Appendix II

The Eight Peak Index of EI+ MS Data

Pesticide and related compound EI+ MS data ordered by most intense ion

In this section, the EI+ mass spectrometric data are compiled in eight peak index format, to facilitate the identification of unidentified spectra. As these will generally be obtained following gas chromatographic separation, those compounds that are not readily amenable to GC are distinguished by an asterisk. Molecular ion m/z data are underlined. Data for GC contaminants and artefacts are given in *italics.*

For spectra in which the base peak is at low mass, and which therefore may be difficult to observe (either because it is below the acquired mass range or because it is obscured by solvent/co-extractive interference), a second entry has been made under the most intense ion in the spectrum observed at high mass. In this instance m/z100 has been chosen as the (arbitrary) threshold between high and low mass. Such entries are readily distinguished by the appearance in the relative intensity list of the 100% value in the second column rather than the first. Of course, some spectra have no ions of any significant intensity greater than m/z100 (particularly those whose molecular weight is less than 100), but the only pesticides in this category in this collection are: 2-aminobutane, aminotriazole, binapacryl, dinocap, metaldehyde, methyl bromide, methyl isothiocyanate and thiodicarb.

Eight most abundant ions (m/z)								Relative abundances (%)								Name	Empirical Formula	Molecular ion, m/z (%)
27	107	109	26	28	79	81	93	100	80	80	15	10	5	5	5	1,2-Dibromoethane	C2H4Br2	M:186,188,190(1,2,1%)
29	44	43	45	42	26	89	27	100	85	55	45	15	10	10	5	*Metaldehyde	C8H16O4	M:176(0%)
30	101	127	44	142	99	70	56	100	80	80	50	45	45	40	30	Iprodione related v)	C6H10N2O2	M:142(45%)
36	38	56	270	272	243	142	29	100	35	25	15	15	10	10	10	*Triforine	C10H14Cl6N4O2	M:432,434,436(0,0,0%)
39	54	187	213	285	212	53	198	100	90	85	80	80	80	73	65	Vinclozolin	C12H9Cl2NO3	M:285,287(80,50%)
41	44	47	40	45	61	88	30	100	85	55	45	45	45	35	30	*Thiodicarb	C10H18N4O4S3	M:354(1%)
41	55	60	83	115	161	40	57	100	95	90	90	85	50	40	35	Thiofanox oxime	C7H15NOS	M:161(50%)
41	68	64	47	63	42	39	131	100	80	75	20	10	10	10	5	*Aldicarb sulphoxide	C7H14N2O3S	M:206(0%)
41	68	64	47	63	42	39	131	100	80	75	20	10	10	10	5	Aldicarb sulphoxide related	C5H9NOS	M:131(5%)
41	215	173	217	175	81	159	54	100	25	15	15	10	10	5	5	Imazalil	C14H14Cl2N2O	M:296,298(2,1%)
43	29	259	188	331	187	261	186	100	70	30	30	25	25	20	20	Chlozolinate	C13H11Cl2NO5	M:331,333,335(25,15,5%)
43	41	27	56	28	30	39	98	100	90	75	50	40	30	20	20	Benomyl related, n-BuNCO	C5H9NO	M:99(3%)
43	41	56	27	159	30	98	191	100	85	45	40	35	30	20	15	*Benomyl	C14H18N4O3	M:290(0%)
43	70	44	133	162	106	117	147	100	85	55	45	30	20	15	10	Tabun nerve agent (CW)	C5H11N2O2P	M:162(30%)
43	70	180	308	310	266	268	312	100	80	55	20	20	15	15	10	*Prochloraz	C15H16Cl3N3O2	M:375(0%)
43	86	268	128	270	143	145	84	100	85	20	20	15	10	10	5	Tri-allate	C10H16Cl3NOS	M:303,305,307(0,0,0%)
43	91	128	86	41	65	251	162	100	65	60	35	20	15	15	10	*Prosulfocarb	C14H21NOS	M:251(15%)
43	113	267	162	309	155	164	41	100	85	65	65	55	55	45	40	Prothiofos	C11H15Cl2O2PS2	M:344,346(1,1%)
43	127	213	171	129	154	41	27	100	50	15	15	15	15	15	10	Chlorpropham	C10H12ClNO2	M:213,215(15,5%)
43	158	97	41	139	126	74	93	100	90	70	60	50	50	40	40	Ethoprophos	C8H19O2PS2	M:242(25%)
43	211	41	163	240	205	147	212	100	45	15	10	10	10	10	5	Dinobuton	C14H18N2O7	M:326(0%)
43	211	240	44	163	147	117	205	100	10	10	10	5	5	5	5	Dinoseb acetate	C12H14N2O6	M:282(1%)
43	225	139	68	182	58	210	47	100	80	75	65	55	45	40	40	*Aziprotryne	C7H11N7S	M:225(80%)
44	30	29	70	111	167	128	183	100	90	40	30	30	20	15	10	Cymoxanil	C7H10N4O3	M:198(1%)
44	58	41	30	42	43	29	27	100	10	10	5	5	5	5	5	2-Aminobutane	C4H11N	M:73(1%)
44	135	153	92	199	243	286	200	100	65	45	45	40	20	20	20	Schradan	C8H24N4O3P2	M:286(20%)
44	196	181	117	152	42	154	198	100	85	50	50	40	30	30	25	Chlordimeform	C10H13ClN2	M:196,198(85,25%)

Eight most abundant ions (m/z)								Relative abundances (%)								Name	Empirical Formula	Molecular ion, m/z (%)
44	201	186	173	43	68	203	158	100	90	55	45	35	30	30	25	Simazine	C7H12ClN5	M:201,203(90,30%)
45	33	78	61	31	29	42	49	100	85	45	40	30	20	10	5	* Fluoroacetic acid	C2H3FO2	M:78(45%)
45	105	163	132	120	77	133	91	100	60	55	35	25	20	15	15	Oxadixyl	C14H18N2O4	M:278(10%)
45	160	188	237	224	146	202	132	100	45	40	15	15	10	10	10	Alachlor	C14H20ClNO2	M:269(5%)
45	206	192	220	249	234	146	160	100	35	25	20	20	15	15	15	Metalaxyl	C15H21NO4	M:279(10%)
54	43	39	53	27	118	76	59	100	70	50	35	35	25	20	15	Dimethipin	C6H10O4S2	M:210(5%)
57	29	41	310	312	219	196	211	100	40	40	15	15	15	10	10	2,4,5-T n-butyl	C12H13Cl3O3	M:310,312,314(15,15,5%)
57	41	29	310	312	196	198	211	100	35	30	10	10	10	10	10	2,4,5-T i-butyl	C12H13Cl3O3	M:310,312,314(10,10,3%)
57	43	71	41	70	256	254	55	100	70	50	40	40	25	25	25	2,4,5-T i-octyl	C16H21Cl3O3	M:366,368,370(12,12,4%)
57	56	41	220	29	85	175	222	100	40	25	20	20	15	15	15	2,4-D butoxyethyl	C14H18Cl2O4	M:320,322(8,5%)
57	71	43	181	209	210	211	254	100	85	65	25	25	20	20	15	Fluroxypyr-meptyl	C15H21Cl2FN2O3	M:366,368,370(10,7,2%)
57	71	43	220	70	41	222	332	100	65	65	50	40	35	25	20	2,4-D i-octyl	C16H22Cl2O3	M:332,334(20,15%)
57	97	153	29	125	41	199	186	100	85	55	50	50	40	35	30	*Terbufos sulphoxide	C9H21O3PS3	M:304(0%)
57	185	41	29	276	175	162	278	100	50	45	40	30	25	25	20	2,4-D n-butyl	C12H14Cl2O3	M:276,278(30,20%)
57	208	41	85	29	128	110	181	100	50	40	35	30	20	20	20	Triadimefon	C14H16ClN3O2	M:293,295(2,1%)
57	231	29	103	153	41	65	186	100	40	25	20	15	15	15	10	Terbufos	C9H21O2PS3	M:288(5%)
57	268	152	170	153	184	76	269	100	35	15	15	15	10	5	5	Bitertanol related	C18H20O2	M:268(35%)
57	288	204	41	29	184	232	290	100	50	30	30	25	20	15	15	Diniconazole ketone	C15H15Cl2N3O	M:323(0%)
58	31	42	59	129	188	72	84	100	20	10	10	5	5	5	5	*Propamocarb	C9H20N2O2	M:188(5%)
58	105	42	88	47	45	57	59	100	80	35	30	30	25	15	15	*Methomyl	C5H10N2O2S	M:162(1%)
58	105	47	45	42	88	31	59	100	55	45	45	45	35	35	20	*Methomyl oxime	C3H7NOS	M:105(55%)
58	213	121	185	255	96	43	138	100	60	55	40	40	40	30	20	Isofenphos	C15H24NO4PS	M:345(5%)
58	241	184	226	43	106	68	69	100	90	65	60	55	45	40	35	Prometryn	C10H19N5S	M:241(90%)
59	43	60	42	100	44	118	142	100	50	45	20	20	15	10	10	*Daminozide	C6H12N2O3	M:160(5%)
59	*72*	*55*	*41*	*67*	*83*	*126*	*98*	*100*	*45*	*35*	*25*	*15*	*15*	*10*	*10*	*oleamide*	*C18H35NO*	*M:281(5%)*
61	214	46	153	127	126	99	90	100	15	15	15	15	15	10	5	*Monolinuron	C9H11ClN2O2	M:214,216(15,5%)
61	248	46	250	187	200	189	202	100	10	10	5	5	5	2	2	Linuron	C9H10Cl2N2O2	M:248,250(10,6%)

Eight most abundant ions (m/z)								Relative abundances (%)								Name	Empirical Formula	Molecular ion, m/z (%)
63	69	156	42	140	65	110	92	100	90	85	85	65	50	50	50	*Triasulfuron	C14H16ClN5O5S	M:401,403(0,0%)
63	*249*	*251*	*27*	*143*	*205*	*65*	*223*	*100*	*85*	*45*	*45*	*40*	*40*	*35*	*25*	*tris-(2-chloroethyl) phosphate*	*C6H12Cl3O4P*	*M:284,286(0,0%)*
64	256	160	128	192	258	96	162	100	95	75	70	40	35	25	20	Sulphur	S8	M:256,258(95,35%)
66	91	263	261	265	79	101	293	100	40	40	30	30	30	25	20	Aldrin	C12H8Cl6	M:362,364,366(1,2,1%)
67	82	97	41	54	56	69	125	100	90	75	70	50	50	30	20	Hexythiazox related i)	C7H11NO	M:125(20%)
67	317	315	319	345	281	79	147	100	55	35	35	30	30	25	25	Endrin	C12H8Cl6O	M378,380,382(1,2,1%)
68	41	80	69	65	39	79	52	100	85	20	10	10	5	5	5	Aldoxycarb related	C5H9NO2S	M:147(0%)
68	41	115	100	41	47	69	73	100	80	70	70	70	20	10	10	Aldicarb related	C5H9NS	M:115(70%)
69	41	70	-	-	-	-	-	100	5	5	-	-	-	-	-	Dinocap	C18H24N2O6	M:364(0%)
69	140	110	42	58	139	43	68	100	75	70	55	25	20	20	15	Chlorsulfuron related i)	C5H8N4O	M:140(75%)
69	*149*	*151*	*41*	*55*	*70*	*121*	*123*	*100*	*85*	*85*	*40*	*15*	*10*	*5*	*5*	*dibromopentane*	*C5H10Br2*	*M:228(0%)*
69	173	259	41	175	261	191	128	100	50	40	40	30	25	20	15	Propiconazole	C15H17Cl2N3O2	M:341(0%)
72	44	47	98	48	162	115	145	100	80	50	50	35	20	20	20	Oxamyl oxime	C5H10N2O2S	M:162(20%)
72	44	162	115	57	145	47	98	100	95	55	35	35	25	25	20	*Oxamyl	C7H13N3O3S	M:219(0%)
72	44	212	45	77	132	167	104	100	20	10	10	10	5	5	5	*Chlorotoluron	C10H13ClN2O	M:212,214(10,3%)
72	146	206	191	161	128	91	57	100	50	30	20	15	15	10	10	*Isoproturon	C12H18N2O	M:206(30%)
72	167	165	239	152	166	168	240	100	60	25	20	20	15	5	5	Diphenamid	C16H17NO	M:239(5%)
72	198	153	45	200	44	125	155	100	50	20	15	15	10	5	5	*Monuron	C9H11ClN2O	M:198,200(50,15%)
72	232	234	44	73	187	189	45	100	15	10	5	5	5	5	5	*Diuron	C9H10Cl2N2O	M:232,234(15,10%)
73	72	45	35	44	70	74	75	100	50	25	10	10	5	5	5	Methyl isothiocyanate	C2H3NS	M:73(100%)
73	*163*	*237*	*89*	*341*	*59*	*253*	*429*	*100*	*65*	*60*	*35*	*30*	*25*	*20*	*20*	*silicones, linear (e.g. Si6)*	*C14H42O7Si6*	*M:490(0%)*
73	*429*	*147*	*221*	*355*	*281*	*430*	*431*	*100*	*45*	*35*	*25*	*25*	*15*	*15*	*15*	*silicones, cyclic (e.g. Si9)*	*C18H54O9Si9*	*M:666(0%)*
74	75	171	111	138	109	47	244	100	70	45	30	15	15	15	15	Phorate oxon	C7H17O3PS2	M:244(15%)
74	75	143	41	76	125	47	109	100	33	9	7	6	5	4	3	Demephion-O	C5H13O3PS2	M:216(0.5%)
74	142	112	75	109	41	76	79	100	15	13	12	10	9	8	7	Demephion-S	C5H13O3PS2	M:216(3%)
75	121	97	93	47	260	65	29	100	25	10	10	10	10	10	5	Phorate	C7H17O2PS3	M:260(10%)
77	51	50	279	277	78	-	-	100	35	15	5	5	5	-	-	*Phenylmercury acetate	C8H8HgO2	M:338(0%)

