

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031020\  
 Data File : VV014814.D  
 Acq On : 10 Mar 2020 20:15  
 Operator : SY/MD  
 Sample : L1840-10  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DBES5

## 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\SOMVLM030620WMA.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      | 1.316    | 63         | 70       | 85        | rVB   | 143469      | 155244     | 11.82%       | 1.446%     |
| 2      | 1.579    | 145        | 152      | 172       | rVB   | 115557      | 143583     | 10.93%       | 1.337%     |
| 3      | 2.119    | 311        | 320      | 334       | rVB   | 242660      | 340238     | 25.90%       | 3.168%     |
| 4      | 2.724    | 506        | 508      | 509       | rBV   | 554         | 197        | 0.01%        | 0.002%     |
| 5      | 2.901    | 560        | 563      | 565       | rBV2  | 589         | 348        | 0.03%        | 0.003%     |
| 6      | 3.036    | 602        | 605      | 607       | rBV3  | 520         | 366        | 0.03%        | 0.003%     |
| 7      | 3.074    | 613        | 617      | 619       | rBV2  | 429         | 370        | 0.03%        | 0.003%     |
| 8      | 3.103    | 624        | 626      | 629       | rVV2  | 782         | 362        | 0.03%        | 0.003%     |
| 9      | 3.119    | 629        | 631      | 635       | rVB2  | 469         | 209        | 0.02%        | 0.002%     |
| 10     | 3.161    | 640        | 644      | 648       | rBV2  | 708         | 769        | 0.06%        | 0.007%     |
| 11     | 3.264    | 674        | 676      | 679       | rVB2  | 523         | 247        | 0.02%        | 0.002%     |
| 12     | 3.290    | 679        | 684      | 689       | rBV4  | 436         | 442        | 0.03%        | 0.004%     |
| 13     | 3.351    | 701        | 703      | 705       | rBV3  | 361         | 151        | 0.01%        | 0.001%     |
| 14     | 3.380    | 709        | 712      | 715       | rVB2  | 329         | 242        | 0.02%        | 0.002%     |
