

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

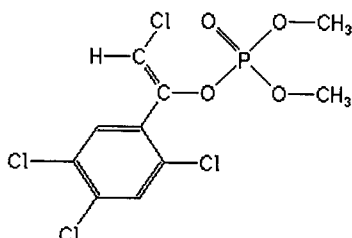
### Analyte: Tetrachlorvinphos

CAS No.: 22248-79-9

Formula: C<sub>10</sub>H<sub>9</sub>Cl<sub>4</sub>O<sub>4</sub>P

Molecular mass (lowest isotopes): 363,90 amu

Structure:



Ionisation: ESI +

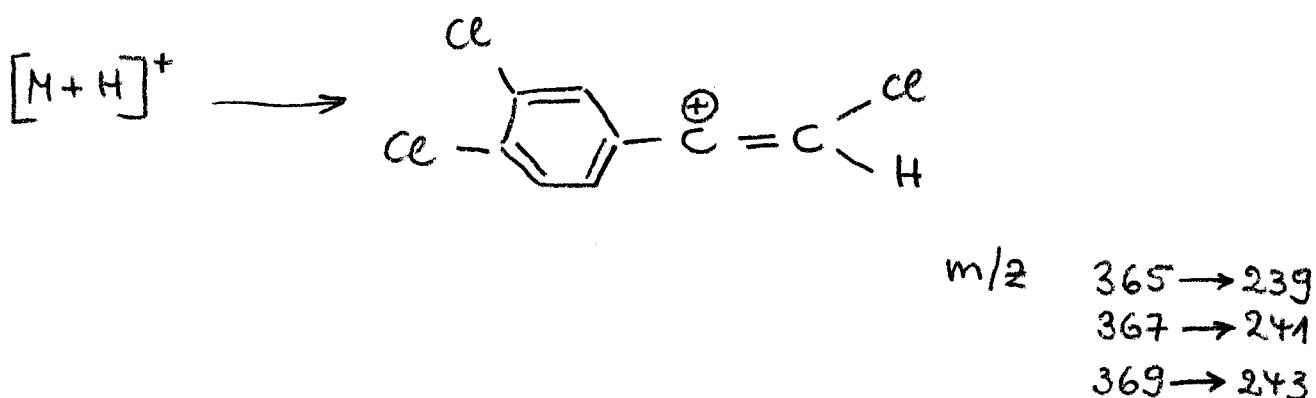
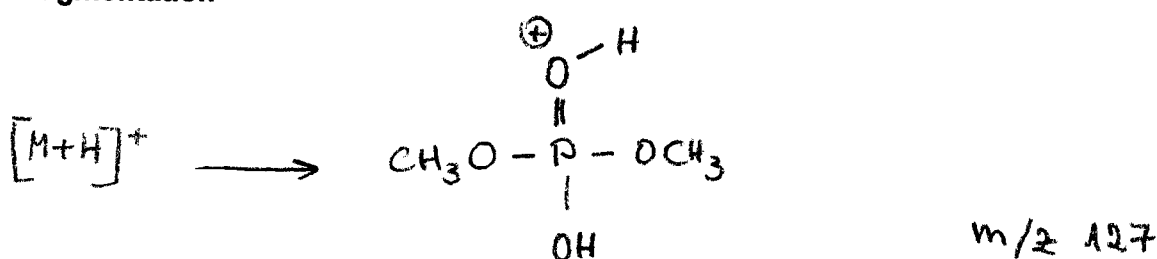
Quasimolecular ion: 366,9 amu = [M+H]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

Transition	366,9 → 127,1	366,9 → 241,0
Declustering potential (DP) <sup>*)</sup>	46 V	46 V
Focusing potential (FP)	360 V	330 V
Entrance potential (EP)	10,5 V	10,5 V
Collision cell entrance potential (CEP)	22 V	22 V
Collision energy (CE)	21 V	27 V
Collision cell exit potential (CXP)	6 V	12 V

