LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061220\
Data File : VV016881.D
Acq On : 12 Jun 2020 16:01
Operator : SY/MD
Sample : L2947-04
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFXE3

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_V\METHOD\SOMVLM060820WMA.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 | 1.315 | 64 | 70 | 83 | rVB | 157670 | 158296 | 12.27% | 1.624% |
| 2 | 1.557 | 138 | 145 | 158 | rVB | 115334 | 139352 | 10.81% | 1.429% |
| 3 | 2.116 | 310 | 319 | 336 | rVB | 249094 | 371603 | 28.82% | 3.812% |
| 4 | 2.376 | 397 | 400 | 403 | rBV5 | 1870 | 1372 | 0.11% | 0.014% |
| 5 | 2.640 | 471 | 482 | 504 | rBV | 27409 | 69219 | 5.37% | 0.710% |
| 6 | 2.968 | 582 | 584 | 587 | rBV4 | 1844 | 1198 | 0.09% | 0.012% |
| 7 | 3.000 | 591 | 594 | 595 | rBV3 | 1190 | 682 | 0.05% | 0.007% |
| 8 | 3.264 | 673 | 676 | 678 | rBV4 | 1411 | 907 | 0.07% | 0.009% |
| 9 | 3.389 | 709 | 715 | 718 | rBV6 | 1966 | 2253 | 0.17% | 0.023% |
| 10 | 3.527 | 756 | 758 | 761 | rBV3 | 1439 | 921 | 0.07% | 0.009% |
| 11 | 3.663 | 797 | 800 | 802 | rBV4 | 1318 | 774 | 0.06% | 0.008% |
| 12 | 3.778 | 834 | 836 | 838 | rBV3 | 1404 | 806 | 0.06% | 0.008% |
| 13 | 3.894 | 862 | 872 | 896 | rBV | 97864 | 258411 | 20.04% | 2.651% |
| 14 | 4.245 | 977 | 981 | 984 | rBV5 | 1782 | 1616 | 0.13% | 0.017% |
| 15 | 4.373 | 1008 | 1021 | 1040 | rVB | 212996 | 505120 | 39.17% | 5.181% |
| 16 | 4.875 | 1174 | 1177 | 1178 | rBV3 | 1135 | 754 | 0.06% | 0.008% |
| 17 | 4.920 | 1187 | 1191 | 1194 | rBV6 | 2508 | 2420 | 0.19% | 0.025% |
| 18 | 4.949 | 1198 | 1200 | 1203 | rBV4 | 1740 | 1110 | 0.09% | 0.011% |
| 19 | 5.003 | 1215 | 1217 | 1219 | rBV3 | 1628 | 745 | 0.06% | 0.008% |
| 20 | 5.068 | 1220 | 1237 | 1261 | rVV2 | 506584 | 1289611 | 100.00% | 13.228% |
| 21 | 5.408 | 1338 | 1343 | 1345 | rBV5 | 1728 | 1785 | 0.14% | 0.018% |
| 22 | 5.463 | 1355 | 1360 | 1364 | rBV7 | 1938 | 2020 | 0.16% | 0.021% |
| 23 | 5.482 | 1364 | 1366 | 1370 | rVB4 | 1787 | 1144 | 0.09% | 0.012% |
| 24 | 5.508 | 1370 | 1374 | 1377 | rBV7 | 2223 | 1908 | 0.15% | 0.020% |
| 25 | 5.547 | 1383 | 1386 | 1391 | rBV8 | 2035 | 1784 | 0.14% | 0.018% |
| 26 | 5.640 | 1403 | 1415 | 1435 | rBV | 364377 | 724498 | 56.18% | 7.432% |
| 27 | 5.804 | 1464 | 1466 | 1467 | rBV2 | 1655 | 784 | 0.06% | 0.008% |
| 28 | 5.855 | 1477 | 1482 | 1484 | rBV5 | 1531 | 1251 | 0.10% | 0.013% |
| 29 | 6.093 | 1542 | 1556 | 1576 | rBV | 286375 | 585225 | 45.38% | 6.003% |
| 30 | 6.325 | 1622 | 1628 | 1629 | rBV4 | 1785 | 1460 | 0.11% | 0.015% |
| 31 | 6.408 | 1651 | 1654 | 1655 | rBV2 | 1800 | 935 | 0.07% | 0.010% |
| 32 | 6.441 | 1662 | 1664 | 1670 | rVB6 | 1803 | 1463 | 0.11% | 0.015% |
| 33 | 6.473 | 1670 | 1674 | 1675 | rVB4 | 1413 | 813 | 0.06% | 0.008% |
| 34 | 6.486 | 1675 | 1678 | 1680 | rBV3 | 1610 | 1016 | 0.08% | 0.010% |

