

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052119\  
 Data File : VU032195.D  
 Acq On : 21 May 2019 13:23  
 Operator : JC/SP  
 Sample : K2788-15ME  
 Misc : 5.71g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 A51A6ME

## 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\_U\METHOD\SOMULM052119WMA.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      | 1.392    | 87         | 94       | 113       | rVB   | 264753      | 444645     | 7.81%        | 1.334%     |
| 2      | 1.640    | 167        | 171      | 182       | rVB   | 117406      | 155894     | 2.74%        | 0.468%     |
| 3      | 2.212    | 339        | 349      | 367       | rVB   | 762094      | 1191359    | 20.92%       | 3.573%     |
| 4      | 2.634    | 472        | 480      | 485       | rBV4  | 3894        | 7077       | 0.12%        | 0.021%     |
| 5      | 2.743    | 512        | 514      | 517       | rVB3  | 908         | 547        | 0.01%        | 0.002%     |
| 6      | 2.942    | 572        | 576      | 577       | rBV2  | 859         | 559        | 0.01%        | 0.002%     |
| 7      | 3.007    | 592        | 596      | 599       | rBV2  | 1192        | 1022       | 0.02%        | 0.003%     |
| 8      | 3.244    | 663        | 670      | 676       | rBV6  | 1374        | 2114       | 0.04%        | 0.006%     |
| 9      | 3.344    | 696        | 701      | 703       | rBV2  | 937         | 775        | 0.01%        | 0.002%     |
| 10     | 3.447    | 729        | 733      | 736       | rVB4  | 1071        | 831        | 0.01%        | 0.002%     |
| 11     | 3.547    | 762        | 764      | 769       | rVB2  | 747         | 545        | 0.01%        | 0.002%     |
| 12     | 3.627    | 783        | 789      | 790       | rVV2  | 754         | 740        | 0.01%        | 0.002%     |
| 13     | 3.640    | 791        | 793      | 797       | rVB2  | 801         | 535        | 0.01%        | 0.002%     |
| 14     | 3.759    | 824        | 830      | 832       | rBV3  | 924         | 786        | 0.01%        | 0.002%     |
