

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091120\  
 Data File : VV018195.D  
 Acq On : 11 Sep 2020 14:05  
 Operator : SY/MD  
 Sample : L3950-15ME  
 Misc : 7.00µL/5.0mL/100µL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFWZ5ME

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090920WMA.M  
 Title : VOC Analysis

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 1.219    | 35         | 40       | 47        | rBV   | 12434       | 11320      | 0.88%        | 0.123%     |
| 2      | 1.315    | 62         | 70       | 84        | rVB   | 163848      | 183455     | 14.22%       | 1.985%     |
| 3      | 1.531    | 133        | 137      | 142       | rBV3  | 2531        | 2896       | 0.22%        | 0.031%     |
| 4      | 1.576    | 143        | 151      | 166       | rBV   | 129364      | 170516     | 13.21%       | 1.845%     |
| 5      | 2.103    | 304        | 315      | 326       | rBV   | 311404      | 450093     | 34.88%       | 4.871%     |
| 6      | 2.447    | 420        | 422      | 424       | rBV2  | 218         | 113        | 0.01%        | 0.001%     |
| 7      | 2.515    | 436        | 443      | 451       | rVB2  | 2009        | 3451       | 0.27%        | 0.037%     |
| 8      | 2.553    | 452        | 455      | 461       | rBV   | 140         | 120        | 0.01%        | 0.001%     |
| 9      | 2.630    | 466        | 479      | 494       | rBV   | 5245        | 11367      | 0.88%        | 0.123%     |
| 10     | 2.724    | 505        | 508      | 512       | rVB2  | 200         | 189        | 0.01%        | 0.002%     |
| 11     | 2.746    | 512        | 515      | 518       | rBV3  | 319         | 224        | 0.02%        | 0.002%     |
| 12     | 2.769    | 520        | 522      | 527       | rVV4  | 273         | 213        | 0.02%        | 0.002%     |
| 13     | 2.839    | 542        | 544      | 547       | rBV   | 208         | 104        | 0.01%        | 0.001%     |