Molecular ion m/z underlined *Contaminants in italics* * denotes poor/negligible GC transmission

Eight most abundant ions (m/z)								Relative abundances (%)								Name	Empirical Formula	Molecular ion, m/z (%)
77	*78*	*79*	-	-	-	-	-	*100*	*6*	*4*	-	-	-	-	-	*dimethylsilanediol*	*C2H8O2Si*	*M:92(0%)*
79	80	78	77	107	183	149	150	100	35	15	15	10	10	10	10	Captafol	C10H9Cl4NO2S	M:347,349,351(2,3,1%)
79	82	81	108	263	277	279	77	100	30	25	15	15	10	10	10	Dieldrin	C12H8Cl6O	M:378,380,382,384(3,6,5,2%)
79	149	80	77	117	119	107	78	100	40	30	25	25	25	25	20	Captan	C9H8Cl3NO2S	M:299,301,303(2,2,1%)
79	151	80	77	123	39	78	122	100	85	65	20	20	20	20	15	Captafol/captan related	C8H9NO2	M:151(85%)
81	133	209	132	134	211	117	277	100	90	75	65	45	25	15	15	Metazachlor	C14H16ClN3O	M:277,279(15,5%)
82	81	109	65	27	44	47	91	100	30	25	25	20	15	10	10	*Ethephon	C2H6ClO3P	M:144,146(0,0%)
83	55	41	57	29	81	113	120	100	85	65	30	25	20	15	10	Thiofanox sulphone oxime	C7H15NO3S	M:193(0%)
83	55	41	57	113	58	45	81	100	55	35	30	25	25	25	15	*Thiofanox sulphone	C9H18N2O4S	M:250(0%)
83	55	82	39	-	-	-	-	100	15	5	5	-	-	-	-	Binapacryl	C15H18N2O6	M:322(0%)
83	154	55	41	72	215	186	27	100	55	40	15	15	5	5	5	Cycloate	C11H21NOS	M:215(5%)
84	28	57	43	42	85	-	-	100	45	40	20	15	3	-	-	*Aminotriazole	C2H4N	M:84(100%)
84	162	133	161	85	42	-	-	100	20	15	10	5	5	-	-	Nicotine	C10H14N2	M:162(20%)
86	41	85	58	68	55	43	143	100	50	40	30	25	15	15	10	*Aldoxycarb	C7H14N2O4S	M:222(0%)
86	41	85	144	58	87	76	100	100	70	55	50	45	40	30	30	*Aldicarb	C7H14N2O2S	M:190(0%)
86	42	28	57	108	27	69	149	100	80	60	55	25	25	20	10	Butoxycarboxim related	C5H11NO3S	M:165(0%)
86	99	87	109	71	42	58	141	100	50	20	15	15	10	10	10	Amiton / VG nerve agent (CW)	C10H24NO3PS	M:269(0%)
87	41	74	55	44	144	42	75	100	75	60	60	55	55	55	50	*Butocarboxim	C7H14N2O2S	M:190(0.5%)
87	57	42	41	55	133	71	75	100	75	55	40	35	30	25	25	Butocarboxim related	C5H11NOS	M:133(30%)
87	93	125	229	143	47	79	104	100	35	30	5	5	5	5	5	Dimethoate	C5H12NO3PS2	M:229(5%)
87	145	146	142	109	88	58	60	100	45	20	15	15	15	10	10	*Vamidothion	C8H18NO4PS2	M:287(1%)
87	169	109	125	58	142	86	79	100	40	25	20	15	10	10	10	*Vamidothion sulphone	C8H18NO6PS2	M:319(1%)
88	43	240	44	120	42	73	121	100	40	35	35	30	30	20	20	*Thiram	C6H12N2S4	M:240(35%)
88	60	29	89	61	114	115	93	100	42	14	13	13	10	9	9	Demeton-S	C8H19O3PS2	M:258(0.8%)
88	60	142	109	89	61	79	112	100	54	12	12	10	9	8	8	Demeton-S-methyl	C6H15O3PS2	M:230(1%)
88	89	60	61	29	171	115	59	100	53	39	27	12	10	9	8	Demeton-O	C8H19O3PS2	M:258(0.3%)
88	89	60	61	153	186	142	274	100	35	20	15	10	10	10	10	Disulfoton	C8H19O2PS3	M:274(10%)

Eight most abundant ions (m/z)								Relative abundances (%)								Name	Empirical Formula	Molecular ion, m/z (%)
88	89	60	125	61	246	90	158	100	20	20	10	10	5	5	5	Thiometon	C6H15O2PS3	M:246(5%)
91	57	190	106	92	134	142	233	100	60	25	10	5	5	5	5	Tebutam	C15H23NO	M:233(5%)
91	204	41	123	122	107	246	45	100	35	25	15	15	10	10	10	Iprobenfos	C13H21O3PS	M:288(5%)
92	65	200	39	93	108	64	121	100	65	45	30	25	15	10	5	Dichlofluanid related	C8H12N2O2S	M:200(45%)
92	140	196	60	168	255	81	227	100	65	55	55	45	35	30	25	Phosfolan	C7H14NO3PS2	M:255(35%)
93	43	119	179	137	120	91	65	100	85	55	50	40	35	25	20	Propham	C10H13NO2	M:179(50%)
93	125	282	63	79	47	173	188	100	40	20	20	20	20	10	10	Tetramethyl pyrophosphorotrithioate	C4H12O4P2S3	M:282(20%)
93	230	121	110	65	109	29	185	100	25	25	25	25	20	20	5	Fonofos oxon	C10H15O2PS	M:230(25%)
94	95	141	64	47	79	46	110	100	60	40	20	20	10	10	5	*Methamidophos	C2H8NO2PS	M:141(40%)
94	96	15	93	95	79	81	91	100	95	45	20	15	5	5	5	Methyl bromide	CH3Br	M:94,96(100,95%)
94	246	110	109	97	105	141	190	100	78	63	43	26	20	17	17	O,O-Diethyl-O-phenyl phosphorothioate	C10H15O3PS	M:246(78%)
95	242	152	301	180	146	39	132	100	30	10	10	10	10	10	10	Furalaxyl	C17H19NO4	M:301(10%)
96	97	107	143	68	79	29	106	100	85	80	50	50	50	40	35	*Thionazin	C8H13N2O3PS	M:248(20%)
96	283	67	68	41	53	285	39	100	35	35	35	25	25	25	15	Procymidone	C13H11Cl2NO2	M:283,285(35,25%)
97	55	125	181	208	83	209	141	100	55	45	40	30	30	20	20	Fenpropathrin	C22H23NO3	M:349(5%)
97	*57*	*99*	*43*	*83*	*123*	*69*	*137*	*100*	*60*	*20*	*20*	*15*	*15*	*15*	*10*	*unidentified GC vial septum contaminant*	*C?H?O?*	*M:292(5%)*
97	121	65	93	125	29	338	153	100	90	80	65	50	50	45	35	Tetraethyl pyrophosphorotrithioate	C8H20O4P2S3	M:338(45%)
97	121	154	65	29	93	234	47	100	90	50	50	50	35	30	25	Chlormephos	C5H12ClO2PS2	M:234,236(30,10%)
97	125	153	199	29	65	171	75	100	85	80	75	20	15	15	10	*Phorate sulphoxide	C7H17O3PS3	M:276(0%)
97	125	153	271	65	185	270	86	100	60	70	65	35	30	25	15	Dioxathion	C12H26O6P2S4	M:456(0%)
97	153	199	125	109	171	65	45	100	80	70	70	30	20	20	20	Carbophenothion sulphoxide	C11H16ClO3PS3	M:358(0%)
97	197	199	314	316	125	258	286	100	80	80	60	50	40	30	30	Chlorpyrifos	C9H11Cl3NO3PS	M:349,351,353(2,2,1%)
97	279	223	162	109	251	164	125	100	80	75	50	45	35	35	30	Dichlofenthion	C10H13Cl2O3PS	M:314,316(0,0%)
97	359	29	303	357	301	125	242	100	50	50	40	40	30	25	25	Bromophos-ethyl	C10H12BrCl2O3PS	M:392(0%)
97	341	125	285	343	109	153	313	100	85	56	53	36	33	32	32	Chlorthiophos I sulphoxide	C11H15Cl2O4PS2	M: 376,378,380(0.2,0.2,0.1%)
97	341	269	325	271	343	285	297	100	86	80	58	40	37	36	34	Chlorthiophos III sulphoxide	C11H15Cl2O4PS2	M: 376,378,380(1.0,0.8,0.2%)
97	357	301	125	109	329	359	240	100	81	60	49	46	39	35	32	Chlorthiophos III sulphone	C11H15Cl2O5PS2	M:392,394,396(4,3,1%)

Eight most abundant ions (m/z)								Relative abundances (%)								Name	Empirical Formula	Molecular ion, m/z (%)
97	313	257	315	259	125	285	109	100	64	59	47	40	35	33	33	O,O-Diethyl-O-(2,4,5-trichlorophenyl) phosphorothioate	C10H12Cl3O3PS	M:348(0%)
98	42	72	69	58	97	83	54	100	60	55	50	45	45	30	35	Oxamyl metabolite, DMCF	C4H6N2O	M:98(100%)
98	99	41	55	273	42	-	-	100	5	5	5	2	2	-	-	Fenpropidin	C19H31N	M:273(2%)
99	67	54	41	39	82	81	55	100	20	15	10	5	5	5	5	Cyclosarin nerve agent (CW)	C7H14FO2P	M:180(0%)
99	125	81	43	41	39	-	-	100	35	10	10	10	5	-	-	Sarin / GB nerve agent (CW)	C4H10FO2P	M:140(0%)
98	271	184	157	156	125	82	309	100	30	30	25	25	20	15	15	*Hexythiazox	C17H21ClN2O2S	M:352,354(5,2%)
99	*155*	*211*	*125*	*57*	*41*	*137*	*56*	*100*	*25*	*10*	*5*	*5*	*5*	*5*	*2*	*tri-n-butyl phosphate*	*C12H27O4P*	*M:266(0%)*
100	59	43	60	42	44	118	142	15	100	50	45	20	20	10	10	*Daminozide	C6H12N2O3	M:160(5%)
100	272	274	65	102	270	237	135	100	60	45	35	30	30	20	15	Heptachlor	C10H5Cl7	M:370,372,374,376(2,6,7,3%)
101	30	127	44	142	99	70	56	80	100	80	50	45	45	40	30	Iprodione related v)	C6H10N2O2	M:142(45%)
102	30	73	45	42	72	103	104	100	30	15	10	10	10	5	5	*Ethylene thiourea (ETU)	C3H6N2S	M:102(100%)
103	109	135	76	77	81	298	50	100	50	40	30	30	30	10	10	*Phoxim	C12H15N2O3PS	M:298(10%)
103	130	129	76	51	104	77	27	100	45	30	25	25	20	15	15	Phoxim related	C8H6N2	M:130(45%)
103	311	313	309	105	375	377	275	100	65	50	30	30	25	25	25	Isobenzan	C9H4Cl8O	M:408,410,412,414(2,5,5,3%)
104	42	202	77	30	174	63	89	100	65	60	40	40	35	25	90	*Metamitron	C10H10N4O	M:202(60%)
104	76	260	130	117	262	79	147	100	80	55	55	55	50	35	25	Folpet	C9H4Cl3NO2S	M:295,297,299(10,10,3%)
105	45	163	132	120	77	133	91	60	100	55	35	25	20	15	15	Oxadixyl	C14H18N2O4	M:278(10%)
105	58	42	88	47	45	57	59	80	100	35	30	30	25	15	15	*Methomyl	C5H10N2O2S	M:162(1%)
105	58	47	45	42	88	31	59	55	100	45	45	45	35	35	20	*Methomyl oxime	C3H7NOS	M:105(55%)
105	172	57	106	104	77	41	83	100	55	50	45	40	40	35	30	Buprofezin	C16H23N3OS	M:305(20%)
106	214	79	77	107	78	135	92	100	50	40	25	15	10	5	5	Tolylfluanid related	C9H14N2O2S	M:214(50%)
107	27	109	26	28	79	81	93	80	100	80	15	10	5	5	5	1,2-Dibromoethane	C2H4Br2	M:186,188,190(1,2,1%)
107	79	80	78	77	183	149	150	10	100	35	15	15	10	10	10	Captafol	C10H9Cl4NO2S	M:347,349,351(2,3,1%)
107	96	97	143	68	79	29	106	80	100	85	50	50	50	40	35	*Thionazin	C8H13N2O3PS	M:248(20%)
107	121	149	167	93	150	135	91	100	80	70	50	50	30	20	20	Cinerin II	C21H28O5	M:360(1%)
107	168	78	57	77	106	108	62	100	30	20	20	15	10	10	10	*Ethiofencarb	C11H15NO2S	M:225(2%)
107	200	77	78	79	108	52	-	100	10	10	5	5	5	5	-	*Ethiofencarb sulphone	C11H15NO4S	M:257(0%)

