LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060920\
Data File : VV016748.D
Acq On : 10 Jun 2020 04:19
Operator : SY/MD
Sample : L2914-09 100X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 55 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** F9E12

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 | 62 | 70 | 80 | rVB | 212519 | 224291 | 20.43% | 1.885% |
| 2 | 1.364 | 80 | 85 | 96 | rVB | 35119 | 33776 | 3.08% | 0.284% |
| 3 | 1.422 | 99 | 103 | 109 | rVB | 26968 | 23019 | 2.10% | 0.193% |
| 4 | 1.560 | 140 | 146 | 157 | rVB | 108834 | 132463 | 12.07% | 1.113% |
| 5 | 1.627 | 161 | 167 | 176 | rVB | 33167 | 42154 | 3.84% | 0.354% |
| 6 | 1.769 | 205 | 211 | 217 | rBV | 22983 | 28759 | 2.62% | 0.242% |
| 7 | 1.907 | 248 | 254 | 265 | rVB | 41103 | 54016 | 4.92% | 0.454% |
| 8 | 1.987 | 273 | 279 | 286 | rBV2 | 17961 | 22853 | 2.08% | 0.192% |
| 9 | 2.116 | 310 | 319 | 333 | rBV | 239256 | 350016 | 31.88% | 2.942% |
| 10 | 2.209 | 344 | 348 | 349 | rBV3 | 1955 | 1322 | 0.12% | 0.011% |
| 11 | 2.872 | 552 | 554 | 558 | rBV4 | 1343 | 828 | 0.08% | 0.007% |
| 12 | 2.901 | 561 | 563 | 567 | rVB4 | 1299 | 800 | 0.07% | 0.007% |
| 13 | 2.933 | 570 | 573 | 574 | rBV3 | 1420 | 707 | 0.06% | 0.006% |
| 14 | 3.048 | 603 | 609 | 620 | rBV3 | 2482 | 4246 | 0.39% | 0.036% |
| 15 | 3.129 | 631 | 634 | 636 | rBV2 | 1252 | 893 | 0.08% | 0.008% |
| 16 | 3.450 | 725 | 734 | 736 | rBV6 | 7830 | 11347 | 1.03% | 0.095% |
| 17 | 3.656 | 793 | 798 | 800 | rBV5 | 1419 | 1243 | 0.11% | 0.010% |
| 18 | 3.720 | 813 | 818 | 821 | rBV7 | 2231 | 1639 | 0.15% | 0.014% |
| 19 | 3.894 | 862 | 872 | 905 | rBV | 113834 | 313404 | 28.55% | 2.634% |
| 20 | 4.164 | 953 | 956 | 959 | rBV5 | 1813 | 1304 | 0.12% | 0.011% |
| 21 | 4.373 | 1007 | 1021 | 1047 | rVB | 217792 | 526361 | 47.95% | 4.424% |
| 22 | 4.807 | 1152 | 1156 | 1160 | rVB6 | 1656 | 1797 | 0.16% | 0.015% |
| 23 | 4.827 | 1160 | 1162 | 1164 | rBV3 | 1372 | 827 | 0.08% | 0.007% |
| 24 | 5.003 | 1214 | 1217 | 1219 | rBV4 | 1402 | 1065 | 0.10% | 0.009% |
| 25 | 5.071 | 1220 | 1238 | 1242 | rBV3 | 516397 | 1097785 | 100.00% | 9.226% |
| 26 | 5.640 | 1402 | 1415 | 1442 | rBV | 434558 | 863447 | 78.65% | 7.257% |
| 27 | 5.859 | 1480 | 1483 | 1485 | rVB4 | 1399 | 762 | 0.07% | 0.006% |
| 28 | 6.093 | 1543 | 1556 | 1572 | rBV | 296248 | 590601 | 53.80% | 4.964% |
| 29 | 6.386 | 1642 | 1647 | 1649 | rBV6 | 1793 | 1579 | 0.14% | 0.013% |
| 30 | 6.521 | 1687 | 1689 | 1692 | rBV3 | 1427 | 861 | 0.08% | 0.007% |
| 31 | 6.556 | 1696 | 1700 | 1702 | rBV4 | 2416 | 1952 | 0.18% | 0.016% |
| 32 | 6.762 | 1760 | 1764 | 1768 | rBV5 | 1420 | 1167 | 0.11% | 0.010% |
| 33 | 6.807 | 1774 | 1778 | 1780 | rBV4 | 1565 | 1221 | 0.11% | 0.010% |
| 34 | 6.884 | 1801 | 1802 | 1810 | rBV7 | 915 | 714 | 0.07% | 0.006% |

