LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071618\
Data File : VU025420.D
Acq On : 16 Jul 2018 12:31
Operator : MD/SY
Sample : VU0716WBL01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VBLK41

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071618WMA.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 | 0.657 | 18 | 21 | 24 | rBV4 | 781 | 564 | 0.02% | 0.004% |
| 2 | 0.883 | 89 | 91 | 95 | rVB3 | 785 | 443 | 0.02% | 0.003% |
| 3 | 0.989 | 120 | 124 | 129 | rBV6 | 466 | 545 | 0.02% | 0.004% |
| 4 | 1.088 | 146 | 155 | 179 | rBV | 2002203 | 2447223 | 100.00% | 19.246% |
| 5 | 1.400 | 245 | 252 | 268 | rBV | 133325 | 152332 | 6.22% | 1.198% |
| 6 | 1.680 | 332 | 339 | 356 | rVB | 103119 | 140299 | 5.73% | 1.103% |
| 7 | 2.272 | 514 | 523 | 536 | rVB | 250174 | 384216 | 15.70% | 3.022% |
| 8 | 2.477 | 582 | 587 | 599 | rVB | 3970 | 6120 | 0.25% | 0.048% |
| 9 | 2.764 | 673 | 676 | 679 | rBV4 | 957 | 596 | 0.02% | 0.005% |
| 10 | 2.799 | 684 | 687 | 690 | rBV4 | 890 | 706 | 0.03% | 0.006% |
| 11 | 2.841 | 690 | 700 | 708 | rBV5 | 2551 | 5140 | 0.21% | 0.040% |
| 12 | 2.908 | 717 | 721 | 724 | rBV3 | 938 | 925 | 0.04% | 0.007% |
| 13 | 3.043 | 760 | 763 | 765 | rBV3 | 831 | 580 | 0.02% | 0.005% |
| 14 | 3.458 | 889 | 892 | 895 | rBV5 | 701 | 514 | 0.02% | 0.004% |
| 15 | 3.500 | 902 | 905 | 907 | rBV2 | 579 | 426 | 0.02% | 0.003% |
| 16 | 3.606 | 934 | 938 | 942 | rVB5 | 1001 | 759 | 0.03% | 0.006% |
| 17 | 3.657 | 948 | 954 | 956 | rBV5 | 816 | 855 | 0.03% | 0.007% |
| 18 | 3.741 | 975 | 980 | 985 | rBV7 | 665 | 725 | 0.03% | 0.006% |
| 19 | 3.931 | 1035 | 1039 | 1041 | rBV2 | 667 | 524 | 0.02% | 0.004% |
| 20 | 4.178 | 1100 | 1116 | 1145 | rBV | 119067 | 332838 | 13.60% | 2.618% |
| 21 | 4.651 | 1246 | 1263 | 1290 | rVV | 211228 | 504964 | 20.63% | 3.971% |
| 22 | 5.104 | 1401 | 1404 | 1409 | rVB6 | 1120 | 1050 | 0.04% | 0.008% |
| 23 | 5.143 | 1414 | 1416 | 1423 | rVB5 | 759 | 663 | 0.03% | 0.005% |
| 24 | 5.342 | 1454 | 1478 | 1498 | rBV2 | 415224 | 1261854 | 51.56% | 9.924% |
| 25 | 5.734 | 1593 | 1600 | 1601 | rBV6 | 710 | 722 | 0.03% | 0.006% |
| 26 | 5.889 | 1633 | 1648 | 1665 | rBV | 433232 | 853552 | 34.88% | 6.713% |
| 27 | 6.169 | 1729 | 1735 | 1736 | rBV4 | 1740 | 1395 | 0.06% | 0.011% |
| 28 | 6.185 | 1737 | 1740 | 1750 | rVB8 | 3043 | 4274 | 0.17% | 0.034% |
| 29 | 6.230 | 1750 | 1754 | 1755 | rBV3 | 588 | 423 | 0.02% | 0.003% |
| 30 | 6.336 | 1772 | 1787 | 1811 | rVV | 282997 | 579604 | 23.68% | 4.558% |
| 31 | 6.558 | 1850 | 1856 | 1861 | rBV5 | 922 | 1208 | 0.05% | 0.010% |
| 32 | 6.593 | 1865 | 1867 | 1876 | rVB7 | 1056 | 1218 | 0.05% | 0.010% |
| 33 | 6.641 | 1879 | 1882 | 1884 | rVB2 | 866 | 521 | 0.02% | 0.004% |
| 34 | 6.705 | 1898 | 1902 | 1904 | rBV2 | 1008 | 683 | 0.03% | 0.005% |

