



EURL-FV



PESTICIDE RESIDUES IN
FRUITS AND VEGETABLES

Accurate Mass Pesticide Database
(updated 2017)



1. Scope

This report shows a database of 241 pesticides by using gas chromatography high resolution mass spectrometry (GC-HRMS).

2. Analytical conditions for the GC-HRMS

Settings for gas chromatography:

- Inlet: splitless mode
- Inlet temperature: 280 °C
- Injection volume: 2 µL
- Constant flow: 1.2 mL/min
- Ionization: Electron impact
- Electron energy 70 ev
- Carrier gas: Helium
- Two online columns: HP-5MSUI (15m x 0.250mm x 0.250µm)
- Oven gradient:

Rate (°C/min)	Time (min)	Hold Time (min)	T (°C)
	60	1	1
40	120	0	2.5
5	310	0	40.5

NOTE

IF YOU NEED THIS DATABASE IN .csv, .xls, ... PLEASE, CONTACT WITH

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3. GC-HRMS Database

Compound	Molecular Formula	Retention Time (min)	Theoretical Mass
1-Naphthol	C9H7	10.51	115.0548
1-Naphthol F1	C10H8O	10.51	144.0575
1-Naphthol F2	C7H5	10.51	89.0391
2,3,5-Trimethacarb	C8H9O	13.49	121.0653
2,3,5-Trimethacarb F1	C9H12O	13.49	136.0888
2,3,5-Trimethacarb F2	C7H7	13.49	91.0548
2,3,5-Trimethacarb F3	C6H5	13.49	77.0391
2,4,6-Trichlorophenol	C6H3Cl3O	7.79	195.9249
2,4,6-Trichlorophenol F1	C5H2Cl	7.79	96.9843
2,4,6-Trichlorophenol F2	C5H2Cl2	7.79	131.9533
2,4,6-Trichlorophenol F3	C6H2Cl2O	7.79	159.9485
2-Methylphenol	C7H8O	4.10	108.0575
2-Methylphenol F1	C6H7	4.10	79.0548
2-Methylphenol F2	C7H6	4.10	90.0470
3,5-Dichloroaniline	C6Cl2H5N	8.60	160.9799
3,5-Dichloroaniline F1	C6ClH5N	8.60	126.0110
3,5-Dichloroaniline F2	C5ClH4	8.60	99.0001
3-Chloroaniline	C6ClH6N	5.68	127.0188
3-Chloroaniline F1	C5ClH5	5.68	100.0079
3-Chloroaniline F2	C6H6N	5.68	92.0500
Acephate	C3H7NO3P	9.10	136.0165
Acephate F1	CH5NO2P	9.10	94.0058
Acephate F2	CH4O2P	9.10	78.9950
Acephate F3	C2H6O2PS	9.10	124.9827
Acetamiprid	C7H5ClN2	27.91	152.0139
Acetamiprid F1	C6H5ClN	27.91	126.0111
Acetamiprid F2	C7H5ClN3	27.91	166.0167
Acetamiprid F3	C10H10ClN4	27.91	221.0594
Aclonifen	C12H9ClN2O3	24.94	264.0302
Aclonifen F1	C12H6N2O	24.94	194.0480
Aclonifen F2	C12H8N2O2	24.94	212.0586
Aclonifen F3	C12H9NO	24.94	183.0684
Acrinathrin	C13H9O	30.70	181.0653
Acrinathrin F1	C14H11NO	30.70	209.0846



Compound	Molecular Formula	Retention Time (min)	Theoretical Mass
Acrinathrin F2	C11H11F6O2	30.70	289.0663
Alachlor	C11H14N	18.42	160.1126
Alachlor F1	C10H12N	18.42	146.0969
Alachlor F2	C12H14NO	18.42	188.1075
Aldrin	C7Cl4[37Cl]H2	19.59	262.8569
Aldrin F1	C7H7	19.59	91.0547
Aldrin F2	C12Cl3H6	19.59	254.9535
Ametryn	C9H17N5S	18.47	227.1205
Ametryn F1	C8H14N5S	18.47	212.0970
Ametryn F2	C5H8N5S	18.47	170.0500
Aminocarb	C9H13NO	15.69	151.0997
Aminocarb F1	C8H10NO	15.69	136.0762
Aminocarb F2	C8H8O	15.69	120.0575
Aminocarb F3	C7H8O	15.69	108.0575
Amisulbrom	C9H6BrFN	32.66	225.9668
Amisulbrom F1	C9H6FN	32.66	147.0484
Amisulbrom F2	C8H12N3O2S	32.66	214.0650
Amisulbrom F3	C8H5F	32.66	120.0375
Amitraz	C9H10N	29.97	132.0813
Amitraz F1	C9H11N2	29.97	147.0922
Amitraz F2	C10H14N2	29.97	162.1157
Amitraz F3	C8H11N	29.97	121.0892
Anthraquinone	C14H8O2	19.56	208.0524
Anthraquinone F1	C12H8	19.56	152.0626
Anthraquinone F2	C13H8O	19.56	180.0575
Atrazine	C7H11ClN5	15.32	200.0703
Atrazine F1	C8ClH14N5	15.32	215.0937
Atrazine F2	C5ClH8N5	15.32	173.0468
Benalaxyl	C10H14N	26.00	148.1126
Benalaxyl F1	C11H14NO	26.00	176.1075
Benalaxyl F2	C12H16NO2	26.00	206.1181
BHC alpha	C6H4Cl3	14.32	180.9378
BHC alpha F1	C6H5Cl3[37Cl]	14.32	218.9116
BHC alpha F2	C3H3Cl2	14.32	108.9611
BHC beta	C6H4Cl3	15.36	180.9378
BHC beta F1	C6H5Cl3[37Cl]	15.36	218.9116
BHC beta F2	C3H3Cl2	15.36	108.9611