| 14     | 2.939    | 571        | 575      | 579       | rVB3  | 274         | 213        | 0.02%        | 0.002%     |
| 15     | 2.978    | 585        | 587      | 593       | rVB   | 216         | 133        | 0.01%        | 0.001%     |
| 16     | 3.061    | 608        | 613      | 615       | rVB2  | 133         | 101        | 0.01%        | 0.001%     |
| 17     | 3.077    | 615        | 618      | 623       | rVB   | 164         | 121        | 0.01%        | 0.001%     |
| 18     | 3.119    | 628        | 631      | 636       | rVB   | 198         | 179        | 0.01%        | 0.002%     |
| 19     | 3.235    | 663        | 667      | 673       | rBV2  | 157         | 173        | 0.01%        | 0.002%     |
| 20     | 3.283    | 679        | 682      | 685       | rBV   | 151         | 110        | 0.01%        | 0.001%     |
| 21     | 3.380    | 710        | 712      | 716       | rBV   | 136         | 118        | 0.01%        | 0.001%     |
| 22     | 3.508    | 748        | 752      | 755       | rBV2  | 132         | 104        | 0.01%        | 0.001%     |
| 23     | 3.669    | 799        | 802      | 807       | rBV   | 151         | 108        | 0.01%        | 0.001%     |
| 24     | 3.920    | 868        | 880      | 940       | rBV   | 51287       | 230875     | 17.89%       | 2.499%     |
| 25     | 4.367    | 1003       | 1019     | 1053      | rVB   | 188713      | 499736     | 38.73%       | 5.408%     |
| 26     | 4.582    | 1083       | 1086     | 1089      | rBV3  | 243         | 109        | 0.01%        | 0.001%     |
| 27     | 4.633    | 1101       | 1102     | 1107      | rVB   | 164         | 114        | 0.01%        | 0.001%     |
| 28     | 4.666    | 1108       | 1112     | 1114      | rBV2  | 235         | 188        | 0.01%        | 0.002%     |
| 29     | 4.678    | 1114       | 1116     | 1120      | rVB3  | 191         | 125        | 0.01%        | 0.001%     |
