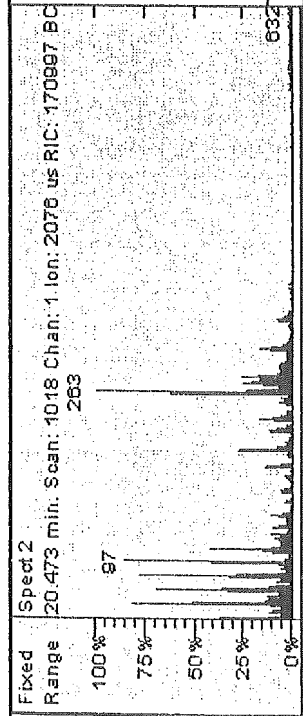
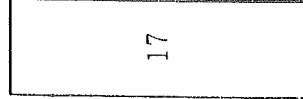
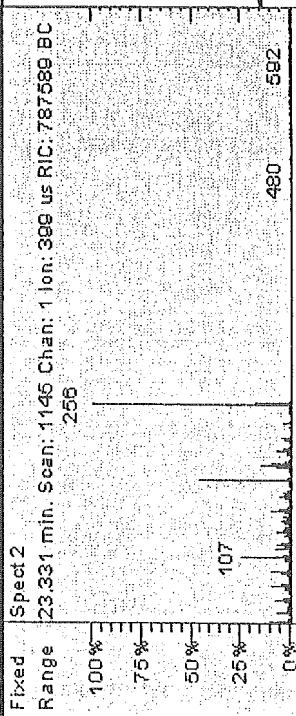
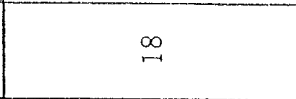
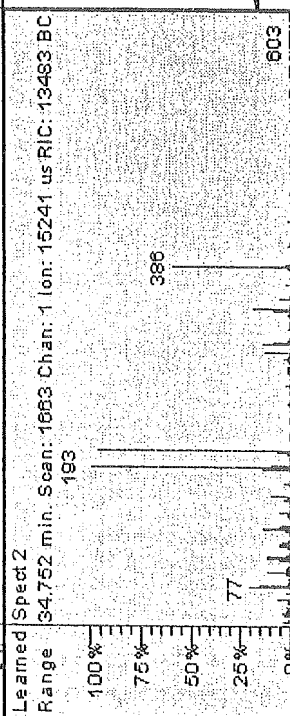
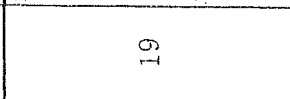


17	<p>Fixed Range</p> <p>Spect 2</p> <p>20.473 min. Scan: 1018 Chan: 1 Ion: 2078 us RIC: 170997 BC</p> 	 <p>Chlorendic acid</p>	524	891	D
18	<p>Fixed Range</p> <p>Spect 2</p> <p>23.331 min. Scan: 1145 Chan: 1 Ion: 389 us RIC: 787589 BC</p> 		X	X	X
19	<p>Learned Spect 2</p> <p>34.752 min. Scan: 1663 Chan: 1 Ion: 15241 us RIC: 13463 BC</p> 		X	X	X

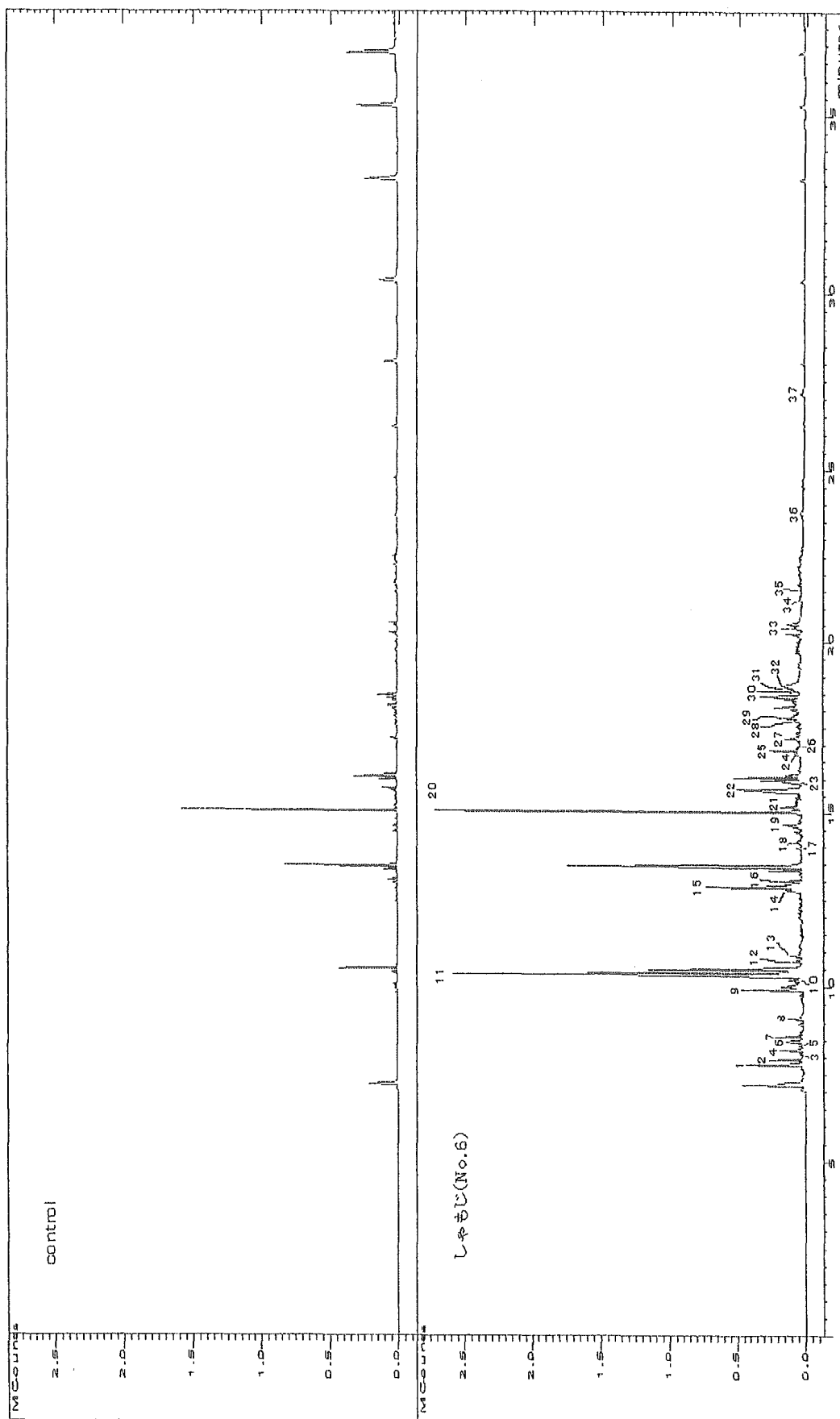
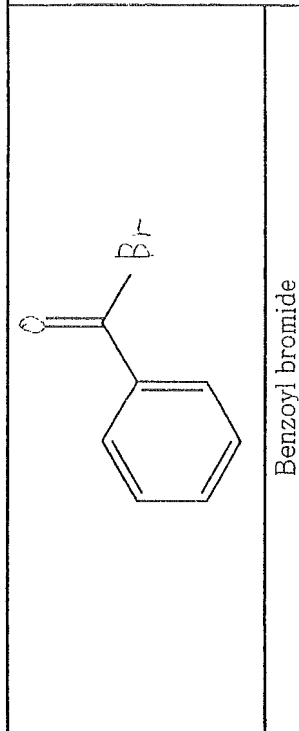
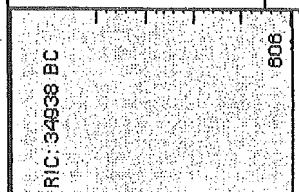
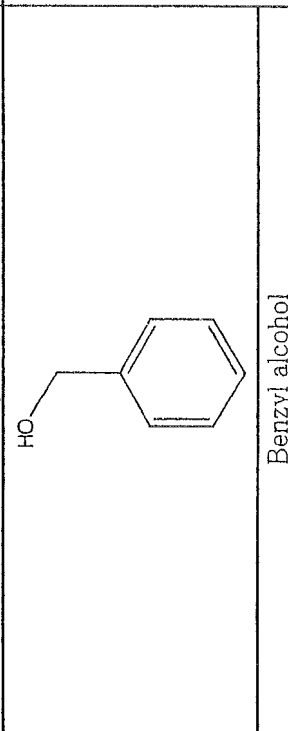
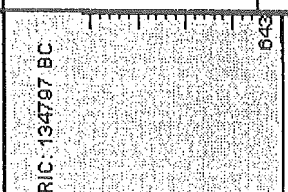
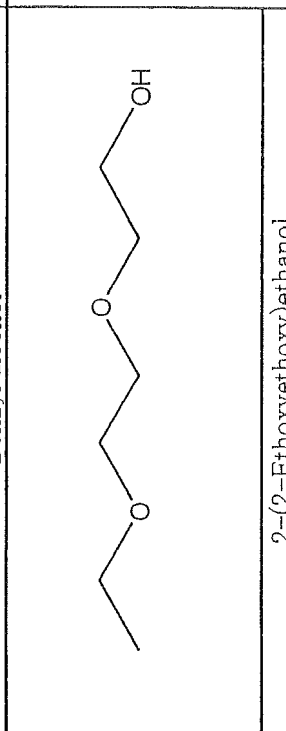
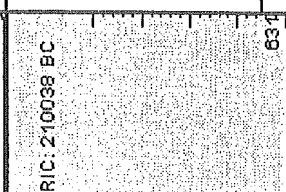
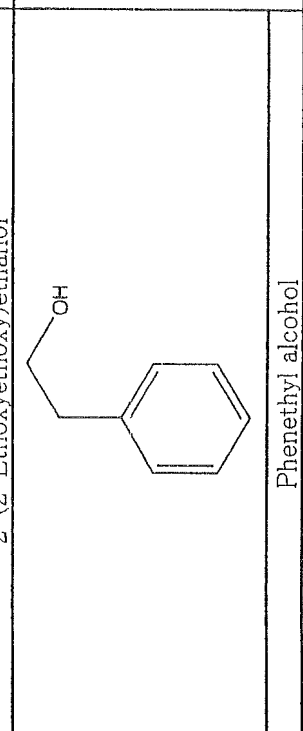
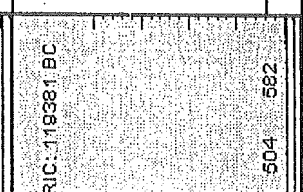
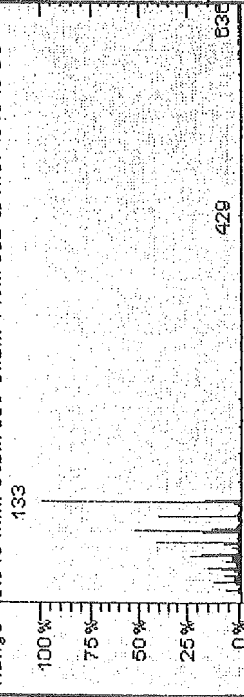
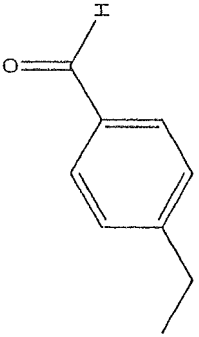
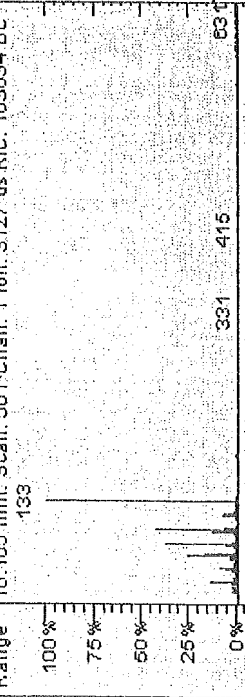
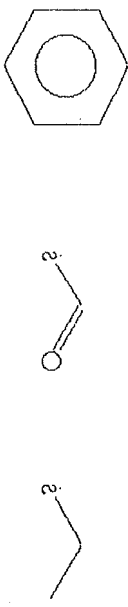
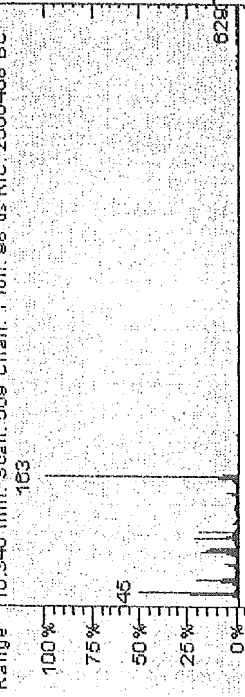
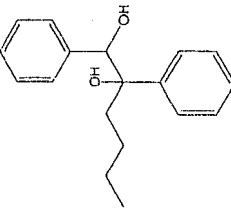
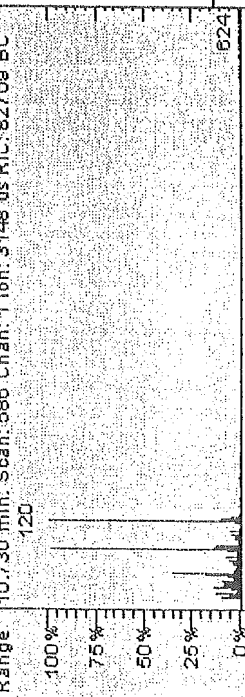
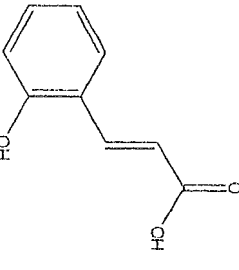


