LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081522\
Data File : VX030622.D
Acq On : 15 Aug 2022 12:51
Operator : JC/MD
Sample : N4168-14
Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
EX9C1

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_X\Method\SFAMXLM080422WMA.M
Title : VOC Analysis

Signal : TIC: VX030622.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.142 | 6 | 9 | 13 | rVB | 6059 | 5942 | 0.49% | 0.068% |
| 2 | 1.368 | 42 | 46 | 56 | rVB | 99389 | 152120 | 12.47% | 1.734% |
| 3 | 1.612 | 83 | 86 | 87 | rBV2 | 2741 | 3080 | 0.25% | 0.035% |
| 4 | 1.672 | 91 | 96 | 105 | rVV | 57348 | 111325 | 9.13% | 1.269% |
| 5 | 2.270 | 188 | 194 | 211 | rVB | 243547 | 404576 | 33.16% | 4.613% |
| 6 | 2.666 | 257 | 259 | 261 | rVB2 | 688 | 595 | 0.05% | 0.007% |
| 7 | 2.703 | 263 | 265 | 268 | rBV | 562 | 866 | 0.07% | 0.010% |
| 8 | 2.837 | 281 | 287 | 297 | rVB | 19137 | 39361 | 3.23% | 0.449% |
| 9 | 2.947 | 297 | 305 | 318 | rBV2 | 9881 | 28148 | 2.31% | 0.321% |
| 10 | 3.197 | 344 | 346 | 348 | rBV2 | 587 | 526 | 0.04% | 0.006% |
| 11 | 3.355 | 370 | 372 | 374 | rBV | 819 | 649 | 0.05% | 0.007% |
| 12 | 3.410 | 378 | 381 | 382 | rBV3 | 831 | 1033 | 0.08% | 0.012% |
| 13 | 3.727 | 431 | 433 | 438 | rVB2 | 394 | 554 | 0.05% | 0.006% |
| 14 | 3.788 | 442 | 443 | 448 | rBV3 | 650 | 924 | 0.08% | 0.011% |
| 15 | 3.831 | 448 | 450 | 453 | rBV2 | 420 | 486 | 0.04% | 0.006% |
| 16 | 3.989 | 474 | 476 | 482 | rBV2 | 510 | 787 | 0.06% | 0.009% |
| 17 | 4.288 | 523 | 525 | 527 | rVB2 | 525 | 453 | 0.04% | 0.005% |
| 18 | 4.519 | 551 | 563 | 590 | rBV2 | 42562 | 229650 | 18.82% | 2.618% |
| 19 | 4.922 | 628 | 629 | 631 | rVB2 | 787 | 464 | 0.04% | 0.005% |
| 20 | 4.940 | 631 | 632 | 634 | rBV | 562 | 564 | 0.05% | 0.006% |
| 21 | 5.056 | 640 | 651 | 668 | rVB | 156766 | 486249 | 39.86% | 5.544% |
| 22 | 5.550 | 725 | 732 | 742 | rVV3 | 1688 | 4118 | 0.34% | 0.047% |
| 23 | 5.964 | 787 | 800 | 817 | rBV2 | 438369 | 1219951 | 100.00% | 13.909% |
| 24 | 6.355 | 862 | 864 | 865 | rBV | 765 | 516 | 0.04% | 0.006% |
| 25 | 6.379 | 865 | 868 | 869 | rBV2 | 925 | 1052 | 0.09% | 0.012% |
| 26 | 6.763 | 921 | 931 | 948 | rBV | 294894 | 716528 | 58.73% | 8.170% |
| 27 | 7.111 | 979 | 988 | 998 | rBV5 | 7971 | 19878 | 1.63% | 0.227% |
| 28 | 7.226 | 998 | 1007 | 1012 | rBV2 | 3026 | 7489 | 0.61% | 0.085% |
| 29 | 7.312 | 1012 | 1021 | 1034 | rVB | 248524 | 547067 | 44.84% | 6.237% |
| 30 | 7.470 | 1045 | 1047 | 1048 | rBV | 1008 | 619 | 0.05% | 0.007% |
| 31 | 7.488 | 1048 | 1050 | 1054 | rVV2 | 694 | 983 | 0.08% | 0.011% |
| 32 | 7.702 | 1082 | 1085 | 1089 | rVB3 | 486 | 698 | 0.06% | 0.008% |
| 33 | 7.751 | 1089 | 1093 | 1096 | rBV3 | 489 | 645 | 0.05% | 0.007% |
| 34 | 7.964 | 1121 | 1128 | 1138 | rVB7 | 2373 | 6445 | 0.53% | 0.073% |
| 35 | 8.031 | 1138 | 1139 | 1141 | rBV | 589 | 520 | 0.04% | 0.006% |
| 36 | 8.055 | 1141 | 1143 | 1145 | rVB2 | 653 | 657 | 0.05% | 0.007% |

