LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120721\
Data File : VX025580.D
Acq On : 07 Dec 2021 15:30
Operator : JC/MD
Sample : M4883-04ME
Misc : 4.67g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
EW9G0ME

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\SFAMXLM112221WMA.M
Title : VOC Analysis

Signal : TIC: VX025580.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.246 | 22 | 26 | 28 | rBV | 4196 | 6316 | 1.85% | 0.206% |
| 2 | 1.368 | 43 | 46 | 55 | rVB | 36323 | 40734 | 11.93% | 1.331% |
| 3 | 1.648 | 89 | 92 | 99 | rVB | 20908 | 24376 | 7.14% | 0.796% |
| 4 | 2.282 | 189 | 196 | 206 | rBV | 65906 | 110480 | 32.36% | 3.609% |
| 5 | 2.953 | 298 | 306 | 318 | rBV | 7667 | 21131 | 6.19% | 0.690% |
| 6 | 3.422 | 378 | 383 | 389 | rVB3 | 514 | 1113 | 0.33% | 0.036% |
| 7 | 4.288 | 517 | 525 | 535 | rVV5 | 2159 | 5771 | 1.69% | 0.189% |
| 8 | 4.495 | 548 | 559 | 592 | rBV | 15077 | 72074 | 21.11% | 2.354% |
| 9 | 4.721 | 592 | 596 | 597 | rBV2 | 359 | 472 | 0.14% | 0.015% |
| 10 | 5.068 | 640 | 653 | 669 | rBV | 39666 | 135955 | 39.82% | 4.441% |
| 11 | 5.471 | 709 | 719 | 727 | rVB5 | 1997 | 5986 | 1.75% | 0.196% |
| 12 | 5.812 | 770 | 775 | 783 | rVB3 | 496 | 1141 | 0.33% | 0.037% |
| 13 | 5.971 | 789 | 801 | 824 | rBV2 | 117922 | 341398 | 100.00% | 11.152% |
| 14 | 6.141 | 824 | 829 | 839 | rVV6 | 1051 | 2738 | 0.80% | 0.089% |
| 15 | 6.251 | 842 | 847 | 854 | rVB4 | 911 | 2063 | 0.60% | 0.067% |
| 16 | 6.361 | 854 | 865 | 880 | rBV5 | 3202 | 11742 | 3.44% | 0.384% |
| 17 | 6.611 | 899 | 906 | 909 | rVB5 | 461 | 865 | 0.25% | 0.028% |
| 18 | 6.763 | 921 | 931 | 947 | rBV | 89670 | 229349 | 67.18% | 7.492% |
| 19 | 7.123 | 982 | 990 | 1001 | rBV | 69843 | 158682 | 46.48% | 5.183% |
| 20 | 7.312 | 1013 | 1021 | 1028 | rBV | 65381 | 152268 | 44.60% | 4.974% |
| 21 | 7.653 | 1072 | 1077 | 1082 | rVB4 | 933 | 1438 | 0.42% | 0.047% |
| 22 | 7.769 | 1091 | 1096 | 1101 | rVB3 | 1048 | 1602 | 0.47% | 0.052% |
| 23 | 7.952 | 1121 | 1126 | 1131 | rVB4 | 1376 | 2621 | 0.77% | 0.086% |
| 24 | 8.275 | 1174 | 1179 | 1182 | rBV3 | 719 | 1185 | 0.35% | 0.039% |
| 25 | 8.330 | 1182 | 1188 | 1197 | rVB | 34783 | 63144 | 18.50% | 2.063% |
| 26 | 8.598 | 1227 | 1232 | 1233 | rBV3 | 1804 | 2308 | 0.68% | 0.075% |
| 27 | 8.653 | 1234 | 1241 | 1248 | rVV | 168410 | 279221 | 81.79% | 9.121% |
| 28 | 8.720 | 1248 | 1252 | 1258 | rVB | 13729 | 21166 | 6.20% | 0.691% |
| 29 | 8.848 | 1270 | 1273 | 1277 | rVB3 | 1088 | 1419 | 0.42% | 0.046% |
| 30 | 8.915 | 1280 | 1284 | 1286 | rBV3 | 732 | 900 | 0.26% | 0.029% |
| 31 | 8.958 | 1286 | 1291 | 1299 | rVV | 22739 | 41871 | 12.26% | 1.368% |
| 32 | 9.104 | 1311 | 1315 | 1319 | rBV3 | 580 | 834 | 0.24% | 0.027% |
| 33 | 9.275 | 1338 | 1343 | 1349 | rVB | 10759 | 16092 | 4.71% | 0.526% |
| 34 | 9.403 | 1357 | 1364 | 1375 | rBV | 92220 | 155771 | 45.63% | 5.088% |
| 35 | 9.561 | 1386 | 1390 | 1396 | rVB2 | 2856 | 3910 | 1.15% | 0.128% |
| 36 | 9.616 | 1396 | 1399 | 1404 | rBV2 | 2053 | 3342 | 0.98% | 0.109% |