| 15     | 3.396    | 715        | 717      | 721       | rBV2  | 286         | 206        | 0.02%        | 0.002%     |
| 16     | 3.653    | 792        | 797      | 800       | rBV   | 291         | 295        | 0.02%        | 0.003%     |
| 17     | 3.727    | 814        | 820      | 822       | rBV5  | 504         | 538        | 0.04%        | 0.005%     |
| 18     | 3.872    | 863        | 865      | 867       | rVB   | 340         | 162        | 0.01%        | 0.002%     |
| 19     | 3.930    | 867        | 883      | 918       | rBV   | 69828       | 284699     | 21.67%       | 2.651%     |
| 20     | 4.376    | 1007       | 1022     | 1045      | rBV   | 209714      | 516634     | 39.33%       | 4.811%     |
| 21     | 4.640    | 1101       | 1104     | 1106      | rBV   | 356         | 215        | 0.02%        | 0.002%     |
| 22     | 4.688    | 1116       | 1119     | 1121      | rBV2  | 414         | 252        | 0.02%        | 0.002%     |
| 23     | 4.749    | 1135       | 1138     | 1141      | rBV4  | 764         | 565        | 0.04%        | 0.005%     |
| 24     | 4.839    | 1163       | 1166     | 1170      | rBV2  | 450         | 397        | 0.03%        | 0.004%     |
| 25     | 4.868    | 1174       | 1175     | 1181      | rVB2  | 641         | 407        | 0.03%        | 0.004%     |
| 26     | 4.933    | 1189       | 1195     | 1196      | rBV2  | 493         | 414        | 0.03%        | 0.004%     |
| 27     | 4.968    | 1204       | 1206     | 1210      | rVB2  | 642         | 311        | 0.02%        | 0.003%     |
| 28     | 5.003    | 1215       | 1217     | 1220      | rVV2  | 393         | 245        | 0.02%        | 0.002%     |
| 29     | 5.074    | 1221       | 1239     | 1272      | rVV2  | 523453      | 1313701    | 100.00%      | 12.234%    |
| 30     | 5.309    | 1310       | 1312     | 1313      | rBV   | 595         | 282        | 0.02%        | 0.003%     |