| 15     | 3.842    | 853        | 856      | 861       | rVB2  | 678         | 565        | 0.01%        | 0.002%     |
| 16     | 3.871    | 861        | 865      | 868       | rBV2  | 602         | 491        | 0.01%        | 0.001%     |
| 17     | 4.006    | 905        | 907      | 912       | rVV3  | 1014        | 846        | 0.01%        | 0.003%     |
| 18     | 4.206    | 955        | 969      | 1022      | rBV3  | 229269      | 893245     | 15.68%       | 2.679%     |
| 19     | 4.505    | 1060       | 1062     | 1068      | rVB4  | 1013        | 627        | 0.01%        | 0.002%     |
| 20     | 4.553    | 1073       | 1077     | 1084      | rBV6  | 1075        | 1461       | 0.03%        | 0.004%     |
| 21     | 4.640    | 1085       | 1104     | 1137      | rBV   | 475381      | 1260827    | 22.14%       | 3.782%     |
| 22     | 4.807    | 1153       | 1156     | 1159      | rVB3  | 1065        | 741        | 0.01%        | 0.002%     |
| 23     | 4.826    | 1159       | 1162     | 1168      | rVB4  | 1302        | 1389       | 0.02%        | 0.004%     |
| 24     | 4.852    | 1168       | 1170     | 1172      | rBV2  | 1043        | 639        | 0.01%        | 0.002%     |
| 25     | 4.891    | 1172       | 1182     | 1194      | rVV2  | 5705        | 12552      | 0.22%        | 0.038%     |
| 26     | 4.977    | 1207       | 1209     | 1213      | rVB3  | 1046        | 600        | 0.01%        | 0.002%     |
| 27     | 5.322    | 1292       | 1316     | 1349      | rBV2  | 1176059     | 3278255    | 57.55%       | 9.833%     |
| 28     | 5.730    | 1439       | 1443     | 1449      | rBV4  | 1093        | 1365       | 0.02%        | 0.004%     |
| 29     | 5.878    | 1472       | 1489     | 1523      | rBV   | 964250      | 2178451    | 38.24%       | 6.534%     |
| 30     | 6.174    | 1556       | 1581     | 1611      | rBV   | 2686896     | 5696064    | 100.00%      | 17.085%    |
| 31     | 6.325    | 1616       | 1628     | 1657      | rVV   | 628429      | 1431818    | 25.14%       | 4.295%     |