LSC Area Percent Report

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Sample : M4883-04ME
Misc : 4.67g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
EW9G0ME

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\SFAMXLM112221WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 9.708 | 1412 | 1414 | 1419 | rVB2 | 540 | 805 | 0.24% | 0.026% |
| 38 | 9.763 | 1419 | 1423 | 1427 | rBB3 | 313 | 384 | 0.11% | 0.013% |
| 39 | 9.830 | 1428 | 1434 | 1438 | rVB3 | 977 | 1797 | 0.53% | 0.059% |
| 40 | 10.061 | 1466 | 1472 | 1479 | rBV | 175743 | 266488 | 78.06% | 8.705% |
| 41 | 10.195 | 1490 | 1494 | 1502 | rVB | 3684 | 4730 | 1.39% | 0.155% |
| 42 | 10.305 | 1502 | 1512 | 1517 | rBV | 11499 | 16980 | 4.97% | 0.555% |
| 43 | 10.360 | 1517 | 1521 | 1529 | rVB4 | 1767 | 2438 | 0.71% | 0.080% |
| 44 | 10.586 | 1555 | 1558 | 1563 | rBV4 | 597 | 948 | 0.28% | 0.031% |
| 45 | 10.646 | 1563 | 1568 | 1575 | rVB | 11119 | 14766 | 4.33% | 0.482% |
| 46 | 10.756 | 1582 | 1586 | 1588 | rBV2 | 1098 | 1558 | 0.46% | 0.051% |
| 47 | 10.781 | 1588 | 1590 | 1593 | rVB3 | 2181 | 2431 | 0.71% | 0.079% |
| 48 | 10.860 | 1597 | 1603 | 1606 | rBV2 | 1796 | 2437 | 0.71% | 0.080% |
| 49 | 10.896 | 1606 | 1609 | 1614 | rVB | 1230 | 1758 | 0.51% | 0.057% |
| 50 | 10.964 | 1616 | 1620 | 1625 | rVB | 2964 | 4031 | 1.18% | 0.132% |
| 51 | 11.122 | 1642 | 1646 | 1651 | rVB2 | 2169 | 3095 | 0.91% | 0.101% |
| 52 | 11.195 | 1653 | 1658 | 1667 | rVB | 123971 | 165772 | 48.56% | 5.415% |
| 53 | 11.274 | 1669 | 1671 | 1673 | rVV2 | 362 | 441 | 0.13% | 0.014% |
| 54 | 11.311 | 1673 | 1677 | 1682 | rVV | 3580 | 5272 | 1.54% | 0.172% |
| 55 | 11.384 | 1686 | 1689 | 1694 | rVV | 3572 | 4962 | 1.45% | 0.162% |
| 56 | 11.457 | 1698 | 1701 | 1702 | rVV | 1549 | 1808 | 0.53% | 0.059% |