LSC Area Percent Report

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Sample : N4168-14
Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
EX9C1

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_X\Method\SFAMXLM080422WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 8.129 | 1153 | 1155 | 1157 | rBV2 | 874 | 918 | 0.08% | 0.010% |
| 38 | 8.147 | 1157 | 1158 | 1167 | rVB3 | 1614 | 3029 | 0.25% | 0.035% |
| 39 | 8.324 | 1181 | 1187 | 1197 | rBV | 158721 | 270919 | 22.21% | 3.089% |
| 40 | 8.647 | 1233 | 1240 | 1250 | rBV | 599494 | 967345 | 79.29% | 11.029% |
| 41 | 8.866 | 1273 | 1276 | 1279 | rBV2 | 1070 | 1684 | 0.14% | 0.019% |
| 42 | 8.915 | 1279 | 1284 | 1285 | rVV4 | 3055 | 4856 | 0.40% | 0.055% |
| 43 | 8.952 | 1285 | 1290 | 1301 | rVB | 116400 | 176747 | 14.49% | 2.015% |
| 44 | 9.116 | 1315 | 1317 | 1322 | rBV4 | 651 | 1004 | 0.08% | 0.011% |
| 45 | 9.232 | 1334 | 1336 | 1341 | rBV3 | 399 | 596 | 0.05% | 0.007% |
| 46 | 9.281 | 1341 | 1344 | 1345 | rBV2 | 735 | 599 | 0.05% | 0.007% |
| 47 | 9.403 | 1357 | 1364 | 1380 | rBV | 171363 | 498485 | 40.86% | 5.683% |
| 48 | 9.732 | 1416 | 1418 | 1423 | rVB2 | 1672 | 1679 | 0.14% | 0.019% |
| 49 | 9.860 | 1435 | 1439 | 1442 | rBV5 | 1679 | 2206 | 0.18% | 0.025% |
| 50 | 10.055 | 1465 | 1471 | 1483 | rBV | 577830 | 808224 | 66.25% | 9.215% |
| 51 | 10.195 | 1491 | 1494 | 1498 | rBV4 | 746 | 1023 | 0.08% | 0.012% |
| 52 | 10.305 | 1507 | 1512 | 1515 | rBV5 | 1232 | 2181 | 0.18% | 0.025% |
| 53 | 10.640 | 1566 | 1567 | 1572 | rVV3 | 757 | 1134 | 0.09% | 0.013% |
| 54 | 10.835 | 1598 | 1599 | 1604 | rVB2 | 568 | 582 | 0.05% | 0.007% |
| 55 | 10.951 | 1612 | 1618 | 1623 | rVB5 | 2255 | 3473 | 0.28% | 0.040% |
| 56 | 11.201 | 1653 | 1659 | 1666 | rBV | 329450 | 469128 | 38.45% | 5.349% |
| 57 | 11.317 | 1674 | 1678 | 1683 | rVB5 | 2751 | 3866 | 0.32% | 0.044% |
| 58 | 11.360 | 1683 | 1685 | 1687 | rVB2 | 573 | 422 | 0.03% | 0.005% |
| 59 | 11.396 | 1687 | 1691 | 1693 | rBV2 | 586 | 942 | 0.08% | 0.011% |
| 60 | 11.415 | 1693 | 1694 | 1697 | rBV | 473 | 441 | 0.04% | 0.005% |
| 61 | 11.482 | 1701 | 1705 | 1710 | rBV2 | 4676 | 7203 | 0.59% | 0.082% |
| 62 | 11.756 | 1748 | 1750 | 1757 | rVB4 | 839 | 1286 | 0.11% | 0.015% |
| 63 | 11.884 | 1764 | 1771 | 1773 | rBV3 | 1051 | 1631 | 0.13% | 0.019% |
| 64 | 11.933 | 1775 | 1779 | 1780 | rBV2 | 553 | 598 | 0.05% | 0.007% |
| 65 | 12.024 | 1789 | 1794 | 1806 | rBV | 552224 | 734096 | 60.17% | 8.370% |
| 66 | 12.232 | 1824 | 1828 | 1831 | rBV3 | 2147 | 3402 | 0.28% | 0.039% |
| 67 | 12.323 | 1838 | 1843 | 1853 | rBV | 597576 | 729011 | 59.76% | 8.312% |
| 68 | 12.512 | 1872 | 1874 | 1877 | rBV4 | 853 | 691 | 0.06% | 0.008% |
| 69 | 12.585 | 1882 | 1886 | 1888 | rBV5 | 1103 | 1736 | 0.14% | 0.020% |
| 70 | 12.762 | 1907 | 1915 | 1920 | rVV | 6228 | 10662 | 0.87% | 0.122% |
| 71 | 12.859 | 1929 | 1931 | 1935 | rVB2 | 1155 | 1250 | 0.10% | 0.014% |
| 72 | 12.939 | 1943 | 1944 | 1948 | rVB3 | 592 | 482 | 0.04% | 0.005% |
| 73 | 13.103 | 1966 | 1971 | 1976 | rBV | 9754 | 13191 | 1.08% | 0.150% |
| 74 | 13.164 | 1979 | 1981 | 1983 | rBV2 | 419 | 443 | 0.04% | 0.005% |
| 75 | 13.244 | 1991 | 1994 | 1995 | rBV3 | 845 | 749 | 0.06% | 0.009% |
| 76 | 13.268 | 1995 | 1998 | 2004 | rVV3 | 2172 | 3094 | 0.25% | 0.035% |