Compound	Molecular Formula	Retention Time (min)	Theoretical Mass
Bifenox	C14Cl2H9NO5	28.76	340.9857
Bifenox F1	C13Cl2H6NO4	28.76	309.9673
Bifenox F2	C11ClH6	28.76	173.0158
Bifenthrin	C14H13	28.33	181.1017
Bifenthrin F1	C13H10	28.33	166.0783
Bifenthrin F2	C13H9	28.33	165.0704
Biphenyl	C12H10	8.27	154.0782
Biphenyl F1	C12H9	8.27	153.0704
Biphenyl F2	C12H8	8.27	152.0626
Bixafen	C6H5ON2F2	34.19	159.0370
Bixafen F1	C18H12N3Cl2F3	34.19	413.0309
Boscalid	C6H3ClNO	33.38	139.9903
Boscalid F1	C5H3ClN	33.38	111.9954
Boscalid F2	C18H12Cl2N2O	33.38	342.0327
Bromopropylate	C7H4BrO	28.12	182.9446
Bromopropylate F1	C13H9Br2O	28.12	338.9020
Bromopropylate F2	C6H4Br	28.12	154.9496
Bromuconazole	C7H3Cl2O	27.92	172.9561
Bromuconazole F1	C10H8BrCl2O	27.92	292.9136
Bromuconazole F2	C7H3Cl[37Cl]O	27.92	174.9531
Bromuconazole II	C7H3Cl2O	28.78	172.9561
Bromuconazole II F1	C10H8BrCl2O	28.78	292.9136
Bromuconazole II F2	C7H3Cl[37Cl]O	28.78	174.9531
Bupirimate	C11H18N3O	24.02	208.1450
Bupirimate F1	C10H17N4O3S	24.02	273.1021
Bupirimate F2	C10H17N4	24.02	193.1448
Buprofezin	C10H11N2O	23.85	175.0871
Buprofezin F1	C8H16N2S	23.85	172.1034
Buprofezin F2	C7H5NO	23.85	119.0371
Butralin	C12H16N3O4	20.65	266.1141
Butralin F1	C9H10N3O4	20.65	224.0671
Butralin F2	C9H10N	20.65	132.0813
Butylate	C7H16NS	9.06	146.1003
Butylate F1	C9H18ON	9.06	156.1388
Butylate F2	C8H16ONS	9.06	174.0952
Cadusafos	C2H8O2PS2	14.09	158.9703
Cadusafos F1	H3OPS2	14.09	113.9363



Compound	Molecular Formula	Retention Time (min)	Theoretical Mass
Cadusafos F2	C6H14O2PS2	14.09	213.0173
Captan	CClS	21.43	78.9409
Captan F1	CCl2S	21.43	113.9098
Captan F2	C8H7NO2	21.43	149.0477
Carbofuran	C10H12O2	15.18	164.0837
Carbofuran F1	C9H9O2	15.18	149.0603
Carbofuran F2	C9H7O	15.18	131.0497
Carbophenothion	C7H6ClS	25.88	156.9879
Carbophenothion F1	C5H12O2PS2	25.88	199.0016
Carbophenothion F2	C11H16ClO2PS3	25.88	341.9739
Chinomethionate	C9H6N2S2	21.92	205.9972
Chinomethionate F1	C10H6N2OS2	21.92	233.9922
Chinomethionate F2	C8H6NS	21.92	148.0221
Chlordane-cis	C10H6Cl6[37Cl]	22.41	372.8259
Chlordane-cis F1	C5Cl4[37Cl]	22.41	236.8414
Chlordane-cis F2	C10H4Cl4	22.41	263.9067
Chlordane-trans	C10H6Cl6[37Cl]	21.84	372.8259
Chlordane-trans F1	C5Cl4[37Cl]	21.84	236.8414
Chlordane-trans F2	C10H4Cl4	21.84	263.9067
Chlorfenapyr	C11H9BrN2	24.48	247.9949
Chlorfenapyr F1	C13H7BrClF3N2	24.48	361.9433
Chlorfenapyr F2	C4H5ClFNO	24.48	137.0044
Chlorfenvinphos	C8H6Cl2O4P	21.55	266.9381
Chlorfenvinphos F1	C12H14Cl2O4P	21.55	323.0007
Chlorfenvinphos F2	C10H10Cl2O4P	21.55	294.9694
Chlorobenzilate	C7H4ClO	24.64	138.9951
Chlorobenzilate F1	C13H9OCl2	24.64	251.0030
Chlorobenzilate F2	C6H4Cl	24.64	111.0002
Chlorothalonil	C8Cl4N2	16.71	263.8816
Chlorothalonil F1	C8Cl3[37Cl]N2	16.71	265.8786
Chlorothalonil F2	C8Cl2[37Cl]2N2	16.71	267.8757
Chlorpropham	C6H6ClN	13.34	127.0189
Chlorpropham F1	C7H6NO2Cl	13.34	171.0087
Chlorpropham F2	C10H12NO2Cl	13.34	213.0557
Chlorpyrifos	C5H2Cl3NO	20.00	196.9202
Chlorpyrifos F1	C5H3NO3PSCl2	20.00	257.8948
Chlorpyrifos F2	C9H11NO3PSCl2	20.00	313.9574



Compound	Molecular Formula	Retention Time (min)	Theoretical Mass
Chlorpyrifos-methyl	C7H7NO3PSCI2	18.12	285.9261
Chlorpyrifos-methyl F1	C2H6O2PS	18.12	124.9826
Chlorpyrifos-methyl F2	C5H2Cl3NO	18.12	196.9202
Chlorthal-dimethyl	C9Cl4H3O3	20.15	298.8836
Chlorthal-dimethyl F1	C7Cl3O2	20.15	220.8963
Chlorthal-dimethyl F2	C10Cl4H6O4	20.15	329.9020
Chlozolate	C10H7NO3Cl2	21.42	258.9803
Chlozolate F1	C7H3Cl2NO	21.42	186.9592
Chlozolate F2	C13H11NO5Cl2	21.42	331.0014
Coumaphos	C10ClSH7O2	31.98	225.9855
Coumaphos F1	C14H16ClO5PS	31.98	362.0145
Coumaphos F2	C9H7O4P	31.98	210.0082
Cyfluthrin I	C7H9Cl2	32.78	163.0081
Cyfluthrin I F1	C13H8FO	32.78	199.0559
Cyfluthrin I F2	C14H9FNO	32.96	226.0668
Cyfluthrin II	C7H9Cl2	32.96	163.0081
Cyfluthrin II F1	C13H8FO	32.96	199.0559
Cyfluthrin II F2	C14H9FNO	32.96	226.0668
Cyfluthrin III	C7H9Cl2	33.11	163.0081
Cyfluthrin III F1	C13H8FO	33.11	199.0559
Cyfluthrin III F2	C14H9FNO	33.11	226.0668
Cyfluthrin IV	C7H9Cl2	33.19	163.0081
Cyfluthrin IV F1	C13H8FO	33.19	199.0559
Cyfluthrin IV F2	C14H9FNO	33.19	226.0668
Cypermethrin I	C13H9O	33.36	181.0653
Cypermethrin I F1	C7H9Cl2	33.36	163.0081
Cypermethrin I F2	C14H11NO	33.36	209.0841
Cypermethrin II	C13H9O	33.56	181.0653
Cypermethrin II F1	C7H9Cl2	33.56	163.0081
Cypermethrin II F2	C14H11NO	33.56	209.0841
Cypermethrin III	C13H9O	33.70	181.0653
Cypermethrin III F1	C7H9Cl2	33.70	163.0081
Cypermethrin III F2	C14H11NO	33.70	209.0841
Cypermethrin IV	C13H9O	33.78	181.0653
Cypermethrin IV F1	C7H9Cl2	33.78	163.0081
Cypermethrin IV F2	C14H11NO	33.78	209.0841
Cyproconazole	C7ClH4O	24.21	138.9950