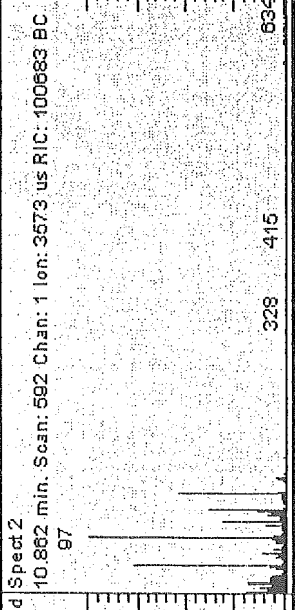
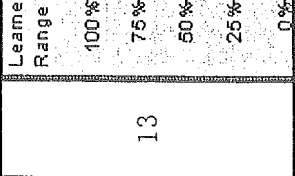
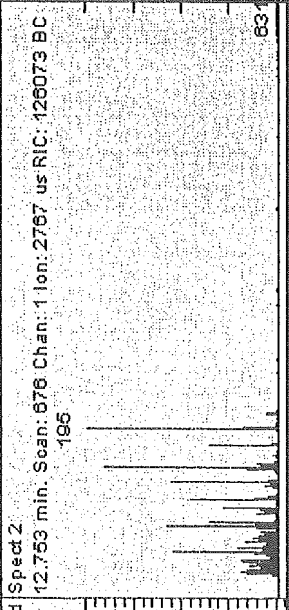
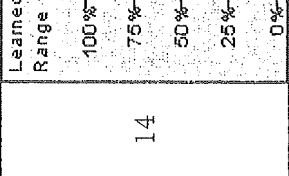
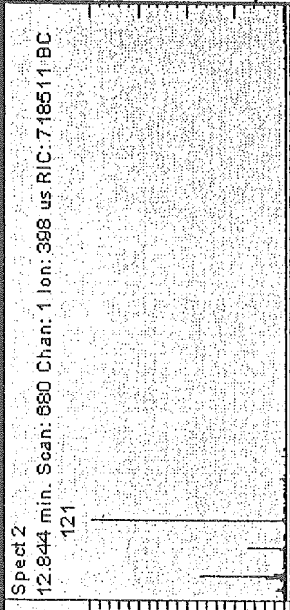
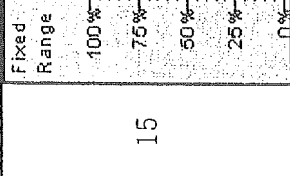
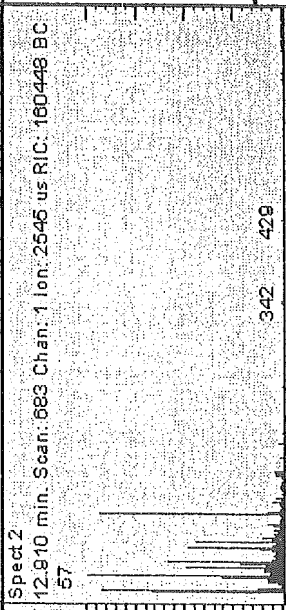
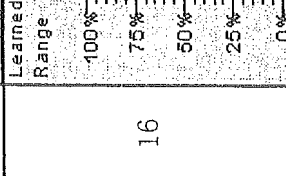
Fig.3-6. しゃもじ (No.6)のトータルイオンクロマトグラム(下)とcontrolのトータルイオンクロマトグラム(上)

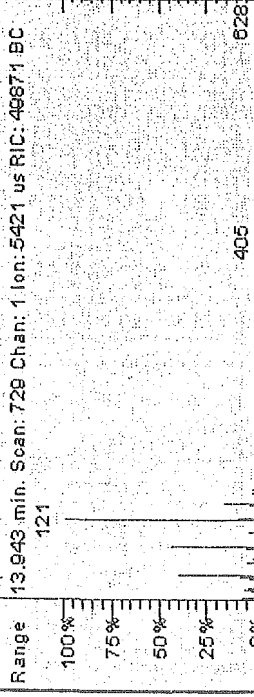
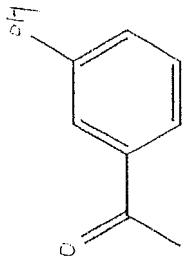
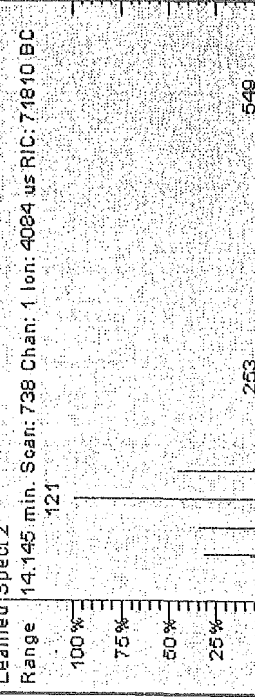
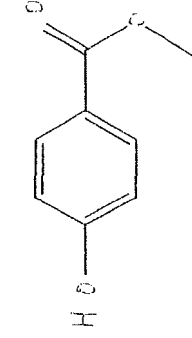
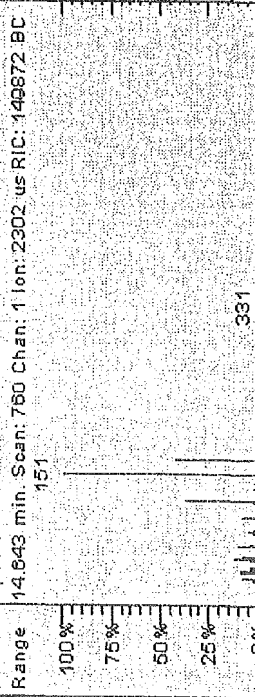
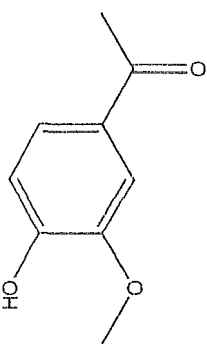
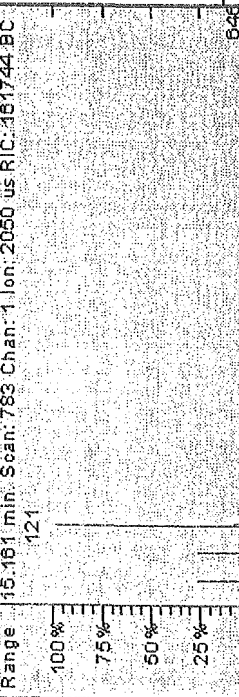
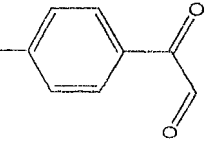
Table.3-6. しゃもじ(No.6)から検出された有機化学物質のマススペクトルと構造式の一覧