Eight most abundant ions (m/z)								Relative abundances (%)								Name	Empirical Formula	Molecular ion, m/z (%)
107	235	203	139	123	314	112	237	100	80	80	70	40	40	30	25	Nuarimol	C17H12ClFN2O	M:314,316(40,10%)
108	79	82	81	263	277	279	77	15	100	30	25	15	10	10	10	Dieldrin	C12H8Cl6O	M:378,380,382,384(3,6,5,2%)
108	80	69	41	65	149	86	134	100	70	60	60	35	25	25	20	*Butoxycarboxim	C7H14N2O4S	M:222(0%)
108	86	42	28	57	27	69	149	25	100	80	60	55	25	20	10	Butoxycarboxim related	C5H11NO3S	M:165(0%)
109	79	110	145	80	139	112	82	100	85	45	35	30	30	25	20	*Trichlorfon	C4H8Cl3O4P	M:256(0%)
109	79	185	47	145	220	187	222	100	15	15	10	10	5	5	5	Dichlorvos	C4H7Cl2O4P	M:220,222(5,3%)
109	81	149	275	99	139	127	247	100	95	95	60	55	45	45	20	Parathion oxon, “Paraoxon”	C10H14NO6P	M:275(60%)
109	82	81	65	27	44	47	91	25	100	30	25	20	15	10	10	*Ethephon	C2H6ClO3P	M:144,146(0,0%)
109	86	99	87	71	42	58	141	15	100	50	20	15	10	10	10	Amiton / VG nerve agent (CW)	C10H24NO3PS	M:269(0%)
109	96	79	30	63	230	247	200	100	75	35	35	30	20	15	15	Parathion-methyl oxon, “Paraoxon methyl”	C8H10NO6P	M:247(15%)
109	111	63	158	27	47	65	160	100	40	35	25	25	20	15	15	Mustard Gas (CW)	C4H8Cl2S	M:158,160,162(25,15,5%)
109	125	215	155	183	139	61	45	100	80	60	50	40	35	30	30	*Azamethiphos	C9H10ClN2O5PS	M:324,326(15,5%)
109	125	243	79	47	93	63	102	100	60	50	30	30	15	15	10	Cyanophos	C9H10NO3PS	M:243(50%)
109	125	263	79	93	47	63	200	100	80	65	30	20	20	10	5	Parathion-methyl	C8H10NO5PS	M:263(65%)
109	137	246	110	81	63	174	77	100	60	35	20	15	10	5	5	Fonofos	C10H15OPS2	M:246(35%)
109	145	79	147	185	301	47	189	100	40	20	15	10	10	10	10	Naled	C4H7Br2Cl2O4P	M:378,380,382(0%)
109	181	183	219	111	217	221	185	100	90	85	85	70	65	40	25	beta-HCH	C6H6Cl6	M:288,290,292(1,2,1%)
109	183	75	137	155	139	81	127	100	46	35	25	25	25	20	20	*Phorate oxon sulphoxide	C7H17O4PS2	M:260(0%)
109	183	139	81	137	75	155	127	100	61	32	31	29	27	21	15	Carbophenothion oxon sulphoxide	C11H16ClO4PS2	M:342,344(0,0%)
109	183	139	137	81	75	155	127	100	90	40	30	30	30	30	20	Phorate oxon sulphone	C7H17O5PS2	M:276(0%)
109	197	141	29	81	61	169	45	100	95	73	40	32	28	28	27	Demeton-S sulphone	C8H19O5PS2	M:290(0%)
109	197	141	29	81	137	45	61	100	89	77	28	27	26	24	23	Demeton-S sulphoxide	C8H19O4PS2	M:274(0%)
109	244	79	127	63	261	90	77	100	55	20	15	15	15	15	15	Fenitrothion oxon	C9H12NO6P	M:261(15%)
109	297	269	93	299	271	81	137	100	40	30	25	20	20	20	15	Trichloronat	C10H12Cl3O2PS	M:332,334(0,0%)
109	329	331	333	79	240	204	93	100	65	65	20	15	10	10	5	Tetrachlorvinphos	C10H9Cl4O4P	M:364,366,368(0.5,1,0.5%)
110	57	41	39	52	56	152	80	100	50	35	25	20	20	15	10	Propoxur	C11H15NO3	M:209(1%)
110	109	79	80	113	47	145	137	100	30	30	15	10	10	10	5	Ethephon, dimethyl	C4H10ClO3P	M:172,174(0,0%)

Eight most abundant ions (m/z)								Relative abundances (%)								Name	Empirical Formula	Molecular ion, m/z (%)
111	44	30	29	70	167	128	183	30	100	90	40	30	20	15	10	Cymoxanil	C7H10N4O3	M:198(1%)
111	75	128	191	113	175	50	92	100	75	55	55	30	25	25	20	Chlorsulfuron related ii)	C6H6ClNO2S	M:191,193(55,15%)
111	175	69	74	140	42	110	112	100	55	55	50	40	40	40	35	*Chlorsulfuron	C12H12ClN5O4S	M:357(0%)
112	82	55	26	54	27	29	41	100	80	40	25	25	20	20	10	*Maleic hydrazide	C4H4N2O2	M:112(100%)
112	168	128	70	57	43	130	169	100	90	35	35	30	15	10	10	*Triadimenol	C14H18ClN3O2	M:295(0%)
113	43	267	162	309	155	164	41	85	100	65	65	55	55	45	40	Prothiofos	C11H15Cl2O2PS2	M:344,346(1,1%)
113	83	55	41	57	29	81	120	15	100	85	65	30	25	20	10	Thiofanox sulphone oxime	C7H15NO3S	M:193(0%)
113	83	55	41	57	58	45	81	25	100	55	35	30	25	25	15	*Thiofanox sulphone	C9H18N2O4S	M:250(0%)
114	88	60	29	89	61	115	93	13	100	42	14	13	10	9		Demeton-S	C8H19O3PS2	M:258(0.8%)
115	41	55	60	83	161	40	57	85	100	95	90	90	50	40	35	Thiofanox oxime	C7H15NOS	M:161(50%)
115	41	57	83	61	55	42	87	100	95	90	65	65	60	45	35	*Thiofanox	C9H18N2O2S	M:218(0%)
115	68	41	100	41	47	69	73	70	100	80	70	70	20	10	10	Aldicarb related	C5H9NS	M:115(70%)
115	185	187	149	51	387	389	117	100	75	70	50	40	40	40	30	Oxychlordane	C10H4Cl8O	M:420,422,424(2,4,5%)
117	119	121	82	47	84	35	49	100	95	35	30	25	20	15	10	Carbon tetrachloride	CCl4	M:152,154,156(0,0,0%)
116	131	59	132	145	222	186	206	100	60	45	30	25	20	20	20	Trifloxystrobin	C20H19F3N2O4	M:408(0,0%)
116	131	206	59	132	89	117	77	100	55	50	20	20	15	15	15	Kresoxim-methyl	C18H19NO4	M:313(3%)
118	54	43	39	53	27	76	59	25	100	70	50	35	35	20	15	Dimethipin	C6H10O4S2	M:210(5%)
119	44	45	29	72	91	73	120	100	35	35	30	25	25	25	20	Carbetamide	C12H16N2O3	M:236(5%)
119	93	43	179	137	120	91	65	55	100	85	50	40	35	25	20	Propham	C10H13NO2	M:179(50%)
119	175	43	91	93	147	64	267	100	90	60	20	20	20	15	20	*Oxycarboxin	C12H13NO4S	M:267(20%)
119	198	161	92	121	182	64	225	100	80	50	45	30	20	20	15	Bentazone	C10H12N2O3S	M:240(15%)
120	176	93	57	77	43	169	196	100	40	35	30	25	25	15	10	Propachlor	C11H14ClNO	M:211,213(10,3%)
121	75	97	93	47	260	65	29	25	100	10	10	10	10	10	5	Phorate	C7H17O2PS3	M:260(10%)
121	97	45	153	191	125	65	199	100	80	75	65	50	50	45	40	Phenkapton	C11H15Cl2O2PS3	M:376,378,380(15,10,3%)
121	97	65	93	125	29	338	153	90	100	80	65	50	50	45	35	Tetraethyl pyrophosphorotrithioate	C8H20O4P2S3	M:338(45%)
121	162	132	147	293	120	106	161	100	85	65	50	45	30	25	20	Amitraz	C19H23N3	M:293(45%)
121	197	54	65	29	93	234	47	90	100	50	50	50	35	30	25	Chlormephos	C5H12ClO2PS2	M:234,236(30,10%)

Eight most abundant ions (m/z)								Relative abundances (%)								Name	Empirical Formula	Molecular ion, m/z (%)
121	200	57	137	185	91	56	77	100	80	75	45	40	30	25	20	Methiocarb sulphone	C11H15NO4S	M:257(0%)
121	200	185	137	91	77	39	65	100	90	60	55	35	25	10	10	Methiocarb sulphone related	C9H12O3S	M:200(90%)
122	107	121	77	79	57	91	123	100	45	15	15	10	5	5	5	Xylylcarb	C10H13NO2	M:179(2%)
123	93	79	135	41	107	81	168	100	25	25	20	20	20	15	10	Pyrethrin I	C21H28O3	M:328(1%)
123	97	57	99	43	83	69	137	15	100	60	20	20	15	15	10	unidentified GC vial septum contaminant	C?H?O?	M:292(5%)
123	150	121	93	81	43	107	168	100	30	30	25	25	20	20	10	Cinerin I	C20H28O3	M:316(1%)
123	164	81	93	55	41	107	135	100	30	20	20	20	20	15	15	Jasmolin I	C21H30O3	M:330(1%)
123	167	224	226	92	124	77	108	100	50	40	30	20	15	15	10	Dichlofluanid	C9H11Cl2FN2O2S2	M:332,334(7,5%)
123	171	143	128	91	81	43	172	100	50	35	35	30	30	30	15	Resmethrin	C22H26O3	M:338(5%)
123	183	81	184	43	124	350	168	100	55	20	15	10	10	5	5	Phenothrin	C23H26O3	M:350(5%)
123	209	181	77	43	80	198	141	100	50	30	30	25	25	20	20	Cyphenothrin	C24H25NO3	M:375(5%)
124	89	126	127	215	250	109	252	100	35	35	20	15	15	10	5	Heptenophos	C9H21ClO4P	M:250,252(15,5%)
124	233	108	109	93	79	63	31	100	95	85	75	60	55	35	35	Parathion-methyl, Amino-	C8H12NO3PS	M:233(50%)
125	67	82	97	41	54	56	69	20	100	90	75	70	50	50	30	Hexythiazox related i)	C7H11NO	M:125(20%)
125	70	250	83	57	127	252	163	100	80	70	60	45	30	25	20	Tebuconazole	C16H22ClN3O	M:307,309(5,2%)
125	87	93	229	143	47	79	104	30	100	35	5	5	5	5	5	Dimethoate	C5H12NO3PS2	M:229(5%)
125	88	89	60	61	246	90	158	10	100	20	20	10	5	5	5	Thiometon	C6H15O2PS3	M:246(5%)
125	93	282	63	79	47	173	188	40	100	20	20	20	20	10	10	Tetramethyl pyrophosphorotrithioate	C4H12O4P2S3	M:282(20%)
125	97	55	181	208	83	209	141	45	100	55	40	30	30	20	20	Fenpropathrin	C22H23NO3	M:349(5%)
125	99	181	121	127	153	155	29	100	85	73	45	45	44	43	34	Demeton-O oxon sulphone	C8H19O3PS	M:274(2%)
125	109	108	29	97	80	65	261	100	95	85	75	60	55	35	35	Parathion, Amino-	C10H16NO3PS	M:261(35%)
125	109	277	260	79	47	93	63	100	90	50	30	30	35	35	15	Fenitrothion	C9H12NO5PS	M:277(50%)
125	169	79	109	111	63	47	107	100	65	43	18	11	11	11	11	Demephion-O sulphone	C5H13O5PS2	M:248(1%)
125	180	93	208	240	110	79	209	100	60	60	55	55	35	30	20	Methacrifos	C7H13O5PS	M:240(55%)
125	185	93	157	29	158	186	61	100	55	35	20	15	10	10	10	Thiometon sulphone	C6H15O2PS3	M:278(0.5%)
125	185	157	93	59	159	187	88	100	85	80	15	15	10	10	5	*Thiometon sulphoxide	C6H15O2PS3	M:262(0%)
125	197	53	199	29	65	171	75	85	100	80	75	20	15	15	10	*Phorate sulphoxide	C7H17O3PS3	M:276(0%)