Compound	Molecular Formula	Retention Time (min)	Theoretical Mass
Cyproconazole F1	C10ClH9N3O	24.21	222.0434
Cyproconazole F2	C7H11NO	24.21	125.0841
Cyprodinil	C14H14N3	20.90	224.1187
Cyprodinil F1	C14H15N3	20.90	225.1266
Cyprodinil F2	C13H12N3	20.90	210.1031
Deltamethrin	C13H9O	36.54	181.0653
Deltamethrin F1	C14H11NO	36.54	209.0841
Deltamethrin F2	C7H9Br2	36.54	250.9071
Diazinon	C7H9N2O	16.43	137.0715
Diazinon F1	C10H15N2O	16.43	179.1184
Diazinon F2	C8H12N2O	16.43	152.0950
Dichlorvos	C2H6O3P1	6.16	109.0055
Dichlorvos F1	C4H7O4P1Cl1	6.16	184.9770
Dichlorvos F2	C2H7ClO3P	6.16	144.9821
Diclobutrazole	C11H10ON3Cl2	23.79	270.0200
Diclobutrazole F1	C7H5Cl2	23.79	158.9768
Diclobutrazole F2	C9H7OCl2	23.79	200.9874
Diclofluanid	C6H5N1S1	19.45	123.0143
Diclofluanid F1	C8H11N2S1	19.45	167.0643
Diclofluanid F2	C7H5N1S1Cl2F	19.45	223.9504
Dicloran	C6H3ClN	14.78	123.9954
Dicloran F1	C6H4N2O2Cl2	14.78	205.9650
Dicloran F2	C6H4N1Cl2	14.78	159.9721
Dicofol	C7H4ClO	26.67	138.9951
Dicofol F1	C13H9Cl2O	26.67	251.0030
Dicofol F2	C6H4Cl	26.67	111.0002
Dieldrin	C7H2Cl5	23.39	260.8599
Dieldrin F1	C8H4Cl5	23.39	274.8756
Dieldrin F2	C12H8Cl5O	23.39	342.9018
Diethofencarb	C6H6NO2	19.84	124.0398
Diethofencarb F1	C7H6NO4	19.84	168.0296
Diethofencarb F2	C11H15NO4	19.84	225.1001
Dimethenamid	C8SH12N	17.83	154.0690
Dimethenamid F1	C10ClSH13NO	17.83	230.0406
Dimethenamid F2	C8ClSH10NO	17.83	203.0171
Dimethipin	C2SH4O	15.28	75.9982
Dimethipin F1	C4SH6O2	15.28	118.0088



Compound	Molecular Formula	Retention Time (min)	Theoretical Mass
Dimethipin F2	C2S2H4O2	15.28	123.9652
Diphenylamine	C12H11N	12.73	169.0892
Diphenylamine F1	C12H10N	12.73	168.0813
Diphenylamine F2	C6H5	12.73	77.0391
Disulfoton	SH2O2P	13.97	96.9513
Disulfoton F1	C4SH8	13.97	88.0346
Disulfoton F2	S2H2O2P	13.97	128.9233
Disulfoton-sulfoxide	SH2O2P	7.29	96.9513
Disulfoton-sulfoxide F1	C2H6O2PS	7.29	124.9826
Disulfoton-sulfoxide F2	C4S2H9OP	7.29	167.9832
DMST	C7H8N	15.52	106.0656
DMST F1	C9H14O2N2S	15.52	214.0776
DMST F2	C6H7	15.52	79.0547
Dodemorph I	C9H16NO	20.37	154.1231
Dodemorph I F1	C15H28NO	20.37	238.2170
Dodemorph I F2	C7H14NO	20.37	128.1075
Dodemorph II	C9H16NO	20.96	154.1231
Dodemorph II F1	C15H28NO	20.96	238.2170
Dodemorph II F2	C7H14NO	20.96	128.1075
Endosulphan alpha	C8H4Cl2	22.43	169.9690
Endosulphan alpha F1	C5Cl5	22.43	234.8443
Endosulphan alpha F2	C7H2Cl5	22.43	260.8599
Endosulphan beta	C8H4Cl2	24.52	169.9690
Endosulphan beta F1	C5Cl5	24.52	234.8443
Endosulphan beta F2	C7H5Cl2OS	24.52	206.9438
Endosulphan sulphate	C5Cl6	26.08	269.8126
Endosulphan sulphate F1	C5Cl5	26.08	234.8437
Endosulphan sulphate F2	C9H6Cl5O4S	26.08	384.8429
Endrin	C7H2Cl5	24.17	260.8599
Endrin F1	C11H7Cl4	24.17	278.9302
Endrin F2	C11H6Cl3	24.17	242.9535
EPN	C6H6OPS	28.14	156.9877
EPN F1	C8H10O2P	28.14	169.0418
EPN F2	C6H6O2P	28.14	141.0205
Epoxiconazole	C9ClH7N3		192.0328
Epoxiconazole F1	C7ClH5N		138.0110
Epoxiconazole F2	C8ClH6N2		165.0219



Compound	Molecular Formula	Retention Time (min)	Theoretical Mass
Ethion	C9H22O4P2S4	25.20	383.9876
Ethion F1	C5H12O2PS3	25.20	230.9737
Ethion F2	C2H6O2PS	25.20	124.9826
Ethion F3	C4H10O2PS	25.20	153.0139
Ethofumesate	C10H9O2	19.33	161.0603
Ethofumesate F1	C12H15O3	19.33	207.1021
Ethofumesate F2	C13H18O5S1	19.33	286.0875
Ethoprophos	H2O2PS	13.01	96.9513
Ethoprophos F1	C2H7O2PS2	13.01	157.9625
Ethoprophos F2	C2H8O2PS	13.01	126.9978
Ethoxyquin	C13H16NO	15.03	202.1232
Ethoxyquin F1	C11H12NO	15.03	174.0919
Ethoxyquin F2	C10H10N	15.03	144.0813
Etofenprox	C11H15O	33.94	163.1123
Etofenprox F1	C9H11O	33.94	135.0810
Etofenprox F2	C7H7O	33.94	107.0497
Etrimphos	C7H9N2O2	16.98	153.0664
Etrimphos F1	C9H13N2O2	16.98	181.0977
Etrimphos F2	C10H17N2O4PS	16.98	292.0647
Fenamidone	C15H14N3S	28.63	268.0908
Fenamidone F1	C15H14N2O	28.63	238.1106
Fenamidone F2	C10H12N3S	28.63	206.0752
Fenarimol	C7H4ClO	30.34	138.9951
Fenarimol F1	C5H3N2O	30.34	107.0245
Fenarimol F2	C11H8ClN2O	30.34	219.0325
Fenazaquin	C11H13	28.67	145.1017
Fenazaquin F1	C12H16	28.67	160.1252
Fenazaquin F2	C9H9	28.67	117.0704
Fenbuconazole	C9H7N		129.0578
Fenbuconazole F1	C11H10N4		198.0905
Fenbuconazole F2	C8ClH7		138.0236
Fenchlorphos	C8Cl2H8O3P	18.66	284.9308
Fenchlorphos F1	C2H6O2PS	18.66	124.9826
Fenchlorphos F2	C8Cl3SH5O2	18.66	269.9075
Fenhexamid	C6H5ONCl2	26.19	176.9748
Fenhexamid F1	C14H17O2NCl	26.19	266.0947
Fenhexamid F2	C14H17Cl2NO2	26.19	301.0636