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

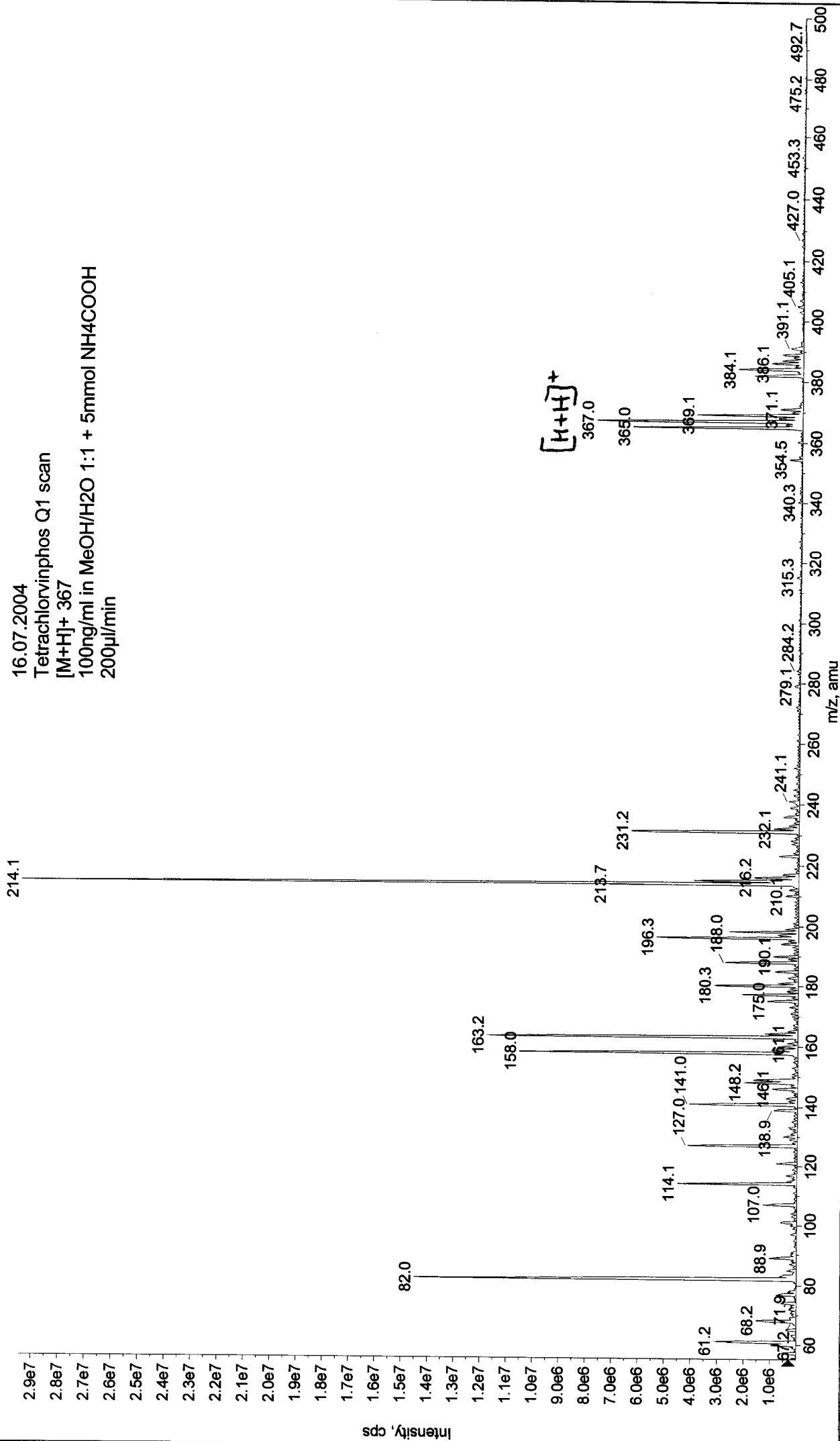
### Fragmentation



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040716111735.wiff (Turbo Spray)