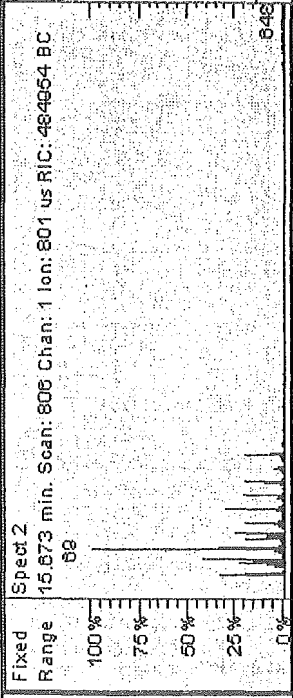
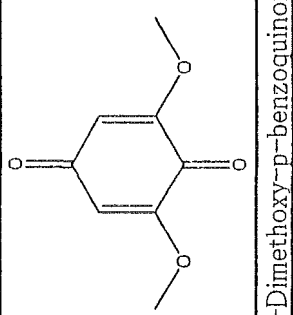
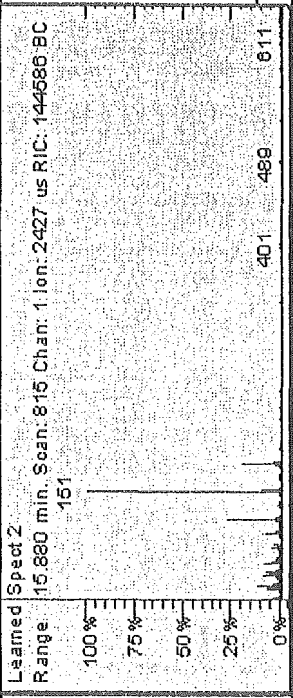
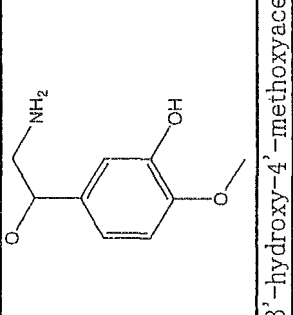
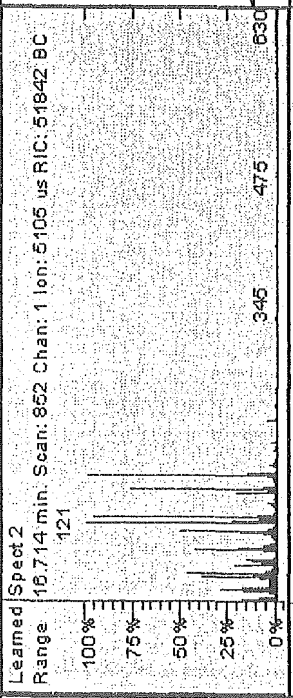
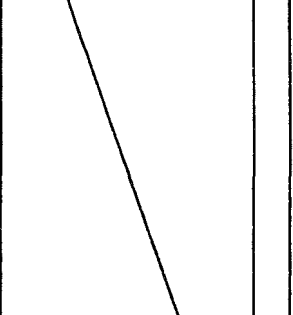
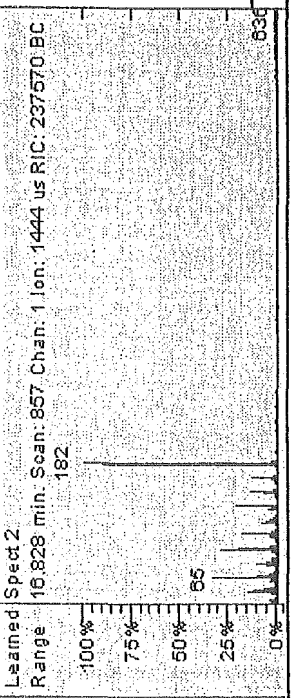
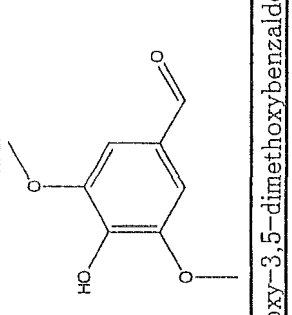
No	マススペクトル	フラグメンテーションがよく一致した化合物の構造式と化合物名	Purity	Fit	信頼度
1	<p>Learned Spect2 Range 7.774 min. Scan: 455 Chan: 1 Ion: 723 us RIC: 423112 BC</p>	 Benzyl alcohol	854	920	A
2	<p>Learned Spect2 Range 7.830 min. Scan: 462 Chan: 1 Ion: 1224 us RIC: 247526 BC</p>	 Spiro[2,4]hepta-4,6-diene	806	922	A
3	<p>Fixed Range Range 8.109 min. Scan: 470 Chan: 1 Ion: 6988 us RIC: 33779 BC</p>	 o-cresol	767	850	B
4	<p>Learned Spect2 Range 8.198 min. Scan: 474 Chan: 1 Ion: 2001 us RIC: 176270 BC</p>	 2-acetylpyrrole	837	900	A

5	<p>Fixed Range 8.335 min. Scan: 480 Chan: 1 Ion: 7340 us RIC: 34938 BC</p>  <p>Spect 2</p>	 <p>Benzoyl bromide</p>	663	870	C
6	<p>Fixed Range 8.447 min. Scan: 485 Chan: 1 Ion: 1964 us RIC: 134797 BC</p>  <p>Spect 2</p>	 <p>Benzyl alcohol</p>	413	860	E
7	<p>Fixed Range 8.581 min. Scan: 491 Chan: 1 Ion: 3216 us RIC: 210038 BC</p>  <p>Spect 2</p>	 <p>2-(2-Ethoxyethoxy)ethanol</p>	676	763	C
8	<p>Learned Spect 2</p> <p>Range 9.102 min. Scan: 514 Chan: 1 Ion: 2269 us RIC: 119381 BC</p> 	 <p>Phenethyl alcohol</p>	776	926	B

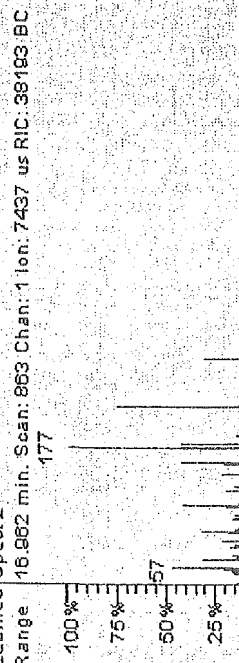
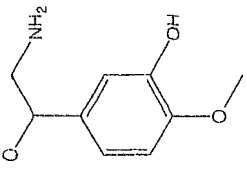

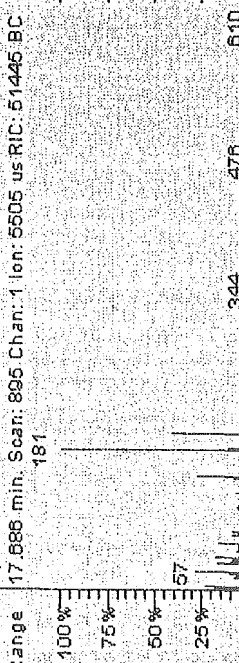
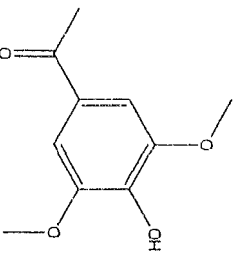

9	<p>Learned Spect 2 Range 9.916 min. Scan: 550 Chan: 1 Ion: 802 us RIC: 461045 BC</p> 	 <p>4-Ethylbenzaldehyde</p>	828	909	A
10	<p>Learned Spect 2 Range 10.165 min. Scan: 561 Chan: 1 Ion: 3127 us RIC: 103634 BC</p> 	 <p>Benzaldehyde, ethyl-</p>	827	914	A
11	<p>Learned Spect 2 Range 10.346 min. Scan: 569 Chan: 1 Ion: 98 us RIC: 2586488 BC</p> 	 <p>1,2-diphenyl-1,2-hexanediol</p>	421	793	E
12	<p>Fixed Range Range 10.730 min. Scan: 586 Chan: 1 Ion: 3148 us RIC: 82768 BC</p> 	 <p>o-hydroxycinnamic acid</p>	748	879	B