Eight most abundant ions (m/z)								Relative abundances (%)								Name	Empirical Formula	Molecular ion, m/z (%)
125	197	53	271	65	185	270	86	60	100	70	65	35	30	25	15	Dioxathion	C12H26O6P2S4	M:456(0%)
125	213	153	97	185	61	157	29	100	85	80	80	60	40	35	25	*Disulfoton sulphoxide	C8H19O3PS3	M:290(0.5%)
125	286	288	79	47	93	109	290	100	90	60	35	30	25	20	15	Chlorpyrifos-methyl	C7H7Cl3NO3PS	M:321,323,325(5,5,2%)
125	310	109	93	136	105	79	137	100	95	60	35	35	30	25	15	Fenthion sulphone	C10H15O5PS2	M:310(95%)
125	434	109	93	233	435	482	466	100	65	25	23	15	15	15	10	*Temephos sulphoxide	C16H20O7P2S3	M:482(15%)
126	*59*	*72*	*55*	*41*	*67*	*83*	*98*	*10*	*100*	*45*	*35*	*25*	*15*	*15*	*10*	*oleamide*	*C18H35NO*	*M:281(5%)*
126	93	125	87	170	115	224	257	100	70	50	50	35	20	15	15	Formothion	C6H12NO4PS2	M:257(15%)
126	99	82	69	41	57	43	83	100	85	55	50	35	20	15	15	Soman / GD nerve agent (CW)	C7H16FO2P	M:182(0%)
126	151	166	39	51	52	108	123	100	90	60	25	20	15	15	10	Bendiocarb related	C9H10O3	M:166(60%)
127	43	213	171	129	154	41	27	50	100	15	15	15	15	15	10	Chlorpropham	C10H12ClNO2	M:213,215(15,5%)
127	57	43	41	29	128	88	371	100	90	30	15	10	10	5	5	Ioxynil octanoate	C15H17I2NO2	M:497(0.5%)
127	67	97	192	109	58	193	223	100	35	20	15	15	15	10	5	Monocrotophos	C7H14NO5P	M:223(5%)
127	72	264	138	109	67	193	158	100	60	25	25	20	15	10	10	Phosphamidon	C10H19ClNO5P	M:299(0%)
127	99	109	55	142	195	268	79	100	45	25	20	15	15	15	15	Malaoxon	C10H19O7PS	M:314(1%)
127	99	55	128	173	47	283	79	100	50	30	25	20	20	20	15	Isomalathion, see malathion	C10H19O6PS2	M:330(1%)
127	129	65	92	-	-	-	-	100	35	25	15	-	-	-	-	Diflubenzuron related i)	C6H6ClN	M:127,129(100,35%)
127	145	109	72	271	43	147	110	100	30	25	15	15	15	10	10	Phosphamidon, N-desethyl	C8H15ClNO5P	M:271,273(15,5%)
127	192	109	67	164	193	141	79	100	30	20	15	10	5	5	5	Mevinphos	C7H13O6P	M:224(2%)
128	43	91	86	41	65	251	162	60	100	65	35	20	15	15	10	*Prosulfocarb	C14H21NOS	M:251(15%)
128	43	129	42	303	-	-	-	100	10	10	5	5	-	-	-	Fenpropimorph	C20H33NO	M:303(5%)
128	129	43	55	115	70	84	297	100	10	5	5	5	5	5	2	Tridemorph	C19H39NO	M:297(2%)
128	141	268	130	270	143	233	77	100	60	40	35	25	20	15	15	*Dichlorophen	C13H10Cl2O2	M:268,270(40,25%)
129	*57*	*70*	*71*	*112*	*147*	*113*	*55*	*100*	*40*	*35*	*30*	*25*	*15*	*15*	*15*	*bis(2-ethylhexyl) adipate*	*C22H42O4*	*M:370(1%)*
129	58	31	42	59	188	72	84	5	100	20	10	10	5	5	5	*Propamocarb	C9H20N2O2	M:188(5%)
130	214	43	172	131	75	41	256	100	80	50	50	50	50	50	20	Bensulide related	C9H21O2PS2	M:256(20%)
130	299	148	209	243	194	271	102	100	85	75	60	55	50	35	25	Ditalimfos	C12H14NO4PS	M:299(85%)
131	41	68	64	47	63	42	39	5	100	80	75	20	10	10	10	*Aldicarb sulphoxide	C7H14N2O3S	M:206(0%)

Eight most abundant ions (m/z)								Relative abundances (%)								Name	Empirical Formula	Molecular ion, m/z (%)
131	41	68	64	47	63	42	39	5	100	80	75	20	10	10	10	Aldicarb sulphoxide related	C5H9NOS	M:131(5%)
131	159	97	160	125	329	116	121	100	70	60	50	45	35	35	35	Mecarbam	C10H20NO5PS2	M:329(35%)
132	160	77	105	104	97	129	65	100	75	65	25	25	20	15	15	Azinphos-ethyl	C12H16N3O3PS2	M:345(0%)
132	160	232	281	77	146	105	204	100	85	70	50	50	45	45	40	Ofurace	C14H16ClNO3	M:281,283(50,15%)
132	164	111	77	133	104	75	325	100	25	11	9	9	6	5	4	Pyraclostrobin	C19H18ClN3O4	M:387,389(0,0%)
133	81	209	132	134	211	117	277	90	100	75	65	45	25	15	15	Metazachlor	C14H16ClN3O	M:277,279(15,5%)
133	87	57	42	41	55	71	75	30	100	75	55	40	35	25	25	Butocarboxim related	C5H11NOS	M:133(30%)
133	134	105	106	79	132	78	90	100	20	20	15	10	5	5	5	Carbendazim related	C7H7N3	M:133(100%)
133	135	167	104	132	78	52	122	100	65	50	40	30	20	15	10	*Phenmedipham	C16H16N2O4	M:300(0%)
133	160	161	107	166	91	105	41	100	85	80	80	75	70	55	45	Pyrethrin II	C22H28O5	M:372(1%)
135	44	153	92	199	243	286	200	65	100	45	45	40	20	20	20	Schradan	C8H24N4O3P2	M:286(20%)
135	81	173	39	57	41	150	350	100	50	50	50	50	45	20	15	Propargite	C19H26O4S	M:350(15%)
135	*108*	*69*	*82*	*63*	*91*	*45*	*54*	*100*	*40*	*25*	*15*	*10*	*10*	*10*	*10*	*benzothiazole*	*C7H5NS*	*M:135(100%)*
135	150	57	91	136	107	117	151	100	65	15	15	10	10	10	10	Promecarb	C12H17NO2	M:207(1%)
136	42	43	94	41	95	96	47	100	80	50	50	30	30	25	25	*Acephate	C4H10NO3PS	M:183(5%)
137	102	75	139	77	138	103	302	100	50	30	30	15	10	5	5	Clofentezine	C14H8Cl2N4	M:302,304(5,3%)
137	180	147	151	162	57	161	39	100	45	25	20	20	15	10	10	*Carbofuran, 3-hydroxy	C12H15NO4	M:237(2%)
137	238	181	240	106	45	214	92	100	40	35	25	15	15	10	10	Tolylfluanid	C10H13Cl2FN2O2S2	M:346(5,3%)
138	44	194	236	110	122	156	111	100	60	35	25	25	25	15	15	Propetamphos	C10H20NO4PS	M:281(0%)
138	111	198	170	109	82	93	142	100	80	60	55	50	35	35	30	Triethyl-(O,O,S) phosphorothioate	C6H15O3PS	M:198(60%)
139	43	97	208	339	337	206	125	100	90	85	70	55	55	45	45	Profenofos	C11H15BrClO3PS	M:372,374,376(25,30,10%)
139	107	219	251	330	141	253	111	100	80	65	50	30	30	30	25	Fenarimol	C17H12Cl2N2O	M:330,332(30,20%)
139	141	111	250	252	75	113	215	100	35	30	30	20	15	10	10	Dicofol related	C13H8Cl2O	M:250,252(30,20%)
139	251	253	111	141	75	252	140	100	60	45	35	30	15	10	10	*Dicofol	C14H9Cl5O	M:368(0%)
139	251	43	253	111	141	75	266	100	95	90	60	40	35	30	15	Chlorfenethol	C14H12Cl2O	M:266,268(15,5%)
140	69	110	42	58	139	43	68	75	100	70	55	25	20	20	15	Chlorsulfuron related i)	C5H8N4O	M:140(75%)
140	92	196	60	168	255	81	227	65	100	55	55	45	35	30	25	Phosfolan	C7H14NO3PS2	M:255(35%)

Eight most abundant ions (m/z)								Relative abundances (%)								Name	Empirical Formula	Molecular ion, m/z (%)
140	112	142	342	253	289	342	344	100	30	30	15	10	10	10	10	Boscalid	C18H12Cl2N2O	M:342,344,346(15,10,5)
140	196	81	46	109	168	45	29	100	85	55	50	50	45	45	35	Fosthietan	C6H12NO3PS2	M:241(0%)
140	306	139	43	125	156	307	97	100	90	35	20	20	15	15	15	Sulprofos oxon	C12H19O3PS2	M:306(90%)
141	43	71	143	41	140	142	239	100	70	65	30	20	15	15	15	Pentanochlor	C13H18ClNO	M:239,241(15,5%)
141	*77*	*170*	*30*	*158*	*171*	*78*	*213*	*100*	*95*	*85*	*20*	*15*	*10*	*10*	*5*	*N-butylbenzenesulphonamide*	*C10H15NO2S*	*M:213(5%)*
141	94	95	64	47	79	46	110	40	100	60	20	20	10	10	5	*Methamidophos	C2H8NO2PS	M:141(40%)
141	157	113	63	-	-	-	-	100	50	35	20	-	-	-	-	Diflubenzuron related iii)	C7H5F2NO	M:157(50%)
142	127	329	43	99	331	187	56	100	85	60	40	40	35	30	30	Iprodione related iii)	C13H13Cl2N3O3	M:329,331(60,35%)
142	169	228	107	144	171	230	141	100	95	90	45	35	30	30	25	Mecoprop-methyl	C11H13ClO3	M:228,230(90,30%)
142	214	107	141	169	144	77	216	100	65	50	35	35	35	25	20	*Mecoprop acid	C10H11ClO3	M:214,216(65,20%)
142	74	112	75	109	41	76	79	15	100	13	12	10	9	8	7	Demephion-S	C5H13O3PS2	M:216(3%)
142	88	60	109	89	61	79	112	12	100	54	12	10	9	8		Demeton-S-methyl	C6H15O3PS2	M:230(1%)
143	43	87	235	77	115	91	132	100	55	50	40	10	10	10	5	Carboxin	C12H13NO2S	M:235(40%)
143	86	41	85	58	68	55	43	10	100	50	40	30	25	15	15	*Aldoxycarb	C7H14N2O4S	M:222(0%)
143	74	75	41	76	125	47	109	9	100	33	7	6	5	4	3	Demephion-O	C5H13O3PS2	M:216(0.5%)
144	115	116	89	72	145	63	58	100	65	40	10	10	10	10	10	Carbaryl related, 1-naphthol	C10H8O	M:144(100%)
144	115	116	145	201	89	127	63	100	40	25	10	5	5	5	5	Carbaryl	C12H11NO2	M:201(5%)
144	86	41	85	58	87	76	100	50	100	70	55	45	40	30	30	*Aldicarb	C7H14N2O2S	M:190(0%)
144	87	41	74	55	44	42	75	55	100	75	60	60	55	55	50	*Butocarboxim	C7H14N2O2S	M:190(0.5%)
144	245	176	246	117	89	116	214	100	65	60	35	30	25	25	25	Imazamethabenz-methyl	C16H20N2O3	M:288(10%)
145	85	125	93	58	47	63	302	100	85	25	15	15	10	10	5	Methidathion	C6H11N2O4PS3	M:302(5%)
145	87	146	142	109	88	58	60	45	100	20	15	15	15	10	10	*Vamidothion	C8H18NO4PS2	M:287(1%)
145	110	206	208	147	180	182	171	100	90	75	70	60	40	40	35	Lewisite (CW)	C2H2AsCl3	M:206,208,210(75,70,30%)
146	72	206	191	161	128	91	57	50	100	30	20	15	15	10	10	*Isoproturon	C12H18N2O	M:206(30%)
146	157	156	118	97	129	298	158	100	65	50	40	30	25	25	25	Quinalphos	C12H15N2O3PS	M:298(25%)
146	161	128	91	77	103	147	118	100	35	30	15	10	10	10	10	Isoproturon related	C10H11NO	M:161(35%)
147	76	104	50	103	-	-	-	100	100	80	45	30	-	-	-	Folpet related, phthalimide	C8H5NO2	M:147(100%)