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Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 55 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** F9E12

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 | 6.955 | 1820 | 1824 | 1829 | rBV6 | 1746 | 1442 | 0.13% | 0.012% |
| 36 | 7.007 | 1829 | 1840 | 1860 | rBV | 160122 | 291587 | 26.56% | 2.451% |
| 37 | 7.154 | 1882 | 1886 | 1887 | rBV3 | 2657 | 1574 | 0.14% | 0.013% |
| 38 | 7.254 | 1910 | 1917 | 1923 | rBV5 | 4832 | 7262 | 0.66% | 0.061% |
| 39 | 7.338 | 1929 | 1943 | 1955 | rBV | 578527 | 992727 | 90.43% | 8.343% |
| 40 | 7.408 | 1956 | 1965 | 1983 | rVB | 495981 | 842927 | 76.78% | 7.084% |
| 41 | 7.640 | 2028 | 2037 | 2052 | rBV | 113080 | 188525 | 17.17% | 1.584% |
| 42 | 7.862 | 2097 | 2106 | 2109 | rBV9 | 3831 | 5561 | 0.51% | 0.047% |
| 43 | 7.916 | 2118 | 2123 | 2128 | rBV6 | 2043 | 2217 | 0.20% | 0.019% |
| 44 | 7.961 | 2133 | 2137 | 2139 | rBV4 | 1122 | 966 | 0.09% | 0.008% |
| 45 | 7.987 | 2142 | 2145 | 2146 | rBV3 | 1588 | 851 | 0.08% | 0.007% |
| 46 | 8.023 | 2153 | 2156 | 2161 | rBV6 | 938 | 799 | 0.07% | 0.007% |
| 47 | 8.106 | 2173 | 2182 | 2212 | rBV | 357655 | 671918 | 61.21% | 5.647% |
| 48 | 8.508 | 2305 | 2307 | 2310 | rBV4 | 938 | 683 | 0.06% | 0.006% |
| 49 | 8.781 | 2389 | 2392 | 2397 | rBV6 | 871 | 810 | 0.07% | 0.007% |
| 50 | 8.807 | 2397 | 2400 | 2403 | rBV4 | 1109 | 852 | 0.08% | 0.007% |
| 51 | 8.875 | 2406 | 2421 | 2433 | rBV | 653504 | 1065449 | 97.05% | 8.954% |
| 52 | 9.032 | 2460 | 2470 | 2486 | rBV | 311584 | 494162 | 45.01% | 4.153% |
| 53 | 9.408 | 2580 | 2587 | 2596 | rBV6 | 9639 | 14636 | 1.33% | 0.123% |
| 54 | 9.566 | 2629 | 2636 | 2656 | rVB2 | 46605 | 83839 | 7.64% | 0.705% |
| 55 | 9.669 | 2665 | 2668 | 2670 | rBV3 | 2289 | 1483 | 0.14% | 0.012% |
| 56 | 9.736 | 2682 | 2689 | 2703 | rVB3 | 4777 | 9498 | 0.87% | 0.080% |
| 57 | 9.801 | 2703 | 2709 | 2711 | rBV5 | 4340 | 4498 | 0.41% | 0.038% |
| 58 | 10.109 | 2795 | 2805 | 2814 | rBV5 | 4854 | 10213 | 0.93% | 0.086% |
| 59 | 10.238 | 2832 | 2845 | 2859 | rBV | 410762 | 650269 | 59.23% | 5.465% |
| 60 | 10.939 | 3057 | 3063 | 3073 | rVB2 | 20605 | 29721 | 2.71% | 0.250% |
| 61 | 11.270 | 3156 | 3166 | 3186 | rVB | 692261 | 1059307 | 96.49% | 8.903% |
| 62 | 11.360 | 3187 | 3194 | 3202 | rVB2 | 16688 | 24692 | 2.25% | 0.208% |
| 63 | 11.646 | 3272 | 3283 | 3301 | rBV | 661514 | 1028653 | 93.70% | 8.645% |
| 64 | 11.932 | 3369 | 3372 | 3374 | rBV3 | 1723 | 1177 | 0.11% | 0.010% |
| 65 | 12.006 | 3392 | 3395 | 3396 | rBV3 | 1674 | 757 | 0.07% | 0.006% |
| 66 | 12.038 | 3401 | 3405 | 3412 | rVB8 | 2591 | 3140 | 0.29% | 0.026% |
| 67 | 12.071 | 3412 | 3415 | 3416 | rBV3 | 1503 | 893 | 0.08% | 0.008% |
| 68 | 12.212 | 3456 | 3459 | 3462 | rBV3 | 1120 | 922 | 0.08% | 0.008% |
| 69 | 12.267 | 3468 | 3476 | 3479 | rBV7 | 2363 | 3008 | 0.27% | 0.025% |
| 70 | 12.305 | 3486 | 3488 | 3491 | rBV4 | 1396 | 941 | 0.09% | 0.008% |
| 71 | 12.489 | 3542 | 3545 | 3551 | rBV8 | 1663 | 2013 | 0.18% | 0.017% |

