

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV051419\  
 Data File : VV010882.D  
 Acq On : 15 May 2019 02:28  
 Operator : SY/MD  
 Sample : K2798-10  
 Misc : 4.11G/10ML/MSVOA\_V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DB880

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\SOM2VLM051319S.M  
 Title : VOC Analysis

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.309       | 61            | 68          | 77           | rVB      | 65274          | 66860         | 13.64%          | 1.934%        |
| 2         | 1.560       | 138           | 146         | 154          | rVB      | 46283          | 53072         | 10.83%          | 1.535%        |
| 3         | 1.971       | 268           | 274         | 275          | rBV2     | 1256           | 1230          | 0.25%           | 0.036%        |
| 4         | 2.032       | 290           | 293         | 294          | rBV2     | 1124           | 608           | 0.12%           | 0.018%        |
| 5         | 2.116       | 307           | 319         | 330          | rBV      | 96089          | 138257        | 28.21%          | 4.000%        |
| 6         | 2.187       | 332           | 341         | 362          | rVB      | 24254          | 47519         | 9.69%           | 1.375%        |
| 7         | 2.309       | 375           | 379         | 390          | rVB2     | 2767           | 4280          | 0.87%           | 0.124%        |
| 8         | 2.367       | 394           | 397         | 398          | rBV      | 415            | 223           | 0.05%           | 0.006%        |
| 9         | 2.415       | 406           | 412         | 414          | rBV3     | 1093           | 974           | 0.20%           | 0.028%        |
| 10        | 2.524       | 438           | 446         | 456          | rVB      | 7188           | 10431         | 2.13%           | 0.302%        |
| 11        | 2.672       | 477           | 492         | 510          | rBV      | 25888          | 54082         | 11.03%          | 1.565%        |
| 12        | 2.807       | 532           | 534         | 538          | rVB2     | 508            | 333           | 0.07%           | 0.010%        |
| 13        | 2.833       | 538           | 542         | 544          | rBV      | 522            | 405           | 0.08%           | 0.012%        |
| 14        | 2.868       | 550           | 553         | 557          | rVB3     | 378            | 304           | 0.06%           | 0.009%        |
| 15        | 3.055       | 608           | 611         | 613          | rBV3     | 502            | 334           | 0.07%           | 0.010%        |
| 16        | 3.167       | 641           | 646         | 649          | rBV2     | 455            | 392           | 0.08%           | 0.011%        |
| 17        | 3.212       | 657           | 660         | 663          | rBV3     | 460            | 312           | 0.06%           | 0.009%        |
| 18        | 3.409       | 718           | 721         | 723          | rBV      | 341            | 238           | 0.05%           | 0.007%        |
| 19        | 3.495       | 745           | 748         | 750          | rBV2     | 560            | 401           | 0.08%           | 0.012%        |
| 20        | 3.518       | 750           | 755         | 760          | rVV2     | 356            | 390           | 0.08%           | 0.011%        |
| 21        | 3.614       | 779           | 785         | 788          | rVB2     | 208            | 209           | 0.04%           | 0.006%        |
| 22        | 3.637       | 789           | 792         | 795          | rBV2     | 304            | 207           | 0.04%           | 0.006%        |
| 23        | 3.698       | 808           | 811         | 813          | rBV2     | 274            | 203           | 0.04%           | 0.006%        |
| 24        | 3.711       | 813           | 815         | 824          | rVB3     | 639            | 605           | 0.12%           | 0.018%        |
| 25        | 3.756       | 826           | 829         | 833          | rBV2     | 361            | 273           | 0.06%           | 0.008%        |
| 26        | 3.778       | 833           | 836         | 839          | rVV      | 316            | 257           | 0.05%           | 0.007%        |
| 27        | 3.794       | 839           | 841         | 846          | rVB2     | 368            | 216           | 0.04%           | 0.006%        |
| 28        | 3.933       | 873           | 884         | 909          | rVV3     | 11618          | 34652         | 7.07%           | 1.003%        |
| 29        | 4.135       | 943           | 947         | 949          | rBV3     | 337            | 225           | 0.05%           | 0.007%        |
| 30        | 4.209       | 968           | 970         | 975          | rVB2     | 285            | 226           | 0.05%           | 0.007%        |
| 31        | 4.293       | 989           | 996         | 998          | rVV      | 284            | 298           | 0.06%           | 0.009%        |
| 32        | 4.392       | 1008          | 1027        | 1055         | rVV3     | 72239          | 207095        | 42.25%          | 5.991%        |
| 33        | 4.730       | 1127          | 1132        | 1134         | rBV2     | 378            | 284           | 0.06%           | 0.008%        |
| 34        | 4.830       | 1156          | 1163        | 1168         | rBV2     | 283            | 373           | 0.08%           | 0.011%        |