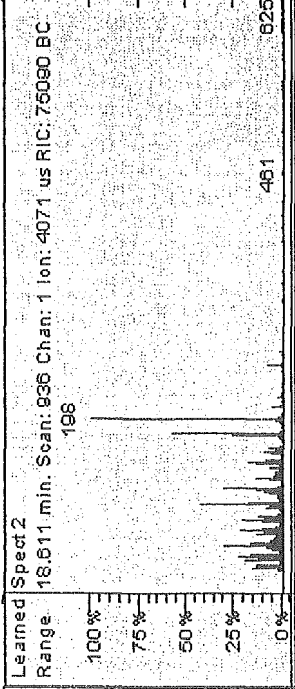
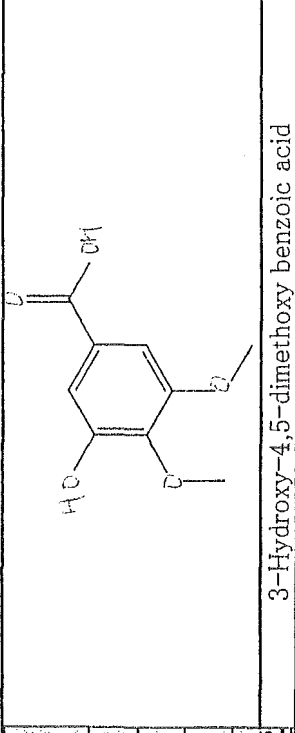
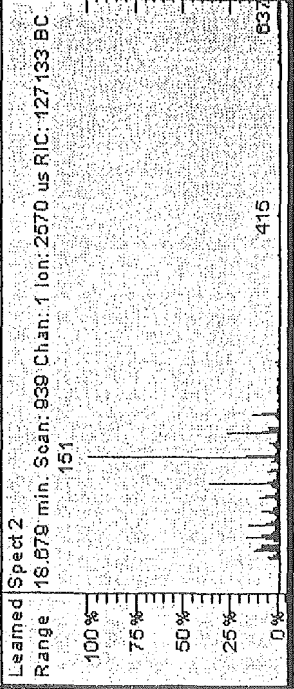
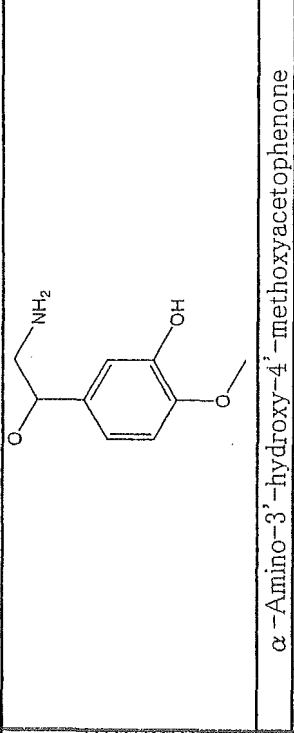
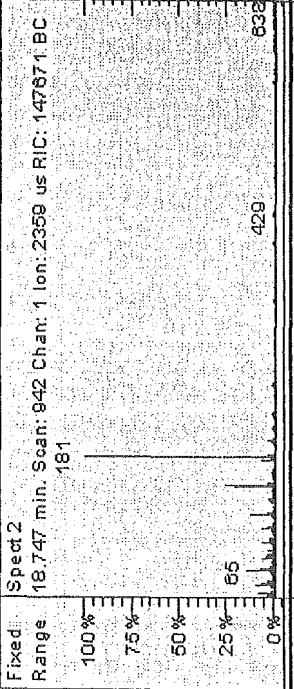
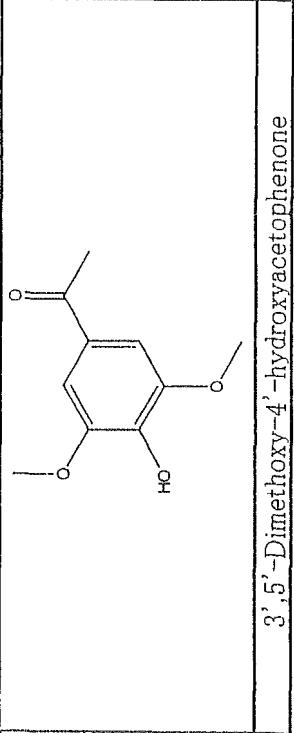
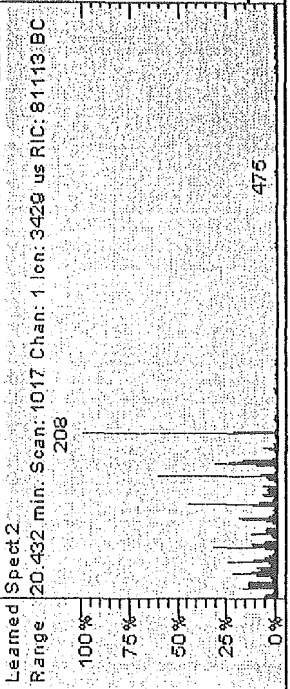
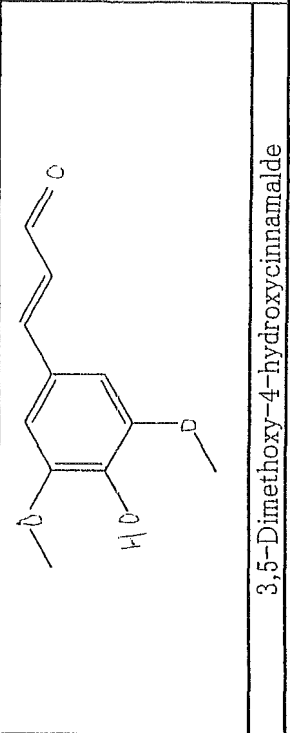
13	<p>Learned Spect 2 Range 10.862 min. Scan: 592 Chan: 1 Ion: 3573 us RIC: 100683 BC</p> 	 <p>Ethyl 7-oxa-7-(2-n-propyl-2-methyl-5-oxocyclopentyl)heptanoate</p>	489	924	E
14	<p>Learned Spect 2 Range 12.753 min. Scan: 676 Chan: 1 Ion: 2767 us RIC: 126073 BC</p> 	 <p>2,6-Dimethoxyphenol</p>	409	843	E
15	<p>Fixed Spect 2 Range 12.844 min. Scan: 680 Chan: 1 Ion: 388 us RIC: 718511 BC</p> 	 <p>6-methoxy-2-[4-hydroxybenzylidene]-Coumaran-3-one</p>	744	858	B
16	<p>Learned Spect 2 Range 12.910 min. Scan: 683 Chan: 1 Ion: 2546 us RIC: 160448 BC</p> 	 <p>6-methoxy-2-[4-hydroxybenzylidene]-Coumaran-3-one</p>			X

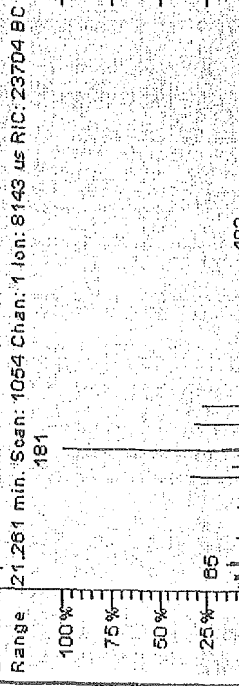
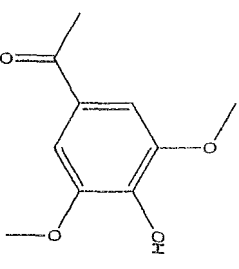
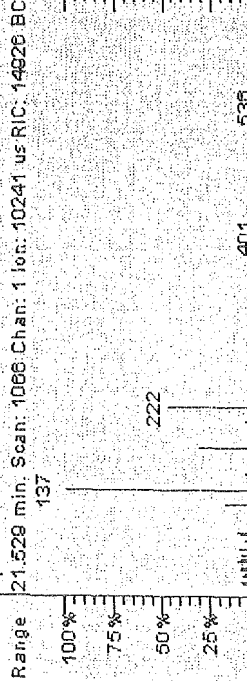
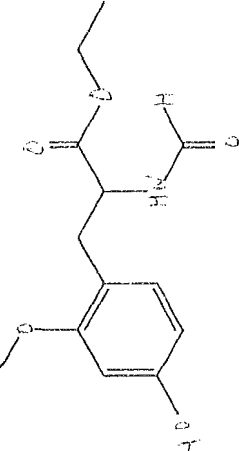
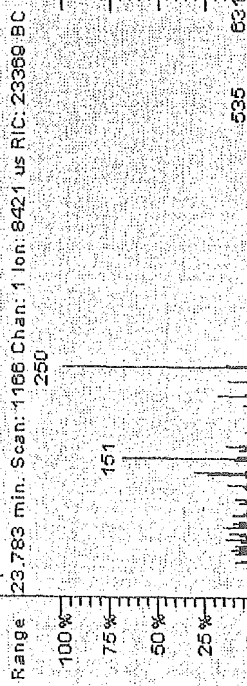
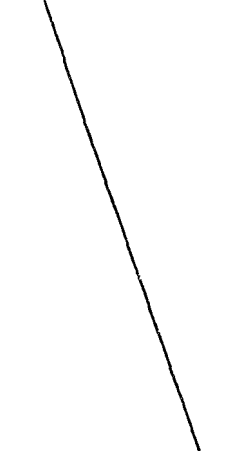
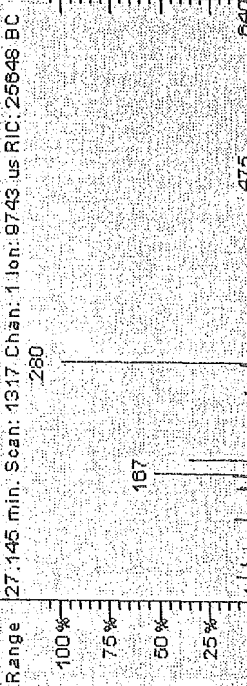
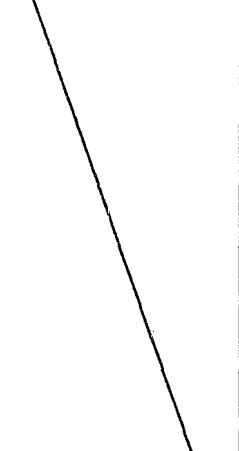
17	<p>Learned Spect 2 Range 13.943 min. Scan: 729 Chan: 1 Ion: 5421 us RIC: 46871 BC</p> 	 <p>m-Hydroxyacetophenone</p>	776	905	B
18	<p>Learned Spect 2 Range 14.145 min. Scan: 738 Chan: 1 Ion: 4084 us RIC: 71810 BC</p> 	 <p>Methyl 4-hydroxybenzoate</p>	824	922	A
19	<p>Learned Spect 2 Range 14.643 min. Scan: 760 Chan: 1 Ion: 2302 us RIC: 149872 BC</p> 	 <p>Ethanone, 1-(4-hydroxy-3-methoxyphenyl)-</p>	888	955	A
20	<p>Learned Spect 2 Range 15.161 min. Scan: 783 Chan: 1 Ion: 2050 us RIC: 161744 BC</p> 	 <p>(p-Hydroxyphenyl)glyoxal</p>	693	862	C