| 30     | 4.810    | 1155       | 1157     | 1160      | rVV   | 217         | 97         | 0.01%        | 0.001%     |
| 31     | 4.900    | 1182       | 1185     | 1187      | rBV2  | 221         | 107        | 0.01%        | 0.001%     |
| 32     | 5.061    | 1218       | 1235     | 1276      | rBV2  | 516752      | 1290429    | 100.00%      | 13.965%    |
| 33     | 5.225    | 1284       | 1286     | 1291      | rVB3  | 419         | 270        | 0.02%        | 0.003%     |
| 34     | 5.289    | 1303       | 1306     | 1310      | rVB   | 184         | 120        | 0.01%        | 0.001%     |

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 Title : VOC Analysis

|    |       |      |      |      |      |        |         |        |         |
|----|-------|------|------|------|------|--------|---------|--------|---------|
| 35 | 5.325 | 1310 | 1317 | 1319 | rBV3 | 219    | 223     | 0.02%  | 0.002%  |
| 36 | 5.360 | 1319 | 1328 | 1334 | rBV4 | 1594   | 2712    | 0.21%  | 0.029%  |
| 37 | 5.424 | 1345 | 1348 | 1352 | rVB2 | 490    | 357     | 0.03%  | 0.004%  |
| 38 | 5.505 | 1369 | 1373 | 1374 | rBV  | 176    | 134     | 0.01%  | 0.001%  |
| 39 | 5.559 | 1385 | 1390 | 1396 | rBV  | 194    | 238     | 0.02%  | 0.003%  |
| 40 | 5.633 | 1400 | 1413 | 1446 | rBV  | 285299 | 592343  | 45.90% | 6.410%  |
| 41 | 5.923 | 1492 | 1503 | 1522 | rBV2 | 20003  | 41583   | 3.22%  | 0.450%  |
| 42 | 5.994 | 1523 | 1525 | 1526 | rBV2 | 363    | 164     | 0.01%  | 0.002%  |
| 43 | 6.087 | 1541 | 1554 | 1583 | rBV  | 274667 | 576655  | 44.69% | 6.240%  |
| 44 | 6.289 | 1614 | 1617 | 1621 | rVB  | 164    | 103     | 0.01%  | 0.001%  |
| 45 | 6.440 | 1660 | 1664 | 1667 | rBV2 | 123    | 98      | 0.01%  | 0.001%  |
| 46 | 6.675 | 1735 | 1737 | 1740 | rVV3 | 340    | 202     | 0.02%  | 0.002%  |
| 47 | 6.756 | 1758 | 1762 | 1768 | rVB2 | 152    | 148     | 0.01%  | 0.002%  |
| 48 | 6.801 | 1769 | 1776 | 1780 | rVV2 | 132    | 140     | 0.01%  | 0.002%  |
| 49 | 7.003 | 1828 | 1839 | 1872 | rBV  | 147313 | 292799  | 22.69% | 3.169%  |
