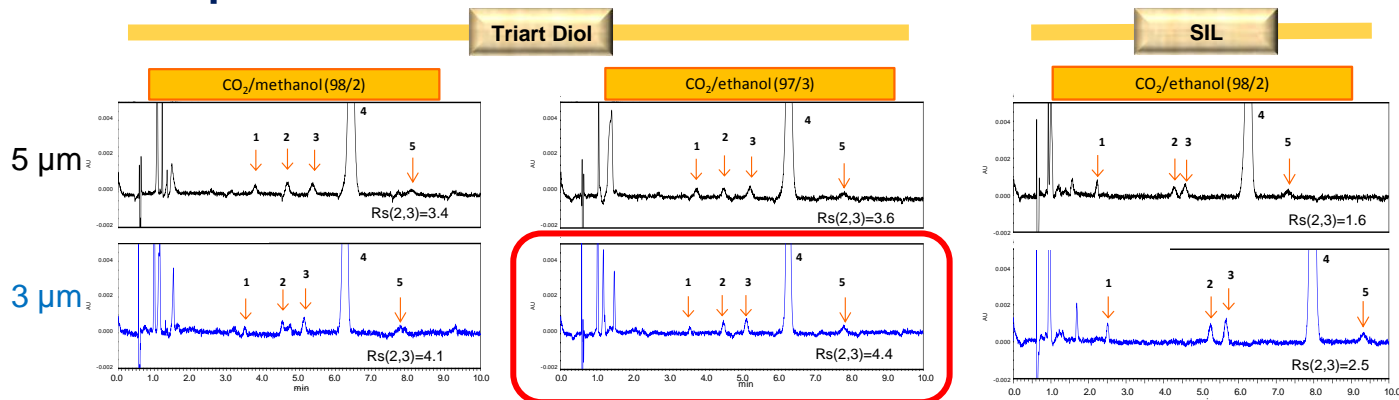


1st STEP <Method Scouting>

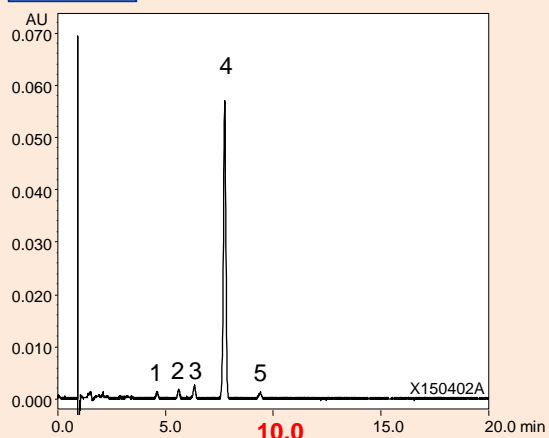


↓ Modifier ratio and particle size optimization

2nd STEP <Optimization>



SFC



Fine tuning of the separation method from the condition using combination of Triart Diol 3 μm and CO₂/ethanol as a mobile phase was conducted. Column dimension, mobile phase composition and column temperature were optimized. The final condition and SFC chromatogram obtained with this new method are shown.

Condition

Column : Alcyon SFC Triart Diol (3 μm, 12 nm) 250 X 4.6 mm I.D.
 Eluent : CO₂/ethanol (96/4)
 Flow rate : 3.0 mL/min
 Temperature : 40°C
 Detection : UV at 254 nm
 Back pressure : 13.8 MPa (2000 psi)
 Injection : 20 μL