Compound	Molecular Formula	Retention Time (min)	Theoretical Mass
Fenitrothion	C9H11NO4PS	19.19	260.0146
Fenitrothion F1	C2H6O2PS	19.19	124.9826
Fenitrothion F2	C2H6O3P	19.19	109.0055
Fenpropathrin	C13H9O	28.51	181.0653
Fenpropathrin F1	C16H11NO3	28.51	265.0739
Fenpropathrin F2	C12H9O	28.51	169.0653
Fenpropidin	C6H12N	18.87	98.0969
Fenpropidin F1	C6H13N	18.87	99.1003
Fenpropimorph	C7H14NO	19.98	128.1075
Fenpropimorph F1	C20H33NO	19.98	303.2562
Fenthion	C10H15O3PS2	19.91	278.0200
Fenthion F1	C2H6O2PS	19.91	124.9826
Fenthion F2	C8H9S2	19.91	169.0146
Fenvalerate/Esfen I	C7H6Cl	35.10	125.0158
Fenvalerate/Esfen I F1	C14H11NO2	35.10	225.0790
Fenvalerate/Esfen I F2	C13H9O	35.10	181.0653
Fenvalerate/Esfen II	C7H6Cl	35.51	125.0158
Fenvalerate/Esfen II F1	C14H11NO2	35.51	225.0790
Fenvalerate/Esfen II F2	C13H9O	35.51	181.0653
Fipronil	C11H4Cl2F3N4OS	21.65	366.9435
Fipronil F1	C11H4Cl2F3N4S	21.65	350.9486
Fipronil F2	C7H2Cl2F3	21.65	212.9486
Fipronil-desulfinil	C12H3N4ClF5	18.55	332.9966
Fipronil-desulfinil F1	C12H4N4Cl2F6	18.55	387.9717
Fipronil-desulfinil F2	C7H2Cl2F3	18.55	212.9485
Fipronil-sulfone	C11H4O2N4Cl2F3S	23.95	382.9384
Fipronil-sulfone F1	C7H2Cl2F3	23.95	212.9485
Fipronil-sulfone F2	C8H4N2Cl2F3	23.95	254.9703
Flamprop-isopropyl	C7H5O	24.82	105.0340
Flamprop-isopropyl F1	C15ClFH12NO	24.82	276.0591
Flamprop-isopropyl F2	C7ClFH4N	24.82	156.0016
Flamprop-methyl	C7H5O	23.80	105.0340
Flamprop-methyl F1	C10ClFH10NO2	23.80	230.0384
Flamprop-methyl F2	C15ClFH12NO	23.80	276.0591
Flonicamid	C7H3ONF3	12.85	174.0166
Flonicamid F1	C6H3NF3	12.85	146.0217
Flonicamid F2	C6H2ON	12.85	104.0136



Compound	Molecular Formula	Retention Time (min)	Theoretical Mass
Fluacrypyrim	C10H9O	25.65	145.0653
Fluacrypyrim F1	C11H9O3	25.65	189.0551
Fluacrypyrim F2	C9H7	25.65	115.0547
Fluazifop-p-butyl	C14H11F3NO2	24.47	282.0742
Fluazifop-p-butyl F1	C12H7F3NO2	24.47	254.0429
Fluazifop-p-butyl F2	C19H20F3NO4	24.47	383.1344
Flucythrinate I	C8F2H7O	33.81	157.0465
Flucythrinate I F1	C11F2H13O	33.81	199.0934
Flucythrinate I F2	C13H9O	33.81	181.0653
Flucythrinate II	C8F2H7O	34.19	157.0465
Flucythrinate II F1	C11F2H13O	34.19	199.0934
Flucythrinate II F2	C13H9O	34.19	181.0653
Fludioxonil	C12H6F2N2O2	23.39	248.0397
Fludioxonil F1	C10H6N2	23.39	154.0531
Fludioxonil F2	C8H7FN2O2	23.39	182.0492
Fluopicolide	C10H2ONF3	26.47	209.0088
Fluopicolide F1	C7H3OCl2	26.47	172.9561
Fluopicolide F2	C14H8ON2Cl2F3	26.47	346.9965
Fluopyram	C8H4F3O	21.64	173.0214
Fluopyram F1	C7H4F3	21.64	145.0265
Fluopyram F2	C8H7ClF3N2	21.64	223.0250
Fluquinconazole	C15H13Cl2FN3O	31.94	340.0420
Fluquinconazole F1	C6H3FN	31.94	108.0250
Fluquinconazole F2	C15H6ClFN3O	31.94	298.0183
Flusilazole	C13H11F2Si	23.86	233.0598
Flusilazole F1	C14H10Si	23.86	206.0552
Flusilazole F2	C16H15F2N3Si	23.86	315.1003
Flutolanil	C8H4F3O	23.15	173.0214
Flutolanil F1	C7H4F3	23.15	145.0265
Flutolanil F2	C14H10F3NO2	23.15	281.0664
Flutriafol	C7FH4O	22.75	123.0246
Flutriafol F1	C8FH7N3	22.75	164.0624
Flutriafol F2	C13F2H9O	22.75	219.0621
Folpet	C9H4Cl2NO2S	21.67	259.9340
Folpet F1	C8 H4 Cl2 N O S	21.67	231.9391
Folpet F2	C8H4NO2S	21.67	177.9963
Fonofos	C2SH6OP	15.82	108.9877