Max. 2.9e7 cps

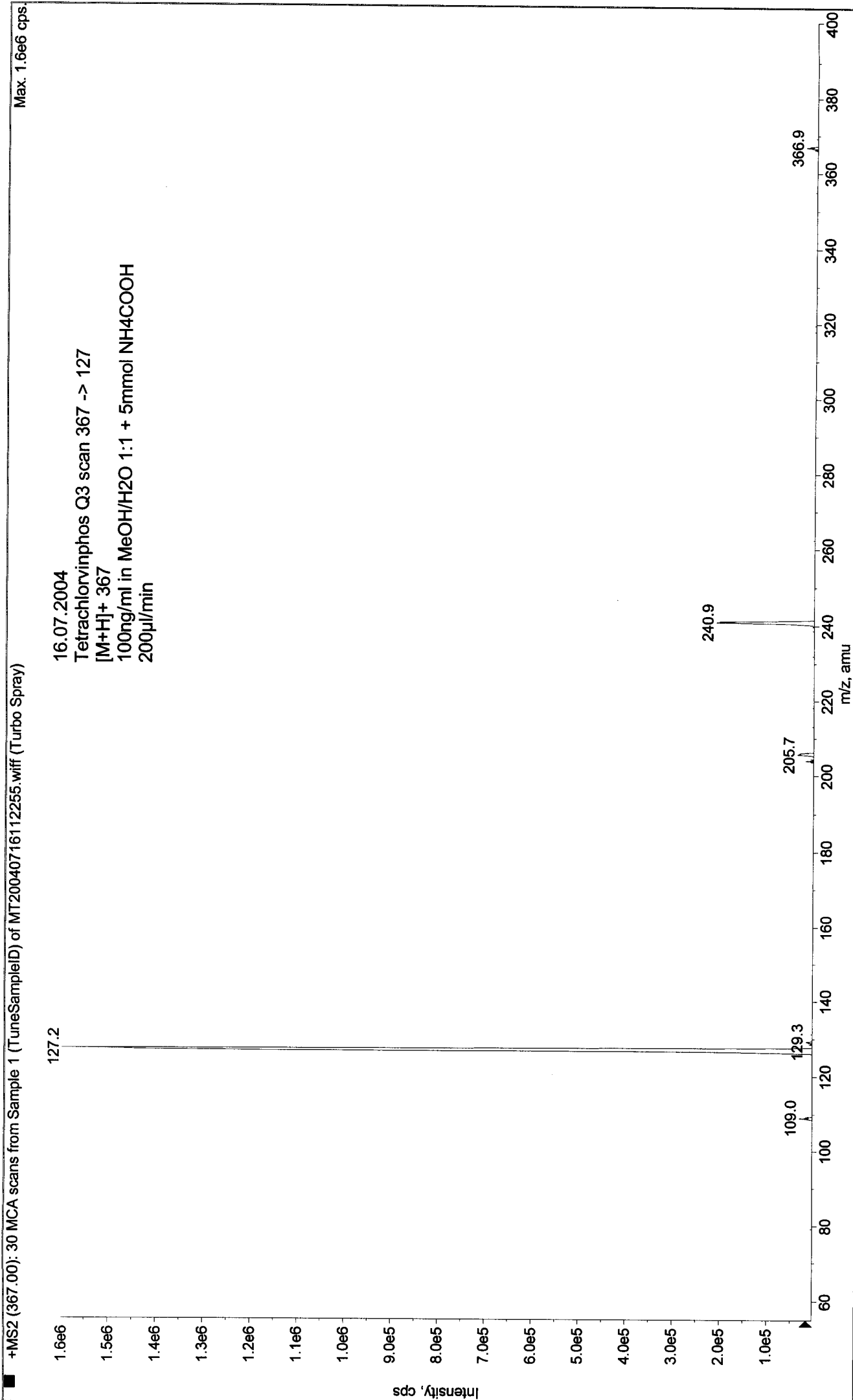
16.07.2004  
Tetrachlorvinphos Q1 scan  
[M+H]<sup>+</sup> 367  
100ng/ml in MeOH/H<sub>2</sub>O 1:1 + 5mmol NH<sub>4</sub>COOH  
200µl/min



Printing Time: 11:24:04  
Printing Date: Friday, July 16, 2004

Acq Time: 11:22  
Acq Date: Friday, July 16, 2004  
Acq File: MT20040716112255.wiff

