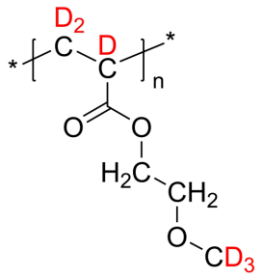
Sample Name:
Deuterated Poly(2-methoxyethyl acrylate-d6)
or
Deuterated Poly(d6-Methoxy ethylene glycol-acrylate)

Sample #: **P43833F-d6MeOEA**

Structure:



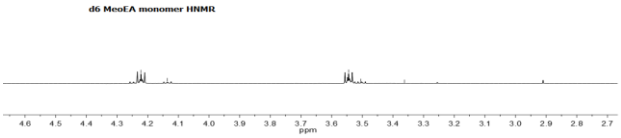
Composition:

Mn x 10^3	PDI
8	1.3

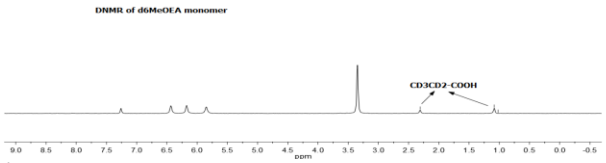
Synthesis Procedure:
The polymer was synthesized by Radical polymerization process using AIBN catalyst.

Characterization:
The product was characterized by size exclusion chromatography (SEC), ^{1}H NMR and ^{2}H NMR data analysis.

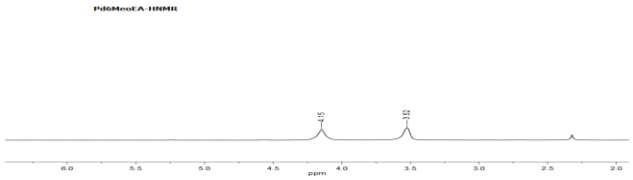
^{1}H-NMR spectrum of the monomer:



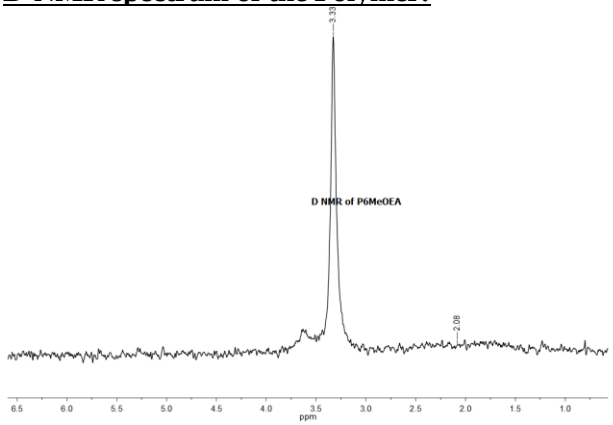
D-NMR spectrum of the monomer:



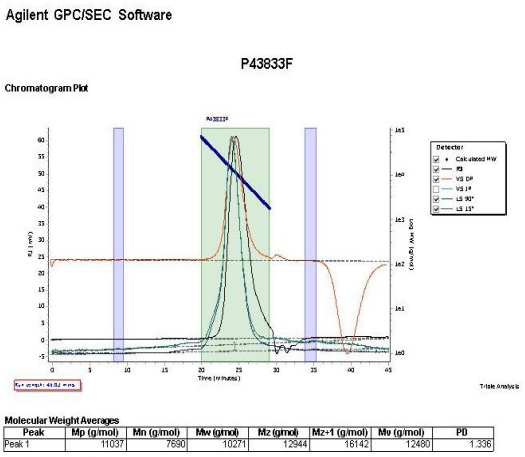
^{1}H-NMR spectrum of the polymer:



D-NMR spectrum of the Polymer:



SEC elugram of Homopolymer:



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	11037	7690	10271	12944	16142	12480	1.336