21	<p>Fixed Spect 2 Range 15.673 min. Scan: 806 Chan: 1 Ion: 801 us RIC: 484054 BC</p> 	 <p>2,6-Dimethoxy-p-benzoquinone</p>	665	801	C
22	<p>Learned Spect 2 Range 15.880 min. Scan: 815 Chan: 1 Ion: 2427 us RIC: 144588 BC</p> 	 <p><math>\alpha</math>-Amino-3'-hydroxy-4'-methoxyacetophenone</p>	672	881	C
23	<p>Learned Spect 2 Range 16.714 min. Scan: 852 Chan: 1 Ion: 5105 us RIC: 51842 BC</p> 	 <p>4-Hydroxy-3,5-dimethoxybenzaldehyde</p>	848	948	A
24	<p>Learned Spect 2 Range 16.828 min. Scan: 857 Chan: 1 Ion: 1444 us RIC: 237570 BC</p> 	 <p>4-Hydroxy-3,5-dimethoxybenzaldehyde</p>	848	948	A



25	<p>Learned Spect2 Range 16.982 min. Scan: 863 Chan: 1 Ion: 7437 us RIC: 38183 BC</p> 	 <p><math>\alpha</math>-Amino-3'-hydroxy-4'-methoxyacetophenone</p>			X
26	<p>Fixed Spect2 Range 17.192 min. Scan: 873 Chan: 1 Ion: 2717 us RIC: 124733 BC</p> 			698	837
27	<p>Learned Spect2 Range 17.886 min. Scan: 895 Chan: 1 Ion: 5505 us RIC: 51445 BC</p> 	 <p>3',5'-Dimethoxy-4'-hydroxyacetophenone</p>	688	932	C
28	<p>Learned Spect2 Range 17.776 min. Scan: 899 Chan: 1 Ion: 2391 us RIC: 138236 BC</p> 				

<p>29</p> <p>Learned Spect 2 Range: 18.611 min. Scan: 936 Chan: 1 Ion: 4071 us RIC: 75090 BC</p> 	 <p>3-Hydroxy-4,5-dimethoxy benzoic acid</p>	632	894	C
<p>30</p> <p>Learned Spect 2 Range: 18.878 min. Scan: 939 Chan: 1 Ion: 2570 us RIC: 127133 BC</p> 	 <p><math>\alpha</math>-Amino-3'-hydroxy-4'-methoxyacetophenone</p>	574	918	D
<p>31</p> <p>Fixed Spect 2 Range: 18.747 min. Scan: 942 Chan: 1 Ion: 2359 us RIC: 147671 BC</p> 	 <p>3',5'-Dimethoxy-4'-hydroxyacetophenone</p>	564	829	D
<p>32</p> <p>Learned Spect 2 Range: 20.432 min. Scan: 1017 Chan: 1 Ion: 3429 us RIC: 81113 BC</p> 	 <p>3,5-Dimethoxy-4-hydroxycinnamaldehyde</p>	754	935	B

33	<p>Learned Spect 2 Range: 21.261 min. Scan: 1054 Chan: 1 Ion: 8143 us RIC: 23704 BC</p> 	 <p>3,5'-Dimethoxy-4'-hydroxyacetophenone</p>	404	853	E
34	<p>Learned Spect 2 Range: 21.528 min. Scan: 1066 Chan: 1 Ion: 10241 us RIC: 14926 BC</p> 	 <p>N-Formyl(4-hydroxy-2-methoxyphenyl)alanine, ethyl ester</p>	402	753	E
35	<p>Learned Spect 2 Range: 23.783 min. Scan: 1166 Chan: 1 Ion: 8421 us RIC: 23369 BC</p> 	 <p>N-Formyl(4-hydroxy-2-methoxyphenyl)alanine, ethyl ester</p>	/	/	X
36	<p>Learned Spect 2 Range: 27.145 min. Scan: 1317 Chan: 1 Ion: 9743 us RIC: 25648 BC</p> 	 <p>N-Formyl(4-hydroxy-2-methoxyphenyl)alanine, ethyl ester</p>	/	/	X

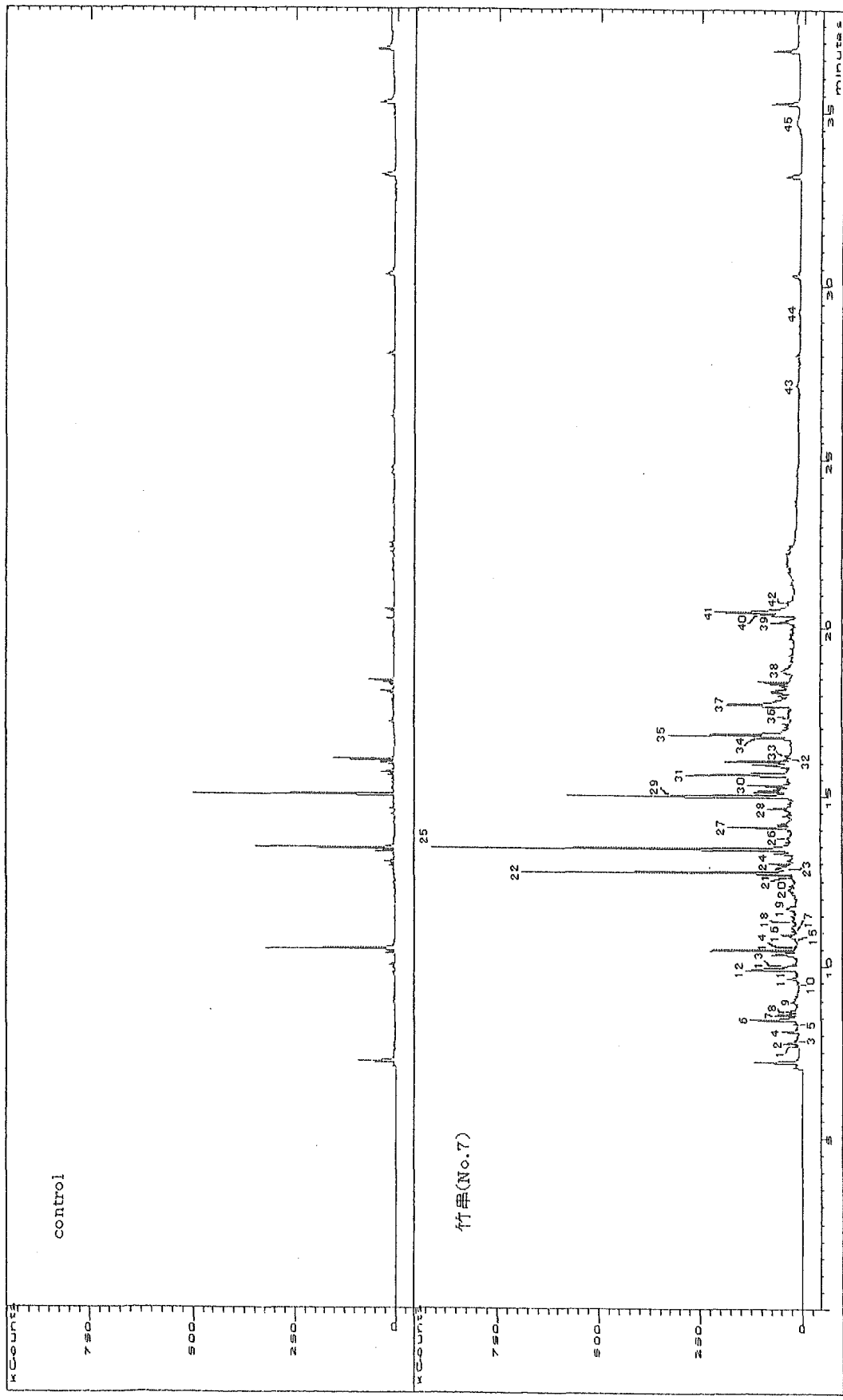
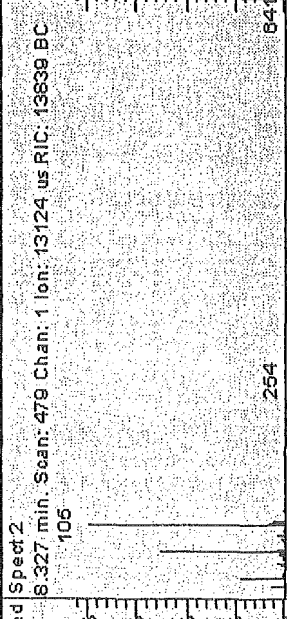
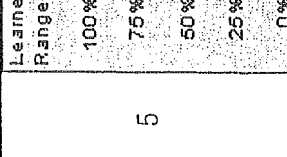
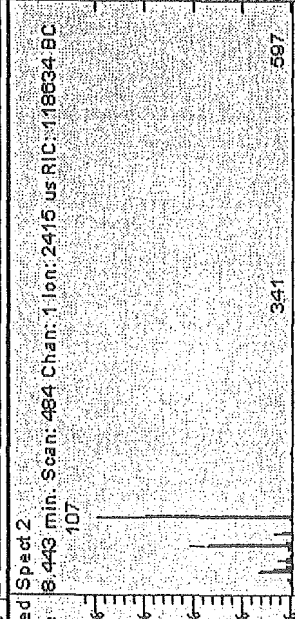
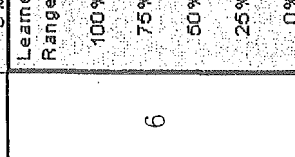
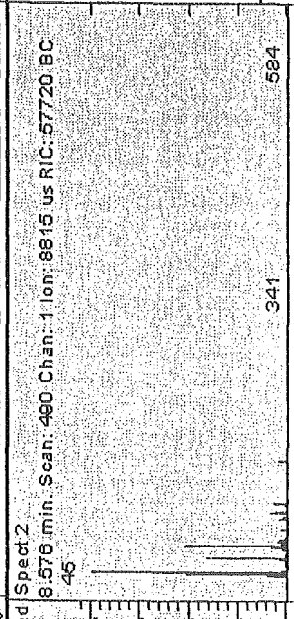
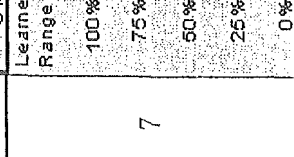
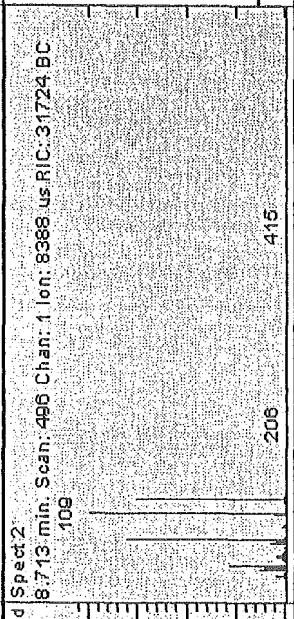
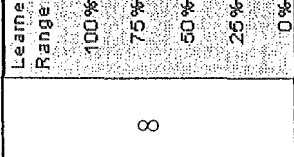
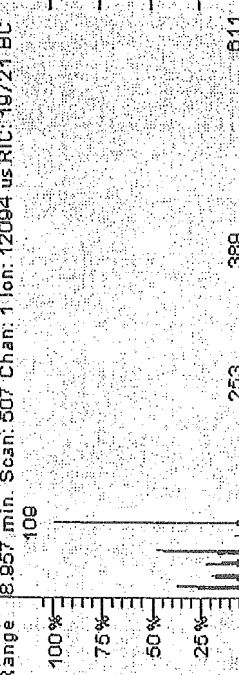
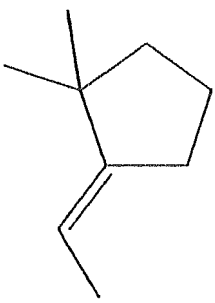
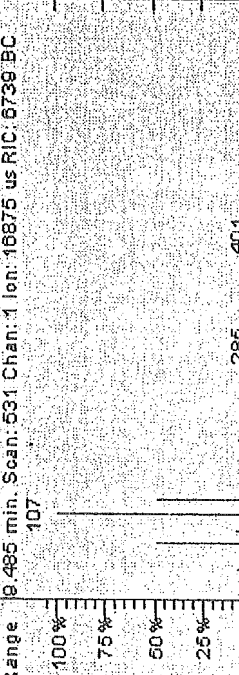
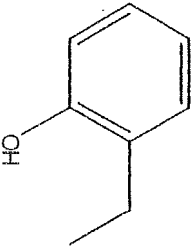

