LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061220\
Data File : VV016888.D
Acq On : 12 Jun 2020 18:59
Operator : SY/MD
Sample : L2913-09 20X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** F9E49

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 | 1.312 | 61 | 69 | 78 | rBV | 228912 | 249836 | 19.25% | 2.172% |
| 2 | 1.364 | 80 | 85 | 92 | rVB | 39421 | 38245 | 2.95% | 0.332% |
| 3 | 1.422 | 99 | 103 | 109 | rVB | 35601 | 33201 | 2.56% | 0.289% |
| 4 | 1.563 | 141 | 147 | 160 | rVB | 123951 | 145062 | 11.18% | 1.261% |
| 5 | 1.631 | 162 | 168 | 178 | rVB2 | 35438 | 44016 | 3.39% | 0.383% |
| 6 | 1.907 | 248 | 254 | 264 | rVB | 27823 | 35859 | 2.76% | 0.312% |
| 7 | 2.116 | 310 | 319 | 333 | rBV | 262063 | 385811 | 29.73% | 3.354% |
| 8 | 2.367 | 395 | 397 | 400 | rVB4 | 2179 | 887 | 0.07% | 0.008% |
| 9 | 2.393 | 402 | 405 | 408 | rBV4 | 1981 | 1633 | 0.13% | 0.014% |
| 10 | 2.438 | 413 | 419 | 420 | rBV5 | 4232 | 3772 | 0.29% | 0.033% |
| 11 | 2.592 | 458 | 467 | 477 | rBV2 | 28946 | 49710 | 3.83% | 0.432% |
| 12 | 2.733 | 509 | 511 | 513 | rBV3 | 1556 | 762 | 0.06% | 0.007% |
| 13 | 2.881 | 555 | 557 | 560 | rBV3 | 1288 | 877 | 0.07% | 0.008% |
| 14 | 2.926 | 569 | 571 | 573 | rBV4 | 1737 | 977 | 0.08% | 0.008% |
| 15 | 3.023 | 598 | 601 | 602 | rBV3 | 1171 | 569 | 0.04% | 0.005% |
| 16 | 3.042 | 605 | 607 | 608 | rBV | 1250 | 483 | 0.04% | 0.004% |
| 17 | 3.126 | 631 | 633 | 635 | rVB2 | 936 | 444 | 0.03% | 0.004% |
| 18 | 3.142 | 635 | 638 | 640 | rBV3 | 827 | 487 | 0.04% | 0.004% |
| 19 | 3.168 | 642 | 646 | 652 | rVV7 | 2035 | 2409 | 0.19% | 0.021% |
| 20 | 3.216 | 657 | 661 | 663 | rBV5 | 1488 | 1232 | 0.09% | 0.011% |
| 21 | 3.344 | 699 | 701 | 704 | rBV4 | 1193 | 780 | 0.06% | 0.007% |
| 22 | 3.450 | 725 | 734 | 743 | rBV4 | 5713 | 12277 | 0.95% | 0.107% |
| 23 | 3.512 | 751 | 753 | 755 | rBV3 | 1493 | 682 | 0.05% | 0.006% |
| 24 | 3.582 | 773 | 775 | 777 | rBV3 | 969 | 431 | 0.03% | 0.004% |
| 25 | 3.724 | 816 | 819 | 821 | rBV3 | 1129 | 678 | 0.05% | 0.006% |
| 26 | 3.862 | 859 | 862 | 863 | rBV3 | 1631 | 952 | 0.07% | 0.008% |
| 27 | 3.897 | 863 | 873 | 903 | rVV | 107621 | 295185 | 22.75% | 2.566% |
| 28 | 4.257 | 983 | 985 | 986 | rBV2 | 1414 | 468 | 0.04% | 0.004% |
| 29 | 4.373 | 1008 | 1021 | 1042 | rVB | 225697 | 545811 | 42.06% | 4.744% |
| 30 | 4.589 | 1087 | 1088 | 1091 | rBV4 | 892 | 558 | 0.04% | 0.005% |
| 31 | 4.624 | 1097 | 1099 | 1103 | rBV5 | 1343 | 840 | 0.06% | 0.007% |
| 32 | 4.643 | 1103 | 1105 | 1109 | rBV5 | 1713 | 1154 | 0.09% | 0.010% |
| 33 | 4.663 | 1109 | 1111 | 1112 | rBV2 | 1690 | 736 | 0.06% | 0.006% |
| 34 | 4.749 | 1137 | 1138 | 1140 | rBV2 | 1106 | 440 | 0.03% | 0.004% |

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Sample : L2913-09 20X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** F9E49

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 | 4.791 | 1149 | 1151 | 1152 | rBV2 | 1170 | 523 | 0.04% | 0.005% |
| 36 | 4.862 | 1171 | 1173 | 1174 | rBV2 | 1165 | 384 | 0.03% | 0.003% |
| 37 | 4.888 | 1177 | 1181 | 1182 | rBV2 | 1281 | 867 | 0.07% | 0.008% |
| 38 | 4.904 | 1185 | 1186 | 1191 | rVB5 | 1892 | 782 | 0.06% | 0.007% |
| 39 | 4.981 | 1208 | 1210 | 1213 | rVB5 | 1440 | 556 | 0.04% | 0.005% |
| 40 | 5.071 | 1221 | 1238 | 1244 | rBV2 | 539212 | 1297688 | 100.00% | 11.280% |
| 41 | 5.640 | 1401 | 1415 | 1442 | rBV | 448547 | 896900 | 69.12% | 7.796% |
| 42 | 6.093 | 1540 | 1556 | 1578 | rBV | 311716 | 633529 | 48.82% | 5.507% |
| 43 | 6.370 | 1640 | 1642 | 1644 | rBV3 | 1391 | 797 | 0.06% | 0.007% |
| 44 | 6.460 | 1668 | 1670 | 1676 | rVB6 | 1162 | 726 | 0.06% | 0.006% |
| 45 | 6.672 | 1733 | 1736 | 1741 | rVB7 | 1794 | 1789 | 0.14% | 0.016% |
| 46 | 6.717 | 1748 | 1750 | 1752 | rVB3 | 1191 | 457 | 0.04% | 0.004% |
| 47 | 6.730 | 1752 | 1754 | 1755 | rBV2 | 1083 | 548 | 0.04% | 0.005% |
| 48 | 6.765 | 1762 | 1765 | 1767 | rBV2 | 1011 | 753 | 0.06% | 0.007% |
| 49 | 6.907 | 1807 | 1809 | 1812 | rVB3 | 946 | 403 | 0.03% | 0.004% |
| 50 | 7.007 | 1827 | 1840 | 1855 | rBV | 185153 | 329002 | 25.35% | 2.860% |
| 51 | 7.338 | 1931 | 1943 | 1957 | rBV | 638130 | 1084681 | 83.59% | 9.428% |
| 52 | 7.412 | 1959 | 1966 | 1984 | rVB | 85840 | 150227 | 11.58% | 1.306% |
| 53 | 7.640 | 2028 | 2037 | 2053 | rBV | 131290 | 213382 | 16.44% | 1.855% |
| 54 | 7.913 | 2119 | 2122 | 2124 | rVB4 | 1737 | 823 | 0.06% | 0.007% |
| 55 | 7.933 | 2124 | 2128 | 2130 | rBV4 | 2003 | 1416 | 0.11% | 0.012% |
| 56 | 8.106 | 2168 | 2182 | 2209 | rBV | 324090 | 628321 | 48.42% | 5.462% |
| 57 | 8.370 | 2262 | 2264 | 2268 | rBV4 | 1351 | 1103 | 0.08% | 0.010% |
| 58 | 8.402 | 2272 | 2274 | 2279 | rVB4 | 2076 | 1586 | 0.12% | 0.014% |
| 59 | 8.482 | 2295 | 2299 | 2300 | rBV4 | 1442 | 1062 | 0.08% | 0.009% |
| 60 | 8.585 | 2328 | 2331 | 2333 | rBV4 | 1506 | 1133 | 0.09% | 0.010% |
| 61 | 8.621 | 2340 | 2342 | 2344 | rBV3 | 1370 | 691 | 0.05% | 0.006% |
| 62 | 8.701 | 2365 | 2367 | 2368 | rBV2 | 1507 | 634 | 0.05% | 0.006% |
| 63 | 8.833 | 2402 | 2408 | 2409 | rBV6 | 1774 | 1802 | 0.14% | 0.016% |
| 64 | 8.871 | 2409 | 2420 | 2432 | rBV | 670722 | 1076258 | 82.94% | 9.355% |
| 65 | 9.032 | 2461 | 2470 | 2488 | rBV | 183552 | 286704 | 22.09% | 2.492% |
| 66 | 9.566 | 2629 | 2636 | 2652 | rVB | 61988 | 97007 | 7.48% | 0.843% |
| 67 | 10.074 | 2792 | 2794 | 2796 | rBV3 | 1664 | 818 | 0.06% | 0.007% |
| 68 | 10.154 | 2817 | 2819 | 2821 | rBV4 | 836 | 476 | 0.04% | 0.004% |
| 69 | 10.238 | 2835 | 2845 | 2858 | rVB | 400859 | 623446 | 48.04% | 5.419% |
| 70 | 10.624 | 2962 | 2965 | 2966 | rBV3 | 2310 | 1185 | 0.09% | 0.010% |
| 71 | 10.659 | 2973 | 2976 | 2977 | rBV3 | 1424 | 821 | 0.06% | 0.007% |

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Sample : L2913-09 20X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** F9E49

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 | 10.939 | 3055 | 3063 | 3071 | rBV | 21184 | 32891 | 2.53% | 0.286% |
| 73 | 11.270 | 3154 | 3166 | 3180 | rBV | 694997 | 1070902 | 82.52% | 9.309% |
| 74 | 11.553 | 3247 | 3254 | 3265 | rVB2 | 23946 | 37080 | 2.86% | 0.322% |
| 75 | 11.646 | 3272 | 3283 | 3305 | rVB | 702134 | 1097384 | 84.56% | 9.539% |
| 76 | 12.219 | 3457 | 3461 | 3462 | rBV2 | 1985 | 959 | 0.07% | 0.008% |
| 77 | 12.386 | 3508 | 3513 | 3516 | rBV5 | 2123 | 2015 | 0.16% | 0.018% |
| 78 | 12.492 | 3541 | 3546 | 3548 | rBV5 | 2020 | 1784 | 0.14% | 0.016% |
| 79 | 12.707 | 3611 | 3613 | 3615 | rBV3 | 1132 | 539 | 0.04% | 0.005% |
| 80 | 12.768 | 3629 | 3632 | 3635 | rBV4 | 1937 | 1502 | 0.12% | 0.013% |
| 81 | 12.878 | 3659 | 3666 | 3667 | rBV7 | 2081 | 1770 | 0.14% | 0.015% |
| 82 | 13.032 | 3709 | 3714 | 3716 | rBV6 | 1691 | 1387 | 0.11% | 0.012% |
| 83 | 13.148 | 3747 | 3750 | 3752 | rBV3 | 2045 | 1429 | 0.11% | 0.012% |
| 84 | 13.354 | 3812 | 3814 | 3815 | rBV2 | 1265 | 559 | 0.04% | 0.005% |
| 85 | 13.527 | 3859 | 3868 | 3879 | rBV | 16950 | 30857 | 2.38% | 0.268% |
| 86 | 13.752 | 3934 | 3938 | 3939 | rBV3 | 1139 | 733 | 0.06% | 0.006% |
| 87 | 13.826 | 3958 | 3961 | 3965 | rVB4 | 1703 | 1368 | 0.11% | 0.012% |
| 88 | 13.897 | 3981 | 3983 | 3987 | rBV5 | 1308 | 1201 | 0.09% | 0.010% |
| 89 | 13.952 | 3998 | 4000 | 4002 | rBV3 | 1319 | 744 | 0.06% | 0.006% |
| 90 | 14.029 | 4021 | 4024 | 4026 | rBV3 | 788 | 434 | 0.03% | 0.004% |
| 91 | 14.051 | 4029 | 4031 | 4034 | rVV3 | 1650 | 691 | 0.05% | 0.006% |
| 92 | 14.257 | 4091 | 4095 | 4096 | rBV3 | 1965 | 1114 | 0.09% | 0.010% |
| 93 | 14.286 | 4102 | 4104 | 4105 | rBV2 | 1666 | 808 | 0.06% | 0.007% |
| 94 | 14.386 | 4131 | 4135 | 4139 | rBV7 | 1457 | 1643 | 0.13% | 0.014% |
| 95 | 14.511 | 4172 | 4174 | 4175 | rBV2 | 1104 | 480 | 0.04% | 0.004% |
| 96 | 14.720 | 4234 | 4239 | 4242 | rBV6 | 2354 | 2021 | 0.16% | 0.018% |
| 97 | 14.743 | 4244 | 4246 | 4248 | rBV2 | 1201 | 780 | 0.06% | 0.007% |
| 98 | 14.755 | 4248 | 4250 | 4253 | rVV3 | 1827 | 919 | 0.07% | 0.008% |
| 99 | 14.849 | 4267 | 4279 | 4287 | rBV3 | 6000 | 12930 | 1.00% | 0.112% |
| 100 | 15.087 | 4351 | 4353 | 4359 | rBV6 | 1483 | 1053 | 0.08% | 0.009% |

Sum of corrected areas: 11504521

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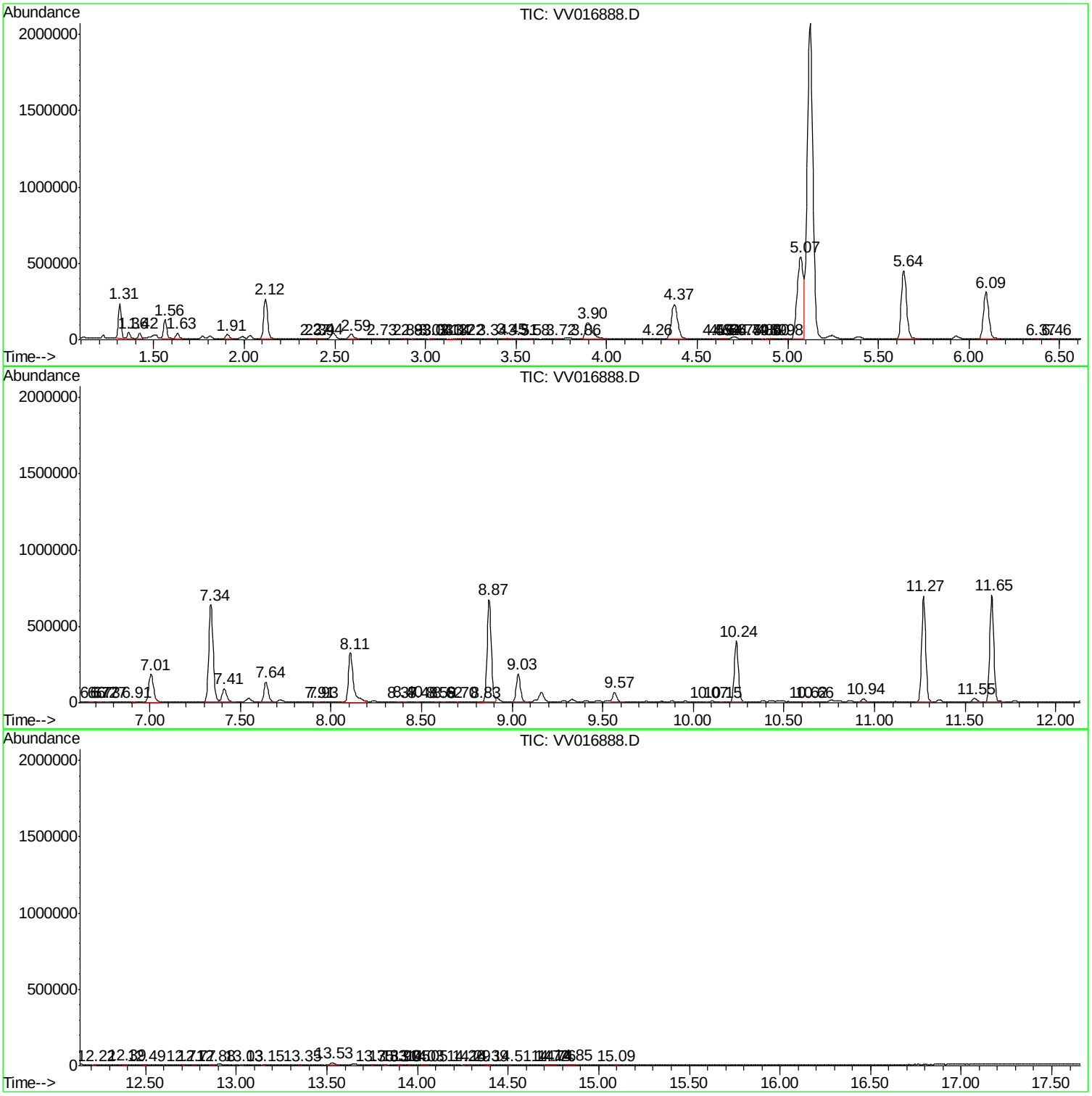
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
F9E49

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061220\
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ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** F9E49

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

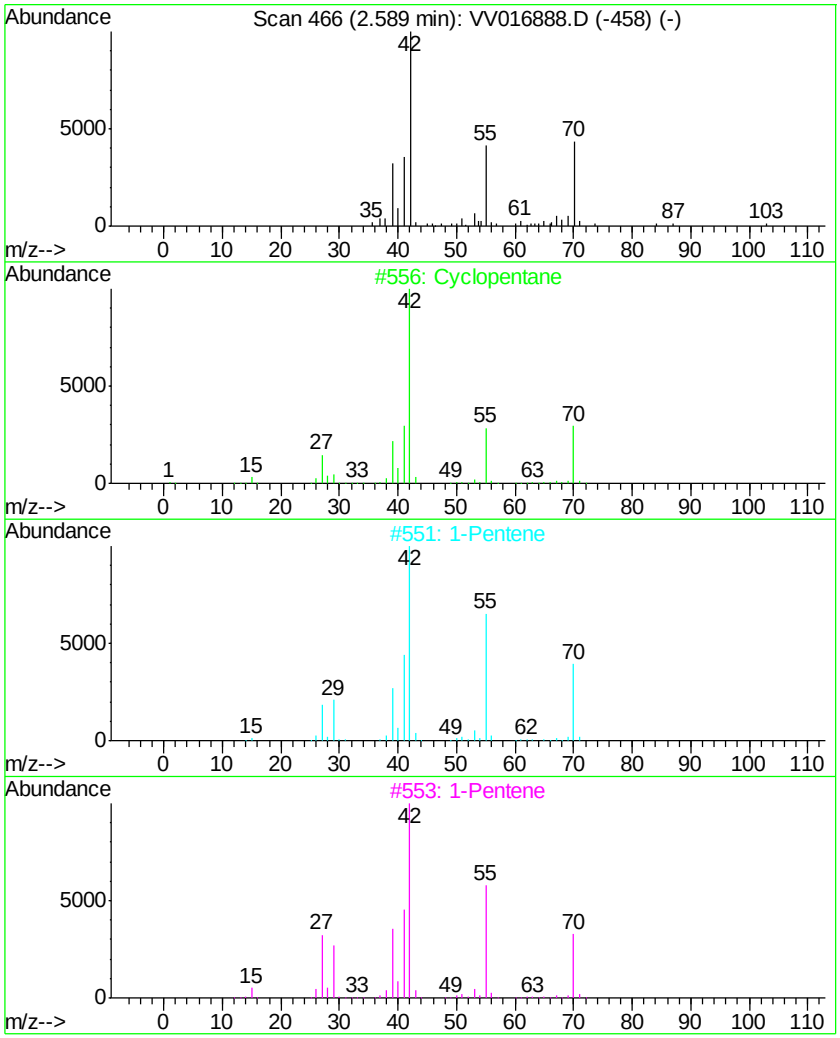
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

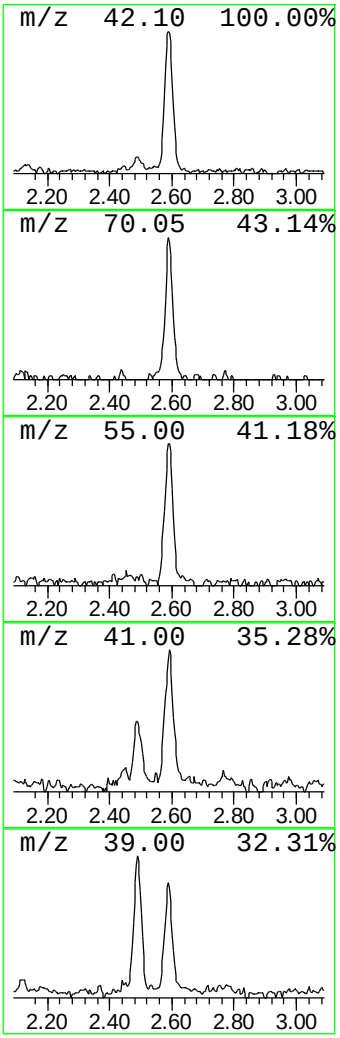
**********

Peak Number 1 (DEL) Alkane: Cyclic2.59 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.59 | 2.77 ug/L | 49710 | 1,4-Difluorobenzene | 5.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane | 70 | C5H10 | 000287-92-3 | 80 |
| 2 | 1-Pentene | 70 | C5H10 | 000109-67-1 | 64 |
| 3 | 1-Pentene | 70 | C5H10 | 000109-67-1 | 64 |
| 4 | Cyclopentane | 70 | C5H10 | 000287-92-3 | 56 |
| 5 | Cyclopropane, ethyl- | 70 | C5H10 | 001191-96-4 | 53 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061220\
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**Instrument :** MSVOA_V
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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: Cyc... | 2.59 | 2.8 | ug/L | 49710 | 1 | 5.64 | 896900 | 50.0 |