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 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\SOM2VLM051319S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |         |         |
|----|--------|------|------|------|------|--------|--------|---------|---------|
| 35 | 4.949  | 1194 | 1200 | 1202 | rBV  | 256    | 227    | 0.05%   | 0.007%  |
| 36 | 4.965  | 1202 | 1205 | 1212 | rBV  | 237    | 256    | 0.05%   | 0.007%  |
| 37 | 5.087  | 1226 | 1243 | 1269 | rBV2 | 199206 | 490144 | 100.00% | 14.180% |
| 38 | 5.392  | 1331 | 1338 | 1340 | rBV  | 285    | 270    | 0.06%   | 0.008%  |
| 39 | 5.415  | 1341 | 1345 | 1352 | rVV2 | 202    | 230    | 0.05%   | 0.007%  |
| 40 | 5.659  | 1405 | 1421 | 1441 | rBV  | 168343 | 336098 | 68.57%  | 9.724%  |
| 41 | 5.756  | 1449 | 1451 | 1456 | rVB2 | 940    | 585    | 0.12%   | 0.017%  |
| 42 | 5.942  | 1502 | 1509 | 1517 | rBV4 | 1783   | 3214   | 0.66%   | 0.093%  |
| 43 | 6.113  | 1547 | 1562 | 1582 | rBV2 | 117657 | 237445 | 48.44%  | 6.869%  |
| 44 | 6.209  | 1590 | 1592 | 1597 | rVB3 | 421    | 321    | 0.07%   | 0.009%  |
| 45 | 6.244  | 1598 | 1603 | 1606 | rBV2 | 513    | 446    | 0.09%   | 0.013%  |
| 46 | 6.698  | 1738 | 1744 | 1750 | rBV4 | 808    | 1074   | 0.22%   | 0.031%  |
| 47 | 6.765  | 1761 | 1765 | 1767 | rBV  | 213    | 204    | 0.04%   | 0.006%  |
| 48 | 7.026  | 1834 | 1846 | 1864 | rBV  | 52703  | 91909  | 18.75%  | 2.659%  |
| 49 | 7.180  | 1883 | 1894 | 1907 | rBV5 | 3875   | 7724   | 1.58%   | 0.223%  |
| 50 | 7.296  | 1926 | 1930 | 1935 | rVB3 | 497    | 563    | 0.11%   | 0.016%  |
| 51 | 7.357  | 1935 | 1949 | 1969 | rBV  | 220630 | 385007 | 78.55%  | 11.139% |
| 52 | 7.521  | 1998 | 2000 | 2003 | rBV  | 369    | 265    | 0.05%   | 0.008%  |
| 53 | 7.659  | 2033 | 2043 | 2060 | rBV2 | 33423  | 55138  | 11.25%  | 1.595%  |
| 54 | 7.804  | 2085 | 2088 | 2094 | rBV  | 215    | 258    | 0.05%   | 0.007%  |
| 55 | 7.833  | 2094 | 2097 | 2101 | rVB2 | 352    | 254    | 0.05%   | 0.007%  |
| 56 | 7.978  | 2131 | 2142 | 2147 | rBV5 | 1395   | 2391   | 0.49%   | 0.069%  |
| 57 | 8.016  | 2147 | 2154 | 2162 | rVB6 | 2826   | 4296   | 0.88%   | 0.124%  |
| 58 | 8.132  | 2180 | 2190 | 2211 | rBV  | 37815  | 75254  | 15.35%  | 2.177%  |
| 59 | 8.232  | 2218 | 2221 | 2229 | rVB3 | 554    | 674    | 0.14%   | 0.019%  |
| 60 | 8.386  | 2265 | 2269 | 2276 | rVV2 | 178    | 228    | 0.05%   | 0.007%  |
| 61 | 8.531  | 2312 | 2314 | 2321 | rVB2 | 404    | 338    | 0.07%   | 0.010%  |
| 62 | 8.894  | 2415 | 2427 | 2445 | rBV  | 245173 | 396678 | 80.93%  | 11.476% |
| 63 | 9.058  | 2474 | 2478 | 2483 | rVB3 | 442    | 448    | 0.09%   | 0.013%  |
| 64 | 9.148  | 2496 | 2506 | 2510 | rBV2 | 294    | 526    | 0.11%   | 0.015%  |
| 65 | 9.183  | 2510 | 2517 | 2524 | rVB2 | 902    | 1330   | 0.27%   | 0.038%  |
| 66 | 9.415  | 2580 | 2589 | 2592 | rVV2 | 208    | 343    | 0.07%   | 0.010%  |
| 67 | 9.585  | 2637 | 2642 | 2655 | rVB3 | 895    | 1472   | 0.30%   | 0.043%  |
| 68 | 9.926  | 2747 | 2748 | 2755 | rVB2 | 338    | 308    | 0.06%   | 0.009%  |
| 69 | 9.977  | 2761 | 2764 | 2768 | rVV2 | 396    | 358    | 0.07%   | 0.010%  |
| 70 | 10.064 | 2785 | 2791 | 2799 | rVB6 | 674    | 863    | 0.18%   | 0.025%  |
| 71 | 10.141 | 2805 | 2815 | 2817 | rBV2 | 1429   | 1726   | 0.35%   | 0.050%  |