Compound	Molecular Formula	Retention Time (min)	Theoretical Mass
Fonofos F1	C4SH10OP	15.82	137.0190
Fonofos F2	C10S2H15OP	15.82	246.0301
Formothion	C2H6O2PS	17.29	124.9826
Formothion F1	C3H7O2PS	17.29	137.9904
Formothion F2	C6H11NO4PS	17.29	224.0146
Fosthiazate I	C3H6ONS	20.50	104.0170
Fosthiazate I F1	C2H6O2NPS	20.50	138.9856
Fosthiazate I F2	C3H6O3NPS2	20.50	198.9526
Fosthiazate II	C3H6ONS	20.59	104.0170
Fosthiazate II F1	C2H6O2NPS	20.59	138.9856
Fosthiazate II F2	C3H6O3NPS2	20.59	198.9526
Heptachlor	C5Cl5[37Cl]	18.30	271.8101
Heptachlor F1	C5ClH5	18.30	100.0079
Heptachlor F2	C5Cl4[37Cl]	18.30	236.8413
Heptachlorepoxyde-cis	C10Cl5[37Cl]H5O	21.11	352.8442
Heptachlorepoxyde-cis F1	C5Cl4[37Cl]	21.11	236.8413
Heptachlorepoxyde-cis F2	C5H5O	21.11	81.0340
Heptachlorepoxyde-trans	C5Cl4[37Cl]	21.28	236.8413
Heptachlorepoxyde-trans F1	C9Cl3H4	21.28	216.9378
Heptachlorepoxyde-trans F2	C5Cl3H2O	21.28	182.9171
Heptenophos	C7H5	11.90	89.0391
Heptenophos F1	C7ClH5	11.90	124.0079
Heptenophos F2	C2H8O4P	11.90	127.0160
Hexachlorobenzene	C6Cl5[37Cl]	14.59	283.8101
Hexachlorobenzene F1	C6Cl4[37Cl]	14.59	248.8413
Hexachlorobenzene F2	C6Cl3[37Cl]	14.59	213.8724
Hexaconazole	C10 H8 Cl2 O	23.02	213.9952
Hexaconazole F1	C11H13Cl2O	23.02	231.0343
Hexaconazole F2	C7H3Cl2O	23.02	172.9561
Indoxacarb	C8H4F3NO2	36.51	203.0194
Indoxacarb F1	C7H4NO2	36.51	134.0242
Indoxacarb F2	C6H4NO	36.51	106.0293
Iprodione	C12H10Cl2N3O3	27.81	314.0099
Iprodione F1	C7H3Cl2NO	27.81	186.9592
Iprodione F2	C9H6Cl2N2O2	27.81	243.9806
Iprovalicarb I	C9H11	23.70	119.0861
Iprovalicarb I F1	C9H9	23.70	117.0704



Compound	Molecular Formula	Retention Time (min)	Theoretical Mass
Iprovalicarb I F2	C9H9NO	23.70	147.0684
Iprovalicarb II	C9H11	24.07	119.0861
Iprovalicarb II F1	C9H9	24.07	117.0704
Iprovalicarb II F2	C9H9NO	24.07	147.0684
Isazofos	C2ClH2N3O	16.89	118.9886
Isazofos F1	C5ClH8N3O	16.89	161.0355
Isazofos F2	C6H11N3OP	16.89	172.0639
Isocarbophos	C7H4O2	20.25	120.0211
Isocarbophos F1	C7SH4O	20.25	135.9982
Isocarbophos F2	C6H4O	20.25	92.0262
Isufenphos-ethyl	C7H6O4P	21.57	185.0003
Isufenphos-ethyl F1	C9H10O4P	21.57	213.0316
Isufenphos-ethyl F2	C7H5O2	21.57	121.0289
Isufenphos-methyl	C8H8O4P	20.94	199.0160
Isufenphos-methyl F1	C7H5O2	20.94	121.0290
Isufenphos-methyl F2	C11H14O4P	20.94	241.0630
Isoprothiolane	C4S2H6	23.25	117.9910
Isoprothiolane F1	C5S2H6O2	23.25	161.9809
Isoprothiolane F2	C6S2H5O3	23.25	188.9680
Isopyrazam	C6H5ON2F2	30.87	159.0370
Isopyrazam F1	C16H15ON3F2	30.87	303.1183
Isopyrazam F2	C20H23F2N3O	30.87	359.1809
Kresoxim-methyl	C8H6N	24.07	116.0500
Kresoxim-methyl F1	C7H5	24.07	89.0391
Kresoxim-methyl F2	C9H9N	24.07	131.0735
Lambda-Cyhalotrin	C13H9O	30.29	181.0653
Lambda-Cyhalotrin F1	C14H11NO	30.29	209.0841
Lambda-Cyhalotrin F2	C13H10O2	30.29	198.0681
Lindane gamma-HCH	C6H6Cl3	15.58	182.9340
Lindane gamma-HCH F1	C6H5Cl4	15.58	216.9145
Lindane gamma-HCH F2	C6H4Cl2	15.58	145.9690
Malaoxon	C2H8O4P	18.26	127.0160
Malaoxon F1	C4H3O3	18.26	99.0082
Malaoxon F2	C5H8O4PS	18.26	194.9880
Malathion	C2H6O2PS	19.66	124.9826
Malathion F1	C6H7O3	19.66	127.0395
Malathion F2	C8H13O4	19.66	173.0814



Compound	Molecular Formula	Retention Time (min)	Theoretical Mass
Mecarbam	C4SH5NO2	21.62	131.0041
Mecarbam F1	SH4O3P	21.62	114.9618
Mecarbam F2	C6SH10NO2	21.62	160.0432
Mepanipyrim	C14H12N3	22.60	222.1031
Mepanipyrim F1	C13H9N3	22.60	207.0796
Mepanipyrim F2	C14H11N3	22.60	221.0953
Metalaxyl	C11H14N	18.65	160.1126
Metalaxyl F1	C12H16NO2	18.65	206.1181
Metalaxyl F2	C9H10N	18.65	132.0813
Metazachlor	C9H10N	21.10	132.0813
Metazachlor F1	C8H7N	21.10	117.0578
Metazachlor F2	C11ClH12NO	21.10	209.0607
Metconazole	C8H13O	28.65	125.0966
Metconazole F1	C7H12N3	28.65	138.1031
Metconazole F2	C11H9	28.65	141.0704
Methamidophos	CH5NO2P	5.86	94.0058
Methamidophos F1	C2H8NO2PS	5.86	141.0013
Methamidophos F2	CH5NO2PS	5.86	125.9779
Methidation	C4H5N2O2S	22.11	145.0072
Methidation F1	C3H5N2O	22.11	85.0402
Methidation F2	C2H6O2PS	22.11	124.9826
Methiocarb	C9H12OS	19.16	168.0609
Methiocarb F1	C8H9OS	19.16	153.0374
Methiocarb F2	C7H9O	19.16	109.0653
Methiocarb sulfone	C8H9O	18.78	121.0653
Methiocarb sulfone F1	C8H9O2	18.78	137.0603
Methiocarb sulfone F2	C9H12O3S	18.78	200.0507
Methoxychlor	C15H15O2	26.73	227.1072
Methoxychlor F1	C14H12O2	26.73	212.0837
Methoxychlor F2	C14H12O	26.73	196.0888
Methoxychlor II	C15H15O2	28.38	227.1072
Methoxychlor II F1	C14H12O2	28.38	212.0837
Methoxychlor II F2	C14H12O	28.38	196.0888
Metolachlor	C11H16N	19.78	162.1282
Metolachlor F1	C13ClH17NO	19.78	238.0998
Metolachlor F2	C10H12N	19.78	146.0969
Mevinphos	C2H8O4P	9.02	127.0160