Eight most abundant ions (m/z)								Relative abundances (%)								Name	Empirical Formula	Molecular ion, m/z (%)
147	149	112	76	110	75	50	85	100	65	50	45	25	20	20	15	*Clopyralid acid	C6H3Cl2NO2	M:191,193,195(10,7,2%)
148	91	204	206	325	234	266	176	100	35	30	25	15	15	15	10	Benalaxyl	C20H23NO3	M:325(15%)
149	*29*	*150*	*41*	*57*	*56*	*223*	*205*	*100*	*10*	*10*	*10*	*5*	*5*	*5*	*5*	*di-n-butyl phthalate*	*C16H22O4*	*M:278(1%)*
149	*69*	*151*	*41*	*55*	*70*	*121*	*123*	*85*	*100*	*85*	*40*	*15*	*10*	*5*	*5*	*dibromopentane*	*C5H10Br2*	*M:228(0%)*
149	79	80	77	117	119	107	78	40	100	30	25	25	25	25	20	Captan	C9H8Cl3NO2S	M:299,301,303(2,2,1%)
149	*167*	*57*	*71*	*43*	*70*	*279*	*113*	*100*	*45*	*35*	*25*	*25*	*20*	*20*	*15*	*bis(2-ethylhexyl) phthalate*	*C24H38O4*	*M:390(0%)*
149	*177*	*150*	*65*	*176*	*76*	*105*	*29*	*100*	*25*	*10*	*10*	*10*	*10*	*10*	*5*	*diethyl phthalate*	*C12H14O4*	*M:222(5%)*
150	73	44	72	86	159	43	30	100	40	25	20	20	20	20	20	*Thiophanate-methyl	C12H14N4O4S2	M:342(0%)
151	43	69	68	166	109	165	56	100	95	60	50	45	40	30	30	Cyromazine	C6H10N6	M:166(45%)
151	79	80	77	123	39	78	122	85	100	65	20	20	20	20	15	Captafol/captan related	C8H9NO2	M:151(85%)
151	126	166	51	39	223	58	123	100	60	50	20	15	15	10	10	Bendiocarb	C11H13NO4	M:223(15%)
153	51	222	87	69	41	127	104	100	85	65	65	50	40	35	35	Barban	C11H9Cl2NO2	M:257,259(10,7%)
153	56	69	140	112	168	124	99	100	75	50	50	45	35	25	25	Etrimfos related	C8H12N2O2	M:168(35%)
153	57	97	29	125	41	199	186	55	100	85	50	50	40	35	30	*Terbufos sulphoxide	C9H21O3PS3	M:304(0%)
153	88	89	60	61	186	142	274	10	100	35	20	15	10	10	10	Disulfoton	C8H19O2PS3	M:274(10%)
153	97	199	125	159	65	171	45	100	80	70	70	25	25	15	15	Carbophenothion sulphone	C11H16ClO4PS3	M:374,376(3,1%)
153	97	199	125	171	65	29	93	100	85	80	80	15	15	15	15	Phorate sulphone	C7H17O4PS3	M:292(5%)
153	97	299	301	125	166	263	115	100	85	50	50	40	30	30	25	Chlorethoxyfos	C6H11Cl4O3PS	M:334,336,338(5,8,3%)
153	109	127	79	96	95	154	63	100	82	64	15	10	9	7	7	Demephion-O oxon sulphone	C5H13O6PS	M:232(0%)
153	125	155	90	63	127	-	-	100	40	35	30	20	15	-	-	Diflubenzuron related ii)	C7H4ClNO	M:153,155(100,35%)
153	141	155	157	113	63	125	127	100	80	30	25	25	25	25	25	*Diflubenzuron	C14H19ClF2N2O2	M:310,312(10,3%)
153	197	99	125	109	171	65	45	80	100	70	70	30	20	20	20	Carbophenothion sulphoxide	C11H16ClO3PS3	M:358(0%)
153	199	57	125	97	264	200	172	100	60	55	55	35	35	25	25	Terbufos sulphone	C9H21O4PS3	M:320(5%)
153	305	180	44	124	95	43	71	100	70	40	35	30	30	25	25	Pyrimitate	C11H20N3O3PS	M:305(70%)
154	83	55	41	72	215	186	27	55	100	40	15	15	5	5	5	Cycloate	C11H21NOS	M:215(5%)
154	153	152	76	155	78	115	63	100	35	25	20	15	10	5	5	Biphenyl	C12H10	M:154(100%)
155	*99*	*211*	*125*	*57*	*41*	*137*	*56*	*25*	*100*	*10*	*5*	*5*	*5*	*5*	*2*	*tri-n-butyl phosphate*	*C12H27O4P*	*M:266(0%)*

Molecular ion m/z underlined *Contaminants in italics* * denotes poor/negligible GC transmission

Eight most abundant ions (m/z)								Relative abundances (%)								Name	Empirical Formula	Molecular ion, m/z (%)
156	63	69	42	140	65	110	92	85	100	90	85	65	50	50	50	*Triasulfuron	C14H16ClN5O5S	M:401,403(0,0%)
156	100	57	91	279	250	190	134	100	65	60	50	20	15	10	10	*Tiocarbazil	C16H25NOS	M:279(20%)
156	110	79	109	80	126	46	141	100	100	30	25	15	15	10	10	*Omethoate	C5H12NO4PS	M:213(2%)
156	183	184	109	140	57	75	155	100	85	85	85	85	80	45	35	Terbufos oxon sulphone	C9H21O5PS2	M:304(0%)
156	227	184	157	155	44	158	117	100	70	65	60	60	40	40	35	Hexythiazox related ii)	C10H10ClNOS	M:227,229(70,25%)
157	121	153	342	159	199	125	97	100	50	45	45	40	40	40	40	Carbophenothion	C11H16ClO2PS3	M:342,344(45,15%)
157	125	45	93	159	314	171	108	100	45	40	40	35	15	10	10	Methyl-trithion	C9H12ClOPS3	M:314,316(15,5%)
157	169	141	185	77	63	47	303	100	55	35	35	25	25	15	15	Cyanofenphos	C15H14NO2PS	M:303(15%)
157	169	185	141	63	77	110	323	100	60	40	40	25	20	15	10	EPN	C14H14NO4PS	M:323(10%)
158	43	97	41	139	126	74	93	90	100	70	60	50	50	40	40	Ethoprophos	C8H19O2PS2	M:242(25%)
159	43	41	56	27	30	98	191	35	100	85	45	40	30	20	15	*Benomyl	C14H18N4O3	M:290(0%)
159	104	191	131	31	160	77	105	100	25	20	15	15	15	10	10	*Carbendazim	C9H9N3O2	M:191(20%)
159	111	75	227	229	356	161	127	100	80	55	50	50	35	35	30	Tetradifon	C12H6Cl4O2S	M:354,356,358(25,35,20%)
159	125	93	113	158	127	99	143	100	90	80	55	55	35	20	20	Malathion "mixed ester" I	C9H17O6PS2	M:316(1%)
159	125	93	113	158	127	99	143	100	90	80	55	55	35	20	20	Malathion "mixed ester" II	C9H17O6PS2	M:316(1%)
159	158	97	88	57	127	125	213	100	80	50	40	40	35	30	20	Cadusafos	C10H23O2PS2	M:270(15%)
159	248	161	250	249	83	213	163	100	85	65	25	10	10	10	10	Penconazole	C13H15Cl2N3	M:283,285(0%)
160	44	135	294	92	161	104	251	100	40	40	20	15	15	10	5	Triamiphos	C12H19N6OP	M:294(20%)
160	45	188	237	224	146	202	132	45	100	40	15	15	10	10	10	Alachlor	C14H20ClNO2	M:269(5%)
160	77	93	76	161	317	104	133	100	15	15	15	10	5	5	5	Phosmet	C11H12NO4PS2	M:317(5%)
160	118	163	164	57	84	135	149	100	95	50	50	30	20	20	20	Carbosulfan	C20H32N2O3S	M:380(1%)
160	132	77	105	93	76	104	125	100	95	95	30	30	30	20	20	Azinphos-methyl	C10H12N3O3PS2	M:317(0%)
161	119	162	97	257	163	172	285	100	75	60	50	35	30	30	30	Isazofos	C9H17ClN3O3PS	M:313,315(15,5%)
161	162	172	177	257	97	285	91	100	75	50	30	30	25	25	25	Triazophos	C12H16N3O3PS	M:313(5%)
161	163	57	29	217	165	219	126	100	60	45	40	20	10	10	10	*Propanil	C9H9Cl2NO	M:217,219,221(20,10,3%)
161	163	90	63	99	126	165	125	100	70	25	25	20	20	10	10	Iprodione related ii)	C6H5Cl2N	M:161,163(100,50%)
162	72	44	47	98	48	115	145	20	100	80	50	50	35	20	20	Oxamyl oxime	C5H10N2O2S	M:162(20%)

Eight most abundant ions (m/z)								Relative abundances (%)								Name	Empirical Formula	Molecular ion, m/z (%)
162	72	44	115	57	145	47	98	55	100	95	35	35	25	25	20	*Oxamyl	C7H13N3O3S	M:219(0%)
162	84	133	161	85	42	-	-	20	100	15	10	5	5	-	-	Nicotine	C10H14N2	M:162(20%)
162	164	220	222	161	163	175	133	100	65	65	45	40	35	30	30	*2,4-D acid	C8H6Cl2O3	M:220,222(65,45%)
162	238	146	77	73	211	240	117	100	55	20	15	15	15	15	10	Metolachlor	C15H22ClNO2	M:283,285(0,0%)
163	*77*	*76*	*135*	*92*	*50*	*164*	*194*	*100*	*25*	*15*	*10*	*10*	*10*	*10*	*10*	*dimethyl phthalate*	*C10H10O4*	*M:194(10%)*
163	107	135	166	121	93	55	164	100	85	75	70	60	55	55	50	JasmolinII	C22H30O5	M:374(1%)
163	135	164	194	41	107	325	57	100	30	25	20	20	15	15	15	Furathiocarb	C18H26N2O5S	M:382(5%)
163	165	181	77	91	208	209	127	100	60	50	30	30	25	20	20	Cypermethrin	C22H19Cl2N03	M:415,417(2,1%)
163	165	226	206	77	199	91	127	100	65	55	45	35	30	30	25	Cyfluthrin	C22H18Cl2FNO3	M:433,435(2,1%)
163	*273*	*37*	*89*	*341*	*59*	*253*	*429*	*65*	*100*	*60*	*35*	*30*	*25*	*20*	*20*	*silicones, linear (e.g. Si6)*	*C14H42O7Si6*	*M:490(0%)*
164	123	81	165	107	79	43	41	100	40	15	10	10	10	10	10	Tetramethrin	C19H25NO4	M:331(0.5%)
164	149	122	123	221	165	131	91	100	45	10	10	10	10	10	5	Carbofuran	C12H15N03	M:221(10%)
164	149	131	103	122	77	123	121	100	80	40	40	40	35	35	35	Carbofuran related	C10H12O2	M:164(100%)
165	68	163	96	150	41	164	162	100	20	15	10	10	10	10	10	Isoxaben	C18H24N2O4	M:332(1%)
165	*180*	*137*	*166*	*91*	*124*	*181*	*77*	*100*	*50*	*50*	*10*	*10*	*5*	*5*	*5*	*"BHA"*	*C11H16O2*	*M:180(50%)*
166	72	238	167	123	138	152	110	100	90	25	10	10	10	10	5	Pirimicarb	C11H18N4O2	M:238(25%)
166	96	209	42	55	167	71	194	100	25	20	15	15	10	10	5	*Ethirimol	C11H19N3O	M:209(20%)
167	72	165	239	152	166	168	240	60	100	25	20	20	15	5	5	Diphenamid	C16H17NO	M:240(5%)
167	125	169	225	152	181	419	127	100	90	45	40	35	30	25	25	Fenvalerate	C25H22ClNO3	M:419,421(25,10%)
167	444	282	290	121	163	277	129	100	75	50	50	50	35	25	20	*Difenacoum	C31H24O3	M:444(75%)
168	153	109	45	57	91	225	77	100	60	25	20	15	15	10	5	Methiocarb	C11H15NO2S	M:225(10%)
169	87	109	125	58	142	86	79	40	100	25	20	15	10	10	10	*Vamidothion sulphone	C8H18NO6PS2	M:319(1%)
169	107	184	108	57	168	123	153	100	80	75	55	35	30	20	20	Methiocarb sulphoxide	C11H15NO3S	M:241(10%)
169	107	184	108	168	153	123	79	100	95	85	70	40	25	20	20	Methiocarb sulphoxide related	C9H12O2S	M:184(85%)
169	109	125	58	87	143	142	86	100	50	25	20	20	15	15	10	*Vamidothion sulphoxide	C8H18NO5PS2	M:303(0%)
169	109	125	74	91	171	142	110	100	69	42	10	7	6	5	5	Demephion-S sulphoxide	C5H13O4PS2	M:232(0%)
169	109	125	110	168	105	60	142	100	90	50	15	10	10	10	5	*Demeton-S-methyl sulphoxide	C6H15O4PS2	M:246(0%)