LSC Area Percent Report

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Data File : VX030622.D
Acq On : 15 Aug 2022 12:51
Operator : JC/MD
Sample : N4168-14
Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
EX9C1

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_X\Method\SFAMXLM080422WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 13.323 | 2004 | 2007 | 2008 | rVB2 | 691 | 601 | 0.05% | 0.007% |
| 78 | 13.451 | 2026 | 2028 | 2031 | rVB3 | 527 | 588 | 0.05% | 0.007% |
| 79 | 13.487 | 2031 | 2034 | 2036 | rBV2 | 843 | 1011 | 0.08% | 0.012% |
| 80 | 13.719 | 2070 | 2072 | 2075 | rBV2 | 772 | 703 | 0.06% | 0.008% |
| 81 | 13.762 | 2075 | 2079 | 2080 | rBV3 | 818 | 1061 | 0.09% | 0.012% |
| 82 | 13.798 | 2081 | 2085 | 2089 | rVV4 | 3907 | 5338 | 0.44% | 0.061% |
| 83 | 13.890 | 2097 | 2100 | 2103 | rBV2 | 454 | 645 | 0.05% | 0.007% |
| 84 | 13.926 | 2103 | 2106 | 2109 | rBV3 | 1991 | 2606 | 0.21% | 0.030% |
| 85 | 13.987 | 2114 | 2116 | 2120 | rBV2 | 644 | 1222 | 0.10% | 0.014% |
| 86 | 14.073 | 2127 | 2130 | 2131 | rBV2 | 419 | 455 | 0.04% | 0.005% |
| 87 | 14.134 | 2136 | 2140 | 2147 | rVB | 6330 | 8959 | 0.73% | 0.102% |
| 88 | 14.262 | 2156 | 2161 | 2164 | rBV3 | 2420 | 3456 | 0.28% | 0.039% |
| 89 | 14.323 | 2170 | 2171 | 2177 | rBV5 | 1300 | 1872 | 0.15% | 0.021% |
| 90 | 14.378 | 2177 | 2180 | 2183 | rBV4 | 1280 | 1509 | 0.12% | 0.017% |
| 91 | 14.627 | 2219 | 2221 | 2223 | rVB3 | 579 | 488 | 0.04% | 0.006% |
| 92 | 14.755 | 2240 | 2242 | 2246 | rBV3 | 1515 | 1527 | 0.13% | 0.017% |
| 93 | 14.920 | 2268 | 2269 | 2271 | rBV | 745 | 738 | 0.06% | 0.008% |
| 94 | 15.524 | 2365 | 2368 | 2372 | rVB4 | 2184 | 2977 | 0.24% | 0.034% |
| 95 | 15.810 | 2413 | 2415 | 2417 | rBV3 | 1121 | 1175 | 0.10% | 0.013% |
| 96 | 15.896 | 2425 | 2429 | 2433 | rVB5 | 3352 | 4708 | 0.39% | 0.054% |
| 97 | 16.200 | 2478 | 2479 | 2482 | rVB2 | 935 | 501 | 0.04% | 0.006% |
| 98 | 16.328 | 2499 | 2500 | 2504 | rBV3 | 949 | 848 | 0.07% | 0.010% |
| 99 | 16.469 | 2521 | 2523 | 2524 | rBV2 | 756 | 673 | 0.06% | 0.008% |
| 100 | 16.633 | 2549 | 2550 | 2552 | rBV2 | 627 | 565 | 0.05% | 0.006% |