Compound	Molecular Formula	Retention Time (min)	Theoretical Mass
Mevinphos F1	C6H9O5P	9.02	192.0187
Mevinphos F2	C5H9O4P	9.02	164.0238
Molinate	C7H12NO	11.07	126.0918
Molinate F1	C6H12N	11.07	98.0969
Molinate F2	C9SH17NO	11.07	187.1030
Myclobutanil	C8H6ClN3	23.74	179.0247
Myclobutanil F1	C8H5ClN	23.74	150.0111
Myclobutanil F2	C12H10ClN4	23.74	245.0594
Napropamide	C7H14NO	22.97	128.1075
Napropamide F1	C17H21NO2	22.97	271.1572
Napropamide F2	C12H11O	22.97	171.0810
Nuarimol	C7H4ClO	26.78	138.9951
Nuarimol F1	C13H9ClFO	26.78	235.0326
Nuarimol F2	C11H8FN2O	26.78	203.0621
o,p DDT	C13H9Cl2	25.04	235.0081
o,p DDT F1	C13H9	25.04	165.0704
o,p DDT F2	C14H9Cl	25.04	212.0393
o,p'-DDE	C14Cl2H8	22.25	246.0003
o,p'-DDE F1	C14H8	22.25	176.0626
o,p'-DDE F2	C14Cl4H8	22.25	315.9380
Ofurace	C13H14NO3	25.68	232.0973
Ofurace F1	C9H10N	25.68	132.0813
Ofurace F2	C12H12NO	25.68	186.0918
Ortophenylphenol	C12H10O	10.67	170.0732
Ortophenylphenol F1	C11H9	10.67	141.0704
Ortophenylphenol F2	C9H7	10.67	115.0548
Oxadixyl	C9H10N	25.11	132.0813
Oxadixyl F1	C10H13NO	25.11	163.0997
Oxadixyl F2	C8H10N	25.11	120.0813
p,p DDE	C14H8Cl2	23.42	246.0003
p,p DDE F1	C14H8Cl4	23.42	315.9380
p,p DDE F2	C14H8	23.42	176.0626
p,p DDT	C13H9Cl2	26.26	235.0081
p,p DDT F1	C13H9	26.26	165.0704
p,p DDT F2	C14H9Cl	26.26	212.0393
p,p'-DDD	C13H9Cl2	24.94	235.0081
p,p'-DDD F1	C13H9	24.94	165.0704



Compound	Molecular Formula	Retention Time (min)	Theoretical Mass
p,p'-DDD F2	C13H8Cl	24.94	199.0314
Paclobutrazol	C7ClH6	22.28	125.0158
Paclobutrazol F1	C11ClH11N3O	22.28	236.0590
Paclobutrazol F2	C9ClH8O	22.28	167.0263
Paraoxon Methyl	C2H6PO3	16.51	109.0055
Paraoxon Methyl F1	C8H9NO5P	16.51	230.0218
Paraoxon Methyl F2	C8H10NO6P	16.51	247.0246
Parathion	C6H5NO3	20.01	139.0269
Parathion F1	C8H10NO5PS	20.01	263.0017
Parathion F2	C6H6NO5PS	20.01	234.9704
Parathion Methyl	C2H6O2PS	18.10	124.9826
Parathion Methyl F1	C2H6O3P	18.10	109.0055
Parathion Methyl F2	C8H10NO5PS	18.10	263.0017
Pebulate	C7H14NO	9.61	128.1075
Pebulate F1	C7H15NOS	9.61	161.0874
Pebulate F2	C6H14NS	9.61	132.0847
Penconazole	C7H5Cl2	21.23	158.9768
Penconazole F1	C13H15ClN3	21.23	248.0955
Penconazole F2	C8H5Cl2N3	21.23	212.9855
Pencycuron	C7H6Cl	14.43	125.0158
Pencycuron F1	C10H11ClN	14.43	180.0580
Pencycuron F2	C9H9ClN	14.43	166.0424
Pendimethalin	C11H14N3O4	21.19	252.0984
Pendimethalin F1	C9H10N2O	21.19	162.0793
Pendimethalin F2	C9H9N3O2	21.19	191.0695
Pentachloroaniline	C6Cl5H2N	17.33	262.8629
Pentachloroaniline F1	C6Cl3HN	17.33	191.9174
Pentachloroaniline F2	C5Cl4H	17.33	200.8832
Permethrin I	C13H11O	31.62	183.0810
Permethrin I F1	C7H9Cl2	31.62	163.0081
Permethrin I F2	C7H8Cl	31.62	127.0315
Permethrin II	C13H11O	31.87	183.0810
Permethrin II F1	C7H9Cl2	31.87	163.0081
Permethrin II F2	C7H8Cl	31.87	127.0315
Phenothrin I	C9H15	29.04	123.1174
Phenothrin I F1	C13H11O	29.04	183.0810
Phenothrin I F2	C12H8O	29.04	168.0575