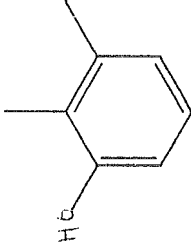
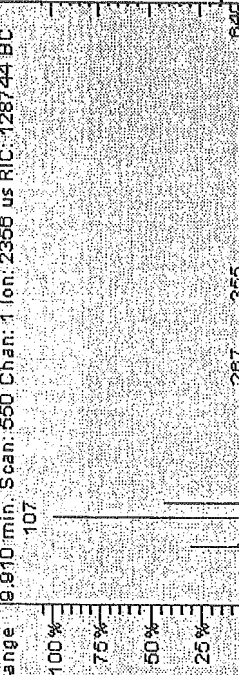
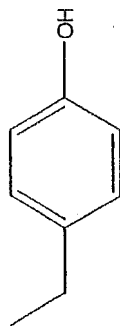


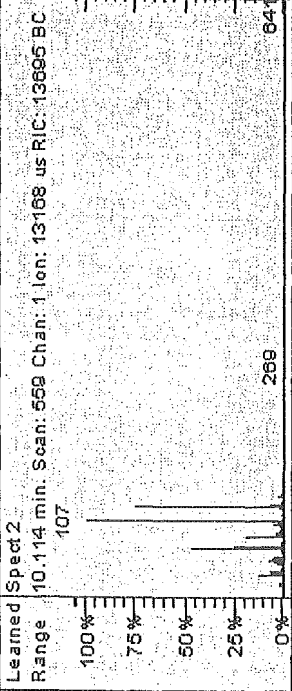
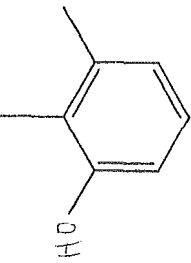
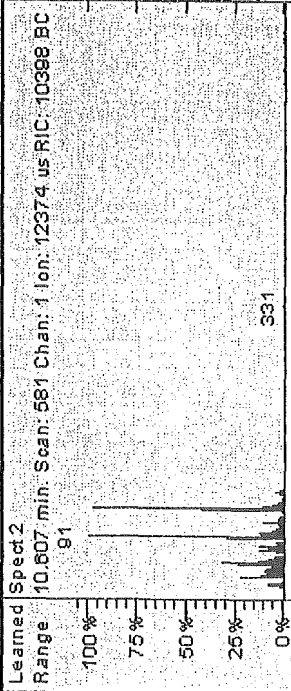
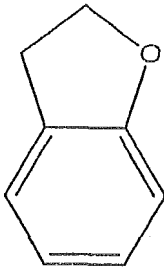
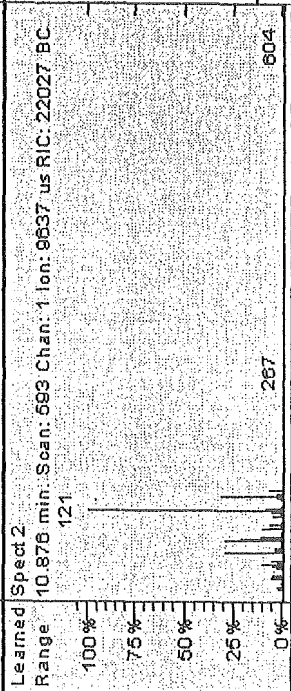
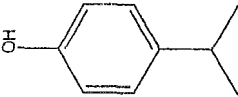
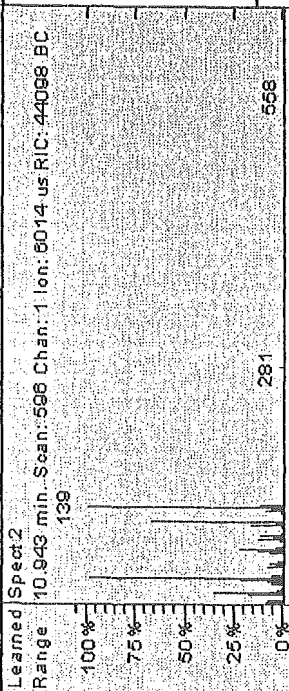
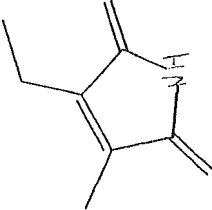
Fig.3-7. 竹葉(No.7)のトータルイオンクロマトグラム(下)とcontrolのトータルイオンクロマトグラム(上)

