

## MS/MS Parameters of Pesticides

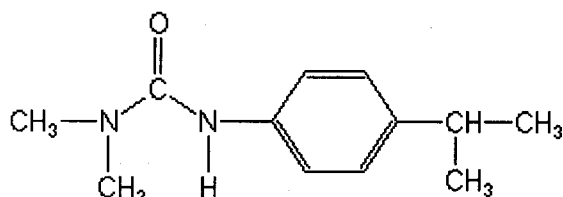
### Analyte: Isoproturon

CAS No.: 34123-59-6

Formula: C<sub>12</sub>H<sub>18</sub>N<sub>2</sub>O

Molecular mass (lowest isotopes): 206,14 amu

Structure:



Ionisation: ESI +

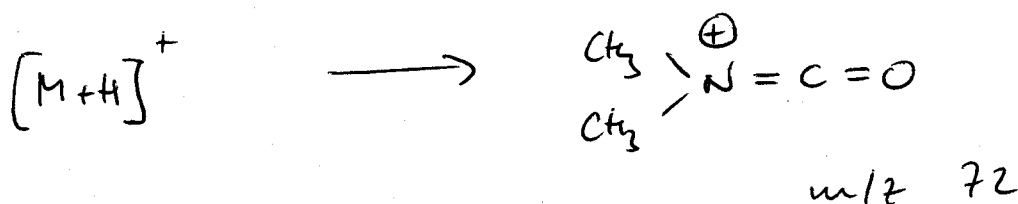
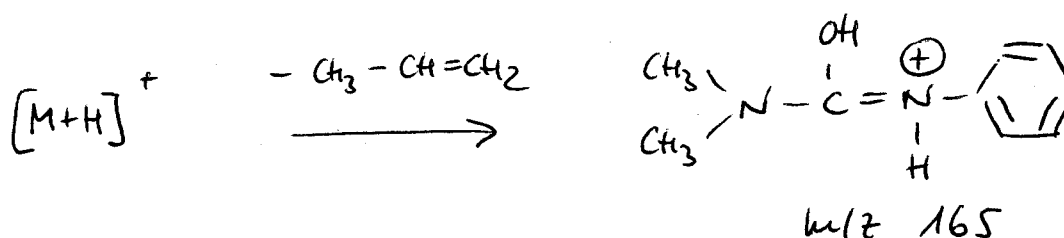
Quasimolecular ion: 207,1 amu = [M+H]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

Transition	207,1 → 165,2	207,1 → 72,0
Declustering potential (DP) <sup>*)</sup>	46 V	46 V
Focusing potential (FP)	350 V	350 V
Entrance potential (EP)	10,5 V	11,5 V
Collision cell entrance potential (CEP)	14 V	12 V
Collision energy (CE)	19 V	33 V
Collision cell exit potential (CXP)	10 V	10 V

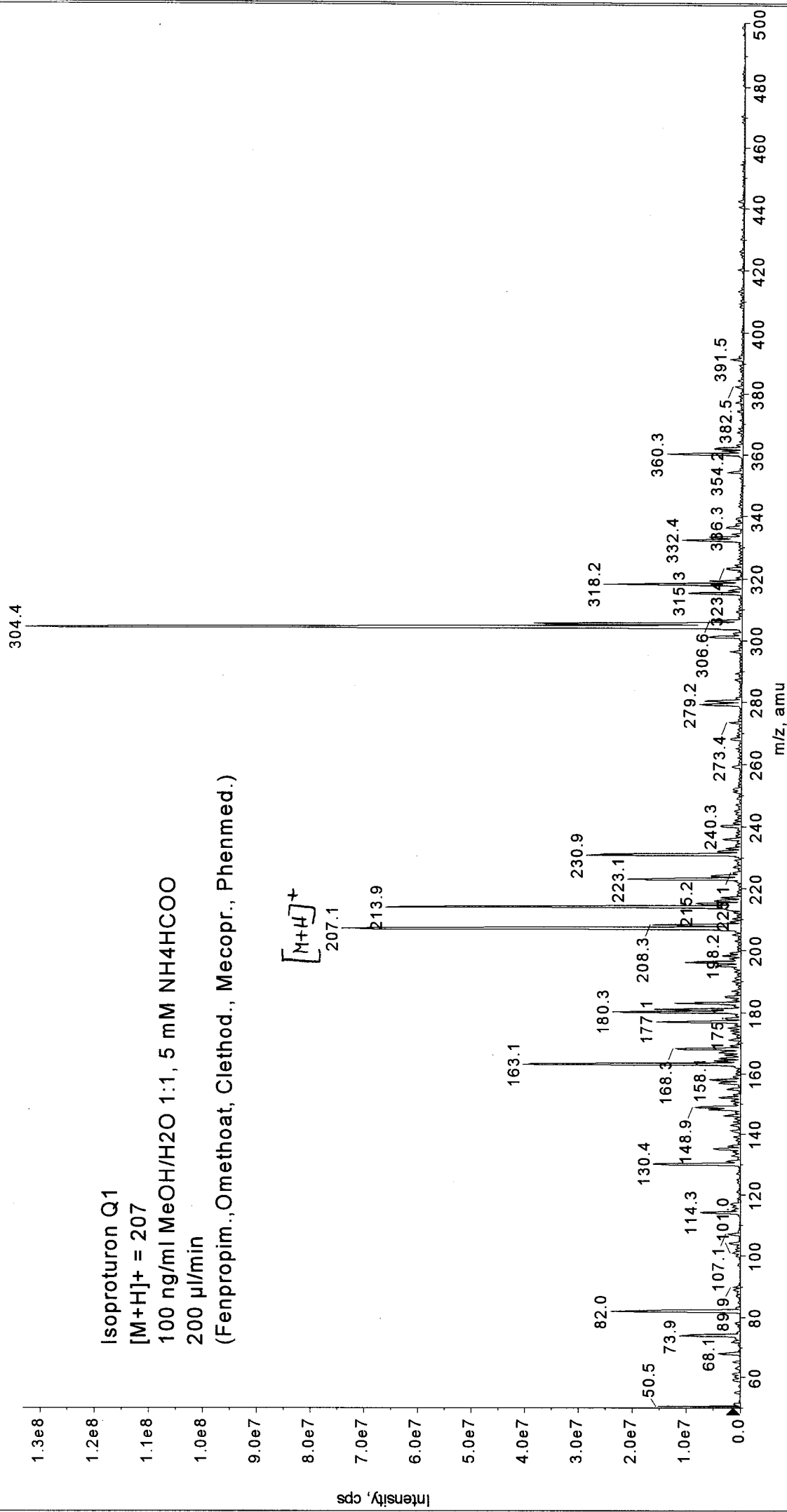
<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

