

MS/MS Parameters of Pesticides

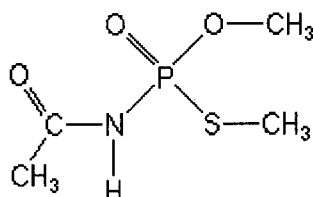
Analyte: Acephate

CAS No.: 30560-19-1

Formula: C₄H₁₀NO₃PS

Molecular mass (lowest isotopes): 183,01 amu

Structure:



Ionisation: ESI +

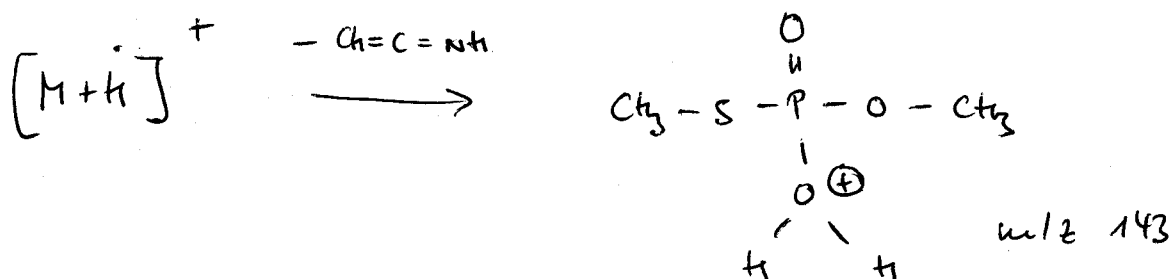
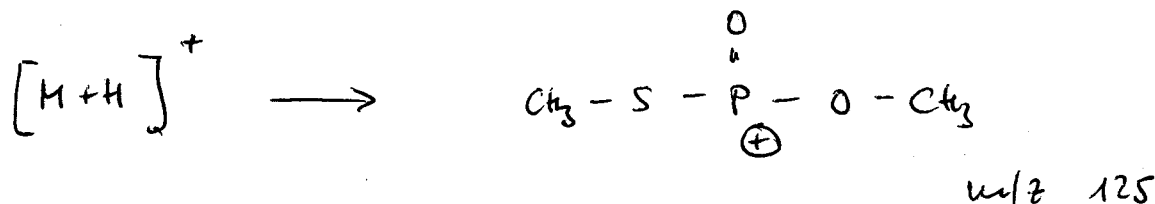
Quasimolecular ion: 184,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

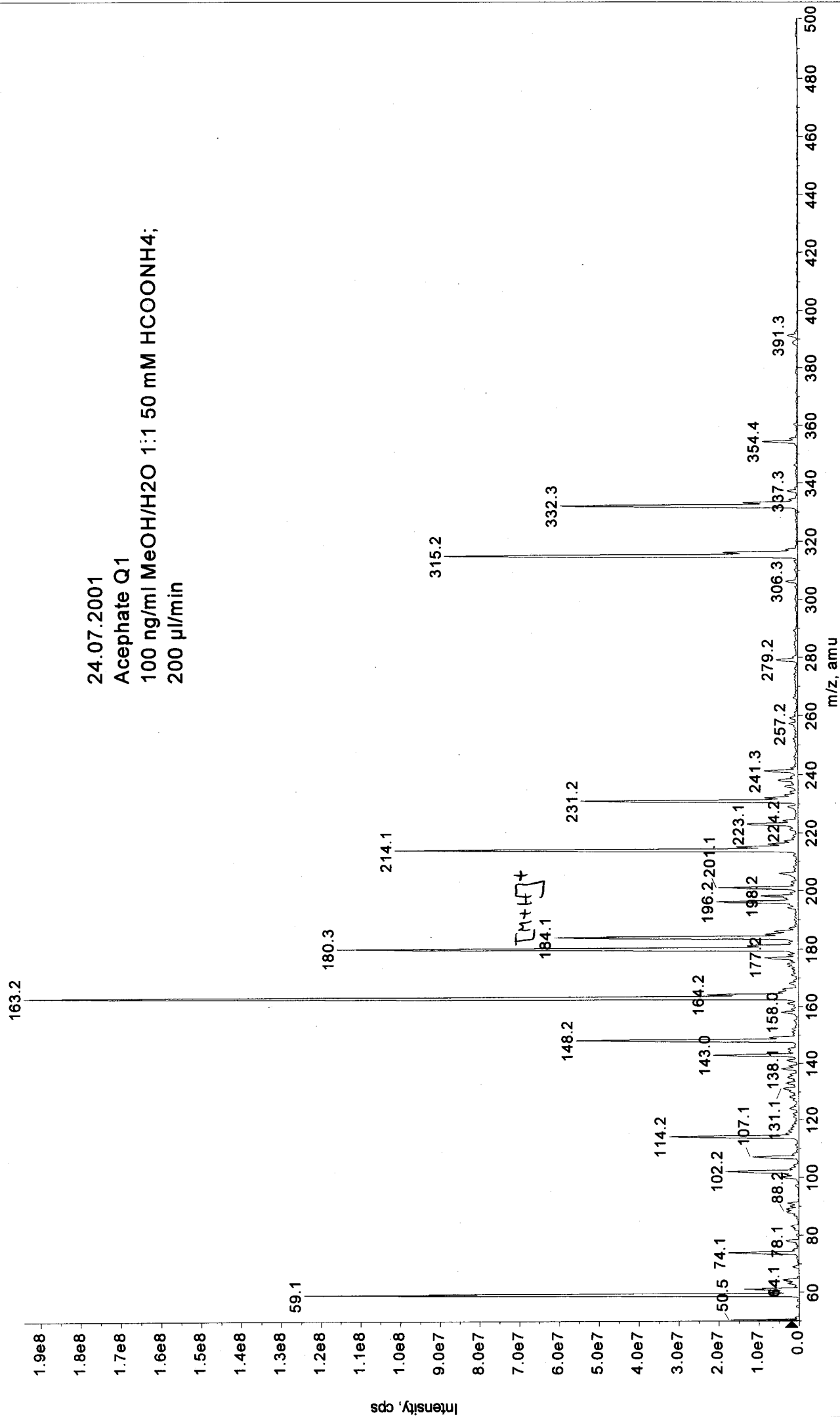
Transition	184,1 → 124,9	184,1 → 142,9
Declustering potential (DP) ^{*)}	6V	6 V
Focusing potential (FP)	360 V	350 V
Entrance potential (EP)	10,0 V	8,5 V
Collision cell entrance potential (CEP)	10 V	12 V
Collision energy (CE)	25 V	13 V
Collision cell exit potential (CXP)	6 V	8 V