| 31     | 5.373    | 1329       | 1332     | 1336      | rBV3  | 539         | 469        | 0.04%        | 0.004%     |
| 32     | 5.402    | 1336       | 1341     | 1343      | rBV3  | 689         | 513        | 0.04%        | 0.005%     |
| 33     | 5.418    | 1343       | 1346     | 1348      | rBV2  | 531         | 289        | 0.02%        | 0.003%     |
| 34     | 5.495    | 1366       | 1370     | 1373      | rBV2  | 862         | 621        | 0.05%        | 0.006%     |

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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM030620WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |        |         |
|----|--------|------|------|------|------|--------|---------|--------|---------|
| 35 | 5.544  | 1382 | 1385 | 1389 | rVB2 | 552    | 368     | 0.03%  | 0.003%  |
| 36 | 5.560  | 1389 | 1390 | 1393 | rVB  | 420    | 170     | 0.01%  | 0.002%  |
| 37 | 5.579  | 1393 | 1396 | 1399 | rBV2 | 510    | 359     | 0.03%  | 0.003%  |
| 38 | 5.643  | 1402 | 1416 | 1434 | rBV  | 447662 | 888111  | 67.60% | 8.270%  |
| 39 | 5.987  | 1519 | 1523 | 1526 | rVB4 | 481    | 448     | 0.03%  | 0.004%  |
| 40 | 6.097  | 1541 | 1557 | 1576 | rBV  | 296420 | 595169  | 45.30% | 5.542%  |
| 41 | 6.409  | 1648 | 1654 | 1659 | rBV4 | 4214   | 6271    | 0.48%  | 0.058%  |
| 42 | 6.936  | 1816 | 1818 | 1820 | rBV3 | 507    | 191     | 0.01%  | 0.002%  |
| 43 | 7.010  | 1829 | 1841 | 1859 | rBV  | 162084 | 285499  | 21.73% | 2.659%  |
| 44 | 7.254  | 1913 | 1917 | 1918 | rBV3 | 566    | 441     | 0.03%  | 0.004%  |
| 45 | 7.338  | 1931 | 1943 | 1962 | rVV  | 637054 | 1095892 | 83.42% | 10.205% |
| 46 | 7.643  | 2023 | 2038 | 2058 | rBV  | 112904 | 193879  | 14.76% | 1.805%  |
| 47 | 7.785  | 2077 | 2082 | 2085 | rBV3 | 1188   | 1063    | 0.08%  | 0.010%  |
| 48 | 7.872  | 2107 | 2109 | 2114 | rBV3 | 638    | 581     | 0.04%  | 0.005%  |
| 49 | 7.965  | 2124 | 2138 | 2146 | rBV5 | 2379   | 5402    | 0.41%  | 0.050%  |