| 57 | 11.476 | 1702 | 1704 | 1713 | rVB3 | 2782 | 3993 | 1.17% | 0.130% |
| 58 | 11.616 | 1723 | 1727 | 1731 | rBV | 2941 | 3331 | 0.98% | 0.109% |
| 59 | 11.713 | 1739 | 1743 | 1746 | rBV3 | 1657 | 2236 | 0.65% | 0.073% |
| 60 | 11.756 | 1746 | 1750 | 1755 | rVB2 | 8828 | 11497 | 3.37% | 0.376% |
| 61 | 11.848 | 1761 | 1765 | 1767 | rBV2 | 561 | 802 | 0.23% | 0.026% |
| 62 | 11.890 | 1769 | 1772 | 1776 | rVB3 | 1494 | 2164 | 0.63% | 0.071% |
| 63 | 11.939 | 1776 | 1780 | 1784 | rBV5 | 1491 | 2473 | 0.72% | 0.081% |
| 64 | 11.976 | 1784 | 1786 | 1789 | rVB2 | 969 | 878 | 0.26% | 0.029% |
| 65 | 12.024 | 1789 | 1794 | 1800 | rBV | 215860 | 267208 | 78.27% | 8.729% |
| 66 | 12.091 | 1802 | 1805 | 1809 | rVB2 | 3133 | 3547 | 1.04% | 0.116% |
| 67 | 12.225 | 1822 | 1827 | 1830 | rBV3 | 964 | 1592 | 0.47% | 0.052% |
| 68 | 12.268 | 1832 | 1834 | 1837 | rVV2 | 1406 | 1691 | 0.50% | 0.055% |
| 69 | 12.323 | 1838 | 1843 | 1849 | rVB | 210358 | 261071 | 76.47% | 8.528% |
| 70 | 12.427 | 1855 | 1860 | 1863 | rVB | 3510 | 4022 | 1.18% | 0.131% |
| 71 | 12.469 | 1863 | 1867 | 1874 | rVB4 | 1364 | 2248 | 0.66% | 0.073% |
| 72 | 12.536 | 1874 | 1878 | 1880 | rBV2 | 1354 | 1774 | 0.52% | 0.058% |
| 73 | 12.731 | 1905 | 1910 | 1913 | rBV4 | 755 | 1263 | 0.37% | 0.041% |
| 74 | 12.768 | 1913 | 1916 | 1919 | rVV2 | 587 | 661 | 0.19% | 0.022% |
| 75 | 12.853 | 1926 | 1930 | 1933 | rVB3 | 447 | 647 | 0.19% | 0.021% |
| 76 | 12.890 | 1933 | 1936 | 1939 | rBV3 | 523 | 610 | 0.18% | 0.020% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120721\
Data File : VX025580.D
Acq On : 07 Dec 2021 15:30
Operator : JC/MD
Sample : M4883-04ME
Misc : 4.67g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
EW9G0ME

