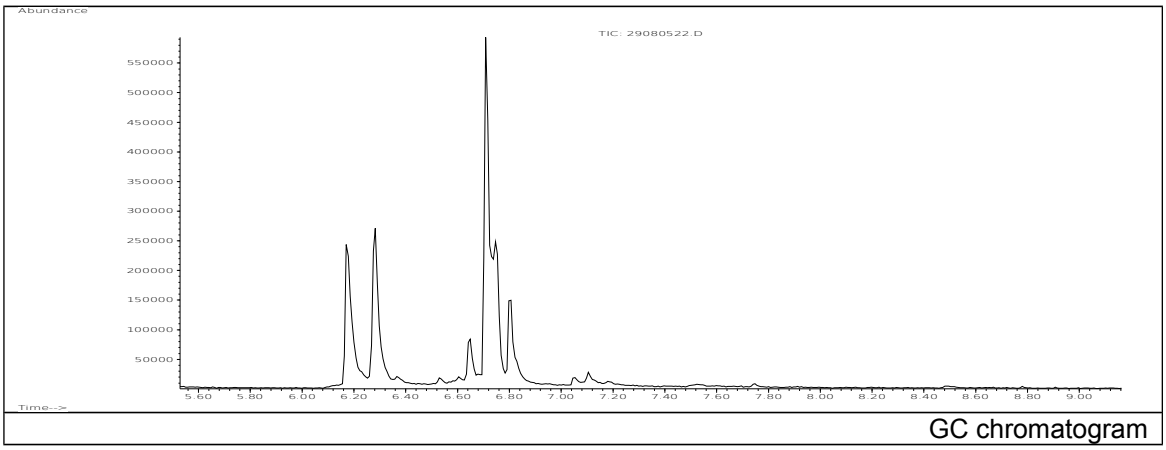
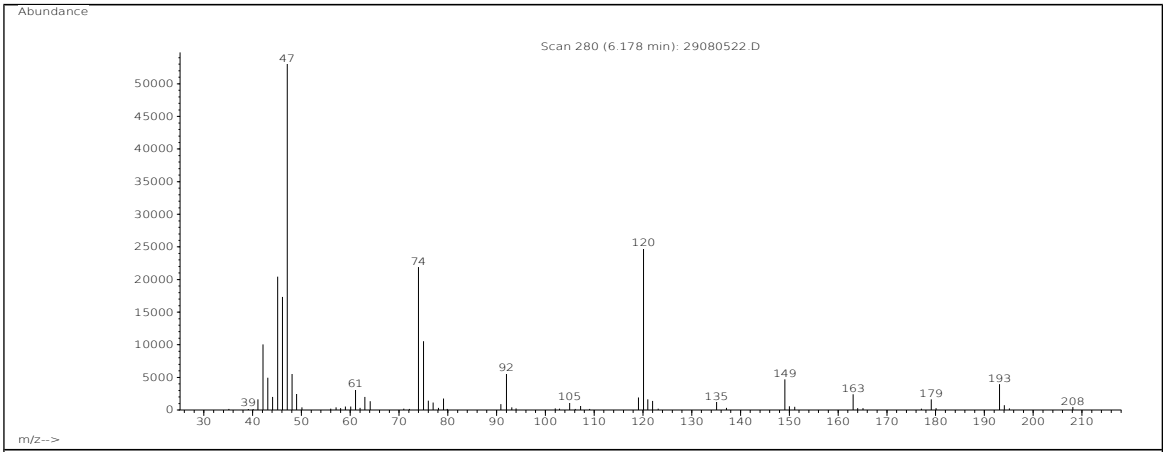
JRC CRL – FCM
Database / GC-MS

Sample Name: Di-n-octyltin bis(isooctyl mercaptoacetate) + Mono-n-octyltin tris(isooctyl mercaptoacetate)
Solvent: Ethanol CAS: 026401-97-8; 026401-86-5
Concentration: 100 µg/mL PM ref: 50480+67760 [U.R.N. A096]



GC chromatogram



MS spectrum

m/z	Abundance	Ion Intensity %	m/z	Abundance	Ion Intensity %
42.10	10053,0	18,34	74.00	21904,0	39,96
43.10	4947,0	9,03	75.00	10537,0	19,23
45.10	20448,0	37,31	92.00	5559,0	10,14
46.10	17320,0	31,60	120.10	24792,0	45,23
47.10	54808,0	100,00	149.10	4702,0	8,58
48.10	5517,0	10,07	163.10	2428,0	4,43
49.00	2454,0	4,48	193.10	3974,0	7,25
61.10	3132,0	5,71			

Spectrometer: HEWLETT PACKARD GC/MS 6890/5973
Inlet system: capillary GC/MS
Scan Range: 40-700 amu
Source temperature: 230 °C

Flow: 1.2 mL/min
Column: DB 17-HT (30 m x 0.25 mm x 0.15 µm)
Programme temperature: 40 °C (3 min); 20 °C/min (350 °C); 350 °C (20 min)

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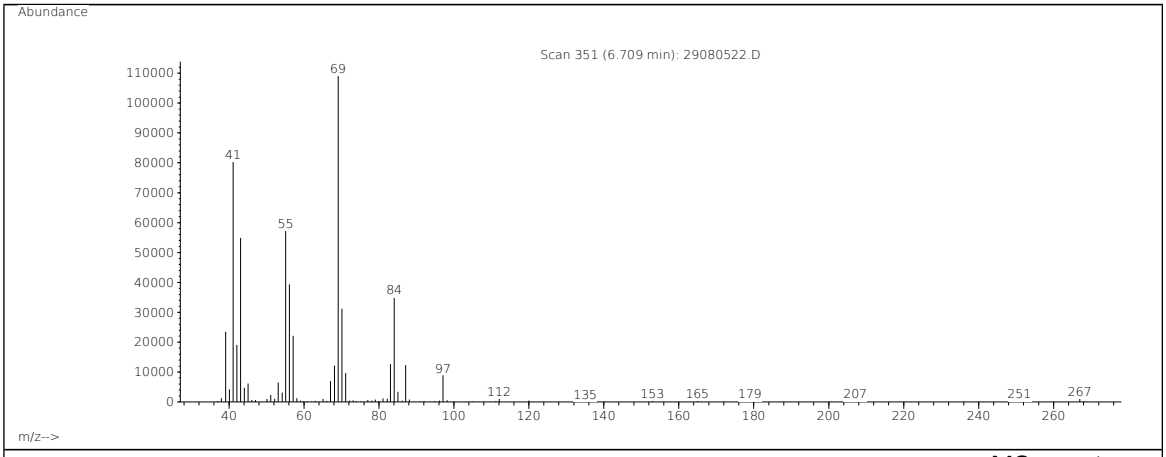

MS spectrum

m/z	Abundance	Ion Intensity %	m/z	Abundance	Ion Intensity %
39.10	16205,0	20,61	69.10	78640,0	100,00
41.10	58560,0	74,47	70.10	28160,0	35,81
42.10	14147,0	17,99	71.10	7479,0	9,51
43.10	43200,0	54,93	83.10	13199,0	16,78
55.10	48872,0	62,15	84.10	30568,0	38,87
56.10	30632,0	38,95	87.10	7408,0	9,42
57.10	17312,0	22,01	97.10	6180,0	7,86
68.10	7234,0	9,20			

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Scan Range: 40-700 amu
Source temperature: 230 °C

Flow: 1.2 mL/min
Column: DB 17-HT (30 m x 0.25 mm x 0.15 µm)
Programme temperature: 40 °C (3 min); 20 °C/min (350 °C); 350 °C (20 min)