| 50 | 8.116  | 2173 | 2185 | 2222 | rBV  | 357858 | 713576  | 54.32% | 6.645%  |
| 51 | 8.498  | 2300 | 2304 | 2309 | rVB4 | 1222   | 1055    | 0.08%  | 0.010%  |
| 52 | 8.540  | 2314 | 2317 | 2321 | rBV3 | 1056   | 823     | 0.06%  | 0.008%  |
| 53 | 8.621  | 2340 | 2342 | 2347 | rBV2 | 428    | 290     | 0.02%  | 0.003%  |
| 54 | 8.730  | 2374 | 2376 | 2377 | rBV  | 630    | 245     | 0.02%  | 0.002%  |
| 55 | 8.778  | 2387 | 2391 | 2392 | rBV  | 585    | 325     | 0.02%  | 0.003%  |
| 56 | 8.875  | 2408 | 2421 | 2439 | rBV  | 673019 | 1097754 | 83.56% | 10.223% |
| 57 | 9.061  | 2477 | 2479 | 2481 | rBV  | 825    | 402     | 0.03%  | 0.004%  |
| 58 | 9.116  | 2494 | 2496 | 2498 | rBV  | 478    | 236     | 0.02%  | 0.002%  |
| 59 | 9.151  | 2504 | 2507 | 2508 | rBV2 | 671    | 408     | 0.03%  | 0.004%  |
| 60 | 9.225  | 2524 | 2530 | 2532 | rBV2 | 664    | 610     | 0.05%  | 0.006%  |
| 61 | 9.286  | 2547 | 2549 | 2552 | rVB2 | 522    | 267     | 0.02%  | 0.002%  |
| 62 | 9.370  | 2568 | 2575 | 2578 | rBV4 | 980    | 1042    | 0.08%  | 0.010%  |
| 63 | 9.466  | 2603 | 2605 | 2607 | rBV  | 486    | 251     | 0.02%  | 0.002%  |
| 64 | 9.505  | 2614 | 2617 | 2618 | rBV2 | 529    | 325     | 0.02%  | 0.003%  |
| 65 | 9.527  | 2621 | 2624 | 2626 | rVB  | 415    | 203     | 0.02%  | 0.002%  |
| 66 | 9.540  | 2626 | 2628 | 2629 | rBV  | 512    | 198     | 0.02%  | 0.002%  |
| 67 | 9.740  | 2689 | 2690 | 2691 | rBV  | 466    | 152     | 0.01%  | 0.001%  |
| 68 | 9.942  | 2750 | 2753 | 2754 | rBV  | 807    | 405     | 0.03%  | 0.004%  |
| 69 | 9.987  | 2765 | 2767 | 2770 | rVB2 | 690    | 307     | 0.02%  | 0.003%  |
| 70 | 10.167 | 2818 | 2823 | 2829 | rBV4 | 1448   | 1800    | 0.14%  | 0.017%  |
| 71 | 10.238 | 2833 | 2845 | 2861 | rVV  | 435125 | 678735  | 51.67% | 6.321%  |

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 Sampling : 1  
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 Min Area: 0 % of largest Peak  
 Max Peaks: 100  