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\SFAMXLM112221WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 12.927 | 1939 | 1942 | 1945 | rBV2 | 915 | 1094 | 0.32% | 0.036% |
| 78 | 12.969 | 1945 | 1949 | 1957 | rVB4 | 1356 | 2109 | 0.62% | 0.069% |
| 79 | 13.042 | 1960 | 1961 | 1964 | rVV2 | 394 | 341 | 0.10% | 0.011% |
| 80 | 13.097 | 1968 | 1970 | 1973 | rVB | 543 | 384 | 0.11% | 0.013% |
| 81 | 13.219 | 1987 | 1990 | 1993 | rBV3 | 419 | 399 | 0.12% | 0.013% |
| 82 | 13.268 | 1993 | 1998 | 2006 | rBV2 | 3015 | 4852 | 1.42% | 0.158% |
| 83 | 13.384 | 2013 | 2017 | 2024 | rBV4 | 1754 | 2539 | 0.74% | 0.083% |
| 84 | 13.579 | 2045 | 2049 | 2054 | rBV2 | 1130 | 1460 | 0.43% | 0.048% |
| 85 | 13.634 | 2054 | 2058 | 2064 | rVB4 | 558 | 793 | 0.23% | 0.026% |
| 86 | 13.780 | 2077 | 2082 | 2088 | rVB | 10230 | 13621 | 3.99% | 0.445% |
| 87 | 13.847 | 2089 | 2093 | 2096 | rVB2 | 2174 | 2633 | 0.77% | 0.086% |
| 88 | 13.993 | 2114 | 2117 | 2119 | rBV2 | 353 | 339 | 0.10% | 0.011% |
| 89 | 14.042 | 2120 | 2125 | 2128 | rBV | 2725 | 3279 | 0.96% | 0.107% |
| 90 | 14.103 | 2132 | 2135 | 2138 | rBV2 | 801 | 925 | 0.27% | 0.030% |
| 91 | 14.506 | 2198 | 2201 | 2206 | rVB5 | 854 | 1417 | 0.42% | 0.046% |
| 92 | 14.609 | 2215 | 2218 | 2219 | rBV2 | 1185 | 977 | 0.29% | 0.032% |
| 93 | 14.640 | 2220 | 2223 | 2226 | rVB | 6641 | 6872 | 2.01% | 0.224% |
| 94 | 14.756 | 2239 | 2242 | 2244 | rVV2 | 2323 | 3015 | 0.88% | 0.098% |
| 95 | 14.780 | 2244 | 2246 | 2251 | rVV | 7519 | 8985 | 2.63% | 0.294% |
| 96 | 14.847 | 2254 | 2257 | 2261 | rVB4 | 745 | 898 | 0.26% | 0.029% |
| 97 | 15.213 | 2314 | 2317 | 2322 | rVB4 | 1346 | 1918 | 0.56% | 0.063% |
| 98 | 15.268 | 2324 | 2326 | 2330 | rVB4 | 389 | 455 | 0.13% | 0.015% |
| 99 | 15.487 | 2357 | 2362 | 2366 | rBV5 | 1021 | 1693 | 0.50% | 0.055% |
| 100 | 15.615 | 2378 | 2383 | 2387 | rBV2 | 1434 | 2221 | 0.65% | 0.073% |