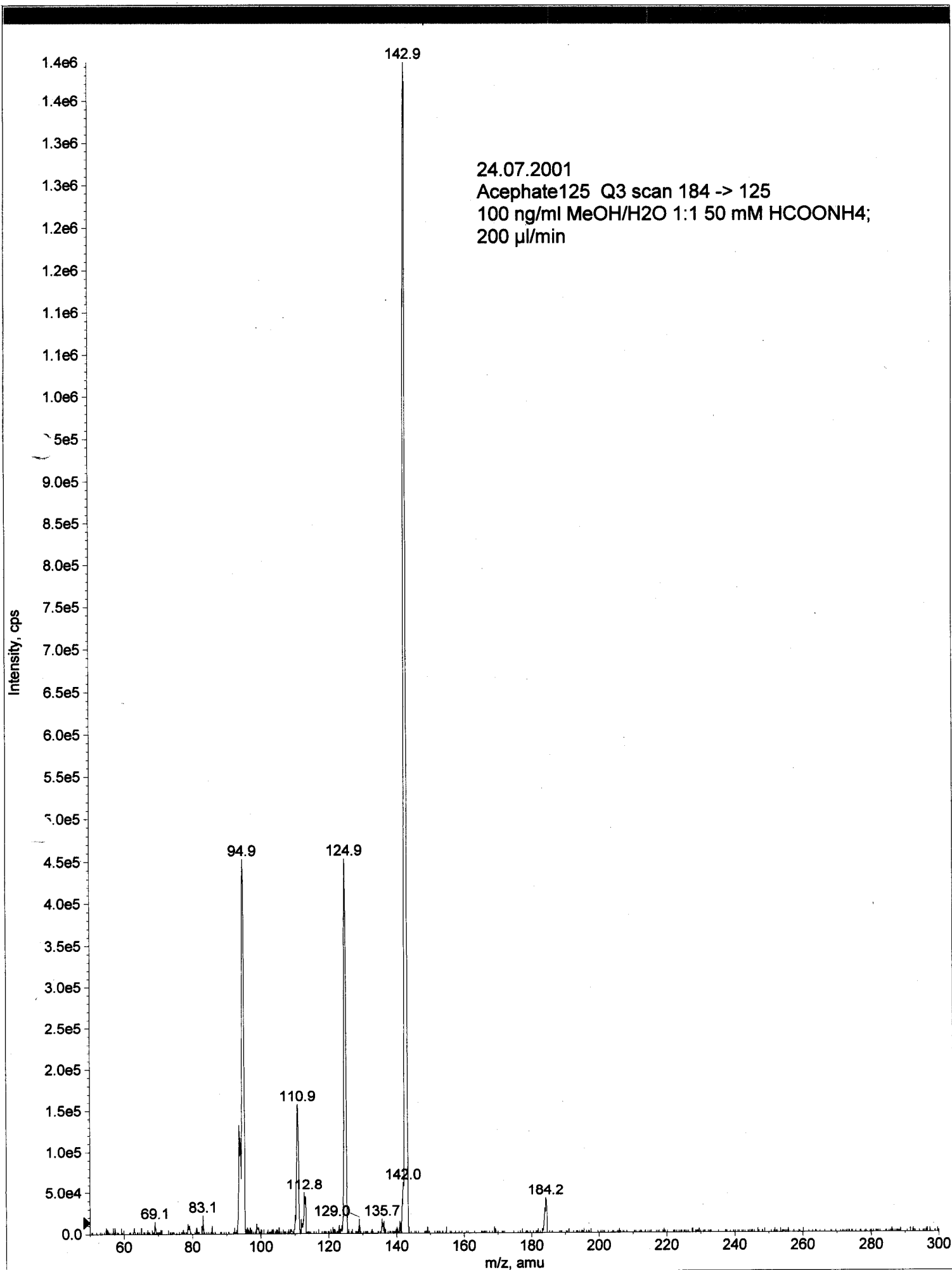
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation



24.07.2001
Acephate Q1
100 ng/ml MeOH/H2O 1:1 50 mM HCOONH4;
200 µl/min





24.07.2001
Acephate Q3 scan 184 -> 143
100 ng/ml MeOH/H₂O 1:1 50 mM HCOONH₄;
200 µl/min