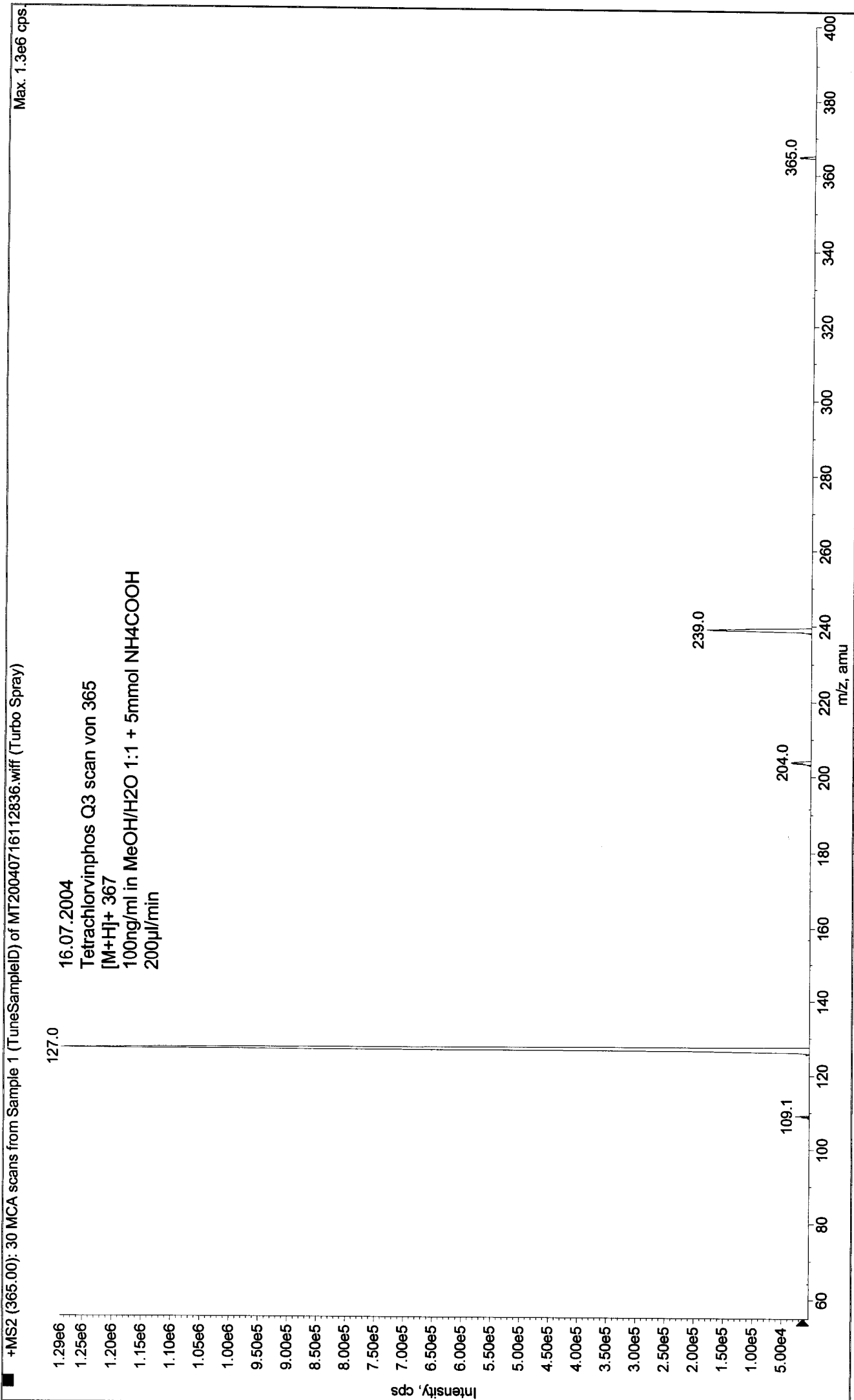
Sample Comment:  
Sample Name: TuneSampleID  
Batch Name: ManualTune.bat



Printing Time: 11:29:36  
Printing Date: Friday, July 16, 2004

Acq Time: 11:28  
Acq Date: Friday, July 16, 2004  
Acq File: MT20040716112836.wiff