| 50 | 7.138 | 1878 | 1881 | 1884 | rVB  | 304    | 193     | 0.01%  | 0.002%  |
| 51 | 7.193 | 1895 | 1898 | 1904 | rVB2 | 276    | 233     | 0.02%  | 0.003%  |
| 52 | 7.219 | 1904 | 1906 | 1907 | rBV2 | 279    | 137     | 0.01%  | 0.001%  |
| 53 | 7.334 | 1930 | 1942 | 1970 | rBV  | 578957 | 1037397 | 80.39% | 11.227% |
| 54 | 7.640 | 2026 | 2037 | 2072 | rBV  | 102062 | 205825  | 15.95% | 2.227%  |
| 55 | 7.759 | 2072 | 2074 | 2081 | rVV3 | 622    | 640     | 0.05%  | 0.007%  |
| 56 | 7.794 | 2082 | 2085 | 2086 | rVV  | 300    | 198     | 0.02%  | 0.002%  |
| 57 | 7.810 | 2086 | 2090 | 2093 | rVV2 | 460    | 480     | 0.04%  | 0.005%  |
| 58 | 7.836 | 2096 | 2098 | 2102 | rVV3 | 265    | 220     | 0.02%  | 0.002%  |
| 59 | 7.871 | 2105 | 2109 | 2119 | rVB2 | 167    | 255     | 0.02%  | 0.003%  |
| 60 | 7.993 | 2136 | 2147 | 2170 | rVB  | 72723  | 124143  | 9.62%  | 1.343%  |
| 61 | 8.138 | 2174 | 2192 | 2231 | rBV2 | 165379 | 532619  | 41.27% | 5.764%  |
| 62 | 8.466 | 2284 | 2294 | 2298 | rBV3 | 750    | 1210    | 0.09%  | 0.013%  |
| 63 | 8.505 | 2305 | 2306 | 2313 | rVB2 | 210    | 229     | 0.02%  | 0.002%  |
| 64 | 8.534 | 2313 | 2315 | 2318 | rBV  | 258    | 149     | 0.01%  | 0.002%  |
| 65 | 8.637 | 2344 | 2347 | 2350 | rVB2 | 209    | 104     | 0.01%  | 0.001%  |
| 66 | 8.736 | 2375 | 2378 | 2383 | rBV2 | 126    | 134     | 0.01%  | 0.001%  |
| 67 | 8.817 | 2400 | 2403 | 2409 | rVB  | 182    | 136     | 0.01%  | 0.001%  |
| 68 | 8.874 | 2409 | 2421 | 2452 | rBV  | 414210 | 759004  | 58.82% | 8.214%  |
| 69 | 9.045 | 2470 | 2474 | 2476 | rBV2 | 311    | 194     | 0.02%  | 0.002%  |
| 70 | 9.132 | 2494 | 2501 | 2504 | rBV2 | 247    | 278     | 0.02%  | 0.003%  |
| 71 | 9.305 | 2551 | 2555 | 2559 | rBV2 | 167    | 156     | 0.01%  | 0.002%  |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090920WMA.M  
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|     |        |      |      |      |      |        |        |        |         |