Sum of corrected areas: 8770752

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Data File : VX030622.D
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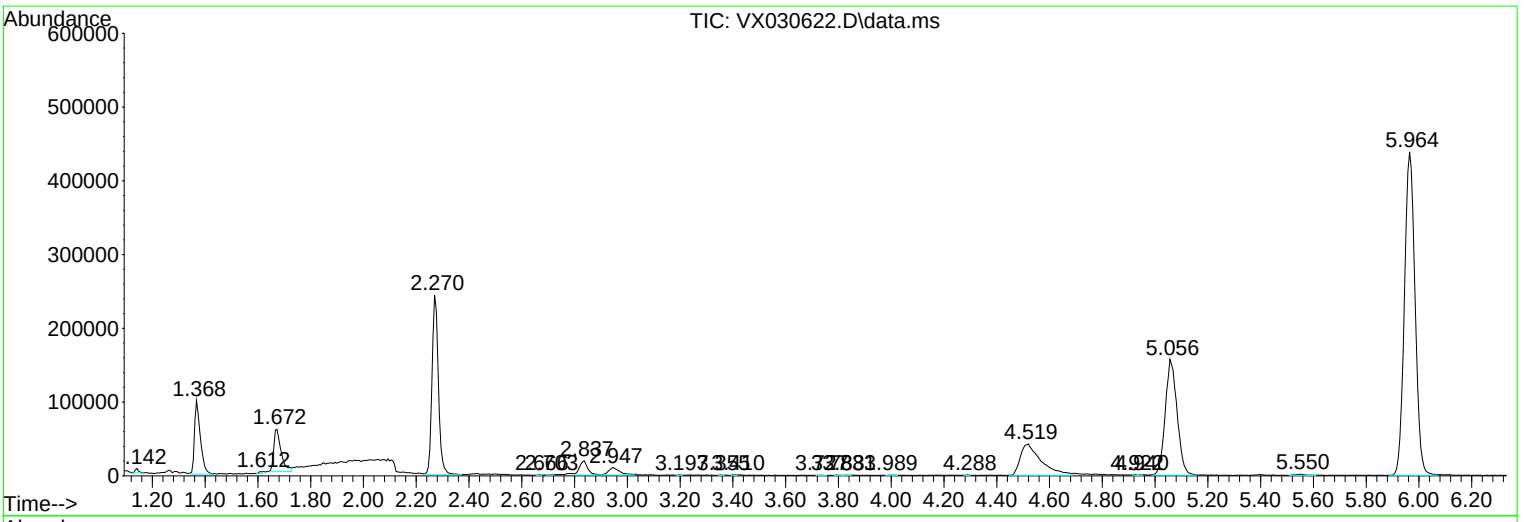
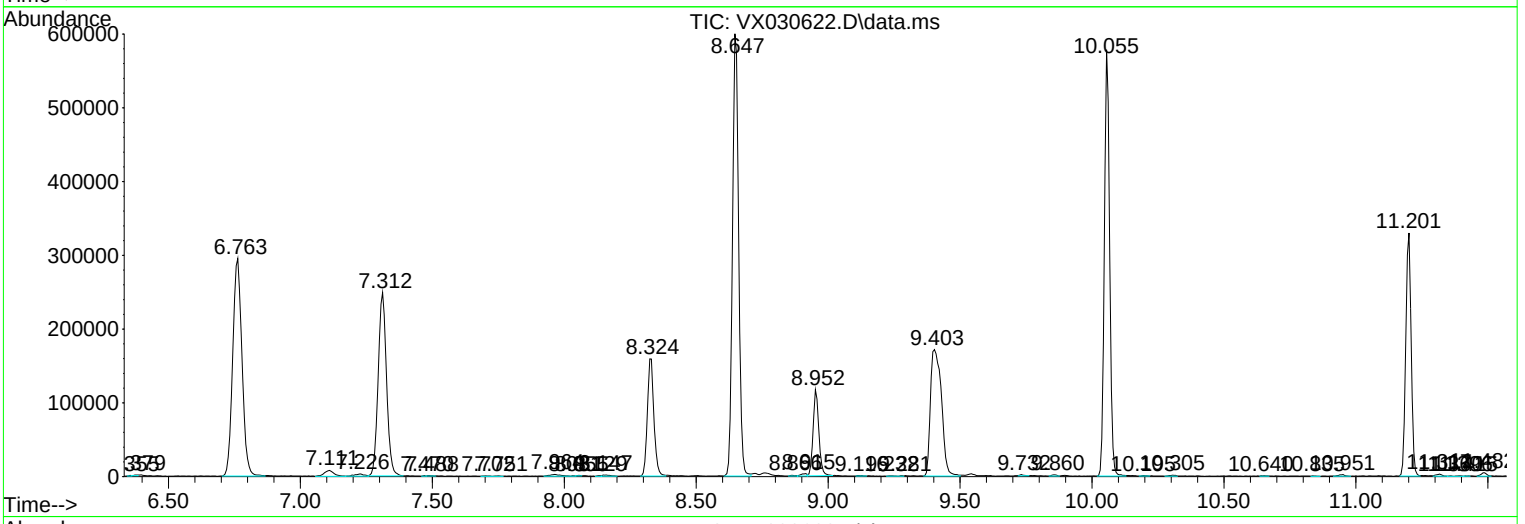
Operator : JC/MD
Sample : N4168-14
Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 6 Sample Multiplier: 1