Sum of corrected areas: 3061306

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120721\
Data File : VX025580.D
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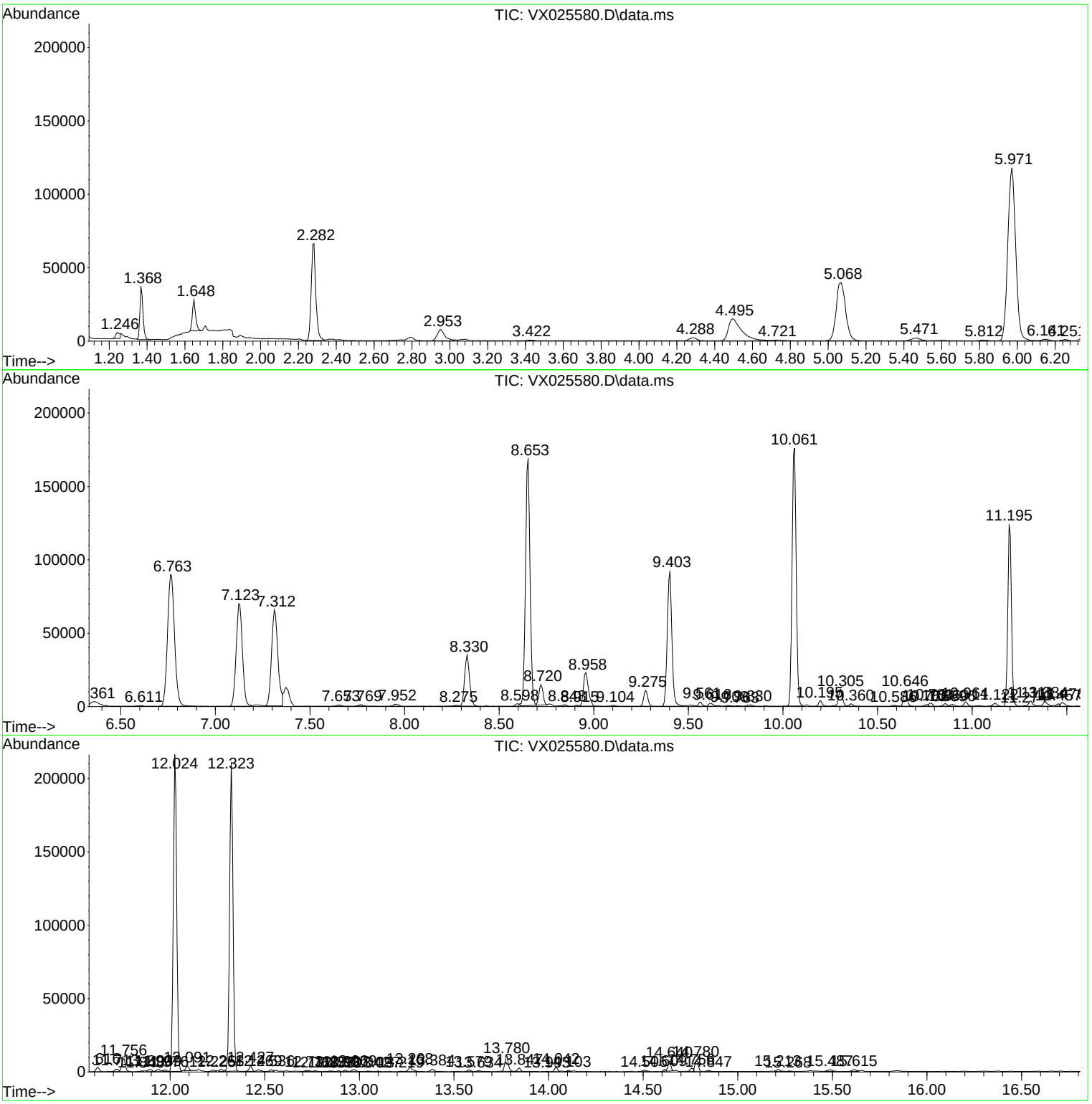
Sample : M4883-04ME
Misc : 4.67g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
EW9G0ME

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM112221WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120721\
Data File : VX025580.D
Acq On : 07 Dec 2021 15:30
Operator : JC/MD
Sample : M4883-04ME
Misc : 4.67g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
EW9G0ME