Eight most abundant ions (m/z)								Relative abundances (%)								Name	Empirical Formula	Molecular ion, m/z (%)
169	109	125	110	168	142	29	170	100	51	33	15	15	9	8	7	Demeton-S-methyl sulphone	C6H15O5PS2	M:262(0%)
169	109	125	168	110	142	170	127	100	52	48	32	21	20	10	8	Demephion-S sulphone	C5H13O5PS2	M:246(0.5%)
169	168	167	51	84.5	77	170	66	100	50	30	20	15	15	15	10	Diphenylamine	C12H11N	M:169(100%)
170	57	168	112	171	268	169	141	100	30	15	15	15	5	5	5	Bitertanol	C20H23N3O2	M:337(1%)
170	169	141	115	31	171	142	139	100	60	35	25	20	15	10	10	2-Phenylphenol	C12H10O	M:170(100%)
170	232	109	183	57	139	41	137	100	45	35	25	20	15	15	15	*Terbufos oxon sulphoxide	C9H21O4PS2	M:288(0%)
171	44	83	71	128	98	252	127	100	65	55	45	45	25	20	20	Hexazinone	C12H20N4O2	M:252(20%)
171	57	215	170	272	143	115	126	100	65	60	55	30	30	20	15	Terbufos oxon	C9H21O3PS2	M:272(30%)
171	74	75	111	138	109	47	244	45	100	70	30	15	15	15	15	Phorate oxon	C7H17O3PS2	M:244(15%)
171	88	89	60	61	29	115	59	12	100	53	39	27	10	9	8	Demeton-O	C8H19O3PS2	M:258(0.3%)
171	156	98	57	41	74	88	172	100	65	65	55	20	10	10	10	*Tebuthiuron	C9H16N4OS	M:228(2%)
171	377	375	77	155	109	63	124	100	50	40	35	25	20	20	15	Leptophos	C13H10BrCl2O2PS	M:410,412,414(0,0,0%)
172	93	125	47	63	79	109	174	100	95	70	30	20	20	20	10	Trimethyl-(O,O,S) phosphorodithioate	C3H9O2PS2	M:172(100%)
172	196	43	139	296	188	97	157	100	60	55	50	35	35	35	30	Sulprofos oxon sulphone	C12H19O5PS2	M:338(15%)
173	69	259	41	175	261	191	128	50	100	40	40	30	25	20	15	Propiconazole	C15H17Cl2N3O2	M:341(0%)
173	127	125	93	158	99	143	79	100	90	85	85	45	35	20	15	Malathion	C10H19O6PS2	M:330(1%)
173	175	145	255	41	147	84	254	100	65	35	25	25	20	15	15	Propyzamide	C12H11Cl2NO	M:255,257,259(25,15,3%)
173	220	175	222	203	174	191	97	100	100	85	65	50	50	45	40	*Dicamba acid	C8H6Cl2O3	M:220,222,224(100,65,10%)
173	374	165	174	89	166	201	105	100	15	15	10	10	10	10	5	*Chlorophacinone	C23H15ClO3	M:374,376(15,5%)
174	176	147	146	56	41	148	192	100	65	55	50	50	50	30	30	Clopyralid, n-butyl	C10H11Cl2NO2	M:247,249(2,1%)
175	41	177	57	43	258	260	302	100	85	65	65	55	50	30	30	Oxadiazon	C15H18Cl2N2O3	M:344,346(20,15%)
175	111	177	113	302	75	304	127	100	95	40	30	25	25	15	20	Chlorfenson	C12H8Cl2O3S	M:302,304(25,15%)
176	177	149	45	57	193	338	119	100	25	10	10	10	5	5	5	Piperonyl butoxide	C19H30O5	M:338(5%)
177	*161*	*164*	*149*	*340*	*41*	*57*	*284*	*100*	*75*	*50*	*40*	*40*	*25*	*25*	*20*	*"Antioxidant 2246"*	*C23H32O2*	*M:340(40%)*
177	197	141	127	178	199	91	225	100	80	60	55	55	55	45	30	Tefluthrin	C17H14ClF7O2	M:418,420(0,0%)
178	248	250	213	88	177	176	106	100	80	60	40	30	20	20	20	DDNU	C14H10Cl2	M:248,250(80,50%)
178	280	41	101	136	150	179	67	100	45	35	30	20	20	15	15	*Cycloxydim	C17H27NO3S	M:325(1%)

Molecular ion m/z underlined *Contaminants in italics* * denotes poor/negligible GC transmission

Eight most abundant ions (m/z)								Relative abundances (%)								Name	Empirical Formula	Molecular ion, m/z (%)
179	82	150	181	55	206	288	152	100	55	45	35	35	30	25	25	Myclobutanil	C15H17Cl4N	M:288,290(25,10%)
179	137	152	304	199	93	153	97	100	95	85	65	50	45	40	35	Diazinon	C12H21N2O3PS	M:304(65%)
180	43	70	308	310	266	268	312	55	100	80	20	20	15	15	10	*Prochloraz	C15H16Cl3N3O2	M:375(0%)
180	182	74	145	109	184	147	75	100	95	45	40	35	30	25	25	HCH related, trichlorobenzene	C6H3Cl3	M:180,182,184(100,95,30%)
181	57	71	43	209	210	211	254	25	100	85	65	25	20	20	15	Fluroxypyr-meptyl	C15H21Cl2FN2O3	M:366,368,370(10,7,2%)
181	166	182	165	180	167	141	179	100	25	20	15	10	5	5	5	Bifenthrin	C23H22ClF3O2	M:422,424(1,0.5%)
181	183	185	111	146	147	145	219	100	90	30	25	25	25	25	20	HCH related, gamma-PCCH	C6H5Cl5	M:252,254,256(2,3,2%)
181	183	219	109	217	111	221	185	100	90	90	75	65	60	40	30	gamma-HCH	C6H6Cl6	M:288,290,292(1,2,1%)
181	183	219	217	109	111	221	185	100	90	85	65	55	45	40	30	alpha-HCH	C6H6Cl6	M:288,290,292(0,0,0%)
181	197	208	209	199	77	141	180	100	85	85	45	25	25	25	20	Cyhalothrin	C23H19ClF3NO3	M:449,451(8,3%)
182	121	97	200	154	111	65	367	100	50	40	30	25	25	25	20	Phosalone	C12H15ClNO4PS2	M:367,369(20,8%)
182	127	99	119	109	308	201	280	100	85	75	65	65	60	55	50	Fensulfothion oxon sulphone	C11H17O6PS	M:308(60%)
183	41	125	109	102	143	79	29	100	40	35	25	20	10	10	5	*Oxydeprofos	C7H17O4PS2	M:260(0%)
183	109	139	137	75	155	127	184	100	45	30	23	19	18	9	7	Carbophenothion oxon sulphone	C11H16ClO5PS2	M:358,356(0,0%)
183	109	326	139	157	111	155	75	100	95	55	53	44	44	42	40	Carbophenothion oxon	C11H16ClO3PS2	M:326,328(55,23%)
183	163	165	184	77	91	127	51	100	30	20	15	15	15	10	10	Permethrin	C21H20Cl2O3	M:390,392(2,1%)
183	185	76	340	155	157	75	338	100	100	40	40	30	30	20	20	Bromopropylate related	C13H8Br2O	M:338,340,342(20,40,20%)
184	156	155	183	185	92	129	64	100	30	30	25	25	15	15	10	Fuberidazole	C11H8N2O	M:184(100%)
184	186	101	93	64	143	129	156	100	35	30	30	25	20	15	10	Azamethiphos related	C7H5ClN2O2	M:184,186(100,35%)
185	57	41	29	276	175	162	278	50	100	45	40	30	25	25	20	2,4-D n-butyl	C12H14Cl2O3	M:276,278(30,20%)
185	*129*	*57*	*259*	*29*	*111*	*147*	*56*	*100*	*80*	*45*	*35*	*25*	*15*	*15*	*10*	*tri-n-butyl citrate*	*C18H32O7*	*M:360(0%)*
185	*129*	*259*	*43*	*57*	*41*	*157*	*139*	*100*	*60*	*50*	*40*	*30*	*25*	*20*	*10*	*acetyl tri-n-butyl citrate*	*C20H35O8*	*M:402(0%)*
187	39	54	213	285	212	53	198	85	100	90	80	80	80	73	65	Vinclozolin	C12H9Cl2NO3	M:285,287(80,50%)
187	189	124	159	126	161	191	88	100	65	50	20	15	15	15	10	Iprodione related iv)	C7H3Cl2NO	M:187,189(100,65%)
187	244	189	246	188	124	56	190	100	65	60	45	35	30	20	20	Iprodione related i)	C9H6Cl2N2O2	M:244,246(65,45%)
187	256	144	117	89	116	214	41	100	85	80	55	50	40	35	30	Imazamethabenz-methyl related	C15H16N2O2	M:256(85%)
188	312	43	113	172	141	125	155	100	70	40	30	30	20	15	15	Sulprofos sulphone	C12H19O4PS3	M:354(15%)

Eight most abundant ions (m/z)								Relative abundances (%)								Name	Empirical Formula	Molecular ion, m/z (%)
190	91	57	106	92	134	142	233	25	100	60	10	5	5	5	5	Tebutam	C15H23NO	M:233(5%)
191	*175*	*178*	*368*	*163*	*57*	*135*	*169*	*100*	*70*	*60*	*45*	*40*	*35*	*25*	*20*	*"Antioxidant 425"*	*C25H36O2*	*M:368(45%)*
193	195	66	263	147	197	261	265	100	95	80	40	35	35	25	25	Isodrin	C12H8Cl6	M:362,364,366,368(5,10,10,3%)
195	197	159	160	241	237	207	89	100	75	70	65	60	60	60	50	beta-Endosulfan	C9H6Cl6SO3	M:404,406,408(1,1,1%)
195	197	241	239	207	237	160	69	100	75	75	65	65	60	60	60	alpha-Endosulfan	C9H6Cl6SO3	M:404,406,408(1,1,1%)
196	44	181	117	152	42	154	198	85	100	50	50	40	30	30	25	Chlordimeform	C10H13ClN2	M:196,198(85,25%)
196	140	106	74	41	168	227	81	100	95	90	90	70	60	45	35	Mephosfolan	C8H16NO3PS2	M:269(10%)
196	198	254	256	200	209	211	167	100	95	55	55	30	20	20	20	*2,4,5-T acid	C8H5Cl3O3	M:254,256,258(55,55,20%)
197	153	29	45	141	125	97	121	100	89	84	77	71	51	44	42	Demeton-O sulphone	C8H19O5PS2	M:290(1%)
197	197	99	314	316	125	258	286	80	100	80	60	50	40	30	30	Chlorpyrifos	C9H11Cl3NO3PS	M:349,351,353(2,2,1%)
198	51	77	169	197	141	181	115	100	45	40	40	40	35	20	15	Cypermethrin (etc) related	C13H10O2	M:198(100%)
198	72	153	45	200	44	125	155	50	100	20	15	15	10	5	5	*Monuron	C9H11ClN2O	M:198,200(50,15%)
198	105	121	51	53	168	106	30	100	35	30	20	20	20	15	15	*DNOC	C7H6N2O5	M:198(100%)
198	121	93	109	115	114	126	65	100	95	75	40	40	40	40	35	Triethyl-(O,O,O) phosphorothioate	C6H15O3PS	M:198(100%)
198	199	57	41	103	144	214	182	100	20	20	20	20	15	10	10	*Metribuzin	C8H14N4OS	M:214(10%)
199	157	184	181	451	225	55	107	100	60	30	25	20	20	20	15	Flucythrinate	C26H23F2NO4	M:451(20%)
199	175	234	45	177	236	161	201	100	65	65	45	40	35	30	30	2,4-D methyl	C9H8Cl2O3	M:234,236(65,40%)
200	58	215	173	43	202	92	68	100	70	70	35	30	30	25	25	Atrazine	C8H14ClN5	M:215,217(70,20%)
200	92	65	39	93	108	64	121	45	100	65	30	25	15	10	5	Dichlofluanid related	C8H12N2O2S	M:200(45%)
200	229	214	186	202	68	72	231	100	65	60	55	35	25	25	20	Trietazine	C9H16ClN5	M:229,231(65,20%)
201	44	186	173	43	68	203	158	90	100	55	45	35	30	30	25	Simazine	C7H12ClN5	M:201,203(90,30%)
202	174	173	203	217	145	144	188	100	50	20	20	20	15	10	5	Ethoxyquin	C14H19NO	M:217(20%)
201	174	202	63	90	129	175	100	100	75	15	15	10	10	10	10	Thiabendazole	C10H7N3S	M:201(100%)
202	201	44	265	109	186	93	309	100	69	39	21	18	18	12	9	Famphur oxon	C10H16NO6PS	M:309(9%)
203	125	498	109	93	388	265	499	100	65	50	50	40	15	15	10	*Temephos sulphone	C16H20O8P2S3	M:498(50%)
203	201	205	96	61	238	240	236	100	75	50	30	25	25	15	15	Dienochlor related	C5HCl5	M:236,238,240(15,25,15%)
203	205	234	188	236	201	190	175	100	65	25	20	15	15	10	10	Dicamba, methyl ester	C9H8Cl2O3	M:234,236(25,15%)

Molecular ion m/z underlined *Contaminants in italics* * denotes poor/negligible GC transmission

Eight most abundant ions (m/z)								Relative abundances (%)								Name	Empirical Formula	Molecular ion, m/z (%)
203	215	261	201	30	259	213	205	100	85	80	70	70	60	55	45	Tecnazene	C6HCl4NO2	M:259,261,263(60,80,35%)
204	91	41	123	122	107	246	45	35	100	25	15	15	10	10	10	Iprobenfos	C13H21O3PS	M:288(5%)
205	207	42	70	162	164	231	233	100	95	35	20	15	15	15	15	*Bromacil	C9H13BrN2O2	M:260,262(5,5%)
205	*220*	*57*	*206*	*145*	*105*	*177*	*55*	*100*	*25*	*25*	*15*	*15*	*10*	*10*	*5*	*"BHT"*	*C15H24O*	*M:220(25%)*
206	45	192	220	249	234	146	160	35	100	25	20	20	15	15	15	Metalaxyl	C15H21NO4	M:279(10%)
206	124	176	208	160	178	126	133	100	95	70	65	55	45	30	25	Dicloran	C6H4Cl2N2O2	M:206,208,210(100,65,10%)
206	234	116	174	173	148	89	103	100	95	60	45	30	30	20	10	Quinomethionate	C10H6N2OS2	M:234(95%)
208	57	41	85	29	128	110	181	50	100	40	35	30	20	20	20	Triadimefon	C14H16ClN3O2	M:293,295(2,1%)
208	210	76	97	357	65	129	130	100	35	10	10	10	10	10	10	Dialifos	C14H17ClNO4PS2	M:393(1%)
210	69	140	42	110	90	77	199	100	65	50	40	40	35	30	30	*Metsulfuron-methyl	C14H15N5O6S	M:381(0%)
210	154	42	56	124	90	69	77	100	75	30	30	30	25	20	20	*Tribenuron-methyl	C15H17N5O6S	M:395(0%)
210	212	182	146	45	269	271	59	100	90	40	40	40	30	30	25	Triclopyr-methyl	C8H6Cl3NO3	M:269,271,273(30,30,5%)
211	43	41	163	240	205	147	212	45	100	15	10	10	10	10	5	Dinobuton	C14H18N2O7	M:326(0%)
211	43	240	44	163	147	117	205	10	100	10	10	5	5	5	5	Dinoseb acetate	C12H14N2O6	M:282(1%)
211	163	147	117	240	29	41	57	100	45	25	20	15	15	15	15	*Dinoseb	C10H12N2O5	M:240(15%)
212	44	225	68	173	198	240	172	100	100	90	85	75	65	65	65	Cyanazine	C9H13ClN6	M:240,242(65,20%)
212	72	44	45	77	132	167	104	10	100	20	10	10	5	5	5	*Chlorotoluron	C10H13ClN2O	M:212,214(10,3%)
212	282	284	176	214	247	286	88	100	80	80	45	45	30	30	25	DDMU ("TDE-olefin")	C14H9Cl3	M:282,284,286(80,80,30%)
213	58	121	185	255	96	43	138	60	100	55	40	40	40	30	20	Isofenphos	C15H24NO4PS	M:345(5%)
213	153	61	125	97	157	185	186	100	75	40	30	30	20	15	10	Disulfoton sulphone	C8H19O4PS3	M:306(1%)
213	198	171	57	82	124	99	156	100	65	35	35	25	20	15	15	Desmetryn	C8H15N5S	M:213(100%)
214	61	46	153	127	126	99	90	15	100	15	15	15	15	10	5	*Monolinuron	C9H11ClN2O2	M:214,216(15,5%)
214	173	216	229	68	43	175	132	100	40	35	30	15	15	15	15	Terbuthylazine	C9H16ClN5	M:229,231(30,10%)
215	41	173	217	175	81	159	54	25	100	15	15	10	10	5	5	Imazalil	C14H14Cl2N2O	M:296,298(2,1%)
215	172	131	77	214	173	141	130	100	75	75	70	70	55	50	50	*Bensulide	C14H24NO4PS3	M:397(0%)
216	69	140	110	42	247	205	126	100	90	80	65	55	45	45	40	*Thifensulfuron-methyl	C12H13N5O6S2	M:387(0%)
216	183	78	153	201	138	137	121	100	55	45	30	25	20	20	15	Dioxabenzofos	C8H9O3PS	M:216(100%)