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Sample : L2947-04
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFXE3

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_V\METHOD\SOMVLM060820WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 6.582 | 1706 | 1708 | 1711 | rVV4 | 1551 | 1009 | 0.08% | 0.010% |
| 36 | 6.617 | 1716 | 1719 | 1721 | rBV3 | 1130 | 672 | 0.05% | 0.007% |
| 37 | 6.926 | 1812 | 1815 | 1817 | rBV4 | 1534 | 1064 | 0.08% | 0.011% |
| 38 | 7.006 | 1830 | 1840 | 1855 | rBV | 170635 | 298847 | 23.17% | 3.065% |
| 39 | 7.283 | 1923 | 1926 | 1928 | rBV4 | 1680 | 880 | 0.07% | 0.009% |
| 40 | 7.338 | 1931 | 1943 | 1962 | rVV | 600242 | 1021655 | 79.22% | 10.480% |
| 41 | 7.643 | 2028 | 2038 | 2052 | rBV | 119391 | 201641 | 15.64% | 2.068% |
| 42 | 8.042 | 2160 | 2162 | 2167 | rVB6 | 1569 | 746 | 0.06% | 0.008% |
| 43 | 8.109 | 2172 | 2183 | 2213 | rVV2 | 305628 | 599035 | 46.45% | 6.145% |
| 44 | 8.675 | 2358 | 2359 | 2362 | rBV3 | 1226 | 763 | 0.06% | 0.008% |
| 45 | 8.871 | 2409 | 2420 | 2439 | rBV | 564225 | 902757 | 70.00% | 9.260% |
| 46 | 9.167 | 2507 | 2512 | 2513 | rBV4 | 2282 | 1676 | 0.13% | 0.017% |
| 47 | 9.257 | 2536 | 2540 | 2543 | rBV5 | 1209 | 1296 | 0.10% | 0.013% |
| 48 | 9.293 | 2547 | 2551 | 2553 | rBV6 | 1007 | 889 | 0.07% | 0.009% |
| 49 | 9.334 | 2561 | 2564 | 2566 | rBV4 | 1072 | 826 | 0.06% | 0.008% |
| 50 | 9.550 | 2627 | 2631 | 2633 | rBV4 | 1619 | 1220 | 0.09% | 0.013% |
| 51 | 9.617 | 2650 | 2652 | 2654 | rBV2 | 1664 | 980 | 0.08% | 0.010% |
| 52 | 9.711 | 2680 | 2681 | 2686 | rBV3 | 1075 | 889 | 0.07% | 0.009% |
| 53 | 9.823 | 2712 | 2716 | 2720 | rBV6 | 1475 | 1422 | 0.11% | 0.015% |
| 54 | 9.871 | 2727 | 2731 | 2733 | rBV4 | 1443 | 1222 | 0.09% | 0.013% |
| 55 | 9.936 | 2749 | 2751 | 2757 | rBV6 | 1011 | 828 | 0.06% | 0.008% |
| 56 | 10.051 | 2785 | 2787 | 2790 | rBV4 | 1068 | 844 | 0.07% | 0.009% |
| 57 | 10.093 | 2796 | 2800 | 2802 | rBV4 | 2329 | 1532 | 0.12% | 0.016% |
| 58 | 10.167 | 2816 | 2823 | 2825 | rBV7 | 1867 | 1925 | 0.15% | 0.020% |
| 59 | 10.238 | 2832 | 2845 | 2858 | rBV | 379870 | 595263 | 46.16% | 6.106% |
| 60 | 10.411 | 2895 | 2899 | 2901 | rBV4 | 1565 | 973 | 0.08% | 0.010% |
| 61 | 10.473 | 2915 | 2918 | 2919 | rBV3 | 1134 | 753 | 0.06% | 0.008% |
| 62 | 10.505 | 2924 | 2928 | 2937 | rVB9 | 2126 | 2554 | 0.20% | 0.026% |
| 63 | 10.556 | 2939 | 2944 | 2945 | rBV4 | 1163 | 961 | 0.07% | 0.010% |
| 64 | 10.608 | 2959 | 2960 | 2964 | rBV5 | 1304 | 920 | 0.07% | 0.009% |
| 65 | 10.807 | 3020 | 3022 | 3026 | rVV3 | 1192 | 800 | 0.06% | 0.008% |
| 66 | 10.981 | 3072 | 3076 | 3079 | rVB6 | 1321 | 988 | 0.08% | 0.010% |
| 67 | 10.997 | 3079 | 3081 | 3086 | rVB2 | 1259 | 665 | 0.05% | 0.007% |
| 68 | 11.032 | 3090 | 3092 | 3098 | rVB6 | 1525 | 967 | 0.07% | 0.010% |
| 69 | 11.067 | 3098 | 3103 | 3105 | rBV4 | 1312 | 1020 | 0.08% | 0.010% |
| 70 | 11.106 | 3111 | 3115 | 3119 | rBV7 | 2483 | 2145 | 0.17% | 0.022% |
| 71 | 11.270 | 3154 | 3166 | 3186 | rBV | 581561 | 892285 | 69.19% | 9.153% |

