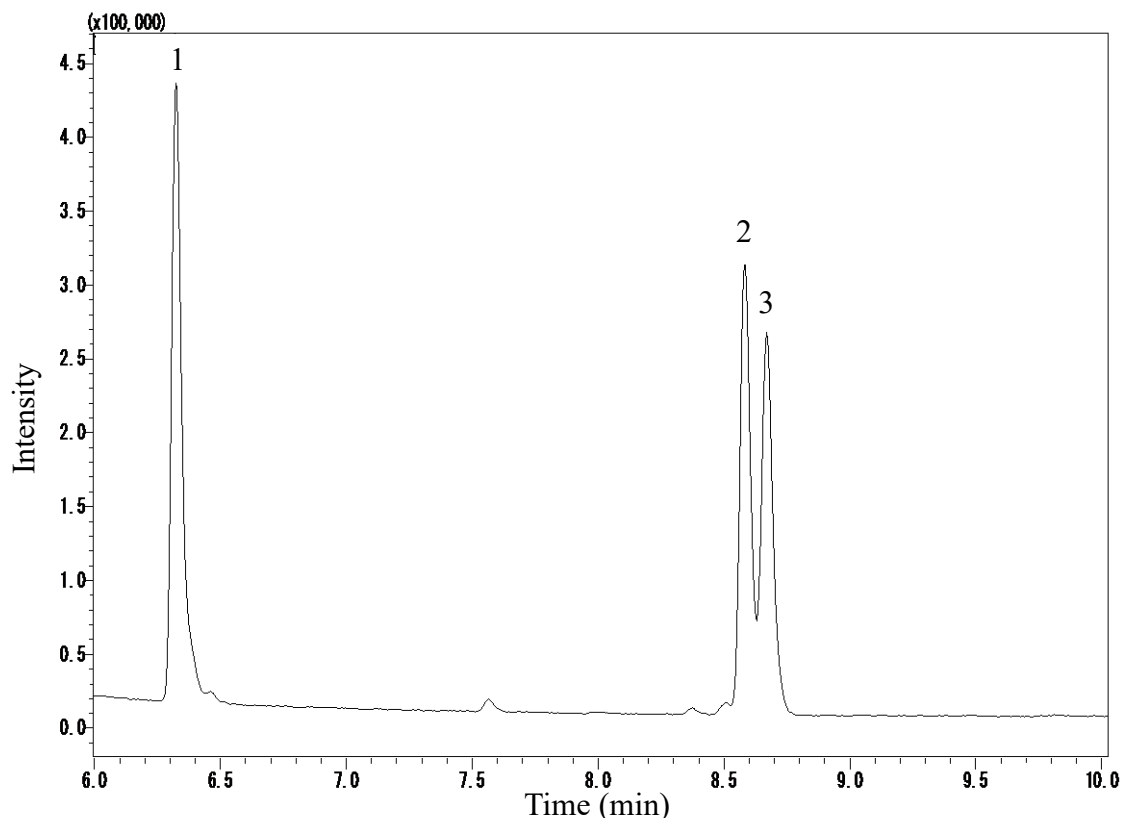


Analysis of 1,4-Dioxane (Under the Condition of the EPA Method 522)