| 32     | 6.460    | 1661       | 1670     | 1691      | rVB6  | 20474       | 48571      | 0.85%        | 0.146%     |
| 33     | 6.556    | 1698       | 1700     | 1703      | rBV2  | 1126        | 640        | 0.01%        | 0.002%     |
| 34     | 6.637    | 1722       | 1725     | 1726      | rBV2  | 967         | 508        | 0.01%        | 0.002%     |

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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\_U\METHOD\SOMULM052119WMA.M  
 Title : VOC Analysis

|    |       |      |      |      |      |         |         |        |        |
|----|-------|------|------|------|------|---------|---------|--------|--------|
| 35 | 6.653 | 1726 | 1730 | 1732 | rBV4 | 1509    | 1305    | 0.02%  | 0.004% |
| 36 | 6.743 | 1756 | 1758 | 1763 | rBV2 | 1320    | 1027    | 0.02%  | 0.003% |
| 37 | 6.807 | 1772 | 1778 | 1784 | rBV6 | 1612    | 1865    | 0.03%  | 0.006% |
| 38 | 6.833 | 1784 | 1786 | 1790 | rVB4 | 855     | 619     | 0.01%  | 0.002% |
| 39 | 6.894 | 1794 | 1805 | 1814 | rBV9 | 3971    | 8989    | 0.16%  | 0.027% |
| 40 | 6.929 | 1814 | 1816 | 1818 | rVB2 | 1622    | 670     | 0.01%  | 0.002% |
| 41 | 6.965 | 1824 | 1827 | 1828 | rBV2 | 1060    | 499     | 0.01%  | 0.001% |
| 42 | 7.010 | 1837 | 1841 | 1842 | rBV4 | 945     | 562     | 0.01%  | 0.002% |
| 43 | 7.100 | 1864 | 1869 | 1878 | rVB8 | 1577    | 2696    | 0.05%  | 0.008% |
| 44 | 7.170 | 1886 | 1891 | 1894 | rBV5 | 1106    | 1352    | 0.02%  | 0.004% |
| 45 | 7.225 | 1895 | 1908 | 1937 | rVV2 | 334231  | 713410  | 12.52% | 2.140% |
| 46 | 7.331 | 1937 | 1941 | 1948 | rVB8 | 3568    | 4215    | 0.07%  | 0.013% |
| 47 | 7.405 | 1960 | 1964 | 1965 | rBV4 | 811     | 600     | 0.01%  | 0.002% |
| 48 | 7.421 | 1965 | 1969 | 1973 | rVV5 | 1561    | 1449    | 0.03%  | 0.004% |
| 49 | 7.559 | 1990 | 2012 | 2061 | rBV  | 1436218 | 2854825 | 50.12% | 8.563% |
| 50 | 7.849 | 2092 | 2102 | 2131 | rVB2 | 215878  | 473802  | 8.32%  | 1.421% |
| 51 | 8.074 | 2168 | 2172 | 2177 | rBV6 | 1663    | 1267    | 0.02%  | 0.004% |