Eight most abundant ions (m/z)								Relative abundances (%)								Name	Empirical Formula	Molecular ion, m/z (%)
218	93	125	217	44	109	219	79	100	30	25	25	15	15	10	5	Famphur	C10H16NO5PS2	M:325(1%)
218	119	144	185	77	183	219	220	100	20	15	10	10	5	5	5	Cymiazole	C12H14N2S	M:218(100%)
220	57	56	41	29	85	175	222	20	100	40	25	20	15	15	15	2,4-D butoxyethyl	C14H18Cl2O4	M:320,322(8,5%)
220	57	71	43	70	41	222	332	50	100	65	65	40	35	25	20	2,4-D i-octyl	C16H22Cl2O3	M:332,334(20,15%)
221	232	373	237	222	265	193	97	100	40	30	20	15	15	10	10	Pyrazophos	C14H20N3O5PS	M:373(30%)
222	97	224	257	45	360	289	259	100	97	77	61	45	43	41	40	Chlorthiophos II	C11H15Cl2O3PS2	M:360,362,364(43,32,7%)
223	224	165	179	193	104	115	178	100	20	5	5	5	5	5	5	Perthane	C18H20Cl2	M:306,308(2,1%)
225	43	139	68	182	58	210	47	80	100	75	65	55	45	40	40	*Aziprotryne	C7H11N7S	M:225(80%)
225	177	131	240	161	41	103	226	100	45	25	15	15	10	10	10	*Dinoterb	C10H12N2O5	M:240(15%)
226	125	43	184	228	93	154	171	100	75	65	55	35	35	30	30	Anilofos	C13H19ClNO3PS2	M:367,369(1,0.5%)
226	185	241	170	106	157	71	43	100	90	80	50	25	20	15	15	Terbutryn	C10H18N5S	M:241(80%)
227	58	212	68	99	170	69	185	100	75	70	50	40	35	30	25	Ametryn	C9H17N5S	M:227(100%)
227	228	114	212	152	141	344	346	100	20	10	5	5	5	5	5	Methoxychlor	C16H15Cl3O2	M:344,346,348(5,5,2%)
230	93	121	110	65	109	29	185	25	100	25	25	25	20	20	5	Fonofos oxon	C10H15O2PS	M:230(25%)
231	57	29	103	153	41	65	186	40	100	25	20	15	15	15	10	Terbufos	C9H21O2PS3	M:288(5%)
231	153	97	121	125	93	65	384	100	65	50	45	45	25	20	20	Ethion	C9H22O4P2S4	M:384(20%)
231	229	233	158	160	235	169	196	100	80	45	20	15	10	10	10	Tecnazene related i)	C6H3Cl4N	M:229,231,233(80,100,45%)
231	323	76	203	77	105	196	50	100	35	35	25	20	15	15	15	Benodanil	C13H10INO	M:323(35%)
232	72	234	44	73	187	189	45	15	100	10	5	5	5	5	5	*Diuron	C9H10Cl2N2O	M:232,234(15,10%)
233	73	45	235	268	270	209	211	100	85	80	70	65	65	60	50	2,4,5-T methyl	C9H7Cl3O3	M:268,270,272(65,65,20%)
233	206	47	234	315	123	220	300	100	35	25	25	10	10	10	5	Flusilazole	C16H15F2N3Si	M:315(10%)
235	237	165	200	199	236	266	239	100	65	30	15	10	10	5	5	*DDOH	C14H12Cl2O	M:266,268(5,2%)
235	237	165	236	199	239	200	212	100	65	35	15	15	10	10	10	TDE (DDD)	C14H10Cl4	M:318,320,333(1,2,1%)
235	237	165	236	199	239	200	246	100	65	40	15	15	10	10	10	DDT	C14H9Cl5	M:352,354,356(1,2,1%)
235	237	165	236	280	201	199	282	100	65	30	10	10	10	10	5	*DDA	C15H12Cl2O2	M:280,282(10,7%)
235	237	165	236	284	286	199	200	100	65	30	15	5	5	5	5	DDMS	C14H11Cl3	M:284,286,288(5,5,2%)
235	237	165	294	199	200	296	72	100	65	30	15	10	10	10	5	DDA, methyl ester	C15H12Cl2O2	M:294,296(15,10%)

Eight most abundant ions (m/z)								Relative abundances (%)								Name	Empirical Formula	Molecular ion, m/z (%)
236	125	82	238	167	57	70	127	100	60	35	30	30	25	20	20	Paclobutrazol	C15H20ClN3O	M:293(0%)
236	212	194	43	254	59	237	42	100	65	60	55	55	35	30	30	Nitrothal-isopropyl	C14H17NO6	M:295(5%)
237	157	145	141	172	252	156	236	100	80	70	60	60	60	40	30	Quintiofos	C17H16NO2PS	M:329(20%)
237	239	235	404	402	406	332	334	100	65	65	50	45	30	30	25	Dienochlor	C10Cl10	M:470,472,474,476,478(2,5,10,7,3%)
237	295	30	214	249	212	235	251	100	90	90	85	80	60	55	50	Quintozene	C6Cl5NO2	M:293,295,297,299(50,90,45,15%)
239	241	143	178	90	62	111	240	100	60	40	35	15	10	10	10	Anilazine	C9H5Cl3N4	M:274,276,278(10,10,3%)
240	88	43	44	120	42	73	121	35	100	40	35	30	30	20	20	*Thiram	C6H12N2S4	M:240(35%)
241	58	184	226	43	106	68	69	90	100	65	60	55	45	40	35	Prometryn	C10H19N5S	M:241(90%)
241	*185*	*56*	*57*	*98*	*41*	*123*	*125*	*100*	*75*	*65*	*55*	*40*	*40*	*35*	*35*	*dibutyl sebacate/decanedioate*	*C18H34O4*	*M:314(0.1%)*
242	95	152	301	180	146	39	132	30	100	10	10	10	10	10	10	Furalaxyl	C17H19NO4	M:301(10%)
246	94	110	109	97	105	141	190	78	100	63	43	26	20	17	17	O,O-Diethyl-O-phenyl phosphorothioate	C10H15O3PS	M:246(78%)
246	248	318	316	320	176	281	283	100	65	55	40	25	25	15	15	DDT, Aspergillus niger metabolite	C14H8Cl4	M:316,318,320(40,55,25%)
246	318	248	316	176	320	210	247	100	80	65	60	45	40	20	15	DDE	C14H8Cl4	M:316,318,320(60,80,40%)
248	61	46	250	187	200	189	202	10	100	10	5	5	5	2	2	Linuron	C9H10Cl2N2O2	M:248,250(10,6%)
249	63	251	27	143	205	65	223	85	100	45	45	40	40	35	25	tris-(2-chloroethyl) phosphate	C6H12Cl3O4P	M:284,286(0,0%)
251	139	253	111	141	235	165	255	100	85	60	30	25	25	10	10	Chlorobenzilate	C16H14Cl2O3	M:324,326(1,0.5%)
252	162	29	57	253	43	192	119	100	15	15	15	15	15	10	10	Pendimethalin	C13H9N3O4	M:281(10%)
253	181	251	255	208	93	77	172	100	85	50	50	45	40	30	30	Deltamethrin	C22H19Br2NO3	M:503,505,507(1,2,1%)
254	327	146	255	227	282	226	328	100	85	60	50	35	25	25	15	*Fluazifop acid	C15H12F3NO4	M:327(85%)
256	57	43	71	41	70	254	55	25	100	70	50	40	40	25	25	2,4,5-T i-octyl	C16H21Cl3O3	M:366,368,370(12,12,4%)
256	64	160	128	192	258	96	162	95	100	75	70	40	35	25	20	Sulphur	S8	M:256,258(95,35%)
256	108	276	169	182	278	41	171	100	95	80	65	60	25	25	25	Crufomate	C12H19ClNO3P	M:291,293(20,7%)
257	259	97	313	222	45	224	315	100	66	64	42	35	33	29	27	Chlorthiophos II sulphoxide	C11H15Cl2O4PS2	M: 376,378,380(0,0,0%)
257	259	97	313	315	285	287	179	100	64	49	43	35	25	22	22	Chlorthiophos II sulphone	C11H15Cl2O5PS2	M:392,394,396(0,0,0%)
258	260	249	178	250	120	92	348	100	95	85	55	50	35	35	25	*Bromadiolone	C30H23BrO4	M:526,528(0,0%)
259	43	29	188	331	187	261	186	30	100	70	30	25	25	20	20	Chlozolinate	C13H11Cl2NO5	M:331,333,335(25,15,5%)
261	66	91	263	265	79	101	293	30	100	40	40	30	30	25	20	Aldrin	C12H8Cl6	M:362,364,366(1,2,1%)

Molecular ion m/z underlined *Contaminants in italics* * denotes poor/negligible GC transmission

Eight most abundant ions (m/z)								Relative abundances (%)								Name	Empirical Formula	Molecular ion, m/z (%)
262	125	79	47	63	109	93	216	100	65	25	20	20	20	15	15	Dicapthon	C8H9ClNO5PS	M:297,299(0,0%)
262	247	263	264	135	217	109	215	100	30	20	10	10	10	10	5	Fenthion oxon	C10H15O4PS	M:262(100%)
262	260	264	227	229	45	210	212	100	75	50	40	40	40	35	35	Tecnazene related ii)	C7H4Cl4S	M:260,262,264(75,100,50%)
263	109	278	262	127	79	45	77	100	70	25	25	20	15	109	10	Fenthion oxon sulphoxide	C10H15O5PS	M:278(25%)
263	161	235	179	207	162	99	81	100	85	80	75	65	55	40	40	TEPP	C8H20O7P2	M:290(10%)
265	43	121	45	308	266	187	213	100	65	60	55	45	35	30	25	*Warfarin	C19H16O4	M:308(45%)
265	263	267	269	194	192	133	96	100	65	65	20	15	15	15	10	Quintozene related i)	C6H2Cl5N	M:263,265,267,269(65,100,65,20%)
265	267	125	79	93	250	47	63	100	35	30	20	15	15	10	10	Tolclofos-methyl	C9H11Cl2O3PS	M:300(0%)
266	264	268	109	124	229	270	194	100	80	50	20	15	10	10	10	Chlorothalonil	C8Cl4N2	M:264,266,268(80,100,50%)
266	394	101	267	169	145	218	246	100	25	25	20	15	15	15	15	Diflufenican	C19H11F5N2O2	M:394(25%)
267	323	269	81	325	109	29	295	100	70	65	60	45	45	45	25	Chlorfenvinphos	C12H14Cl3O4P	M:358,360(1,1%)
268	43	86	128	270	143	145	84	20	100	85	20	15	10	10	5	Tri-allate	C10H16Cl3NOS	M:303,305,307(0,0,0%)
268	57	152	170	153	184	76	269	35	100	15	15	15	10	5	5	Bitertanol related	C18H20O2	M:268(35%)
268	70	57	270	41	29	165	269	100	80	70	65	35	25	20	20	Diniconazole	C15H17Cl2N3O	M:325(0%)
269	271	246	248	273	318	176	316	100	95	65	45	40	35	35	30	Tetrachloro-DDT	C14H8Cl6	M:386,388,390(0,0,0%)
269	97	325	297	360	271	109	125	100	99	79	51	44	43	42	35	Chlorthiophos I	C11H15Cl2O3PS2	M:360,362,364(44,33,8%)
269	325	97	271	297	327	65	299	100	81	55	42	37	34	18	15	Chlorthiophos III	C11H15Cl2O3PS2	M:360,362,364(13,10,2%)
271	98	184	157	156	125	82	309	30	100	30	25	25	20	15	15	*Hexythiazox	C17H21ClN2O2S	M:352,354(5,2%)
272	274	229	387	227	270	239	237	100	80	75	60	55	50	45	45	Endosulfan sulphate	C9H6Cl6SO4	M:420,422,424,426(8,17,15,5%)
272	274	270	237	276	239	235	332	100	80	50	50	35	30	30	10	Mirex	C10Cl12	M:540,542,544,546(1,2,2,1%)
273	98	99	41	55	42	-	-	2	100	5	5	5	2	-	-	Fenpropidin	C19H31N	M:273(2%)
273	208	166	316	108	96	44	150	100	65	35	35	30	25	20	20	Bupirimate	C13H24N4O3S	M:316(35%)
274	93	125	121	107	92	79	246	100	95	90	70	55	55	55	30	Phenthoate	C12H17O4PS2	M:320(5%)
275	273	277	133	240	279	238	203	100	65	65	25	20	20	15	15	Chlorothalonil related	C7Cl5N	M:273,275,277,279(65,100,65,20%)
276	140	220	248	125	202	139	109	100	75	60	40	25	20	15	15	Fensulfothion oxon sulphide	C11H17O4PS	M:276(100%)
277	88	275	279	62	168	170	117	100	60	50	50	20	20	20	15	*Bromoxynil	C7H3Br2NO	M:275,277,279(50,100,50%)
277	141	249	109	221	292	278	81	100	40	25	25	20	20	15	15	Fensulfothion oxon	C11H17O5PS	M:292(20%)