Compound	Molecular Formula	Retention Time (min)	Theoretical Mass
Phenothrin II	C9H15	29.25	123.1174
Phenothrin II F1	C13H11O	29.25	183.0810
Phenothrin II F2	C12H8O	29.25	168.0575
Phenthoate	C7H5S	21.66	121.0112
Phenthoate F1	C10H11O3PS2	21.66	273.9887
Phenthoate F2	C2H6O2PS	21.66	124.9826
Phorate	C3SH7	14.22	75.0268
Phorate F1	C5S3H12O2P	14.22	230.9737
Phorate F2	C4H10O2P	14.22	121.0418
Phorate-sulfone	H2O2PS	19.77	96.9514
Phorate-sulfone F1	C2H5O2S2	19.77	124.9731
Phorate-sulfone F2	C4H10O2PS	19.77	153.0139
Phosmet	C9H6NO2	27.98	160.0399
Phosmet F1	C8H5O2	27.98	133.0290
Phosmet F2	C3H7NOP	27.98	104.0265
Phthalimide	C8H5NO2	9.59	147.0320
Phthalimide F1	C7H5N	9.59	103.0422
Phthalimide F2	C6H4	9.59	76.0313
Picolinafen	C12H7F3NO	28.30	238.0480
Picolinafen F1	C19H12F4N2O2	28.30	376.0835
Picolinafen F2	C7H4F3	28.30	145.0265
Picoxystrobin	C10H9O	23.07	145.0653
Picoxystrobin F1	C17F3H12NO3	23.07	335.0769
Picoxystrobin F2	C16F3H8NO2	23.07	303.0507
Pirimicarb	C8H12N3O	17.39	166.0980
Pirimicarb F1	C11H18N4O2	17.39	238.1430
Pirimicarb F2	C7H9N2O	17.39	137.0715
Pirimicarb-desmethyl	C7H10N3O	17.60	152.0823
Pirimicarb-desmethyl F1	C3H6NO	17.60	72.0449
Pirimicarb-desmethyl F2	C10H16N4O2	17.60	224.1273
Pirimiphos-methyl	C10H17N3O3PS	19.31	290.0728
Pirimiphos-methyl F1	C9H15N3O3PS	19.31	276.0572
Pirimiphos-methyl F2	C11H20N3O3PS	19.31	305.0963
Prochloraz	C9H14N3O	32.09	180.1137
Prochloraz F1	C12H13Cl3NO2	32.09	308.0012
Prochloraz F2	C9H7Cl3NO2	32.09	265.9542
Procymidone	C13H11Cl2NO2	21.85	283.0167



Compound	Molecular Formula	Retention Time (min)	Theoretical Mass
Procymidone F1	C12H11Cl2NO	21.85	255.0218
Profenophos	C11H15BrO3PS	23.32	336.9663
Profenophos F1	C6H4BrClO	23.32	205.9134
Profenophos F2	C10H3BrClS	23.32	268.8827
Prometon	C6H10N5O	15.16	168.0885
Prometon F1	C9H16N5O	15.16	210.1355
Prometon F2	C7H13N5O	15.16	183.1120
Prometryn	C6H10N5S	18.63	184.0657
Prometryn F1	C10H19N5S	18.63	241.1356
Prometryn F2	C9H16N5S	18.63	226.1126
Propaphos	C7H9O4PS	22.24	219.9959
Propaphos F1	C7H8OS	22.24	140.0295
Propaphos F2	C13H21O4PS	22.24	304.0898
Propargite	SO2	27.03	63.9619
Propargite F1	C9H11O	27.03	135.0809
Propargite F2	C15H19O	27.03	215.1435
Propazine	C8H13ClN5	15.50	214.0859
Propazine F1	C5H7ClN5	15.50	172.0390
Propazine F2	C9H16ClN5	15.50	229.1094
Propiconazole I	C7H3OCl2	26.16	172.9561
Propiconazole I F1	C12H13O2Cl2	26.16	259.0292
Propiconazole I F2	C7H5O2Cl2	26.16	190.9666
Propiconazole II	C7H3OCl2	26.38	172.9561
Propiconazole II F1	C12H13O2Cl2	26.38	259.0292
Propiconazole II F2	C7H5O2Cl2	26.38	190.9666
Propoxur	C6H6O2	12.58	110.0368
Propoxur F1	C9H12O2	12.58	152.0837
Propoxur F2	C5H5O	12.58	81.0340
Propyzamide	C7Cl2H3O	15.91	172.9561
Propyzamide F1	C12Cl2H10NO	15.91	254.0139
Propyzamide F2	C11Cl2H8NO	15.91	240.0003
Prosulfocarb	C7H14NO	18.79	128.1075
Prosulfocarb F1	C14H21NOS	18.79	251.1344
Prosulfocarb F2	C7H14NOS	18.79	160.0796
Prothiophos	C11H15ClO2PS2	23.20	308.9940
Prothiophos F1	C8H9ClO2PS2	23.20	266.9470
Prothiophos F2	C6H4Cl2O	23.20	161.9639



Compound	Molecular Formula	Retention Time (min)	Theoretical Mass
Pyraclostrobin	C ₈ H ₆ O _N	23.20	132.0449
Pyraclostrobin F1	C ₉ H ₁₀ O ₂ N	23.20	164.0711
Pyraclostrobin F2	C ₇ H ₆ N	23.20	104.0500
Pyrazophos	C ₁₀ H ₁₁ N ₃ O ₃	30.66	221.0800
Pyrazophos F1	C ₁₂ H ₁₄ N ₃ O ₂	30.66	232.1086
Pyrazophos F2	C ₁₂ H ₁₅ N ₃ O ₂ S	30.66	265.0885
Pyridaben	C ₁₁ H ₁₅	31.79	147.1174
Pyridaben F1	C ₉ H ₉	31.79	117.0704
Pyridaben F2	C ₁₀ H ₁₃	31.79	133.1017
Pyrifenox I	C ₇ H ₃ Cl ₂ N	21.34	170.9642
Pyrifenox I F1	C ₁₃ Cl ₂ H ₈ N ₂	21.34	262.0064
Pyrifenox I F2	C ₇ Cl ₂ H ₃ NO	21.34	186.9591
Pyrifenox II	C ₇ H ₃ Cl ₂ N	22.30	170.9642
Pyrifenox II F1	C ₁₃ Cl ₂ H ₈ N ₂	22.30	262.0064
Pyrifenox II F2	C ₇ Cl ₂ H ₃ NO	22.30	186.9591
Pyrimethanil	C ₁₂ H ₁₂ N ₃	16.17	198.1031
Pyrimethanil F1	C ₁₁ [¹³ C]H ₁₂ N ₃	16.17	199.1065
Pyrimethanil F2	C ₇ H ₁₃	16.17	97.1017
Pyrimethanil F3	C ₁₁ H ₉ N ₃	16.17	183.0796
Pyriproxyfen	C ₈ H ₁₀ NO	29.62	136.0762
Pyriproxyfen F1	C ₁₅ H ₁₄ O ₂	29.62	226.0994
Pyriproxyfen F2	C ₁₂ H ₁₀ O ₂	29.62	186.0681
Quinalphos	C ₈ H ₆ N ₂ O	21.61	146.0480
Quinalphos F1	C ₁₀ H ₉ N ₂	21.61	157.0766
Quinalphos F2	C ₇ H ₆ N ₂	21.61	118.0531
Quinoxifen	C ₁₅ H ₈ FNO	26.04	237.0590
Quinoxifen F1	C ₁₅ H ₈ ClFNO	26.04	272.0278
Quinoxifen F2	C ₁₅ H ₈ Cl ₂ FNO	26.04	306.9967
Quintozene	C ₅ Cl ₄ [³⁷ Cl]	15.66	236.8413
Quintozene F1	C ₆ Cl ₂	15.66	141.9377
Quintozene F2	C ₆ Cl ₄	15.66	211.8754
Secbumeton	C ₈ H ₁₄ N ₅ O	16.63	196.1198
Secbumeton F1	C ₆ H ₁₁ N ₅ O	16.63	169.0964
Secbumeton F2	C ₉ H ₁₆ N ₅ O	16.63	210.1355
Spirodiclofen	C ₁₅ H ₁₂ ClO ₂	31.55	259.0526
Spirodiclofen F1	C ₇ H ₃ Cl ₂	31.55	156.9612
Spirodiclofen F2	C ₁₅ H ₁₄ Cl ₂ O ₃	31.55	312.0320