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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 | 12.559 | 3564 | 3567 | 3568 | rBV3 | 1841 | 1020 | 0.09% | 0.009% |
| 73 | 12.604 | 3578 | 3581 | 3586 | rBV6 | 1867 | 1657 | 0.15% | 0.014% |
| 74 | 12.903 | 3665 | 3674 | 3675 | rBV8 | 6206 | 5503 | 0.50% | 0.046% |
| 75 | 13.016 | 3707 | 3709 | 3714 | rVV3 | 1068 | 846 | 0.08% | 0.007% |
| 76 | 13.067 | 3722 | 3725 | 3726 | rBV3 | 1305 | 810 | 0.07% | 0.007% |
| 77 | 13.157 | 3750 | 3753 | 3758 | rVB6 | 1203 | 730 | 0.07% | 0.006% |
| 78 | 13.225 | 3768 | 3774 | 3776 | rBV6 | 1889 | 1963 | 0.18% | 0.016% |
| 79 | 13.386 | 3820 | 3824 | 3825 | rBV4 | 1394 | 680 | 0.06% | 0.006% |
| 80 | 13.444 | 3839 | 3842 | 3844 | rBV3 | 1036 | 733 | 0.07% | 0.006% |
| 81 | 13.527 | 3863 | 3868 | 3880 | rVB | 14906 | 23338 | 2.13% | 0.196% |
| 82 | 13.649 | 3902 | 3906 | 3907 | rBV3 | 2515 | 1781 | 0.16% | 0.015% |
| 83 | 13.736 | 3931 | 3933 | 3936 | rBV4 | 1248 | 852 | 0.08% | 0.007% |
| 84 | 13.759 | 3937 | 3940 | 3941 | rBV2 | 1755 | 1057 | 0.10% | 0.009% |
| 85 | 13.833 | 3960 | 3963 | 3965 | rBV3 | 1081 | 665 | 0.06% | 0.006% |
| 86 | 13.852 | 3967 | 3969 | 3972 | rVV4 | 1620 | 911 | 0.08% | 0.008% |
| 87 | 14.019 | 4016 | 4021 | 4023 | rBV4 | 1453 | 1139 | 0.10% | 0.010% |
| 88 | 14.061 | 4027 | 4034 | 4038 | rBV9 | 1973 | 2881 | 0.26% | 0.024% |
| 89 | 14.093 | 4041 | 4044 | 4046 | rBV3 | 1551 | 883 | 0.08% | 0.007% |
| 90 | 14.128 | 4052 | 4055 | 4058 | rVB3 | 1698 | 1027 | 0.09% | 0.009% |
| 91 | 14.199 | 4075 | 4077 | 4079 | rVB3 | 1940 | 798 | 0.07% | 0.007% |
| 92 | 14.222 | 4079 | 4084 | 4087 | rVB5 | 1419 | 1437 | 0.13% | 0.012% |
| 93 | 14.337 | 4118 | 4120 | 4124 | rBV5 | 854 | 773 | 0.07% | 0.006% |
| 94 | 14.511 | 4172 | 4174 | 4178 | rBV5 | 1190 | 744 | 0.07% | 0.006% |
| 95 | 14.913 | 4296 | 4299 | 4305 | rVB6 | 1878 | 1663 | 0.15% | 0.014% |
| 96 | 14.948 | 4306 | 4310 | 4311 | rBV4 | 1300 | 735 | 0.07% | 0.006% |
| 97 | 14.974 | 4315 | 4318 | 4320 | rBV3 | 1581 | 1085 | 0.10% | 0.009% |
| 98 | 15.099 | 4355 | 4357 | 4360 | rBV3 | 1032 | 759 | 0.07% | 0.006% |
| 99 | 15.138 | 4366 | 4369 | 4371 | rBV3 | 1456 | 1102 | 0.10% | 0.009% |
| 100 | 15.363 | 4435 | 4439 | 4442 | rBV5 | 1920 | 1924 | 0.18% | 0.016% |