LSC Area Percent Report

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Operator : SY/MD
Sample : L2947-04
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFXE3

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_V\METHOD\SOMVLM060820WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 11.646 | 3272 | 3283 | 3298 | rBV | 662898 | 1039846 | 80.63% | 10.666% |
| 73 | 11.817 | 3333 | 3336 | 3339 | rBV5 | 1821 | 1305 | 0.10% | 0.013% |
| 74 | 11.942 | 3373 | 3375 | 3380 | rVB5 | 2324 | 1316 | 0.10% | 0.013% |
| 75 | 11.987 | 3383 | 3389 | 3390 | rBV5 | 1539 | 1315 | 0.10% | 0.013% |
| 76 | 12.038 | 3403 | 3405 | 3408 | rBV4 | 1191 | 803 | 0.06% | 0.008% |
| 77 | 12.112 | 3425 | 3428 | 3432 | rBV6 | 1005 | 751 | 0.06% | 0.008% |
| 78 | 12.235 | 3462 | 3466 | 3467 | rBV4 | 1452 | 675 | 0.05% | 0.007% |
| 79 | 12.276 | 3474 | 3479 | 3483 | rBV9 | 1904 | 2034 | 0.16% | 0.021% |
| 80 | 12.321 | 3489 | 3493 | 3494 | rBV5 | 1566 | 1150 | 0.09% | 0.012% |
| 81 | 12.601 | 3577 | 3580 | 3581 | rBV2 | 1241 | 764 | 0.06% | 0.008% |
| 82 | 12.765 | 3625 | 3631 | 3634 | rBV6 | 1596 | 1760 | 0.14% | 0.018% |
| 83 | 12.887 | 3666 | 3669 | 3670 | rBV3 | 1391 | 700 | 0.05% | 0.007% |
| 84 | 13.103 | 3729 | 3736 | 3737 | rBV6 | 1729 | 1470 | 0.11% | 0.015% |
| 85 | 13.180 | 3757 | 3760 | 3762 | rBV3 | 1351 | 919 | 0.07% | 0.009% |
| 86 | 13.215 | 3767 | 3771 | 3774 | rVB5 | 1880 | 1607 | 0.12% | 0.016% |
| 87 | 13.267 | 3783 | 3787 | 3789 | rBV4 | 1588 | 1064 | 0.08% | 0.011% |
| 88 | 13.305 | 3796 | 3799 | 3800 | rBV3 | 1600 | 838 | 0.06% | 0.009% |
| 89 | 13.534 | 3868 | 3870 | 3871 | rBV2 | 2193 | 913 | 0.07% | 0.009% |
| 90 | 13.579 | 3879 | 3884 | 3887 | rBV6 | 1950 | 1609 | 0.12% | 0.017% |
| 91 | 13.755 | 3935 | 3939 | 3940 | rBV3 | 1081 | 788 | 0.06% | 0.008% |
| 92 | 13.906 | 3984 | 3986 | 3989 | rBV3 | 1477 | 741 | 0.06% | 0.008% |
| 93 | 13.945 | 3995 | 3998 | 4000 | rBV3 | 1424 | 806 | 0.06% | 0.008% |
| 94 | 14.096 | 4041 | 4045 | 4046 | rBV4 | 1882 | 1080 | 0.08% | 0.011% |
| 95 | 14.206 | 4076 | 4079 | 4082 | rBV4 | 1795 | 1249 | 0.10% | 0.013% |
| 96 | 14.398 | 4137 | 4139 | 4144 | rVB6 | 1834 | 1082 | 0.08% | 0.011% |
| 97 | 14.440 | 4150 | 4152 | 4154 | rBV2 | 1412 | 894 | 0.07% | 0.009% |
| 98 | 14.839 | 4274 | 4276 | 4278 | rBV3 | 2267 | 1109 | 0.09% | 0.011% |
| 99 | 14.935 | 4304 | 4306 | 4309 | rVB3 | 1675 | 670 | 0.05% | 0.007% |
| 100 | 15.164 | 4374 | 4377 | 4381 | rBV4 | 1466 | 1340 | 0.10% | 0.014% |