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 DB880

## Integration Parameters: LSCINT.P

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 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
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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\SOM2VLM051319S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 10.260 | 2841 | 2852 | 2868 | rVB  | 87054  | 137061 | 27.96% | 3.965% |
| 73  | 10.424 | 2894 | 2903 | 2912 | rVB4 | 2281   | 3350   | 0.68%  | 0.097% |
| 74  | 10.524 | 2927 | 2934 | 2936 | rBV2 | 242    | 260    | 0.05%  | 0.008% |
| 75  | 10.646 | 2969 | 2972 | 2978 | rBV2 | 234    | 260    | 0.05%  | 0.008% |
| 76  | 10.810 | 3016 | 3023 | 3037 | rBV4 | 3390   | 5785   | 1.18%  | 0.167% |
| 77  | 11.190 | 3136 | 3141 | 3146 | rBV4 | 590    | 497    | 0.10%  | 0.014% |
| 78  | 11.293 | 3162 | 3173 | 3190 | rBV  | 179732 | 283442 | 57.83% | 8.200% |
| 79  | 11.363 | 3191 | 3195 | 3204 | rVB5 | 376    | 449    | 0.09%  | 0.013% |
| 80  | 11.437 | 3212 | 3218 | 3222 | rVB2 | 527    | 497    | 0.10%  | 0.014% |
| 81  | 11.579 | 3257 | 3262 | 3266 | rBV4 | 605    | 638    | 0.13%  | 0.018% |
| 82  | 11.669 | 3279 | 3290 | 3306 | rBV  | 160157 | 255959 | 52.22% | 7.405% |
| 83  | 11.762 | 3313 | 3319 | 3327 | rBV4 | 2048   | 2982   | 0.61%  | 0.086% |
| 84  | 11.810 | 3328 | 3334 | 3346 | rVB5 | 2125   | 3608   | 0.74%  | 0.104% |
| 85  | 11.891 | 3354 | 3359 | 3366 | rVV7 | 677    | 875    | 0.18%  | 0.025% |
| 86  | 12.154 | 3438 | 3441 | 3446 | rBV2 | 276    | 297    | 0.06%  | 0.009% |
| 87  | 12.289 | 3476 | 3483 | 3496 | rVB3 | 2850   | 5040   | 1.03%  | 0.146% |
| 88  | 12.518 | 3546 | 3554 | 3562 | rBV5 | 3367   | 4632   | 0.95%  | 0.134% |
| 89  | 12.910 | 3673 | 3676 | 3677 | rBV2 | 539    | 322    | 0.07%  | 0.009% |
| 90  | 13.328 | 3804 | 3806 | 3808 | rBV2 | 467    | 222    | 0.05%  | 0.006% |
| 91  | 13.460 | 3845 | 3847 | 3860 | rVB5 | 1418   | 1861   | 0.38%  | 0.054% |
| 92  | 14.090 | 4035 | 4043 | 4053 | rBV  | 8297   | 13835  | 2.82%  | 0.400% |
| 93  | 14.511 | 4167 | 4174 | 4185 | rVB6 | 4592   | 7956   | 1.62%  | 0.230% |
| 94  | 14.701 | 4230 | 4233 | 4237 | rBV2 | 419    | 261    | 0.05%  | 0.008% |
| 95  | 14.723 | 4237 | 4240 | 4243 | rBV  | 315    | 265    | 0.05%  | 0.008% |
| 96  | 15.009 | 4326 | 4329 | 4335 | rBV2 | 273    | 243    | 0.05%  | 0.007% |
| 97  | 15.061 | 4341 | 4345 | 4352 | rBV3 | 322    | 430    | 0.09%  | 0.012% |
| 98  | 15.257 | 4403 | 4406 | 4410 | rVB2 | 335    | 232    | 0.05%  | 0.007% |
| 99  | 15.813 | 4575 | 4579 | 4583 | rBV3 | 426    | 345    | 0.07%  | 0.010% |
| 100 | 16.935 | 4926 | 4928 | 4930 | rBV2 | 587    | 294    | 0.06%  | 0.009% |