Compound	Molecular Formula	Retention Time (min)	Theoretical Mass
Spiromesifen	C17H20O3	27.76	272.1412
Spiromesifen F1	C17H18O2	27.76	254.1307
Spiromesifen F2	C14H15O3	27.76	231.1021
Sulfotep	C8H20O5P2S2	14.10	322.0227
Sulfotep F1	C4H11O3PS2	14.10	201.9885
Sulfotep F2	C2H8O5P2S2	14.10	237.9288
Sulprofos	C7S2H8	25.57	156.0067
Sulprofos F1	C7SH8O	25.57	140.0295
Sulprofos F2	C12S3H19O2P	25.57	322.0284
Tau-Fluvalinate I	C11H12ClF3N	35.51	250.0610
Tau-Fluvalinate I F1	C13H9O	35.51	181.0653
Tau-Fluvalinate I F2	C12H9O	35.51	169.0653
Tau-Fluvalinate II	C11H12ClF3N	35.64	250.0610
Tau-Fluvalinate II F1	C13H9O	35.64	181.0653
Tau-Fluvalinate II F2	C12H9O	35.64	169.0653
Tebuconazole	C7H6Cl	26.76	125.0158
Tebuconazole F1	C12H13ClN3O	26.76	250.0747
Tebuconazole F2	C10H8Cl	26.76	163.0315
Tebufenpyrad	C7H8ClN2O	28.64	171.0325
Tebufenpyrad F1	C17H21ClN3O	28.64	318.1373
Tebufenpyrad F2	C14H15ClN3O	28.64	276.0904
Tecnazene	C5HCl4	12.43	200.8832
Tecnazene F1	C6HCl4	12.43	212.8832
Tecnazene F2	C6HCl4NO2	12.43	258.8761
Tefluthrin	C8H5F4	16.88	177.0327
Tefluthrin F1	C8H9ClF3	16.88	197.0345
Tefluthrin F2	C8H7F2	16.88	141.0510
Terbufos	C5H12O2PS3	15.87	230.9737
Terbufos F1	H2O2PS	15.87	96.9513
Terbufos F2	C4H10O2PS	15.87	153.0139
Terbumeton	C6H11N5O	15.54	169.0964
Terbumeton F1	C9H16N5O	15.54	210.1355
Terbumeton F1	C5H8N5O	15.54	154.0729
Terbuthylazine	C8H13ClN5	15.88	214.0859
Terbuthylazine F1	C5H8ClN5	15.88	173.0468
Terbuthylazine F2	C5H8N5	15.88	138.0780
Terbutryn	C6H11N5S	19.10	185.0735



Compound	Molecular Formula	Retention Time (min)	Theoretical Mass
Terbutryn F1	C9H16N5S	19.10	226.1126
Terbutryn F2	C5H8N5S	19.10	170.0500
Tetrachlorvinphos	C10Cl3H9O4P	22.53	328.9304
Tetrachlorvinphos F1	C2H6O3P	22.53	109.0055
Tetrachlorvinphos F2	C8H2Cl4	22.53	237.8911
Tetraconazole	C13H11ClF4N3O	20.37	336.0527
Tetraconazole F1	C8H5Cl2	20.37	170.9768
Tetraconazole F2	C11H8ClF4O	20.37	267.0200
Tetradifon	C6H4ClOS	29.04	158.9671
Tetradifon F1	C6H2Cl3OS	29.04	226.8892
Tetradifon F2	C12H6Cl4O2S	29.04	353.8843
Tetrahydrophthalimide	C8H9NO2	9.93	151.0633
Tetrahydrophthalimide F1	C6H7	9.93	79.0547
Tetrahydrophthalimide F2	C7H9NO	9.93	123.0684
Tetramethrin I	C9H10NO2	28.04	164.0712
Tetramethrin I F1	C9H15	28.04	123.1174
Tetramethrin I F2	C7H7O	28.04	107.0497
Tetramethrin II	C9H10NO2	28.29	164.0712
Tetramethrin II F1	C9H15	28.29	123.1174
Tetramethrin II F2	C7H7O	28.29	107.0497
Thiobencarb	C5H10NO	19.56	100.0762
Thiobencarb F1	C7ClH6	19.56	125.0158
Thiobencarb F2	C12H16ClNOS	19.56	257.0641
Tolclofos Methyl	C9H11ClO3PS	18.28	264.9850
Tolclofos Methyl F1	C2H6O2PS	18.28	124.9821
Tolclofos Methyl F2	C8H8ClO3PS	18.28	249.9620
Tolyfluanid	C7H7NS	21.39	137.0299
Tolyfluanid F1	C8H7Cl2FNS	21.39	237.9660
Tolyfluanid F2	C9H13N2S	21.39	181.0799
TPP	C18H14O4P	27.05	325.0630
TPP F1	C12H8O2P	27.05	215.0262
TPP F2	C12H10O3P	27.05	233.0368
Triadimefon	C9H7ClN3O	20.12	208.0278
Triadimefon F1	C8H6ClN2O	20.12	181.0169
Triadimefon F2	C6H5ClO	20.12	128.0029
Triazophos	C8H7N3O	25.64	161.0589
Triazophos F1	C10H10N3	25.64	172.0874



Compound	Molecular Formula	Retention Time (min)	Theoretical Mass
Triazophos F2	C ₈ H ₈ N ₃ O ₃ PS	25.64	257.0023
Trifloxystrobin	C ₈ H ₆ N	26.48	116.0500
Trifloxystrobin F1	C ₈ H ₅ F ₃ N	26.48	172.0379
Trifloxystrobin F2	C ₇ H ₄ F ₃	26.48	145.0265
Trifluralin	C ₈ H ₅ F ₃ N ₃ O ₄	13.95	264.0232
Trifluralin F1	C ₁₁ H ₁₁ F ₃ N ₃ O ₄	13.95	306.0702
Trifluralin F2	C ₁₃ H ₆ F ₂ O ₃	13.95	248.0285
Vinclozolin	C ₁₀ H ₈ Cl ₂ N	18.13	212.0034
Vinclozolin F1	C ₇ H ₃ Cl ₂ NO	18.13	186.9592
Vinclozolin F2	C ₁₂ H ₉ Cl ₂ NO ₃	18.13	284.9959



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