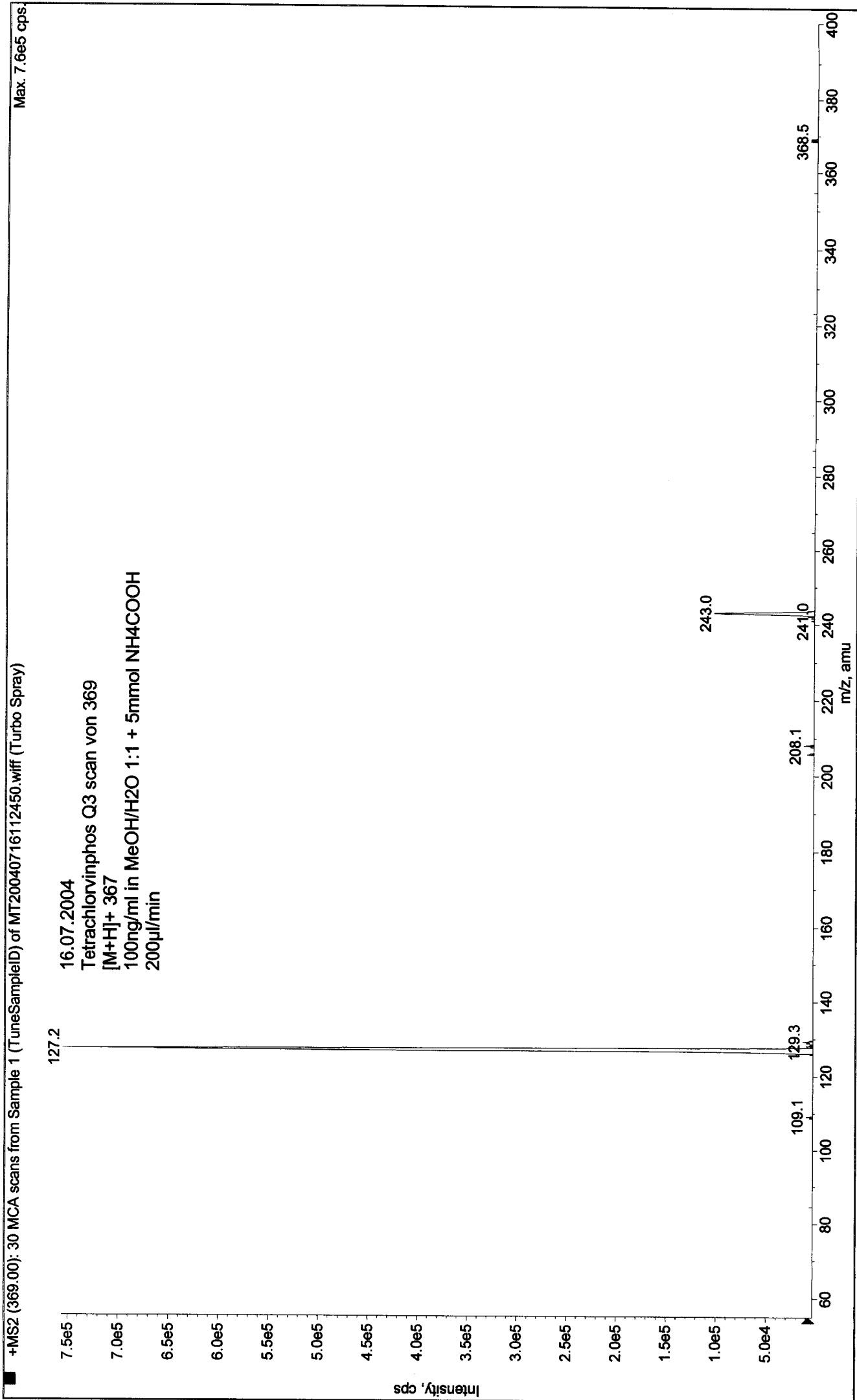
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Batch Name: ManualTune.bat



Printing Time: 11:28:16  
Printing Date: Friday, July 16, 2004

Acq. Time: 11:24  
Acq. Date: Friday, July 16, 2004  
Acq. File: MT20040716112450.wiff

Sample Comment:  
Sample Name: TuneSampleID  
Batch Name: ManualTune.bat



Printing Time: 11:43:30  
Printing Date: Friday, July 16, 2004

Acq Time: 11:41  
Acq Date: Friday, July 16, 2004  
Acq File: MT20040716114145.wiff

Sample Comment:  
Sample Name: TuneSampleID  
Batch Name: ManualTune.bat

+MS2 (367.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040716114145.wiff (Turbo Spray) Max. 9.2e5 cps