Sum of corrected areas: 11898687

LSC Report - Integrated Chromatogram

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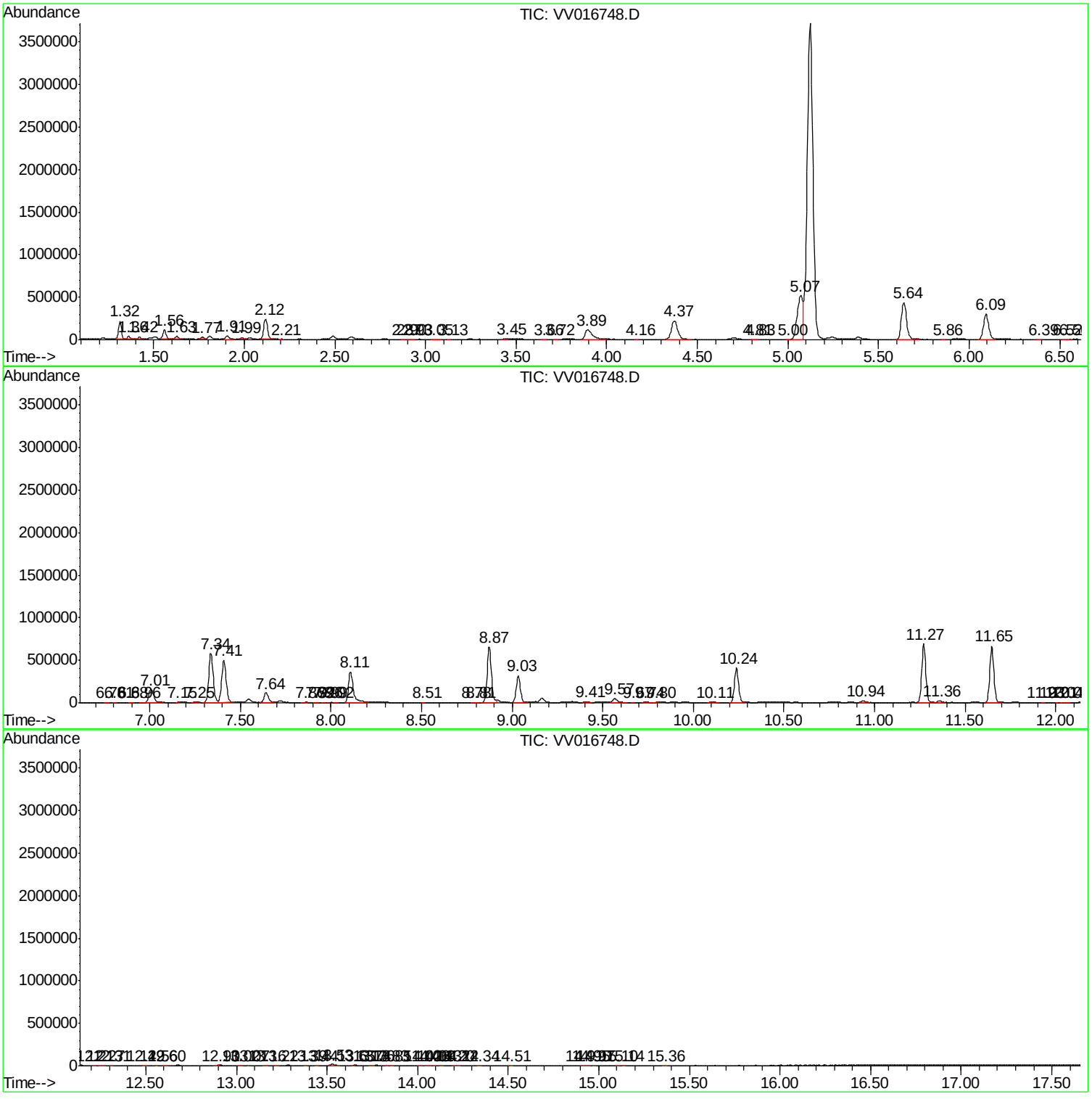
ALS Vial : 55 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** F9E12