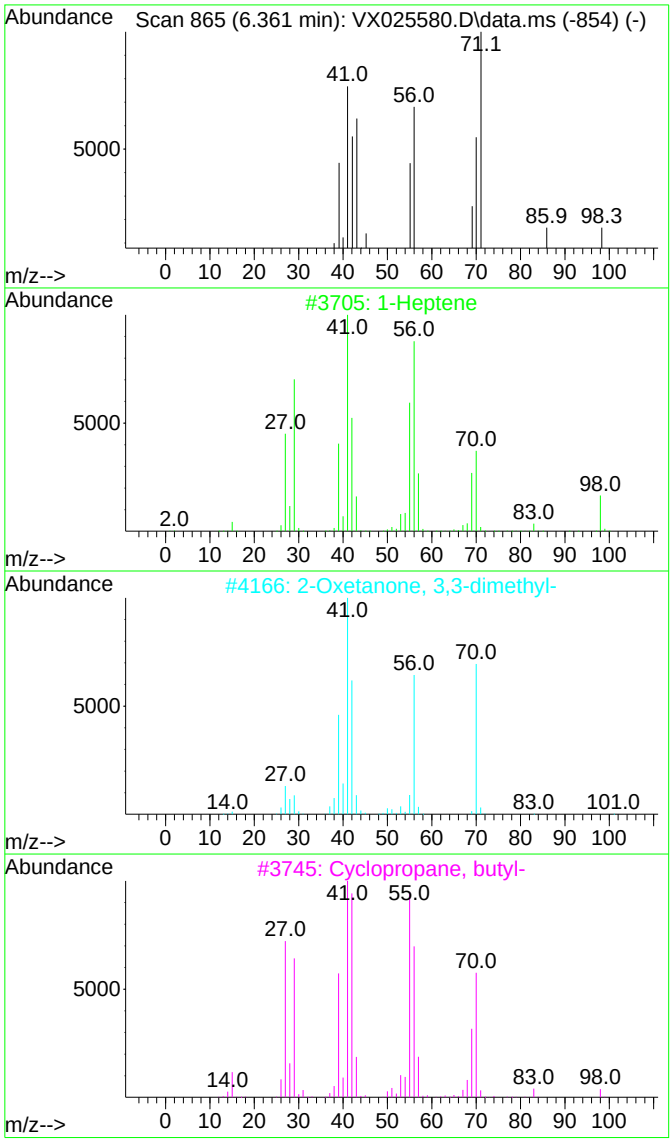
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM112221WMA.M
Quant Title : VOC Analysis

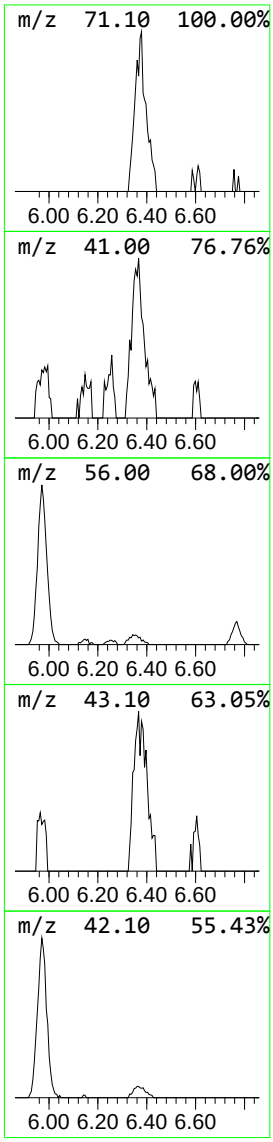
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.361 | 2.56 ug/L | 11742 | 1,4-Difluorobenzene | 6.763 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heptene | 98 | C7H14 | 000592-76-7 | 49 |
| 2 | 2-Oxetanone, 3,3-dimethyl- | 100 | C5H8O2 | 001955-45-9 | 47 |
| 3 | Cyclopropane, butyl- | 98 | C7H14 | 000930-57-4 | 47 |
| 4 | Furan, 2,5-dihydro- | 70 | C4H6O | 001708-29-8 | 38 |
| 5 | 1-Hexene | 84 | C6H12 | 000592-41-6 | 38 |



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Data File : VX025580.D
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Operator : JC/MD
Sample : M4883-04ME
Misc : 4.67g/5mL/100uL/5.00mL/MSVOA_X/MEOH
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**Instrument :**
MSVOA_X
**ClientSampleId :**
EW9G0ME

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM112221WMA.M
Quant Title : VOC Analysis