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Sample : VU0716WBL01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VBLK41

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071618WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 6.805 | 1931 | 1933 | 1938 | rVB2 | 1036 | 766 | 0.03% | 0.006% |
| 36 | 6.837 | 1938 | 1943 | 1944 | rBV2 | 1642 | 1250 | 0.05% | 0.010% |
| 37 | 7.230 | 2052 | 2065 | 2091 | rBV | 166474 | 304321 | 12.44% | 2.393% |
| 38 | 7.410 | 2118 | 2121 | 2125 | rVB3 | 735 | 554 | 0.02% | 0.004% |
| 39 | 7.451 | 2130 | 2134 | 2135 | rBV2 | 881 | 520 | 0.02% | 0.004% |
| 40 | 7.468 | 2135 | 2139 | 2145 | rVB7 | 1161 | 1459 | 0.06% | 0.011% |
| 41 | 7.496 | 2145 | 2148 | 2152 | rBV6 | 846 | 833 | 0.03% | 0.007% |
| 42 | 7.570 | 2157 | 2171 | 2189 | rBV | 587329 | 1044150 | 42.67% | 8.212% |
| 43 | 7.853 | 2242 | 2259 | 2276 | rBV | 116730 | 204250 | 8.35% | 1.606% |
| 44 | 8.149 | 2348 | 2351 | 2355 | rVB4 | 878 | 679 | 0.03% | 0.005% |
| 45 | 8.313 | 2390 | 2402 | 2443 | rBV | 392452 | 741101 | 30.28% | 5.828% |
| 46 | 8.596 | 2485 | 2490 | 2492 | rBV5 | 1088 | 1115 | 0.05% | 0.009% |
| 47 | 8.840 | 2561 | 2566 | 2571 | rBV6 | 1131 | 1238 | 0.05% | 0.010% |
| 48 | 8.895 | 2575 | 2583 | 2587 | rBV6 | 920 | 1293 | 0.05% | 0.010% |
| 49 | 9.094 | 2631 | 2645 | 2678 | rBV | 591920 | 1013017 | 41.39% | 7.967% |
| 50 | 9.252 | 2690 | 2694 | 2695 | rBV3 | 1134 | 665 | 0.03% | 0.005% |
| 51 | 9.294 | 2705 | 2707 | 2711 | rVB3 | 871 | 563 | 0.02% | 0.004% |
| 52 | 9.384 | 2722 | 2735 | 2739 | rBV8 | 2519 | 4926 | 0.20% | 0.039% |
| 53 | 9.503 | 2769 | 2772 | 2776 | rVB3 | 963 | 720 | 0.03% | 0.006% |
| 54 | 9.570 | 2788 | 2793 | 2795 | rBV2 | 676 | 644 | 0.03% | 0.005% |
| 55 | 9.795 | 2855 | 2863 | 2874 | rVB8 | 3235 | 6042 | 0.25% | 0.048% |
| 56 | 9.892 | 2891 | 2893 | 2897 | rVB2 | 777 | 547 | 0.02% | 0.004% |
| 57 | 9.947 | 2907 | 2910 | 2917 | rVB5 | 745 | 687 | 0.03% | 0.005% |
| 58 | 10.011 | 2922 | 2930 | 2933 | rBV6 | 808 | 945 | 0.04% | 0.007% |
| 59 | 10.088 | 2950 | 2954 | 2956 | rBV3 | 832 | 649 | 0.03% | 0.005% |
| 60 | 10.165 | 2974 | 2978 | 2981 | rBV4 | 898 | 896 | 0.04% | 0.007% |
| 61 | 10.278 | 3009 | 3013 | 3017 | rVV3 | 885 | 533 | 0.02% | 0.004% |
| 62 | 10.313 | 3021 | 3024 | 3027 | rBV3 | 951 | 617 | 0.03% | 0.005% |
| 63 | 10.435 | 3049 | 3062 | 3082 | rVB | 408107 | 665979 | 27.21% | 5.238% |
| 64 | 10.680 | 3134 | 3138 | 3143 | rVB4 | 510 | 559 | 0.02% | 0.004% |
| 65 | 10.721 | 3149 | 3151 | 3157 | rVB5 | 778 | 685 | 0.03% | 0.005% |
| 66 | 10.773 | 3164 | 3167 | 3173 | rBV3 | 552 | 570 | 0.02% | 0.004% |
| 67 | 10.824 | 3180 | 3183 | 3186 | rVB4 | 783 | 491 | 0.02% | 0.004% |
| 68 | 10.879 | 3197 | 3200 | 3203 | rVB2 | 638 | 473 | 0.02% | 0.004% |
| 69 | 10.937 | 3216 | 3218 | 3222 | rVB3 | 690 | 473 | 0.02% | 0.004% |
| 70 | 11.062 | 3253 | 3257 | 3260 | rBV3 | 544 | 414 | 0.02% | 0.003% |
| 71 | 11.114 | 3271 | 3273 | 3276 | rVB3 | 722 | 456 | 0.02% | 0.004% |