Sum of corrected areas: 9748766

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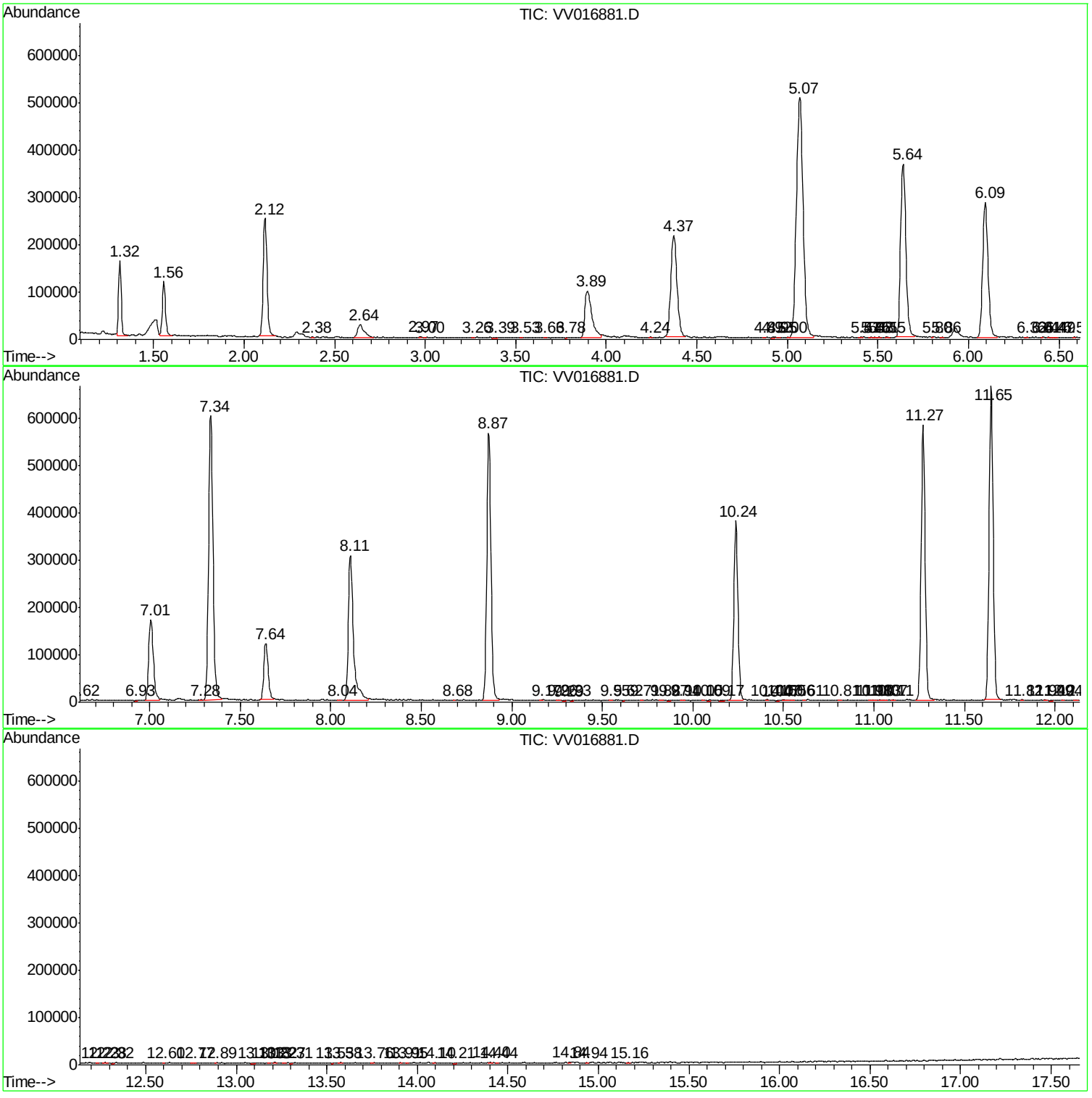
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFXE3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.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_V\DATA\VV061220\
Data File : VV016881.D
Acq On : 12 Jun 2020 16:01
Operator : SY/MD
Sample : L2947-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFXE3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis