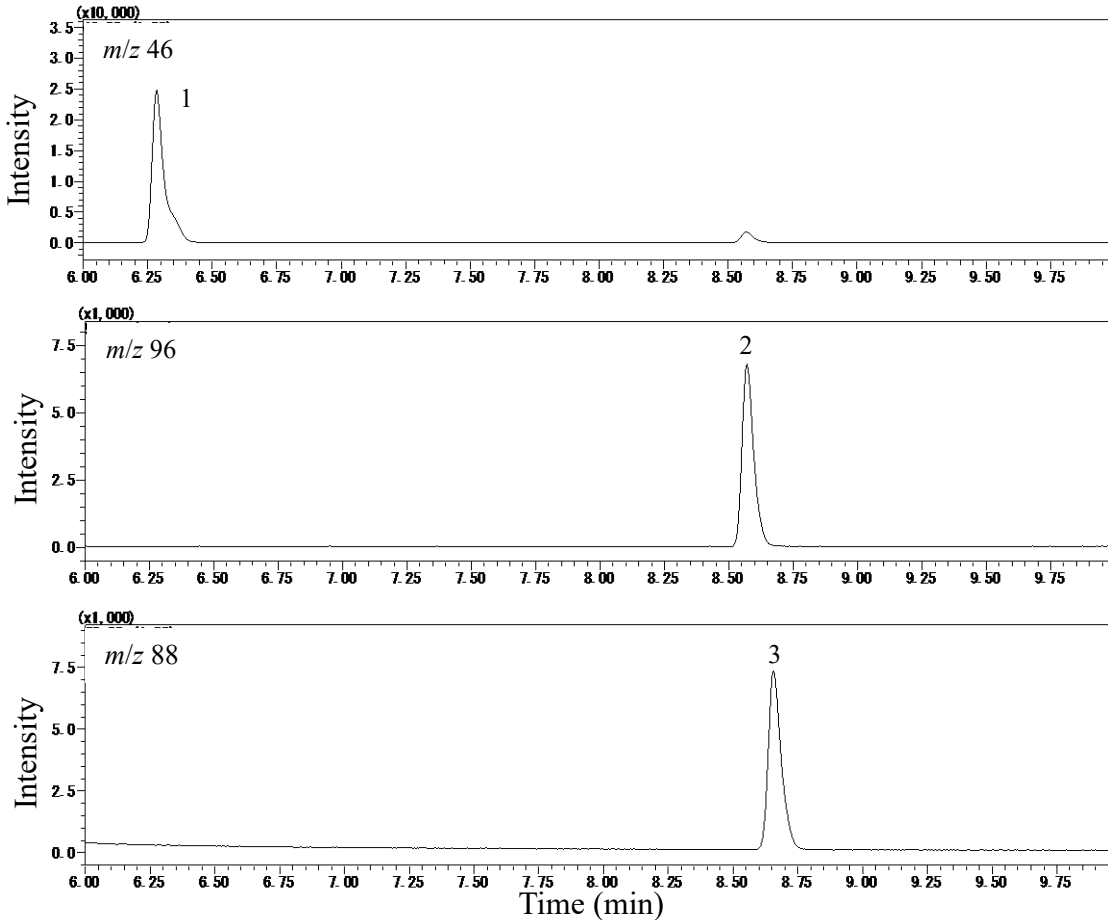
Conditions

System : GC-MS system
Column : InertCap 624 MS (GL Sciences Inc.)
 0.25 mm I.D. x 30 m df = 1.4 μ m
Col. Cat. No. : 1010-64646
Column Temp. : 35 °C (1 min) - 7 °C/min - 90 °C
 - 20 °C/min - 200 °C (3 min)
Carrier Gas : He 36 cm/sec
Injection : Splitless 0.5 min
 200 °C
Detection : GC/MS Scan [m/z = 45-180]
 Interface Temp. 200 °C
 Ion Source Temp. 200 °C
Injection Vol. : 1 μ L
Sample : Standard

Analyte :
 1. Tetrahydrofuran-d8 (I.S.) 5 ppm (v/v)
 2. 1,4-Dioxane-d8 5 ppm (v/v)
 3. 1,4-Dioxane 5 ppm (v/v)
 Sol. in Dichloromethane

Analysis of 1,4-Dioxane

(Under the Condition of the EPA Method 522)



Conditions

System : GC-MS system
Column : InertCap 624 MS (GL Sciences Inc.)
 0.25 mm I.D. x 30 m df = 1.4 µm
Col. Cat. No. : 1010-64646
Column Temp. : 35 °C (1 min) - 7 °C/min - 90 °C
 - 20 °C/min - 200 °C (3 min)
Carrier Gas : He 36 cm/sec
Injection : Splitless 0.5 min
 200 °C
Detection : GC/MS SIM [*m/z*= 46, 88, 96]
 Interface Temp. 200 °C
 Ion Source Temp. 200 °C
Injection Vol. : 1 µL
Sample : Standard

Analyte :
 1. Tetrahydrofuran-d8 (I.S.) 0.5 ppm (v/v)
 2. 1,4-Dioxane-d8 0.5 ppm (v/v)
 3. 1,4-Dioxane 0.5 ppm (v/v)
 Sol. in Dichloromethane