| 52 | 8.145 | 2188 | 2194 | 2196 | rBV4 | 1282    | 1194    | 0.02%  | 0.004% |
| 53 | 8.177 | 2196 | 2204 | 2207 | rBV6 | 2567    | 3848    | 0.07%  | 0.012% |
| 54 | 8.222 | 2207 | 2218 | 2237 | rBV3 | 205375  | 369960  | 6.50%  | 1.110% |
| 55 | 8.328 | 2238 | 2251 | 2274 | rBV  | 771237  | 1653726 | 29.03% | 4.960% |
| 56 | 8.598 | 2330 | 2335 | 2337 | rBV6 | 2646    | 2625    | 0.05%  | 0.008% |
| 57 | 8.701 | 2365 | 2367 | 2369 | rBV2 | 1275    | 763     | 0.01%  | 0.002% |
| 58 | 8.733 | 2372 | 2377 | 2378 | rBV4 | 2413    | 2121    | 0.04%  | 0.006% |
| 59 | 8.807 | 2395 | 2400 | 2401 | rBV3 | 2367    | 1766    | 0.03%  | 0.005% |
| 60 | 8.907 | 2424 | 2431 | 2445 | rVB8 | 10038   | 18730   | 0.33%  | 0.056% |
| 61 | 9.022 | 2459 | 2467 | 2475 | rBV8 | 8435    | 16820   | 0.30%  | 0.050% |
| 62 | 9.090 | 2475 | 2488 | 2519 | rVV  | 1412547 | 2744865 | 48.19% | 8.233% |
| 63 | 9.334 | 2559 | 2564 | 2565 | rBV4 | 1629    | 1505    | 0.03%  | 0.005% |
| 64 | 9.395 | 2577 | 2583 | 2588 | rBV6 | 6131    | 7003    | 0.12%  | 0.021% |
| 65 | 9.444 | 2590 | 2598 | 2611 | rVB4 | 32786   | 54572   | 0.96%  | 0.164% |
| 66 | 9.559 | 2631 | 2634 | 2641 | rVB6 | 2463    | 2679    | 0.05%  | 0.008% |
| 67 | 9.640 | 2656 | 2659 | 2660 | rBV2 | 1353    | 730     | 0.01%  | 0.002% |
| 68 | 9.710 | 2670 | 2681 | 2691 | rBV8 | 11901   | 24795   | 0.44%  | 0.074% |
| 69 | 9.813 | 2707 | 2713 | 2720 | rVB9 | 5699    | 8348    | 0.15%  | 0.025% |
| 70 | 9.916 | 2739 | 2745 | 2746 | rBV4 | 3092    | 2752    | 0.05%  | 0.008% |
| 71 | 9.948 | 2749 | 2755 | 2765 | rVB3 | 17196   | 26294   | 0.46%  | 0.079% |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM052119WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |       |         |         |        |        |
|-----|--------|------|------|------|-------|---------|---------|--------|--------|
| 72  | 10.006 | 2765 | 2773 | 2774 | rBV6  | 3733    | 4378    | 0.08%  | 0.013% |
| 73  | 10.038 | 2778 | 2783 | 2793 | rVB6  | 12691   | 20125   | 0.35%  | 0.060% |