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM030620WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |         |        |         |
|-----|--------|------|------|------|------|--------|---------|--------|---------|
| 72  | 10.341 | 2875 | 2877 | 2880 | rVB2 | 570    | 278     | 0.02%  | 0.003%  |
| 73  | 10.363 | 2880 | 2884 | 2886 | rBV2 | 1378   | 940     | 0.07%  | 0.009%  |
| 74  | 10.402 | 2891 | 2896 | 2909 | rVB2 | 4125   | 6646    | 0.51%  | 0.062%  |
| 75  | 10.527 | 2930 | 2935 | 2937 | rBV4 | 1511   | 1544    | 0.12%  | 0.014%  |
| 76  | 10.611 | 2959 | 2961 | 2963 | rVB2 | 492    | 174     | 0.01%  | 0.002%  |
| 77  | 10.868 | 3035 | 3041 | 3048 | rBV5 | 1271   | 1536    | 0.12%  | 0.014%  |
| 78  | 10.929 | 3058 | 3060 | 3062 | rBV3 | 991    | 542     | 0.04%  | 0.005%  |
| 79  | 10.997 | 3079 | 3081 | 3083 | rBV  | 498    | 258     | 0.02%  | 0.002%  |
| 80  | 11.068 | 3100 | 3103 | 3104 | rBV  | 389    | 203     | 0.02%  | 0.002%  |
| 81  | 11.132 | 3119 | 3123 | 3127 | rVB3 | 423    | 422     | 0.03%  | 0.004%  |
| 82  | 11.174 | 3133 | 3136 | 3137 | rBV2 | 568    | 243     | 0.02%  | 0.002%  |
| 83  | 11.199 | 3142 | 3144 | 3149 | rVV2 | 866    | 577     | 0.04%  | 0.005%  |
| 84  | 11.270 | 3153 | 3166 | 3188 | rBV  | 691373 | 1067816 | 81.28% | 9.944%  |
| 85  | 11.389 | 3201 | 3203 | 3207 | rBV3 | 1062   | 750     | 0.06%  | 0.007%  |
| 86  | 11.518 | 3234 | 3243 | 3252 | rBV2 | 24729  | 46589   | 3.55%  | 0.434%  |
| 87  | 11.646 | 3271 | 3283 | 3303 | rBV  | 668200 | 1075016 | 81.83% | 10.011% |
| 88  | 11.945 | 3363 | 3376 | 3385 | rBV2 | 70620  | 125075  | 9.52%  | 1.165%  |
| 89  | 12.424 | 3523 | 3525 | 3528 | rBV2 | 543    | 243     | 0.02%  | 0.002%  |
| 90  | 12.482 | 3539 | 3543 | 3550 | rBV6 | 1481   | 1947    | 0.15%  | 0.018%  |
| 91  | 12.666 | 3596 | 3600 | 3604 | rBV4 | 892    | 920     | 0.07%  | 0.009%  |
| 92  | 12.743 | 3621 | 3624 | 3626 | rBV  | 497    | 289     | 0.02%  | 0.003%  |
| 93  | 12.920 | 3669 | 3679 | 3686 | rBV5 | 10588  | 17462   | 1.33%  | 0.163%  |