Eight most abundant ions (m/z)								Relative abundances (%)								Name	Empirical Formula	Molecular ion, m/z (%)
277	184	88	279	275	63	53	91	100	75	70	55	50	45	40	35	*Bromofenoxim	C13H7Br2N3O6	M:459,461,463(1,2,1%)
278	109	279	169	280	125	245	137	100	20	15	15	10	10	10	10	Fenthion	C10H15O3PS2	M:278(100%)
279	77	51	50	277	78	-	-	5	100	35	15	5	5	-	-	*Phenylmercury acetate	C8H8HgO2	M:338(0%)
279	125	294	109	169	138	153	93	100	65	60	40	25	25	20	15	Fenthion sulphoxide	C10H15O4PS2	M:294(60%)
279	297	23	162	109	251	164	125	80	100	75	50	45	35	35	30	Dichlofenthion	C10H13Cl2O3PS	M:314,316(0,0%)
282	383	254	255	146	238	227	91	100	50	45	30	20	20	20	15	Fluazifop n-butyl	C19H20F3NO4	M:383(50%)
283	96	67	68	41	53	285	39	35	100	35	35	25	25	25	15	Procymidone	C13H11Cl2NO2	M:283,285(35,25%)
284	29	138	126	146	285	43	91	100	80	55	25	25	20	20	20	*Tralkoxydim	C20H27NO3	M:329(1%)
284	286	282	288	142	249	106	144	100	80	55	35	30	25	20	15	Hexachlorobenzene	C6Cl6	M:282,284,286,288(55,100,80,40%)
285	287	125	79	109	93	47	289	100	80	60	25	25	25	20	15	Fenchlorphos	C8H8Cl3O3PS	M:320,322,324(2,2,1%)
286	96	200	72	152	232	202	29	100	95	90	60	50	50	50	50	Butamifos	C13H21N2O4PS	M:332(0%)
288	57	204	41	29	184	232	290	50	100	30	30	25	20	15	15	Diniconazole ketone	C15H15Cl2N3O	M:323(0%)
288	361	289	290	180	316	363	63	100	70	60	40	35	30	25	20	*Haloxyfop acid	C15H11ClF3NO4	M:361,363(70,25%)
288	361	290	261	119	363	289	182	100	70	35	30	25	25	20	15	Fenoxaprop-ethyl	C18H16ClNO5	M:361,363(70,25%)
290	276	305	125	233	180	262	93	100	90	85	50	40	30	30	30	Pirimiphos-methyl	C11H20N3O3PS	M:305(85%)
291	109	97	137	139	125	155	123	100	95	95	60	55	45	45	20	Parathion	C10H14NO5PS	M:291(100%)
292	156	140	97	264	125	109	236	100	60	45	35	25	20	20	20	Fensulfothion sulphide	C11H17O3PS2	M:292(100%)
292	181	56	125	153	168	79	277	100	75	65	55	50	45	35	30	Etrimfos	C10H17N2O4PS	M:292(100%)
292	188	130	121	129	115	91	175	100	70	55	55	25	25	15	15	*Coumatetralyl	C19H16O3	M:292(100%)
293	97	125	141	308	109	153	265	100	95	85	85	50	50	50	25	Fensulfothion	C11H17O4PS2	M:308(50%)
294	215	104	109	231	230	295	279	100	60	30	25	20	20	20	15	Fenthion oxon sulphone	C10H15O6PS	M:294(100%)
296	76	240	104	50	295	268	297	100	90	50	50	40	30	30	20	*Dithianon	C14H4N2O2S2	M:296(100%)
296	141	43	281	139	156	113	140	100	95	85	80	75	75	70	65	Sulprofos sulphoxide	C12H19O3PS3	M:338(40%)
296	298	294	246	244	263	45	248	100	65	60	55	40	40	35	30	Quintozene related ii)	C7H3Cl5S	M:294,296,298,300(60,100,65,20%)
301	299	303	332	330	334	221	223	100	80	45	30	20	15	15	10	Chlorthal-dimethyl	C10H6Cl4O4	M:330,332,334(20,30,15%)
301	97	357	303	329	359	125	65	100	85	79	44	41	35	31	18	Chlorthiophos I sulphone	C11H15Cl2O5PS2	M:392,394,396(0,0,0%)
303	288	260	154	195	44	217	304	100	40	30	30	25	20	15	15	Fenamiphos	C13H22NO3PS	M:303(100%)

Eight most abundant ions (m/z)								Relative abundances (%)								Name	Empirical Formula	Molecular ion, m/z (%)
304	122	303	319	154	196	80	44	100	85	35	30	30	25	25	20	Fenamiphos sulphoxide	C13H22NO4PS	M:319(30%)
306	264	43	41	290	335	307	248	100	80	65	35	15	15	15	15	Trifluralin	C13H16F3N3O4	M:335(15%)
306	326	264	63	43	328	310	248	100	75	55	50	45	20	15	15	Fluchloralin	C12H13ClN3O3F3	M:355,357(5,2%)
307	139	167	43	97	141	125	140	100	75	50	40	35	30	30	20	Sulprofos oxon sulphoxide	C12H19O4PS2	M:322(20%)
310	57	29	41	312	219	196	211	15	100	40	40	15	15	10	10	2,4,5-T n-butyl	C12H13Cl3O3	M:310,312,314(15,15,5%)
310	57	41	29	312	196	198	211	10	100	35	30	10	10	10	10	2,4,5-T i-butyl	C12H13Cl3O3	M:310,312,314(10,10,3%)
311	187	174	313	103	145	75	172	100	95	70	70	55	50	45	35	Flurochloridone	C12H10Cl2F3NO	M:311,313(100,70%)
313	97	257	315	259	125	285	109	64	100	59	47	40	35	33	33	O,O-Diethyl-O-(2,4,5-trichlorophenyl) phosphorothioate	C10H12Cl3O3PS	M:348(0%)
314	43	56	58	316	187	70	189	100	90	70	65	65	45	35	25	Iprodione	C13H13Cl2N3O3	M:329,331(4,3%)
316	45	302	288	433	289	91	318	100	85	75	75	60	50	45	35	Haloxyfop 2-ethoxyethyl	C19H19ClF3NO5	M:433,435(60,20%)
316	375	288	289	91	290	180	318	100	90	85	45	40	35	35	35	Haloxyfop methyl	C16H13ClF3NO4	M:375,377(90,30%)
316	417	288	289	318	91	290	272	100	55	45	40	35	30	20	20	Haloxyfop n-butyl	C19H19ClF3NO4	M:417,419(55,20%)
317	43	275	41	301	318	258	259	100	85	55	25	15	15	10	10	*Oryzalin	C12H18N4O6S	M:346(5%)
317	67	315	319	345	281	79	147	55	100	35	35	30	30	25	25	Endrin	C12H8Cl6O	M378,380,382(1,2,1%)
318	261	234	276	152	137	303	110	100	60	55	40	35	20	20	15	Tebupirimphos / Phostebupirim	C13H23N2O3PS	M:318(100%)
320	292	58	44	321	122	293	335	100	65	20	15	15	10	10	10	Fenamiphos sulphone	C13H22NO5PS	M:335(10%)
322	156	140	139	113	43	125	280	100	80	60	55	30	25	20	15	Sulprofos	C12H19O2PS3	M:322(100%)
322	202	121	93	65	174	97	238	100	55	55	50	45	40	40	35	Sulfotep	C8H20O5P2S3	M:322(100%)
324	188	109	97	125	172	157	219	100	60	60	60	50	35	30	30	Fensulfothion sulphone	C11H17O5PS2	M:324(100%)
324	326	309	311	289	325	215	291	100	70	55	35	35	25	20	15	Dichlorophen related	C15H14Cl2O2Si	M:324,326,328(100,70,15%)
326	*325*	*77*	*170*	*94*	*233*	*215*	*65*	*100*	*65*	*45*	*35*	*30*	*25*	*20*	*20*	*triphenyl phosphate*	*C18H15O4P*	*M:326(100%)*
331	329	125	79	93	109	333	47	100	75	75	35	35	30	30	30	Bromophos	C8H8BrCl2O3PS	M:364(0%)
333	318	304	168	180	152	166	109	100	95	80	45	40	40	35	25	Pirimiphos-ethyl	C13H24N3O3PS	M:333(100%)
334	120	162	107	55	124	335	143	100	20	20	20	20	20	20	20	*Strychnine	C21H22N2O2	M:334(100%)
340	97	199	188	77	125	204	109	100	85	80	70	60	50	45	25	Pyridaphenthion	C14H17N2O4PS	M:340(100%)
340	253	342	255	254	256	281	283	100	90	65	65	50	30	30	25	Diclofop-methyl	C16H14Cl2O4	M:340,342,344(100,65,10%)
341	97	125	285	343	109	153	313	85	100	56	53	36	33	32	32	Chlorthiophos I sulphoxide	C11H15Cl2O4PS2	M: 376,378,380(0.2,0.2,0.1%)

Eight most abundant ions (m/z)								Relative abundances (%)								Name	Empirical Formula	Molecular ion, m/z (%)
341	97	269	325	271	343	285	297	86	100	80	58	40	37	36	34	Chlorthiophos III sulphoxide	C11H15Cl2O4PS2	M: 376,378,380(1.0,0.8,0.2%)
341	183	185	339	343	155	157	76	100	50	50	50	50	15	15	15	Bromopropylate	C17H16Br2O3	M:426,428,430(0.5,1,0.5%)
341	282	254	146	255	227	342	238	100	90	75	35	30	25	20	15	Fluazifop methyl	C16H14F3NO4	M:341(100%)
344	388	345	75	372	329	172	403	100	30	30	15	15	10	10	10	Azoxystrobin	C22H17N3O5	M:403(10%)
349	297	494	30	350	296	55	475	100	60	40	25	25	15	15	5	Hydramethylnon	C25H24F6N4	M:494(40%)
353	81	355	351	357	263	237	151	100	90	80	50	35	25	25	20	Heptachlor epoxide	C10H5Cl7O	M:386,388,390,392(3,6,8,4%)
357	97	301	125	109	329	359	240	81	100	60	49	46	39	35	32	Chlorthiophos III sulphone	C11H15Cl2O5PS2	M:392,394,396(4,3,1%)
359	97	29	303	357	301	125	242	50	100	50	40	40	30	25	25	Bromophos-ethyl	C10H12BrCl2O3PS	M:392(0%)
361	109	363	396	398	79	97	93	100	55	35	25	15	15	10	5	Iodofenphos oxon	C8H8Cl2IO4P	M:396,398(25,15%)
362	109	97	226	210	29	125	364	100	95	90	70	50	50	35	35	Coumaphos	C14H16ClO5PS	M:362,364(100,35%)
367	369	213	351	255	215	353	85	100	70	40	35	25	25	20	20	Fipronil	C12H4Cl2F6N4OS	M:436,438(0,0%)
371	117	88	62	89	61	372	216	100	50	15	15	10	10	5	5	*Ioxynil	C7H3I2NO	M:371(100%)
373	375	377	371	237	272	100	379	100	95	50	45	25	20	20	20	Chlordane	C10H6Cl8	M:406,408,410,412(2,4,5,2%)
377	379	125	93	79	109	47	250	100	40	35	20	20	20	15	10	Iodofenphos	C8H8Cl2IO3PS	M:412,414(2,1%)
409	407	411	405	413	237	272	109	100	90	65	35	25	20	20	20	Nonachlor	C10H5Cl9	M:440,442,444,446,448(2,5,5,3,2%)
429	173	47	221	355	281	430	431	45	100	35	25	25	15	15	15	silicones, cyclic (e.g. Si9)	C18H54O9Si9	M:666(0%)
466	93	203	125	467	468	357	155	100	20	20	20	20	20	5	5	*Temephos	C16H20O6P2S3	M:466(100%)
522	524	290	163	277	360	362	157	100	100	70	45	35	35	35	25	*Brodifacoum	C31H23BrO3	M:522,524(100,100%)