| 74  | 10.154 | 2812 | 2819 | 2825 | rBV8  | 5574    | 8059    | 0.14%  | 0.024% |
| 75  | 10.225 | 2832 | 2841 | 2842 | rBV8  | 6597    | 8228    | 0.14%  | 0.025% |
| 76  | 10.434 | 2893 | 2906 | 2931 | rBV   | 1145295 | 1933491 | 33.94% | 5.799% |
| 77  | 10.752 | 2996 | 3005 | 3013 | rBV6  | 18998   | 34160   | 0.60%  | 0.102% |
| 78  | 10.810 | 3015 | 3023 | 3035 | rVB3  | 89172   | 140825  | 2.47%  | 0.422% |
| 79  | 11.109 | 3111 | 3116 | 3125 | rBV6  | 16011   | 21251   | 0.37%  | 0.064% |
| 80  | 11.270 | 3159 | 3166 | 3170 | rBV7  | 6836    | 10299   | 0.18%  | 0.031% |
| 81  | 11.395 | 3199 | 3205 | 3213 | rVB7  | 17810   | 22413   | 0.39%  | 0.067% |
| 82  | 11.482 | 3221 | 3232 | 3253 | rBV   | 1706968 | 2728820 | 47.91% | 8.185% |
| 83  | 11.697 | 3294 | 3299 | 3307 | rVB9  | 12114   | 19452   | 0.34%  | 0.058% |
| 84  | 11.858 | 3337 | 3349 | 3375 | rBV   | 1608864 | 2667126 | 46.82% | 8.000% |
| 85  | 12.022 | 3393 | 3400 | 3411 | rVB4  | 42002   | 61089   | 1.07%  | 0.183% |
| 86  | 12.611 | 3576 | 3583 | 3587 | rBV8  | 6259    | 8515    | 0.15%  | 0.026% |
| 87  | 12.820 | 3646 | 3648 | 3652 | rBV3  | 1833    | 1197    | 0.02%  | 0.004% |
| 88  | 13.398 | 3824 | 3828 | 3829 | rBV3  | 1710    | 1162    | 0.02%  | 0.003% |
| 89  | 13.450 | 3841 | 3844 | 3849 | rBV6  | 866     | 747     | 0.01%  | 0.002% |
| 90  | 13.521 | 3862 | 3866 | 3869 | rBV5  | 1658    | 1812    | 0.03%  | 0.005% |
| 91  | 13.569 | 3878 | 3881 | 3883 | rBV4  | 1920    | 1048    | 0.02%  | 0.003% |
| 92  | 13.787 | 3944 | 3949 | 3950 | rBV4  | 2479    | 2151    | 0.04%  | 0.006% |
| 93  | 14.131 | 4052 | 4056 | 4064 | rBV10 | 2057    | 3242    | 0.06%  | 0.010% |
| 94  | 14.270 | 4095 | 4099 | 4100 | rBV4  | 4388    | 2764    | 0.05%  | 0.008% |
| 95  | 14.421 | 4143 | 4146 | 4150 | rVB4  | 1173    | 971     | 0.02%  | 0.003% |
| 96  | 14.511 | 4171 | 4174 | 4177 | rBV4  | 1536    | 926     | 0.02%  | 0.003% |
| 97  | 14.639 | 4209 | 4214 | 4217 | rBV5  | 1058    | 1119    | 0.02%  | 0.003% |