| 94  | 13.051 | 3718 | 3720 | 3723 | rBV4 | 1008   | 627     | 0.05%  | 0.006%  |
| 95  | 13.084 | 3728 | 3730 | 3731 | rBV4 | 1015   | 395     | 0.03%  | 0.004%  |
| 96  | 13.190 | 3762 | 3763 | 3765 | rBV  | 589    | 200     | 0.02%  | 0.002%  |
| 97  | 13.389 | 3823 | 3825 | 3826 | rBV2 | 815    | 364     | 0.03%  | 0.003%  |
| 98  | 13.768 | 3936 | 3943 | 3955 | rVB5 | 16917  | 26939   | 2.05%  | 0.251%  |
| 99  | 14.190 | 4072 | 4074 | 4076 | rBV3 | 914    | 357     | 0.03%  | 0.003%  |
| 100 | 14.238 | 4079 | 4089 | 4100 | rBV2 | 13005  | 22906   | 1.74%  | 0.213%  |

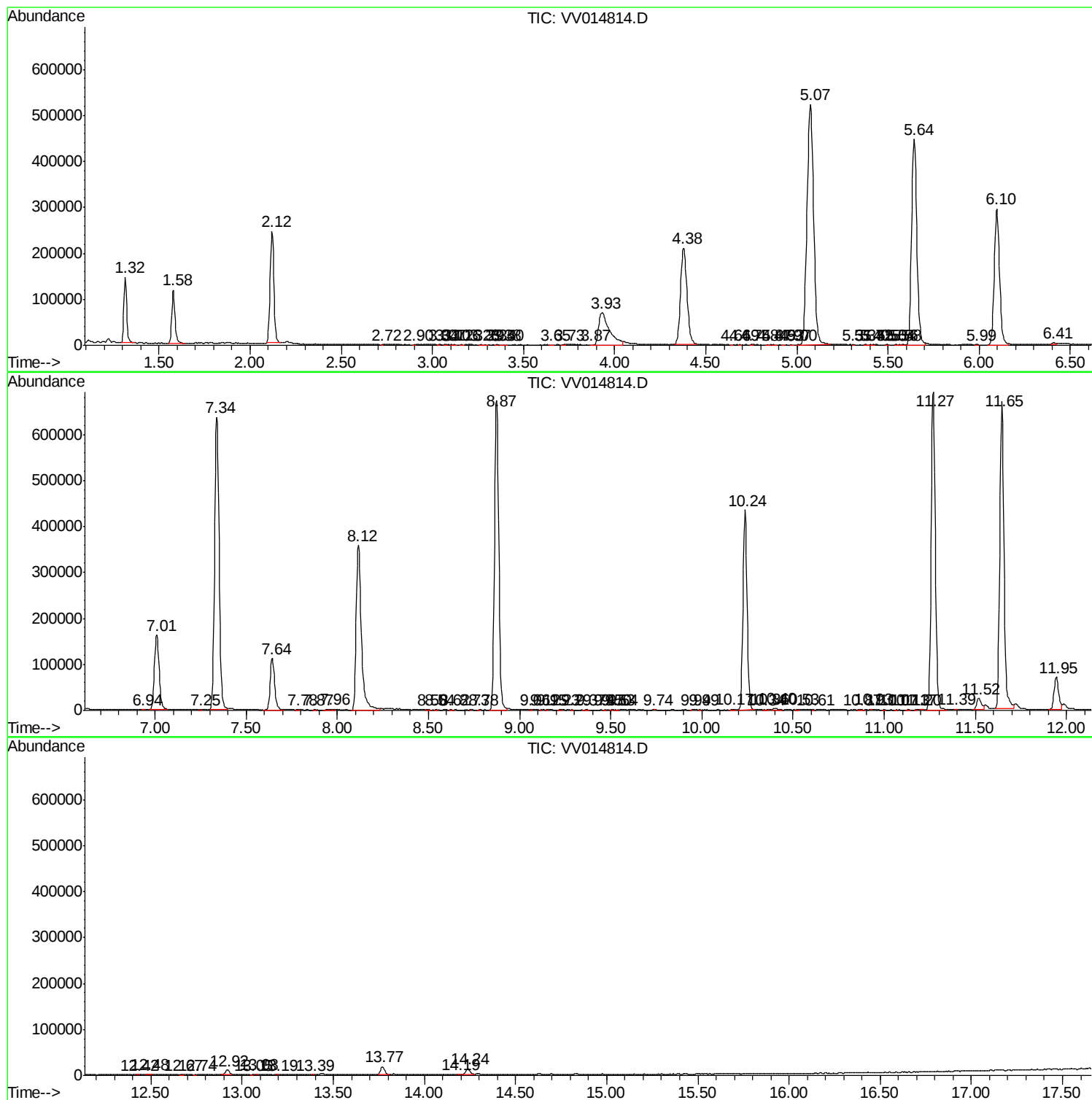
Sum of corrected areas: 10738494

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM030620WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV031020\  
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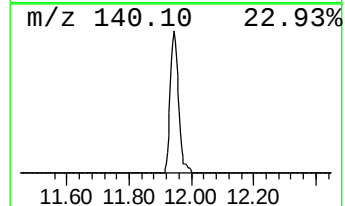
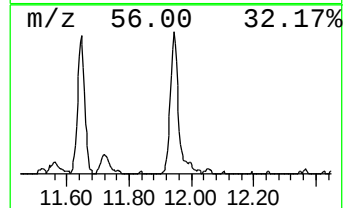
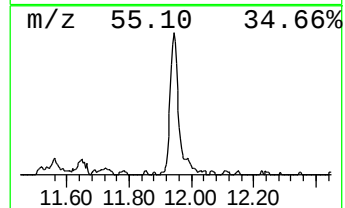
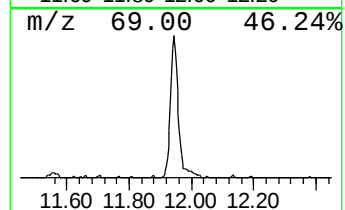
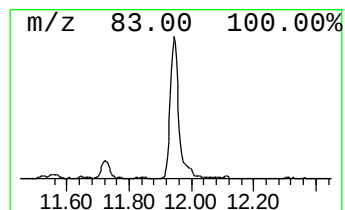
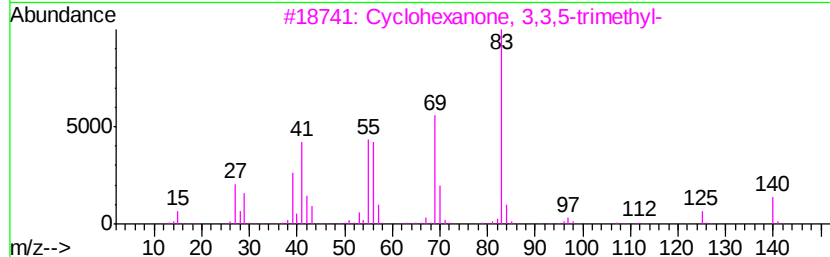
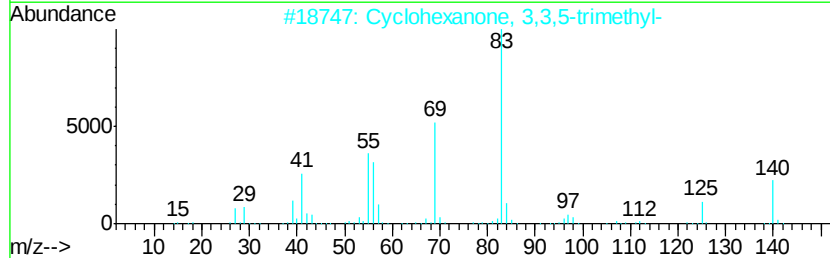
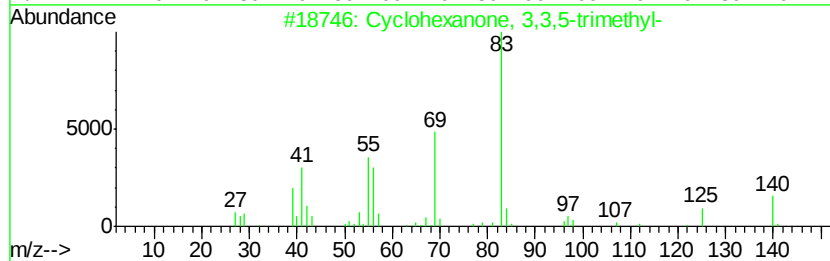
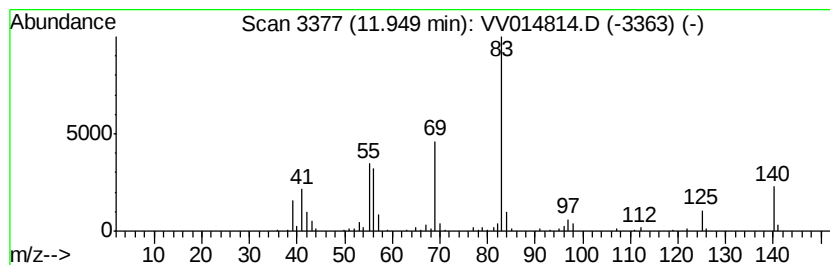
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Cyclohexanone, 3,3,5-trimet... Concentration Rank 2

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 11.95 | 5.86 ug/L | 125075 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexanone, 3,3,5-trimethyl- | 140 | C9H16O  | 000873-94-9 | 96   |
| 2    |    | Cyclohexanone, 3,3,5-trimethyl- | 140 | C9H16O  | 000873-94-9 | 96   |
| 3    |    | Cyclohexanone, 3,3,5-trimethyl- | 140 | C9H16O  | 000873-94-9 | 91   |
| 4    |    | Cyclohexanone, 3,3,5-trimethyl- | 140 | C9H16O  | 000873-94-9 | 78   |
| 5    |    | Cyclopentanone, 3-butyl-        | 140 | C9H16O  | 057283-81-5 | 52   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Cyclohexanone, 3,... | 11.95 | 5.9     | ug/L  | 125075   | 3                     | 11.27 | 1067820 | 50.0 |