|-----|--------|------|------|------|------|--------|--------|--------|---------|
| 72  | 9.415  | 2581 | 2589 | 2591 | rBV2 | 172    | 211    | 0.02%  | 0.002%  |
| 73  | 9.649  | 2657 | 2662 | 2666 | rBV2 | 176    | 180    | 0.01%  | 0.002%  |
| 74  | 9.958  | 2755 | 2758 | 2762 | rBV2 | 208    | 185    | 0.01%  | 0.002%  |
| 75  | 10.087 | 2793 | 2798 | 2803 | rBV  | 136    | 181    | 0.01%  | 0.002%  |
| 76  | 10.244 | 2834 | 2847 | 2875 | rBV  | 310902 | 526975 | 40.84% | 5.703%  |
| 77  | 10.463 | 2913 | 2915 | 2919 | rVB2 | 161    | 98     | 0.01%  | 0.001%  |
| 78  | 10.492 | 2920 | 2924 | 2926 | rBV2 | 109    | 105    | 0.01%  | 0.001%  |
| 79  | 10.572 | 2947 | 2949 | 2955 | rVB2 | 309    | 229    | 0.02%  | 0.002%  |
| 80  | 10.604 | 2955 | 2959 | 2961 | rBV2 | 122    | 103    | 0.01%  | 0.001%  |
| 81  | 10.871 | 3040 | 3042 | 3046 | rVB2 | 199    | 120    | 0.01%  | 0.001%  |
| 82  | 10.907 | 3050 | 3053 | 3056 | rBV2 | 152    | 125    | 0.01%  | 0.001%  |
| 83  | 10.935 | 3059 | 3062 | 3064 | rBV  | 192    | 138    | 0.01%  | 0.001%  |
| 84  | 11.016 | 3084 | 3087 | 3090 | rBV  | 129    | 122    | 0.01%  | 0.001%  |
| 85  | 11.103 | 3110 | 3114 | 3116 | rBV  | 118    | 109    | 0.01%  | 0.001%  |
| 86  | 11.215 | 3146 | 3149 | 3155 | rVB2 | 466    | 393    | 0.03%  | 0.004%  |
| 87  | 11.273 | 3155 | 3167 | 3185 | rBV  | 472787 | 721167 | 55.89% | 7.804%  |
| 88  | 11.588 | 3262 | 3265 | 3269 | rBV2 | 134    | 102    | 0.01%  | 0.001%  |
| 89  | 11.649 | 3271 | 3284 | 3304 | rBV  | 611971 | 956025 | 74.09% | 10.346% |
| 90  | 12.392 | 3511 | 3515 | 3517 | rBV  | 214    | 180    | 0.01%  | 0.002%  |
| 91  | 12.669 | 3598 | 3601 | 3602 | rBV2 | 168    | 100    | 0.01%  | 0.001%  |
| 92  | 12.733 | 3617 | 3621 | 3623 | rBV2 | 205    | 188    | 0.01%  | 0.002%  |
| 93  | 12.775 | 3630 | 3634 | 3638 | rBV2 | 191    | 208    | 0.02%  | 0.002%  |