| 98  | 14.781 | 4255 | 4258 | 4262 | rBV3  | 1397    | 941     | 0.02%  | 0.003% |
| 99  | 14.852 | 4277 | 4280 | 4283 | rBV4  | 1187    | 987     | 0.02%  | 0.003% |
| 100 | 15.196 | 4384 | 4387 | 4391 | rBV5  | 1857    | 1246    | 0.02%  | 0.004% |

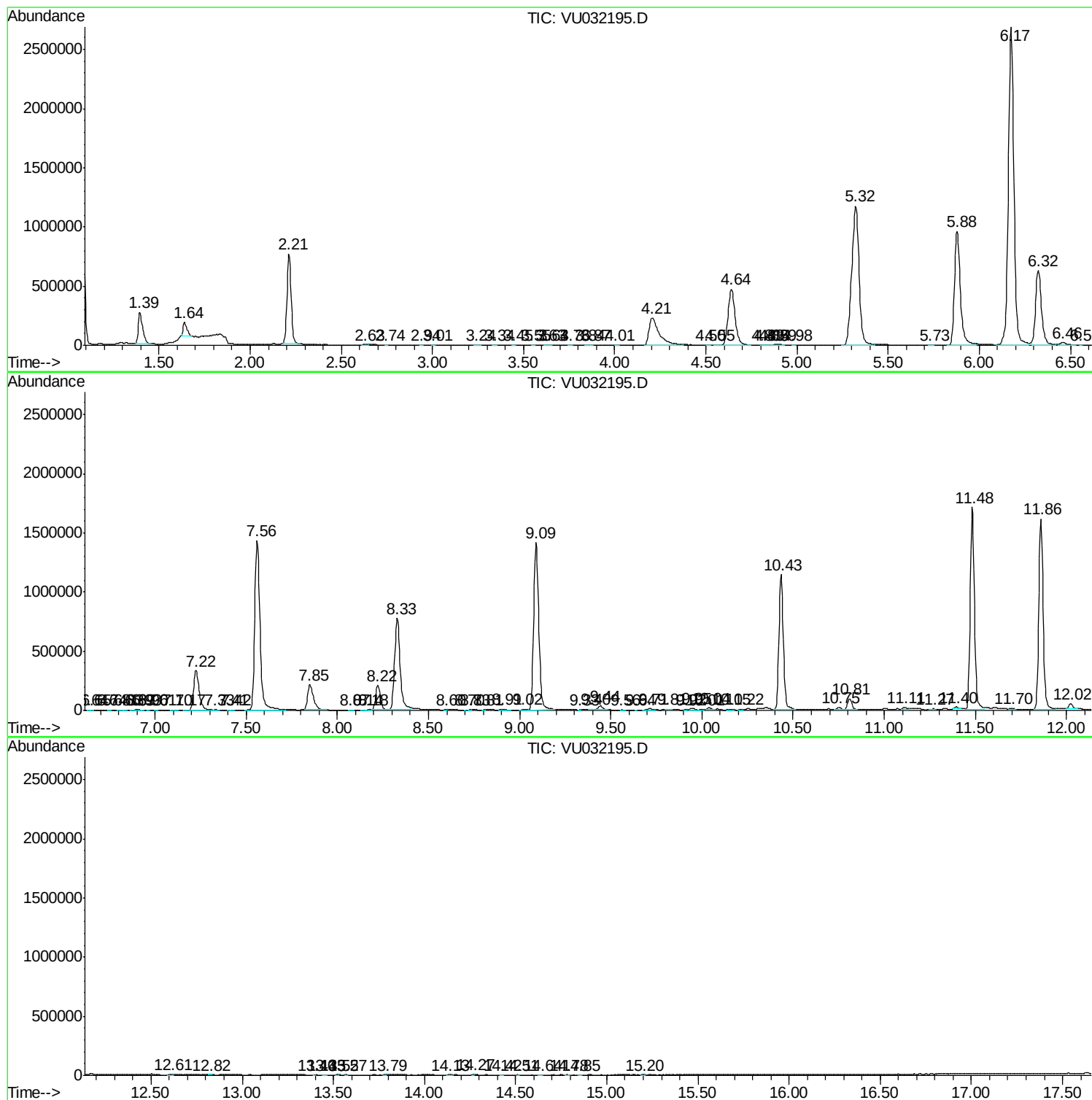
Sum of corrected areas: 33339876

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Instrument :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM052119WMA.M  
Quant Title : VOC Analysis

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



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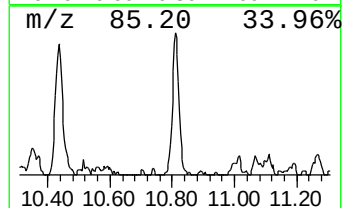
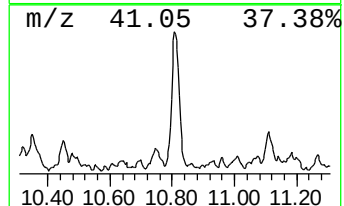
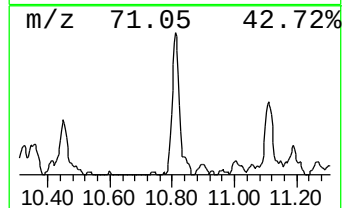
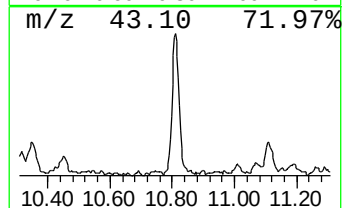
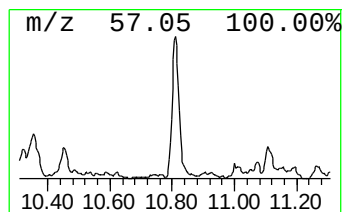
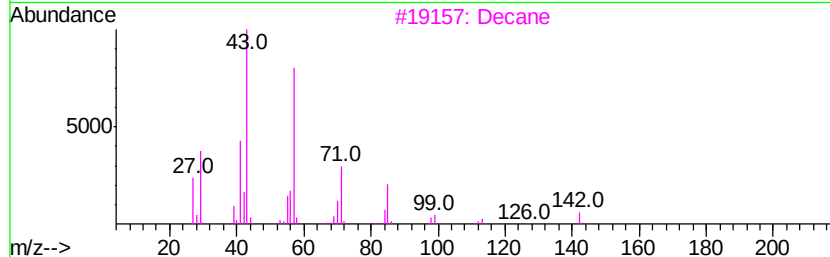
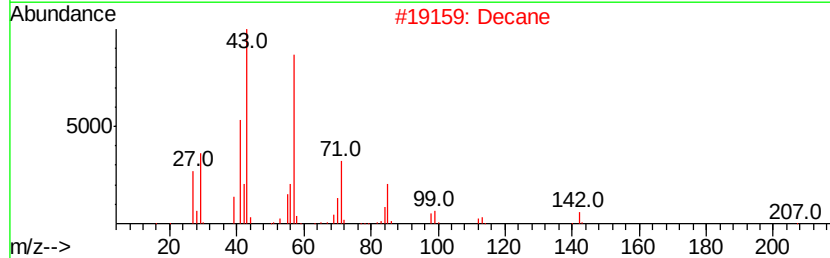
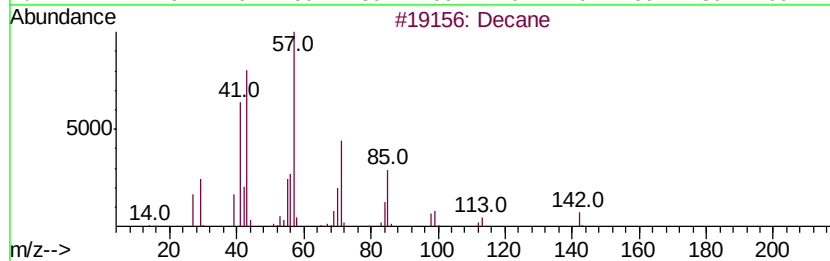
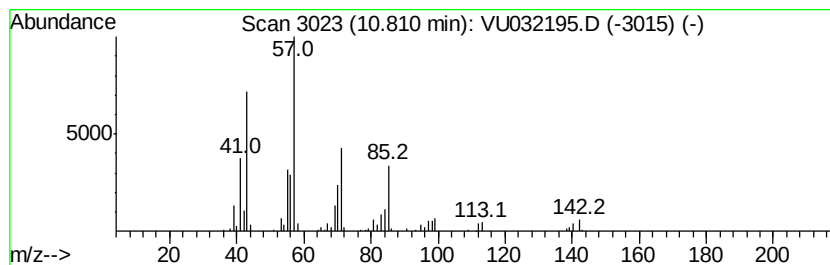
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM052119WMA.M  
Quant Title : VOC Analysis

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

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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.    | EstConc   | Area         | Relative to ISTD       | R.T.           |
|---------|-----------|--------------|------------------------|----------------|
| 10.81   | 2.58 ug/L | 140825       | 1,4-Dichlorobenzene-d4 | 11.48          |
| Hit# of | 5         | Tentative ID | MW MolForm             | CAS# Qual      |
| 1       | Decane    |              | 142 C10H22             | 000124-18-5 94 |
| 2       | Decane    |              | 142 C10H22             | 000124-18-5 87 |
| 3       | Decane    |              | 142 C10H22             | 000124-18-5 81 |
| 4       | Decane    |              | 142 C10H22             | 000124-18-5 81 |
| 5       | Octane    |              | 114 C8H18              | 000111-65-9 72 |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Str... | 10.81 | 2.6     | ug/L  | 140825   | 3                     | 11.48 | 2728820 | 50.0 |