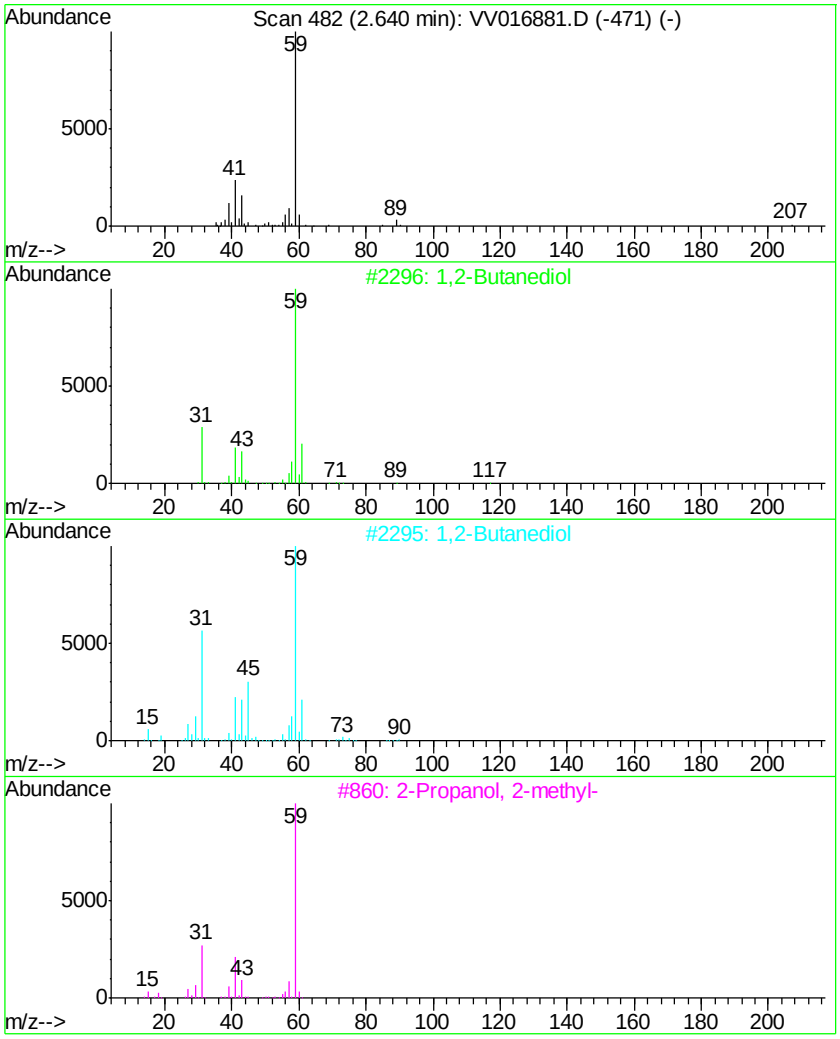
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

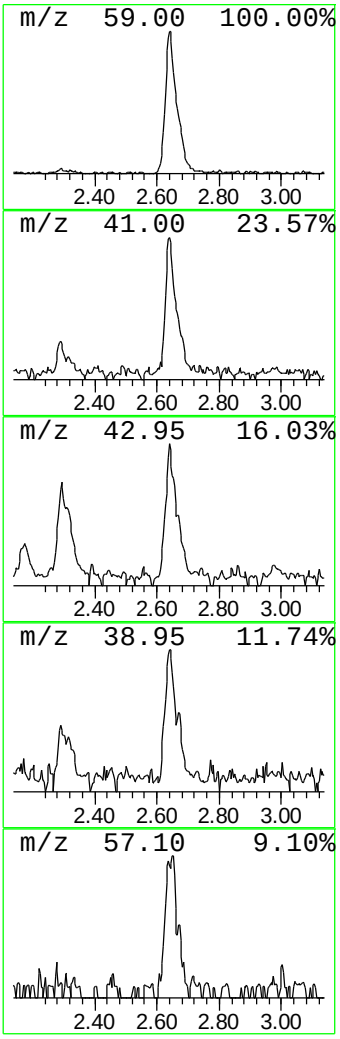
**********

Peak Number 1 1,2-Butanediol Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.64 | 4.78 ug/L | 69219 | 1,4-Difluorobenzene | 5.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,2-Butanediol | 90 | C4H10O2 | 000584-03-2 | 56 |
| 2 | 1,2-Butanediol | 90 | C4H10O2 | 000584-03-2 | 40 |
| 3 | 2-Propanol, 2-methyl- | 74 | C4H10O | 000075-65-0 | 40 |
| 4 | 2-Propanol, 2-methyl- | 74 | C4H10O | 000075-65-0 | 40 |
| 5 | 1,2-Butanediol | 90 | C4H10O2 | 000584-03-2 | 40 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061220\
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Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFXE3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.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 |
| 1,2-Butanediol | 2.64 | 4.8 | ug/L | 69219 | 1 | 5.64 | 724498 | 50.0 |