### Fragmentation

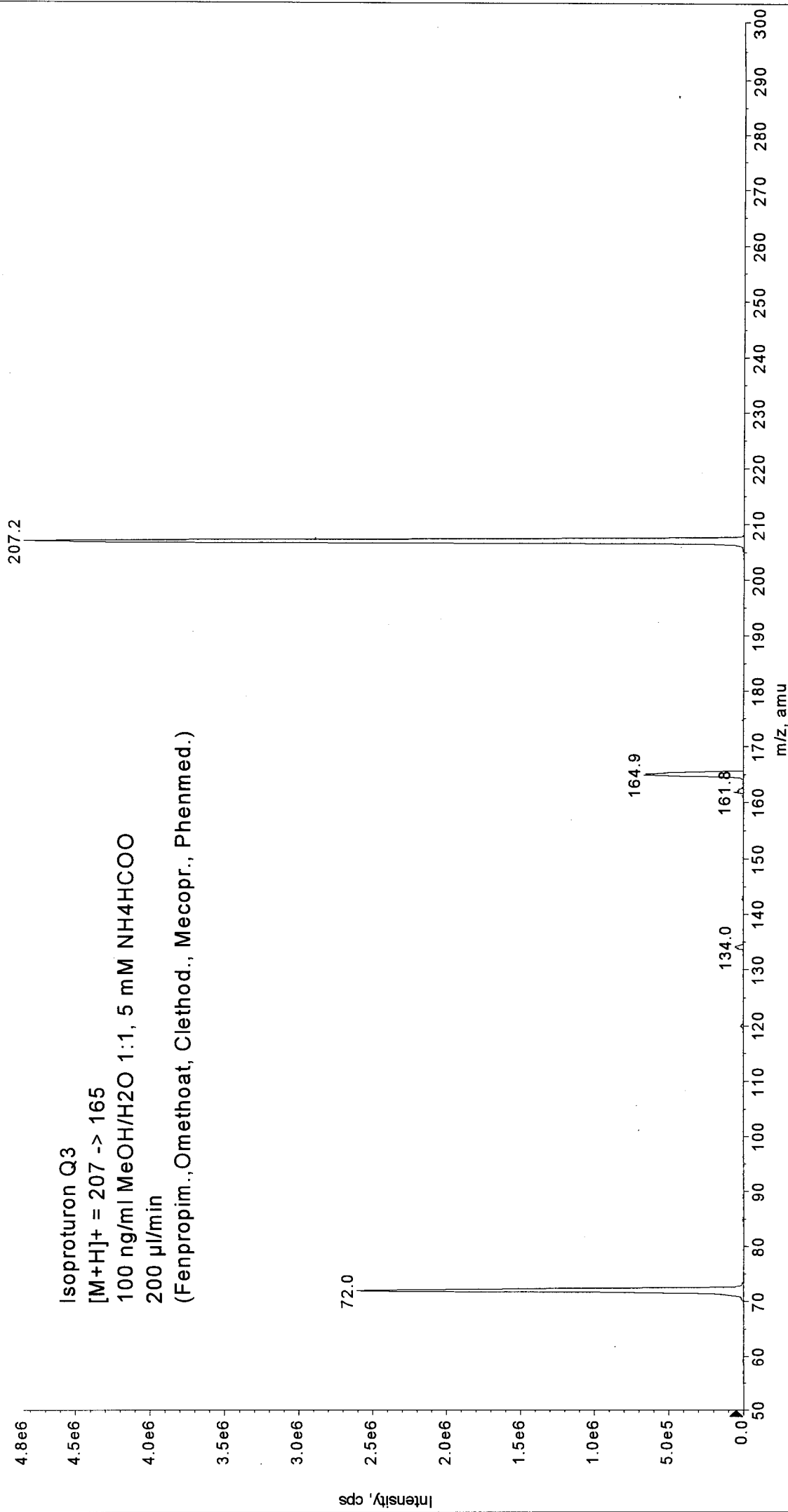


+Q1: 30 MCA scans from Sample 1 of MT20020125105230.wiff

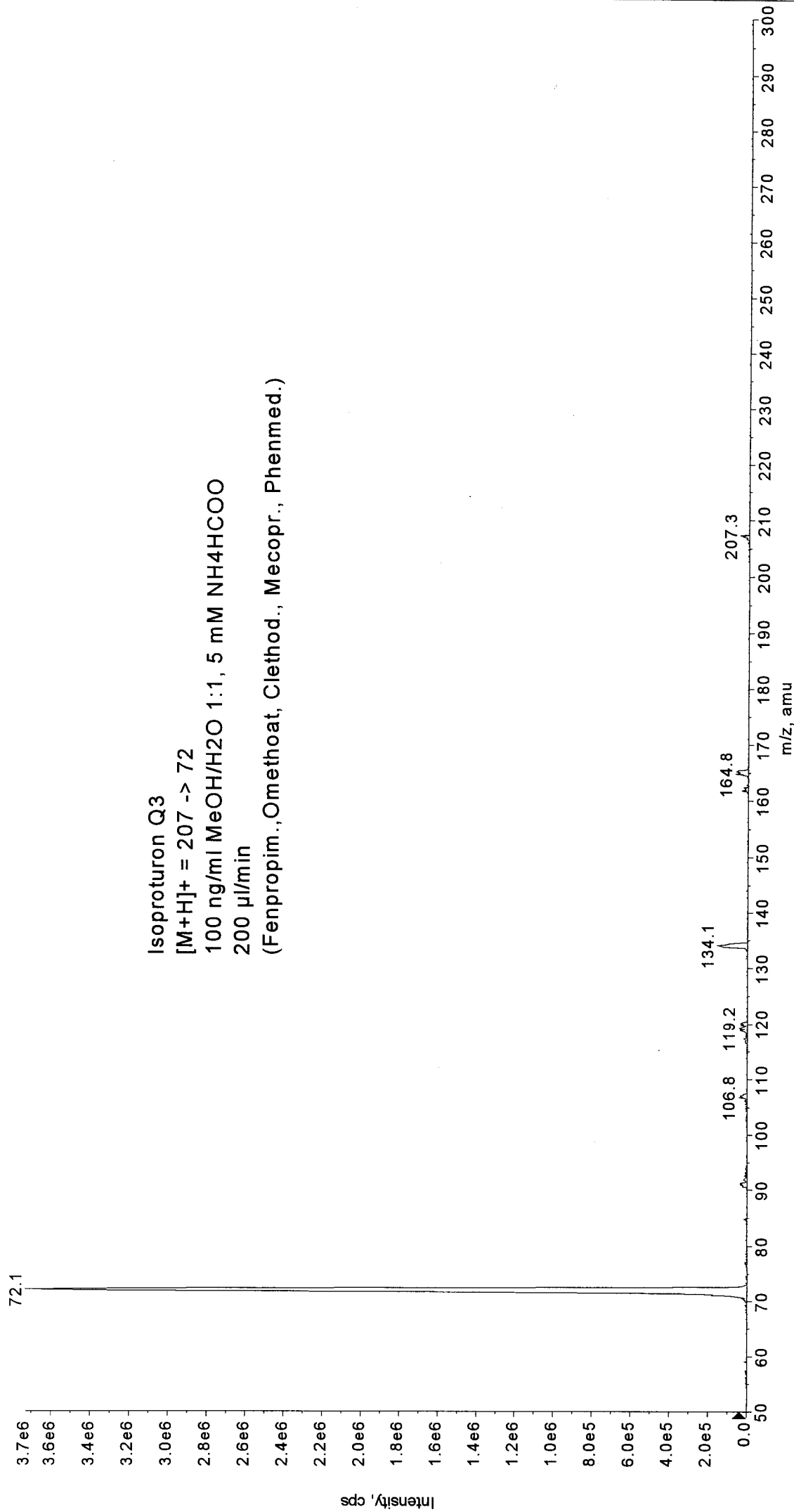
Max. 1.3e5 cps



+Product (207.0): 30 MCA scans from Sample 1 of MT20020125105433.wiff Max 4.8e6 cps



\*Product (207.0): 30 MCA scans from Sample 1 of MT20020125110412.wiff Max. 3.7e6 cps



Isoproturon Q3  
[M+H]<sup>+</sup> = 207 -> 72  
100 ng/ml MeOH/H<sub>2</sub>O 1:1, 5 mM NH<sub>4</sub>HCOO  
200 µl/min  
(Fenpropim., Omethoat, Clethod., Mecopr., Phenmed.)