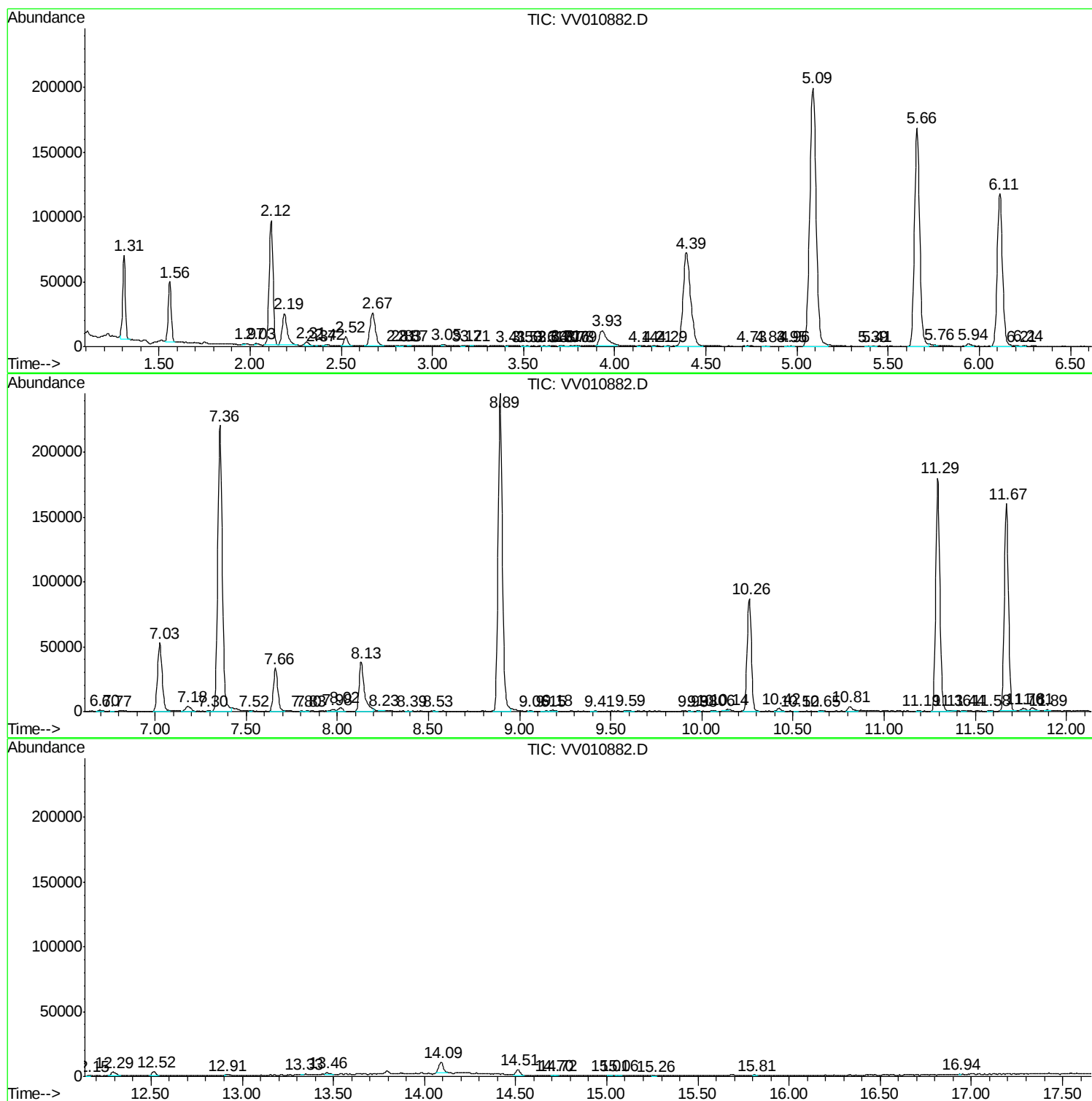
Sum of corrected areas: 3456531

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM051319S.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_V\DATA\VV051419\  
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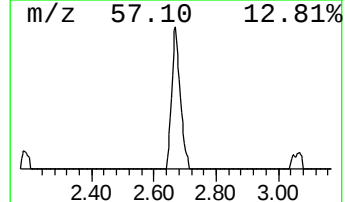
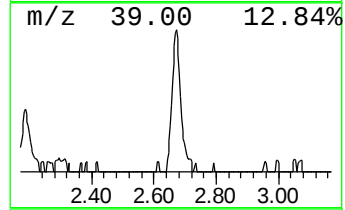
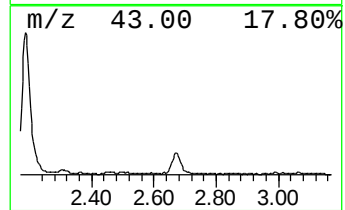
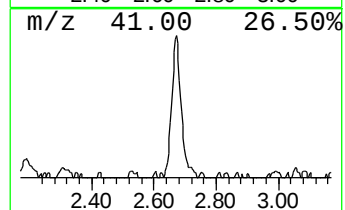
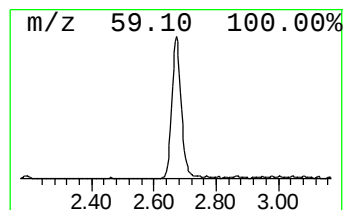
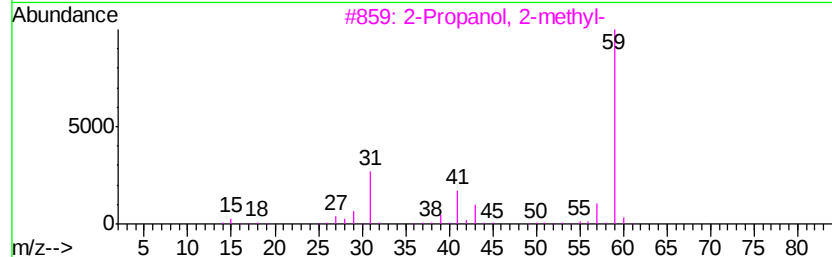
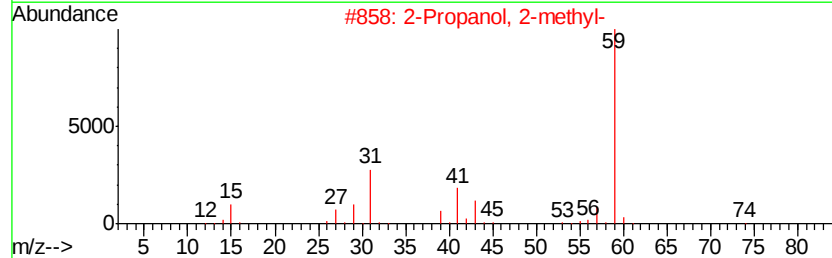