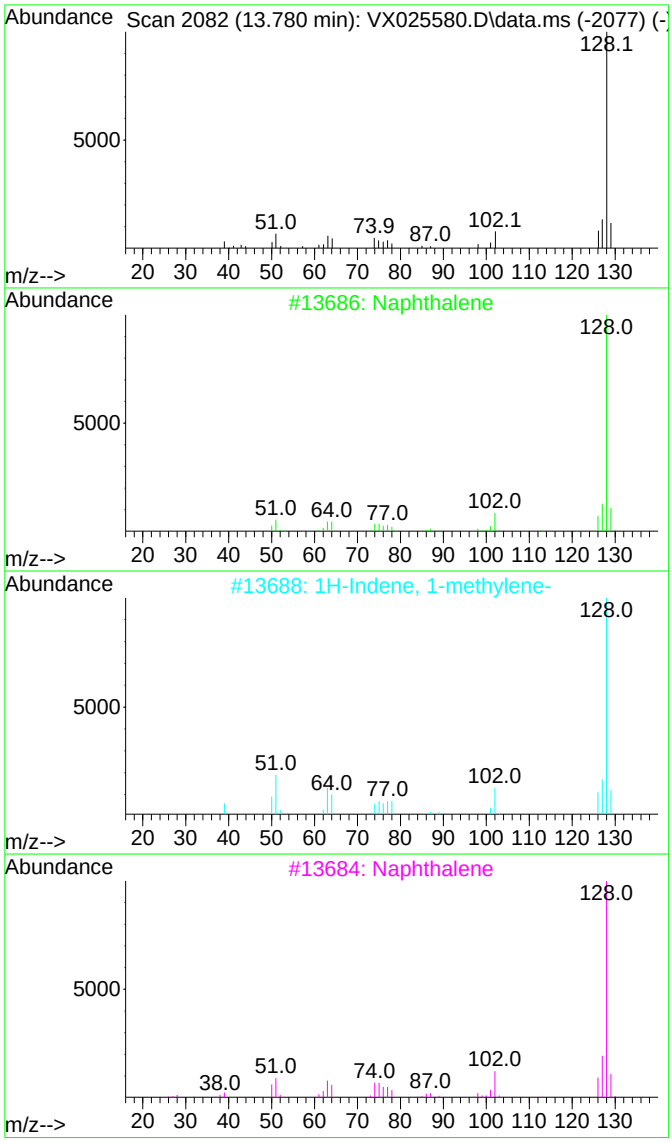
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

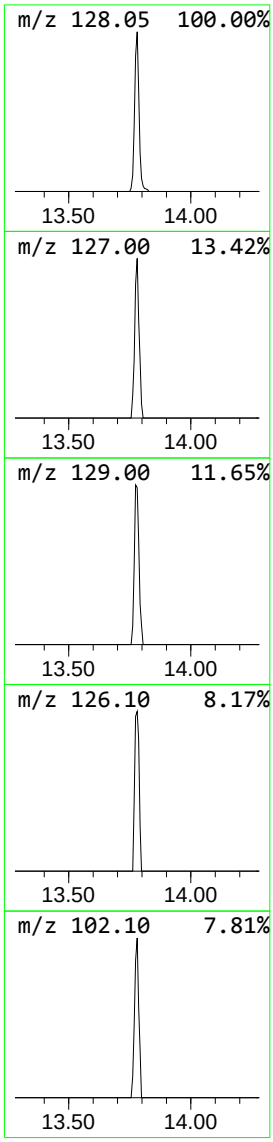
**********

Peak Number 4 Azulene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.780 | 2.55 ug/L | 13621 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene | 128 | C10H8 | 000091-20-3 | 94 |
| 2 | 1H-Indene, 1-methylene- | 128 | C10H8 | 002471-84-3 | 91 |
| 3 | Naphthalene | 128 | C10H8 | 000091-20-3 | 91 |
| 4 | Azulene | 128 | C10H8 | 000275-51-4 | 91 |
| 5 | Azulene | 128 | C10H8 | 000275-51-4 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120721\
Data File : VX025580.D
Acq On : 07 Dec 2021 15:30
Operator : JC/MD
Sample : M4883-04ME
Misc : 4.67g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
EW9G0ME

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM112221WMA.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: S... | 6.361 | 2.6 | ug/L | 11742 | 1 | 6.763 | 229349 | 50.0 |
| Azulene | 13.780 | 2.5 | ug/L | 13621 | 3 | 12.024 | 267208 | 50.0 |