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



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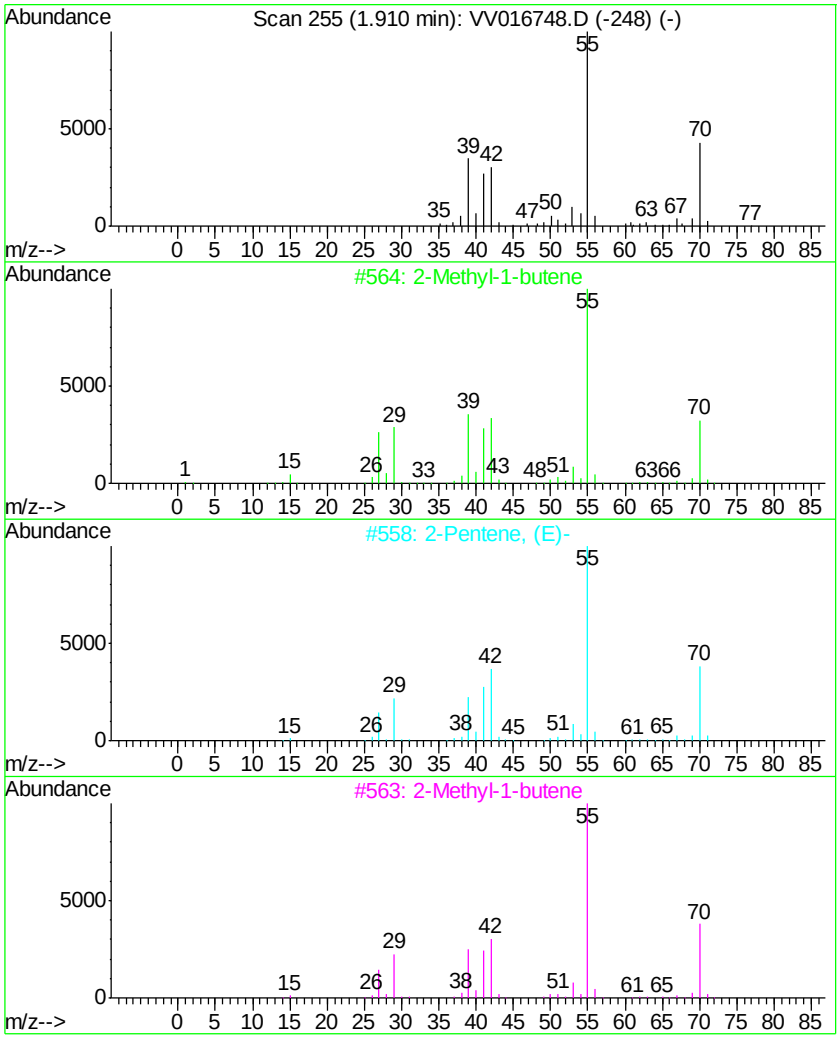
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis

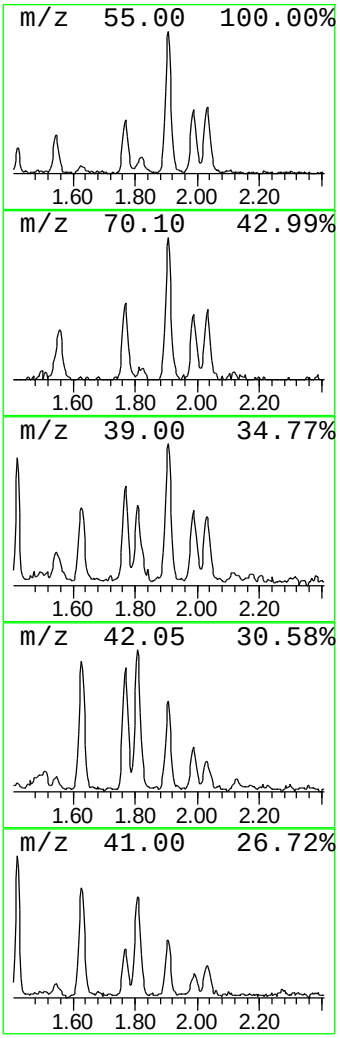
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.91 | 3.13 ug/L | 54016 | 1,4-Difluorobenzene | 5.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Methyl-1-butene | 70 | C5H10 | 000563-46-2 | 87 |
| 2 | 2-Pentene, (E)- | 70 | C5H10 | 000646-04-8 | 83 |
| 3 | 2-Methyl-1-butene | 70 | C5H10 | 000563-46-2 | 83 |
| 4 | 2-Butene, 2-methyl- | 70 | C5H10 | 000513-35-9 | 80 |
| 5 | Cyclopropane, 1,2-dimethyl-, cis- | 70 | C5H10 | 000930-18-7 | 80 |



Tentatively Identified Compound (LSC) summary

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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 |
| (DEL) Alkane: Str... | 1.91 | 3.1 | ug/L | 54016 | 1 | 5.64 | 863447 | 50.0 |