| 94  | 13.228 | 3772 | 3775 | 3777 | rBV2 | 182    | 130    | 0.01%  | 0.001%  |
| 95  | 13.292 | 3790 | 3795 | 3806 | rVB3 | 517    | 714    | 0.06%  | 0.008%  |
| 96  | 13.546 | 3866 | 3874 | 3886 | rBV3 | 482    | 890    | 0.07%  | 0.010%  |
| 97  | 13.781 | 3941 | 3947 | 3950 | rBV2 | 368    | 453    | 0.04%  | 0.005%  |
| 98  | 14.431 | 4145 | 4149 | 4153 | rBV  | 228    | 285    | 0.02%  | 0.003%  |
| 99  | 16.450 | 4774 | 4777 | 4783 | rBV2 | 604    | 750    | 0.06%  | 0.008%  |
| 100 | 16.537 | 4802 | 4804 | 4809 | rBV4 | 710    | 637    | 0.05%  | 0.007%  |

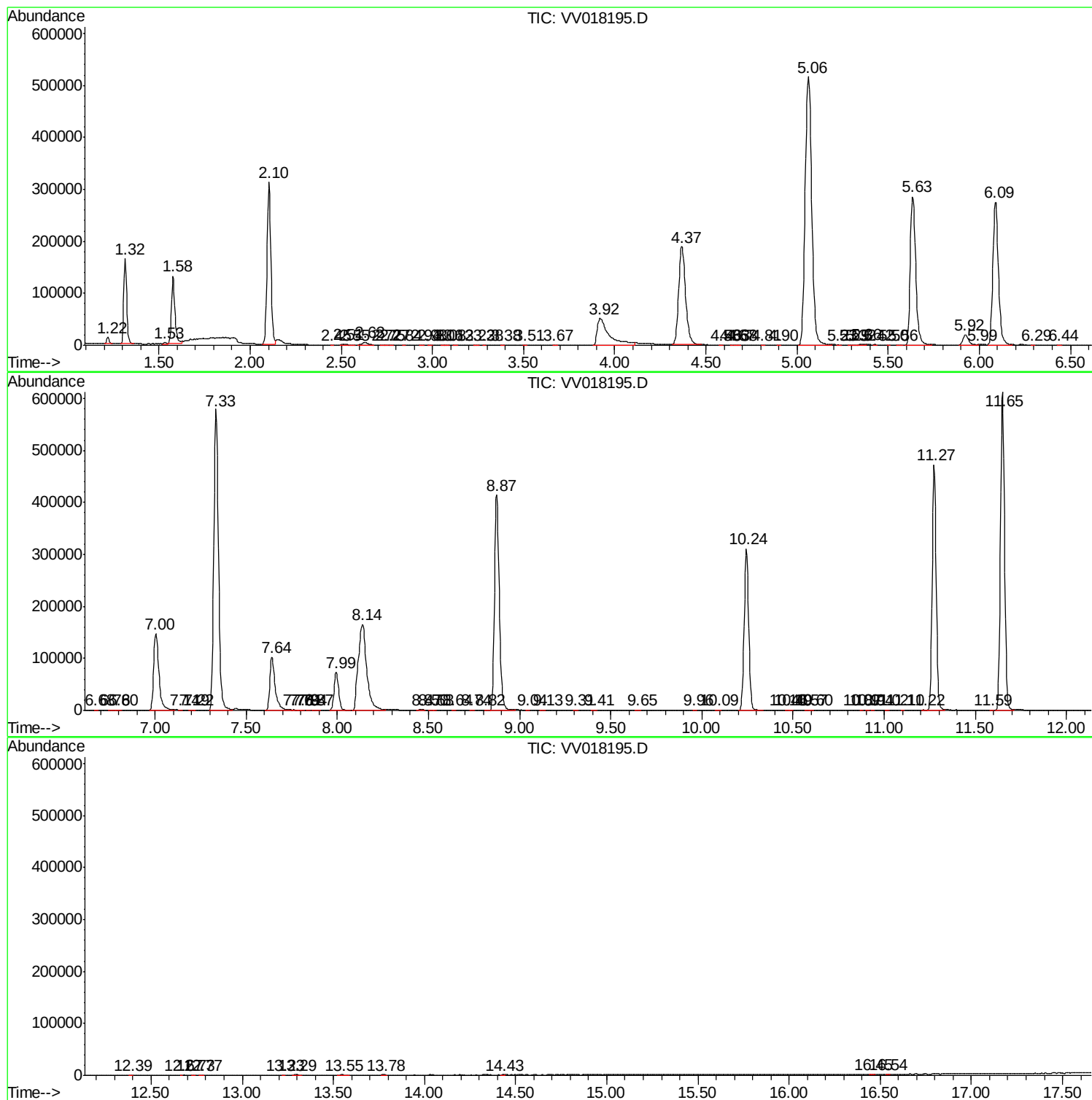
Sum of corrected areas: 9240527

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090920WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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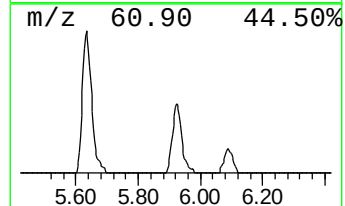
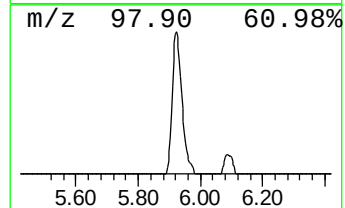
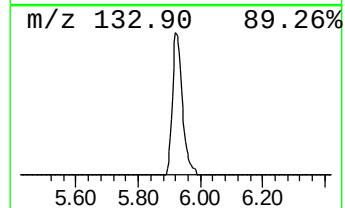
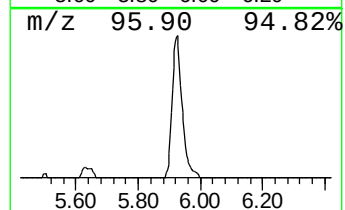
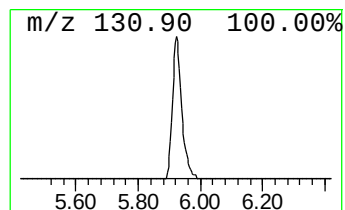
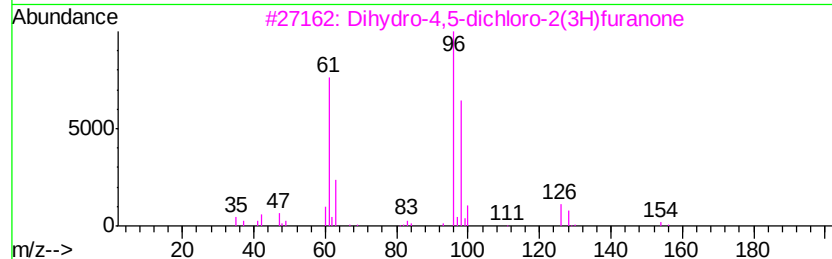
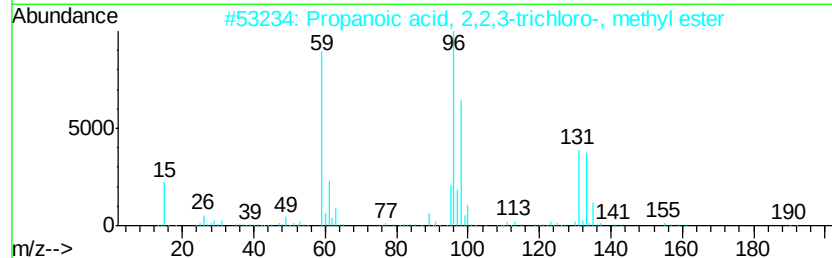
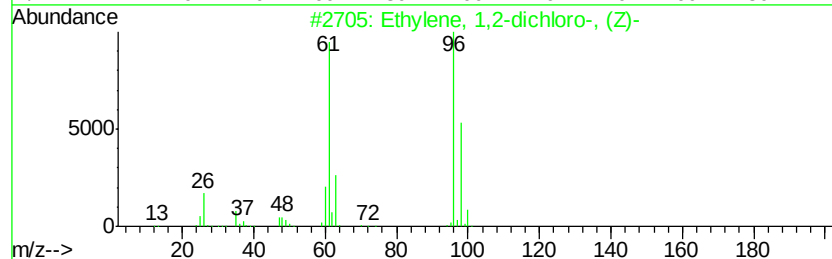
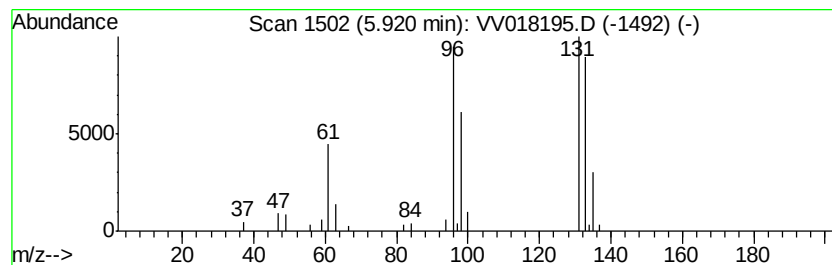
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown-01 Concentration Rank 2

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 5.92 | 3.51 ug/L | 41583 | 1,4-Difluorobenzene | 5.63 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Ethylene, 1,2-dichloro-, (Z)-       | 96  | C2H2Cl2   | 000156-59-2 | 38   |
| 2    |    | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3 | 37   |
| 3    |    | Dihydro-4,5-dichloro-2(3H)furanone  | 154 | C4H4Cl2O2 | 114434-99-0 | 35   |
| 4    |    | 1H-Imidazole, 1-ethyl-              | 96  | C5H8N2    | 007098-07-9 | 9    |
| 5    |    | Benzoxazole, 2-methyl-              | 133 | C8H7NO    | 000095-21-6 | 9    |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| unknown-01       | 5.92 | 3.5     | ug/L  | 41583    | 1                     | 5.63 | 592343 | 50.0 |