Table.3-7. 竹串(No.7)から検出された有機化学物質のマススペクトルと構造式と構造式の一覧

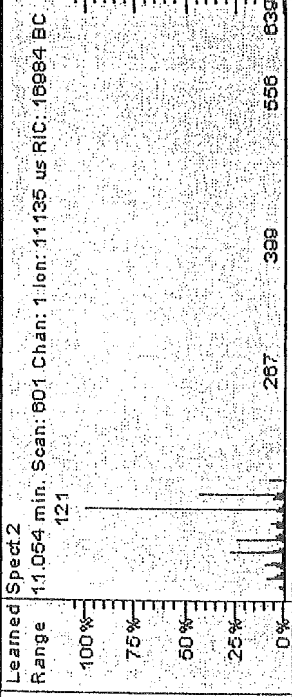
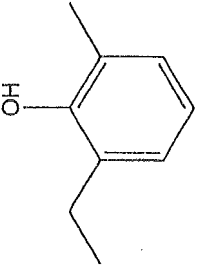
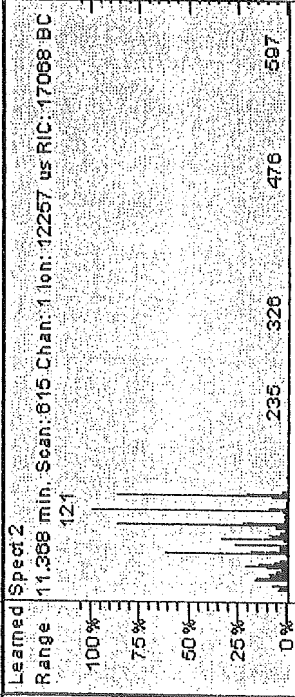
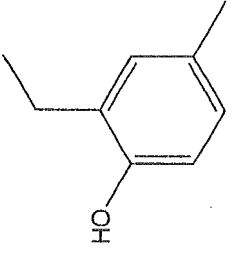
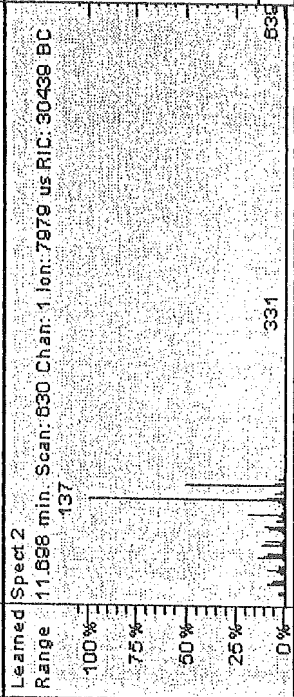
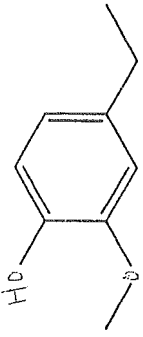
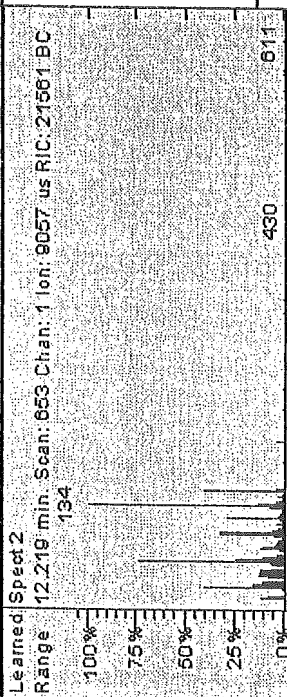
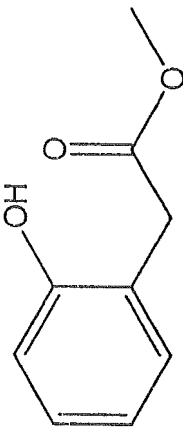
No	マススペクトル	フラグメンテーションがよく一致した化合物の構造式と化合物名	Purity	Fit	信頼度
1	<p>Learned Spect 2 Range: 7.682 min. Scan: 460 Chan: 1 Ion: 15823 us RIC: 18057 BC</p> <p>57 313 467</p>	 2-Ethyl-1-hexanol	649	850	C
2	<p>Learned Spect 2 Range: 7.770 min. Scan: 454 Chan: 1 Ion: 8517 us RIC: 40862 BC</p> <p>79 504 826</p>	 Benzyl alcohol	752	931	B
3	<p>Learned Spect 2 Range: 7.962 min. Scan: 462 Chan: 1 Ion: 18160 us RIC: 7569 BC</p> <p>91 428 611</p>	 7-Methoxycycloheptatriene	580	828	D
4	<p>Learned Spect 2 Range: 8.108 min. Scan: 469 Chan: 1 Ion: 5799 us RIC: 43199 BC</p> <p>107 256 429</p>	 o-cresol	762	903	B

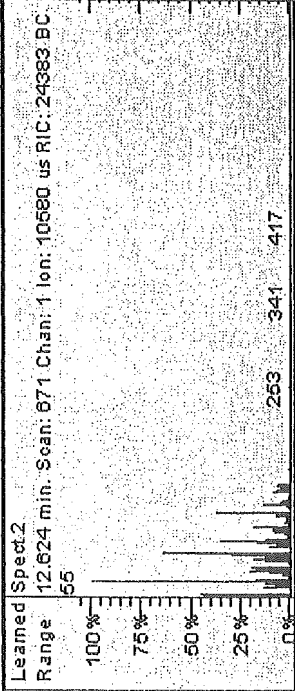
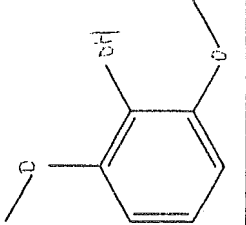
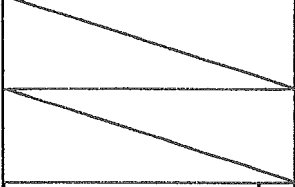
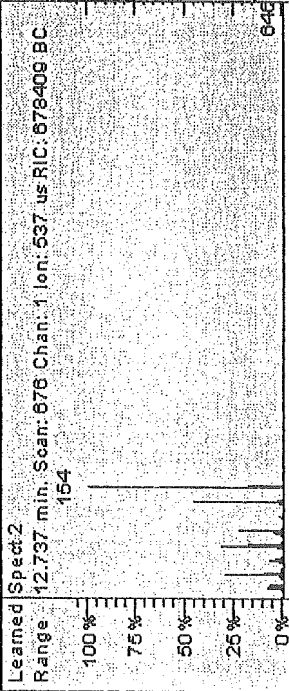
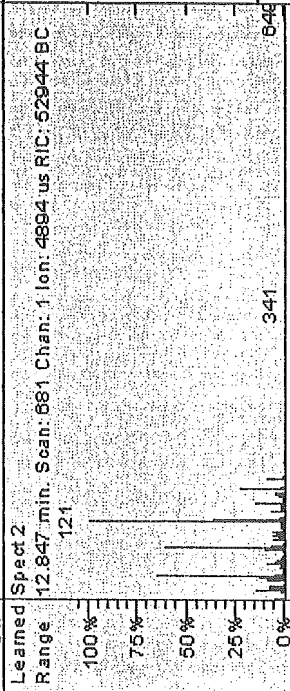
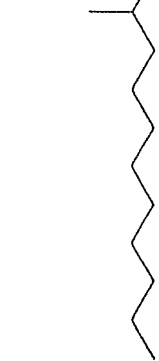
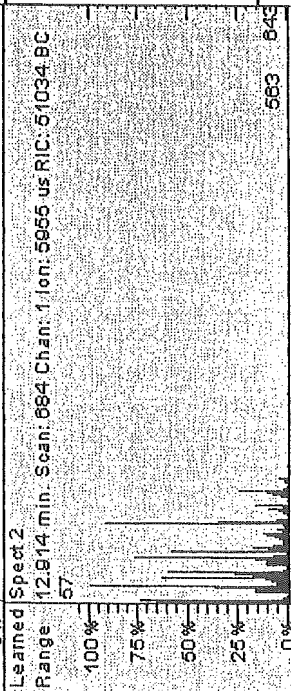
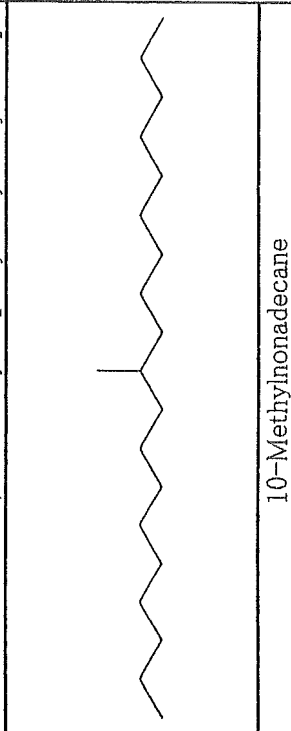
5	<p>Learned Spect 2 Range: 8.327 min. Scan: 479 Chan: 1 Ion: 13124 us RIC: 13639 BC</p> 	 <p>Benzoyl bromide</p>	648	931	C
6	<p>Learned Spect 2 Range: 8.443 min. Scan: 484 Chan: 1 Ion: 2415 us RIC: 118634 BC</p> 	 <p>p-Cresol</p>	759	913	B
7	<p>Learned Spect 2 Range: 8.578 min. Scan: 490 Chan: 1 Ion: 8815 us RIC: 57720 BC</p> 	 <p>Diethylene Glycol Diethyl Ether</p>	540	784	D
8	<p>Learned Spect 2 Range: 8.713 min. Scan: 496 Chan: 1 Ion: 8368 us RIC: 31724 BC</p> 	 <p>2-Methoxyphenol</p>	795	914	B