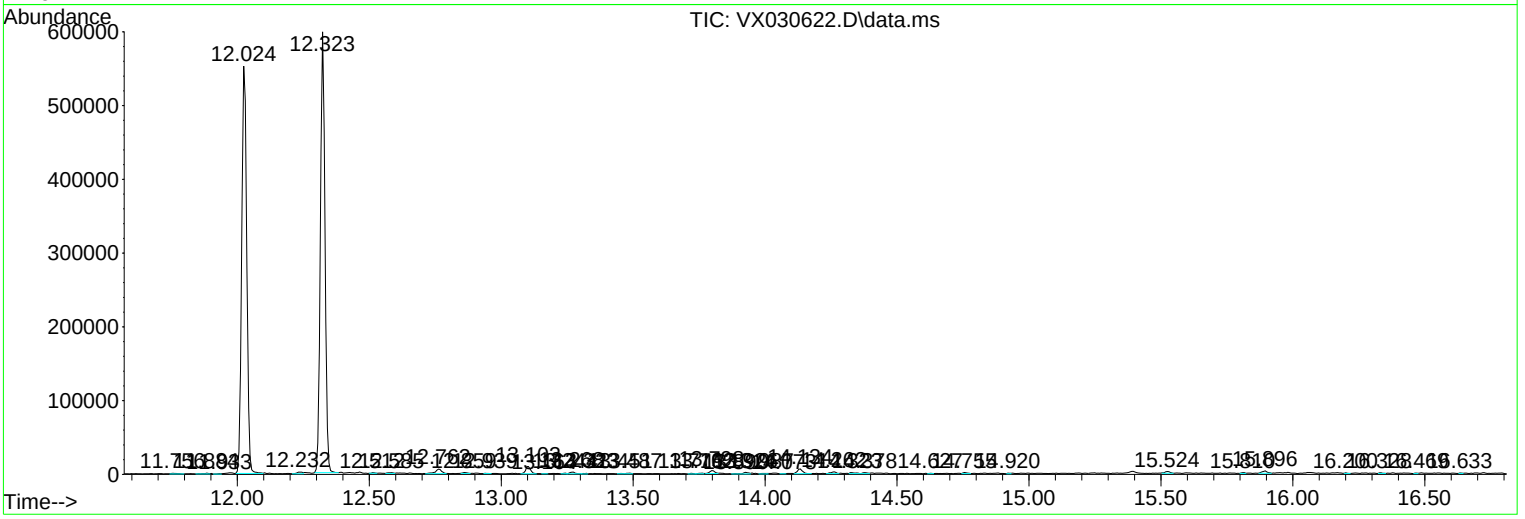
**Instrument :**
MSVOA_X
**ClientSampleId :**
EX9C1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM080422WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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Data File : VX030622.D
Acq On : 15 Aug 2022 12:51
Operator : JC/MD
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Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
EX9C1