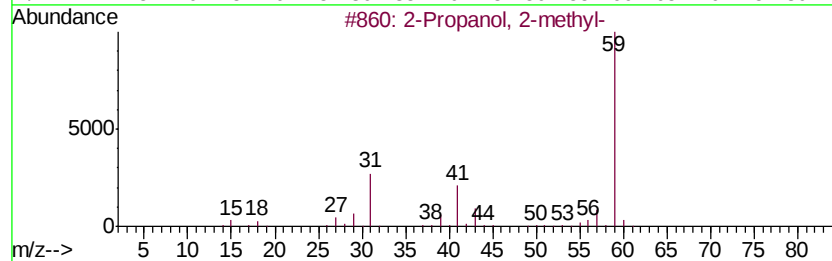
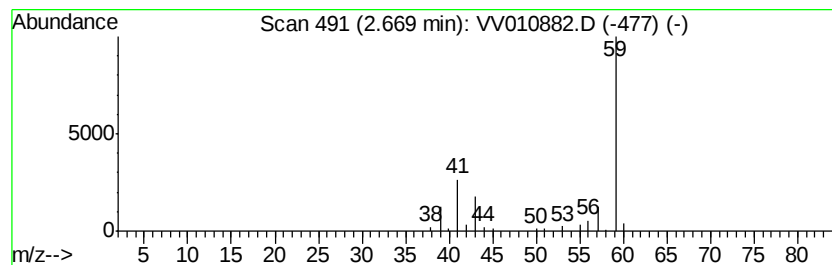
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM051319S.M  
 Quant Title : VOC Analysis

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

\*\*\*\*\*  
 Peak Number 1 2-Propanol, 2-methyl- Concentration Rank 2

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.67 | 4.02 ug/L | 54082 | 1,4-Difluorobenzene | 5.66 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Propanol, 2-methyl-               | 74  | C4H10O  | 000075-65-0 | 64   |
| 2    |    |   | 2-Propanol, 2-methyl-               | 74  | C4H10O  | 000075-65-0 | 43   |
| 3    |    |   | 2-Propanol, 2-methyl-               | 74  | C4H10O  | 000075-65-0 | 9    |
| 4    |    |   | Propanoic acid, 2-hydroxy-2-methyl- | 104 | C4H8O3  | 000594-61-6 | 9    |
| 5    |    |   | 3-Pentanol                          | 88  | C5H12O  | 000584-02-1 | 9    |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Propanol, 2-met... | 2.67 | 4.0     | ug/L  | 54082    | 1                     | 5.66 | 336098 | 25.0 |