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Sample : VU0716WBL01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VBLK41

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071618WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 11.149 | 3276 | 3284 | 3287 | rBV4 | 808 | 951 | 0.04% | 0.007% |
| 73 | 11.181 | 3292 | 3294 | 3298 | rVV2 | 627 | 512 | 0.02% | 0.004% |
| 74 | 11.204 | 3298 | 3301 | 3305 | rVB2 | 1160 | 918 | 0.04% | 0.007% |
| 75 | 11.226 | 3305 | 3308 | 3311 | rBV2 | 604 | 513 | 0.02% | 0.004% |
| 76 | 11.422 | 3359 | 3369 | 3376 | rBV4 | 5424 | 8227 | 0.34% | 0.065% |
| 77 | 11.487 | 3377 | 3389 | 3408 | rVB | 597542 | 941613 | 38.48% | 7.405% |
| 78 | 11.647 | 3436 | 3439 | 3443 | rVB3 | 669 | 450 | 0.02% | 0.004% |
| 79 | 11.673 | 3443 | 3447 | 3450 | rBV5 | 462 | 444 | 0.02% | 0.003% |
| 80 | 11.692 | 3450 | 3453 | 3460 | rVB5 | 786 | 608 | 0.02% | 0.005% |
| 81 | 11.776 | 3475 | 3479 | 3483 | rBV4 | 874 | 859 | 0.04% | 0.007% |
| 82 | 11.866 | 3493 | 3507 | 3528 | rVB | 594274 | 968973 | 39.59% | 7.620% |
| 83 | 12.040 | 3556 | 3561 | 3565 | rVB5 | 550 | 551 | 0.02% | 0.004% |
| 84 | 12.069 | 3565 | 3570 | 3576 | rBV5 | 488 | 609 | 0.02% | 0.005% |
| 85 | 12.152 | 3591 | 3596 | 3599 | rBV3 | 538 | 503 | 0.02% | 0.004% |
| 86 | 12.181 | 3602 | 3605 | 3609 | rVV3 | 619 | 549 | 0.02% | 0.004% |
| 87 | 12.573 | 3717 | 3727 | 3739 | rBV7 | 9577 | 16477 | 0.67% | 0.130% |
| 88 | 12.660 | 3750 | 3754 | 3759 | rBV4 | 738 | 627 | 0.03% | 0.005% |
| 89 | 12.850 | 3811 | 3813 | 3818 | rVB3 | 731 | 493 | 0.02% | 0.004% |
| 90 | 12.895 | 3818 | 3827 | 3835 | rBV7 | 6879 | 11417 | 0.47% | 0.090% |
| 91 | 13.017 | 3862 | 3865 | 3867 | rBV3 | 707 | 432 | 0.02% | 0.003% |
| 92 | 13.152 | 3904 | 3907 | 3909 | rVB2 | 766 | 430 | 0.02% | 0.003% |
| 93 | 13.181 | 3913 | 3916 | 3920 | rBV4 | 645 | 548 | 0.02% | 0.004% |
| 94 | 13.281 | 3942 | 3947 | 3950 | rBV5 | 623 | 747 | 0.03% | 0.006% |
| 95 | 13.316 | 3956 | 3958 | 3961 | rVB3 | 907 | 472 | 0.02% | 0.004% |
| 96 | 13.335 | 3961 | 3964 | 3967 | rBV2 | 1151 | 1041 | 0.04% | 0.008% |
| 97 | 13.387 | 3976 | 3980 | 3983 | rBV5 | 985 | 721 | 0.03% | 0.006% |
| 98 | 13.509 | 4009 | 4018 | 4029 | rBV4 | 10677 | 16812 | 0.69% | 0.132% |
| 99 | 13.750 | 4083 | 4093 | 4104 | rBV2 | 14389 | 24634 | 1.01% | 0.194% |
| 100 | 13.995 | 4160 | 4169 | 4180 | rBV3 | 12902 | 20821 | 0.85% | 0.164% |