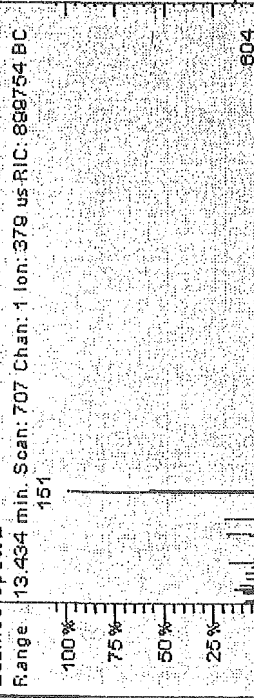
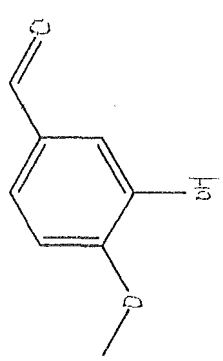
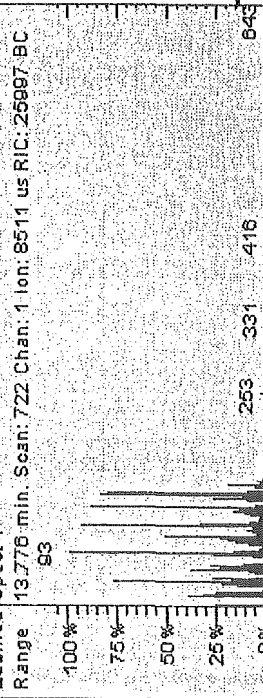
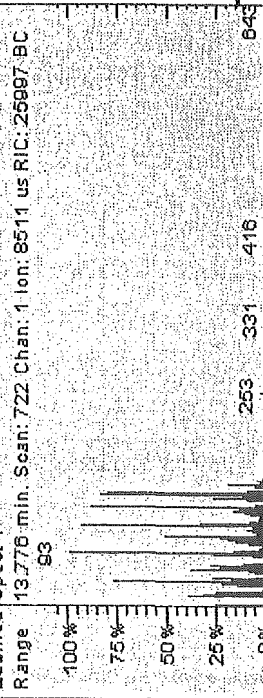
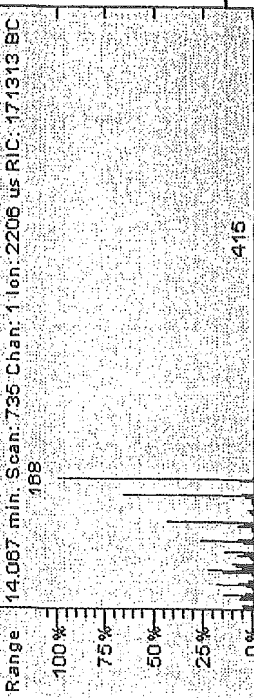
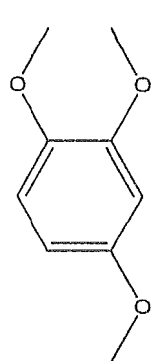
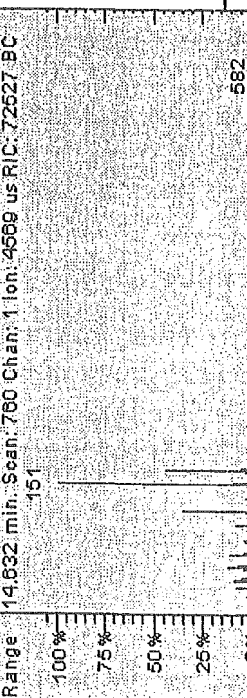
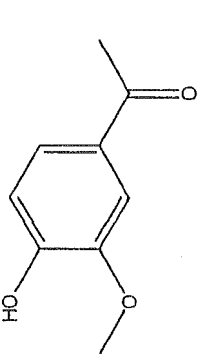
9	<p>Learned Spect 2 Range 8.957 min. Scan: 507 Chan: 1 Ion: 12094 us RIC: 19721 BC</p> 	 <p>Cyclopentane,2-ethylidene-1,1-dimethyl-</p>	632	839	C
10	<p>Learned Spect 2 Range 9.485 min. Scan: 531 Chan: 1 Ion: 16875 us RIC: 6739 BC</p> 	 <p>2-Ethylphenol</p>	611	878	C
11	<p>Fixed Spect 2 Range 9.639 min. Scan: 538 Chan: 1 Ion: 8283 us RIC: 26824 BC</p> 	 <p>2,3-xyleneol</p>	746	928	B
12	<p>Learned Spect 2 Range 9.910 min. Scan: 550 Chan: 1 Ion: 2356 us RIC: 128744 BC</p> 	 <p>4-Ethylphenol</p>	770	927	B

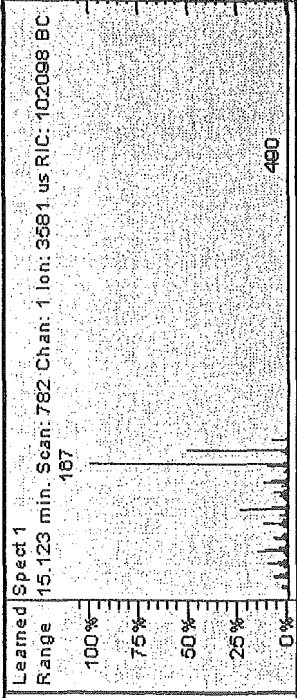
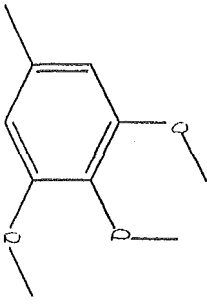
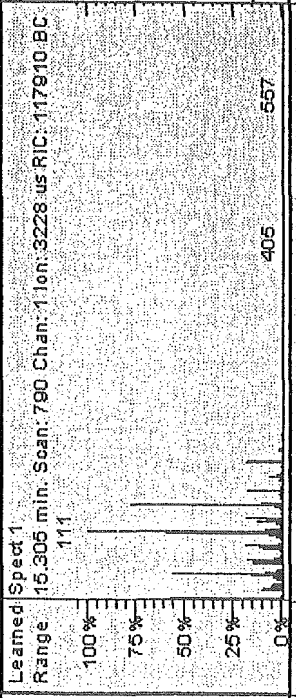
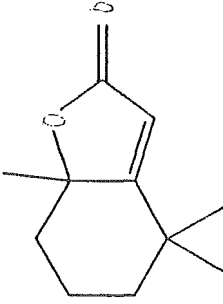

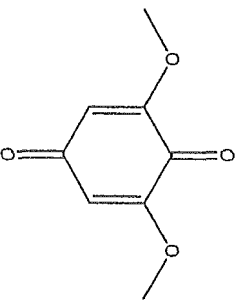
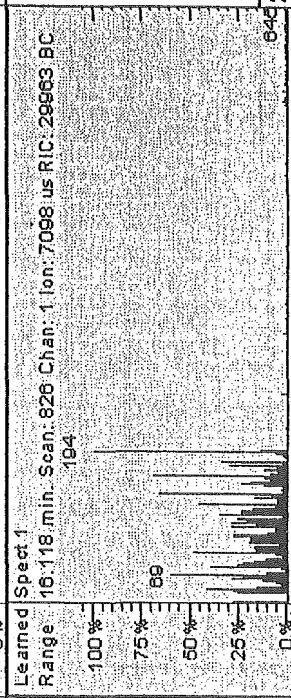
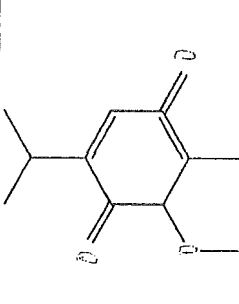
13	<p>Learned Spect 2 Range: 10.114 min. Scan: 569 Chan: 1 Ion: 43168 us RIC: 13695 BC</p> 	 <p>2,3-xyleneol</p>	731	915	B
14	<p>Learned Spect 2 Range: 10.607 min. Scan: 581 Chan: 1 Ion: 12374 us RIC: 10398 BC</p> 	 <p>2,3-Dihydrobenzofuran</p>	541	800	D
15	<p>Learned Spect 2 Range: 10.876 min. Scan: 593 Chan: 1 Ion: 9637 us RIC: 22027 BC</p> 	 <p>para-isopropylphenol</p>	666	856	C
16	<p>Learned Spect 2 Range: 10.943 min. Scan: 596 Chan: 1 Ion: 6014 us RIC: 44098 BC</p> 	 <p>2H-Pyrrde-2,5-dione, 3-methyl-4methyl-</p>	551	940	D



17	<p>Learned Spect 2 Range 11.054 min. Scan: 801 Chan: 1 Ion: 11135 us RIC: 16984 BC</p> 	 <p>Phenol, 2-methyl-6-methyl-</p>	662	908	C
18	<p>Learned Spect 2 Range 11.368 min. Scan: 615 Chan: 1 Ion: 12257 us RIC: 17068 BC</p> 	 <p>Phenol, 2-ethyl-4-methyl-</p>	650	834	C
19	<p>Learned Spect 2 Range 11.698 min. Scan: 630 Chan: 1 Ion: 7979 us RIC: 30439 BC</p> 	 <p>1-Hydroxy-2-methoxy-4-ethyl benzene</p>	713	893	B
20	<p>Learned Spect 2 Range 12.219 min. Scan: 653 Chan: 1 Ion: 9057 us RIC: 21561 BC</p> 	 <p>Benzeneacetic acid, 2-hydroxy-, methyl ester</p>	407	795	E

21	<p>Learned Spect 2 Range: 12.624 min. Scan: 671 Chan: 1 Ion: 10560 us RIC: 24383 BC</p> 	 <p>2,6-Dimethoxyphenol</p>		X
22	<p>Learned Spect 2 Range: 12.737 min. Scan: 676 Chan: 1 Ion: 537 us RIC: 678409 BC</p> 			
23	<p>Learned Spect 2 Range: 12.847 min. Scan: 681 Chan: 1 Ion: 4894 us RIC: 52944 BC</p> 	 <p>10-Methylnonadecane</p>	498 832	E
24	<p>Learned Spect 2 Range: 12.914 min. Scan: 684 Chan: 1 Ion: 5955 us RIC: 51034 BC</p> 			325 752

25	<p>Learned Spect 2 Range: 13.434 min. Scan: 707 Chan: 1 Ion: 379 us RIC: 888754 BC</p> 	 <p>Isovanillin</p>	726	934	B
26	<p>Learned Spect 1 Range: 13.776 min. Scan: 722 Chan: 1 Ion: 8511 us RIC: 25997 BC</p> 				X
27	<p>Learned Spect 1 Range: 14.067 min. Scan: 735 Chan: 1 Ion: 2206 us RIC: 171313 BC</p> 	 <p>1,2,4-Trimethoxybenzene</p>	723	887	B
28	<p>Learned Spect 1 Range: 14.632 min. Scan: 760 Chan: 1 Ion: 4569 us RIC: 72627 BC</p> 	 <p>Ethanone, 1-(4-hydroxy-3-methoxyphenyl)-</p>	792	934	B

29	<p>Learned Spect 1 Range 15.123 min. Scan: 782 Chan: 1 Ion: 3681 us RIC: 102098 BC</p> 	 <p>3,4,5-Trimethoxytoluene</p>	643	826	C
30	<p>Learned Spect 1 Range 15.305 min. Scan: 790 Chan: 1 Ion: 3228 us RIC: 117910 BC</p> 	 <p>2(4H)-Benzofuranone,5,6,7,7a-tetrahydro-4,4,7a-trimethyl-, (R)-</p>	708	931	B
31	<p>Learned Spect 1 Range 15.621 min. Scan: 804 Chan: 1 Ion: 1235 us RIC: 274054 BC</p> 	 <p>2,6-Dimethoxy-p-benzoquinone</p>	674	847	C
32	<p>Learned Spect 1 Range 16.118 min. Scan: 826 Chan: 1 Ion: 7098 us RIC: 29563 BC</p> 	 <p>2,5-Cyclohexadiene-1,4-dione,3-methoxy-2-methyl-5-(1-methylethyl)-</p>	434	794	E