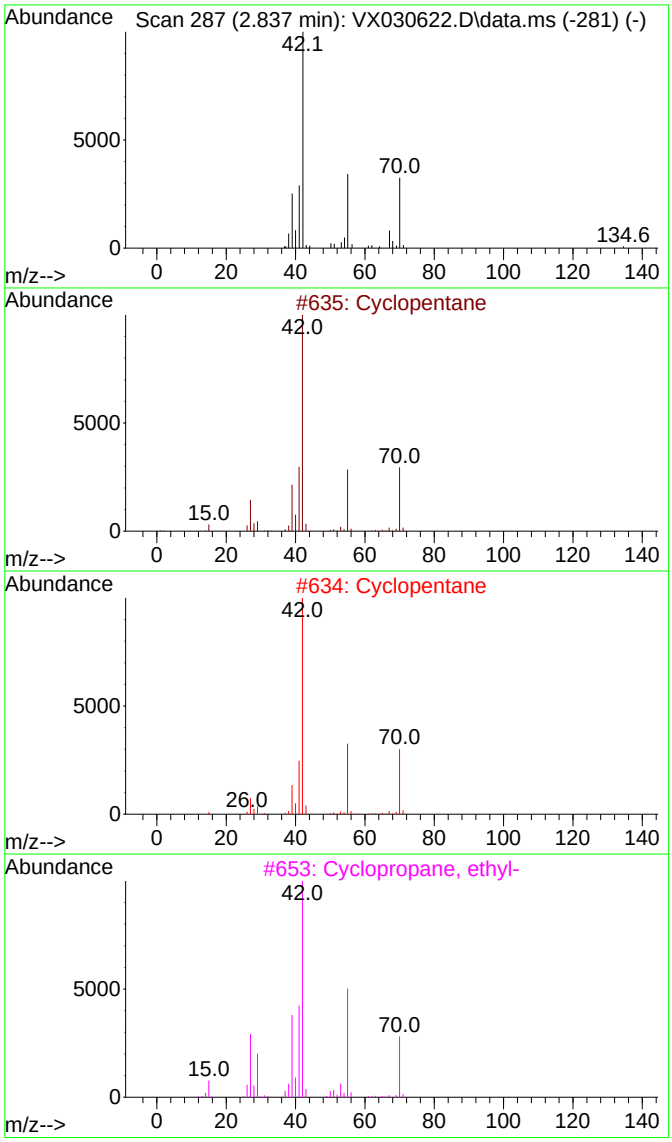
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM080422WMA.M
Quant Title : VOC Analysis

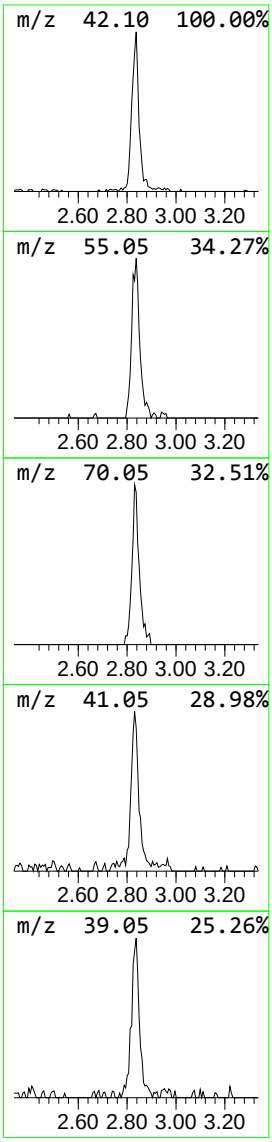
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 (DEL) Alkane: Cyclic2.837 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.837 | 2.75 ug/L | 39361 | 1,4-Difluorobenzene | 6.763 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane | 70 | C5H10 | 000287-92-3 | 80 |
| 2 | Cyclopentane | 70 | C5H10 | 000287-92-3 | 72 |
| 3 | Cyclopropane, ethyl- | 70 | C5H10 | 001191-96-4 | 72 |
| 4 | Cyclopentane | 70 | C5H10 | 000287-92-3 | 64 |
| 5 | Cyclobutane, methyl- | 70 | C5H10 | 000598-61-8 | 53 |



Tentatively Identified Compound (LSC) summary

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Data File : VX030622.D
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Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
EX9C1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM080422WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| (DEL) Alkane: C... | 2.837 | 2.8 | ug/L | 39361 | 1 | 6.763 | 716528 | 50.0 |