Sum of corrected areas: 12715493

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071618\
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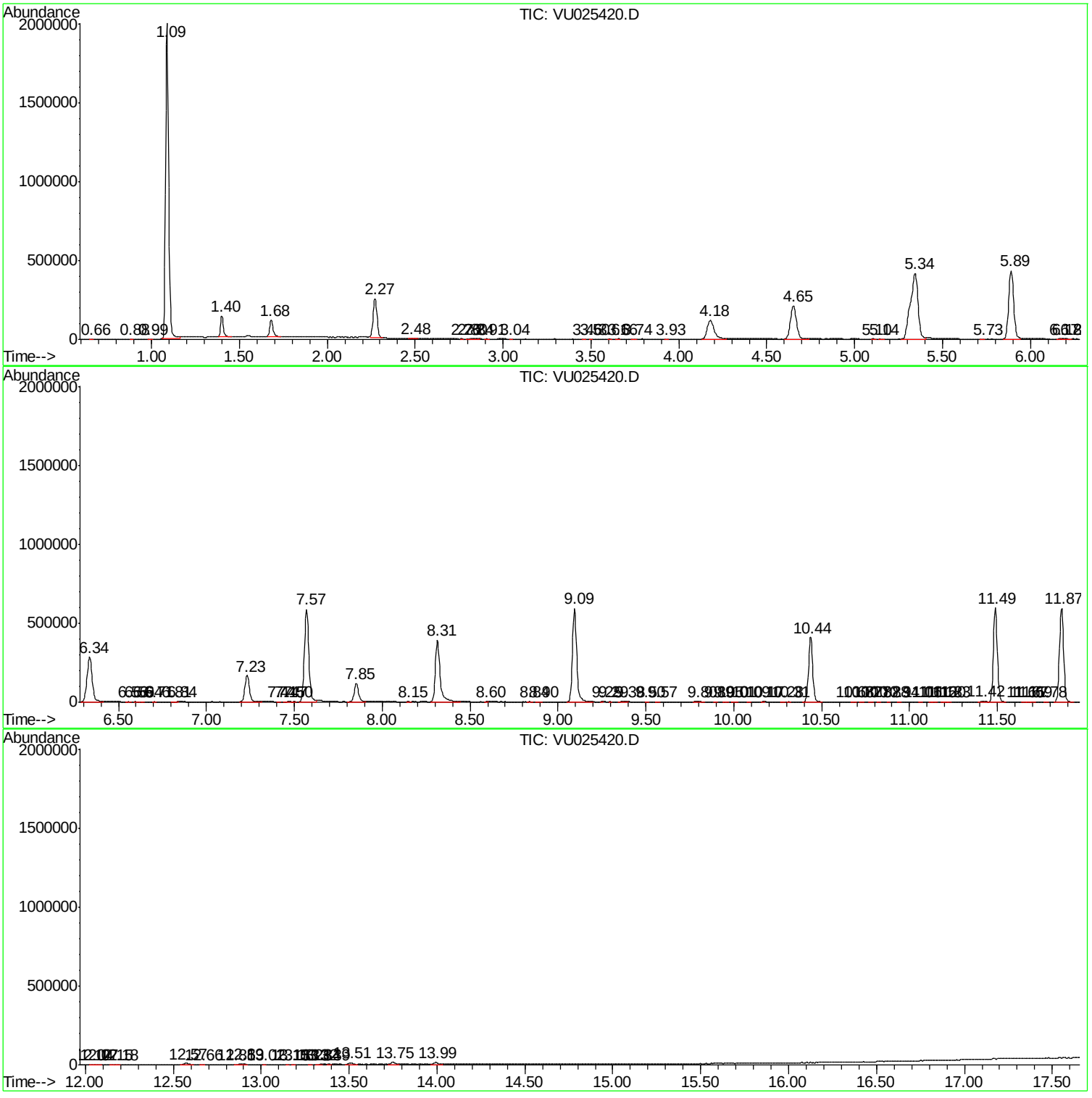
Sample : VU0716WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VBLK41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071618WMA.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071618\
Data File : VU025420.D
Acq On : 16 Jul 2018 12:31
Operator : MD/SY
Sample : VU0716WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VBLK41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071618WMA.M
Quant Title : VOC Analysis

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

No Library Search Compounds Detected

**********

Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071618\
Data File : VU025420.D
Acq On : 16 Jul 2018 12:31
Operator : MD/SY
Sample : VU0716WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VBLK41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071618WMA.M
Quant Title : VOC Analysis

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |