LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051724\
Data File : VW028636.D
Acq On : 17 May 2024 13:58
Operator : SY/MD
Sample : P2520-08
Misc : 5.28g/10mL/MSVOA_W/SOIL/VIAL A
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
BHB83

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_W\Method\SFAMWLM050224SMA.M
Title : SFAM01.0

Signal : TIC: VW028636.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.369 | 73 | 79 | 91 | rVB | 48161 | 111135 | 13.59% | 1.709% |
| 2 | 2.503 | 95 | 101 | 115 | rBV | 60267 | 169035 | 20.68% | 2.599% |
| 3 | 2.905 | 160 | 167 | 185 | rVB2 | 36299 | 107875 | 13.20% | 1.659% |
| 4 | 3.649 | 287 | 289 | 293 | rBV5 | 939 | 982 | 0.12% | 0.015% |
| 5 | 4.027 | 341 | 351 | 360 | rBV2 | 82239 | 251500 | 30.76% | 3.867% |
| 6 | 4.119 | 360 | 366 | 377 | rVB | 42156 | 118606 | 14.51% | 1.824% |
| 7 | 4.411 | 412 | 414 | 418 | rVB5 | 1357 | 1156 | 0.14% | 0.018% |
| 8 | 4.643 | 450 | 452 | 456 | rBV5 | 775 | 1030 | 0.13% | 0.016% |
| 9 | 4.716 | 462 | 464 | 466 | rVV3 | 1272 | 1104 | 0.14% | 0.017% |
| 10 | 4.923 | 486 | 498 | 515 | rBV2 | 23241 | 83295 | 10.19% | 1.281% |
| 11 | 5.088 | 519 | 525 | 529 | rVB9 | 1177 | 2296 | 0.28% | 0.035% |
| 12 | 5.131 | 529 | 532 | 533 | rBV3 | 1018 | 1098 | 0.13% | 0.017% |
| 13 | 5.435 | 580 | 582 | 588 | rVV6 | 1156 | 1926 | 0.24% | 0.030% |
| 14 | 5.649 | 614 | 617 | 620 | rBV5 | 862 | 1089 | 0.13% | 0.017% |
| 15 | 5.789 | 631 | 640 | 649 | rBV2 | 10036 | 34095 | 4.17% | 0.524% |
| 16 | 5.899 | 655 | 658 | 660 | rBV4 | 1278 | 1607 | 0.20% | 0.025% |
| 17 | 5.941 | 660 | 665 | 675 | rVB4 | 3653 | 11166 | 1.37% | 0.172% |
| 18 | 6.033 | 677 | 680 | 683 | rVB5 | 1692 | 1733 | 0.21% | 0.027% |
| 19 | 6.447 | 743 | 748 | 751 | rVV6 | 1046 | 1666 | 0.20% | 0.026% |
| 20 | 6.551 | 761 | 765 | 766 | rBV4 | 901 | 1217 | 0.15% | 0.019% |
| 21 | 6.630 | 775 | 778 | 782 | rBV6 | 999 | 1458 | 0.18% | 0.022% |
| 22 | 6.740 | 794 | 796 | 799 | rVB4 | 925 | 973 | 0.12% | 0.015% |
| 23 | 6.838 | 810 | 812 | 815 | rVB4 | 864 | 1029 | 0.13% | 0.016% |
| 24 | 6.905 | 815 | 823 | 827 | rBV5 | 7380 | 19840 | 2.43% | 0.305% |
| 25 | 7.075 | 842 | 851 | 862 | rBV | 36879 | 117575 | 14.38% | 1.808% |
| 26 | 7.264 | 879 | 882 | 887 | rVB7 | 1247 | 2014 | 0.25% | 0.031% |
| 27 | 7.307 | 887 | 889 | 892 | rBV3 | 776 | 1013 | 0.12% | 0.016% |
| 28 | 7.453 | 911 | 913 | 918 | rVB6 | 1055 | 1465 | 0.18% | 0.023% |
| 29 | 7.533 | 918 | 926 | 927 | rBV8 | 2493 | 4582 | 0.56% | 0.070% |
| 30 | 7.551 | 927 | 929 | 931 | rVV3 | 1904 | 1820 | 0.22% | 0.028% |
| 31 | 7.648 | 935 | 945 | 958 | rVB | 136496 | 345600 | 42.27% | 5.314% |
| 32 | 7.752 | 958 | 962 | 963 | rBV4 | 1079 | 1295 | 0.16% | 0.020% |
| 33 | 7.929 | 988 | 991 | 994 | rVV4 | 1238 | 1862 | 0.23% | 0.029% |
| 34 | 8.081 | 1011 | 1016 | 1019 | rBV6 | 1126 | 1799 | 0.22% | 0.028% |
| 35 | 8.276 | 1039 | 1048 | 1065 | rBV2 | 269306 | 817529 | 100.00% | 12.570% |
| 36 | 8.551 | 1085 | 1093 | 1099 | rBV3 | 14939 | 35590 | 4.35% | 0.547% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051724\
Data File : VW028636.D
Acq On : 17 May 2024 13:58
Operator : SY/MD
Sample : P2520-08
Misc : 5.28g/10mL/MSVOA_W/SOIL/VIAL A
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
BHB83

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_W\Method\SFAMWLM050224SMA.M
Title : SFAM01.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 8.703 | 1111 | 1118 | 1128 | rBV4 | 10513 | 26925 | 3.29% | 0.414% |
| 38 | 8.843 | 1132 | 1141 | 1152 | rBV | 254112 | 505755 | 61.86% | 7.776% |
| 39 | 8.965 | 1159 | 1161 | 1164 | rBV4 | 1018 | 973 | 0.12% | 0.015% |
| 40 | 9.276 | 1203 | 1212 | 1222 | rBV | 192319 | 392745 | 48.04% | 6.039% |
| 41 | 9.374 | 1226 | 1228 | 1229 | rVV2 | 1606 | 1433 | 0.18% | 0.022% |
| 42 | 9.410 | 1229 | 1234 | 1243 | rVB | 13755 | 28392 | 3.47% | 0.437% |
| 43 | 9.477 | 1243 | 1245 | 1248 | rVB4 | 902 | 1036 | 0.13% | 0.016% |
| 44 | 9.557 | 1254 | 1258 | 1261 | rVB6 | 1029 | 1453 | 0.18% | 0.022% |
| 45 | 9.648 | 1269 | 1273 | 1274 | rBV3 | 1465 | 1407 | 0.17% | 0.022% |
| 46 | 10.032 | 1330 | 1336 | 1345 | rBV | 93544 | 176775 | 21.62% | 2.718% |
| 47 | 10.154 | 1354 | 1356 | 1359 | rVB4 | 1356 | 1314 | 0.16% | 0.020% |
| 48 | 10.203 | 1363 | 1364 | 1373 | rVB8 | 1017 | 1873 | 0.23% | 0.029% |
| 49 | 10.325 | 1377 | 1384 | 1391 | rBV | 343990 | 617214 | 75.50% | 9.490% |
| 50 | 10.496 | 1409 | 1412 | 1419 | rVB9 | 3263 | 6136 | 0.75% | 0.094% |
| 51 | 10.575 | 1419 | 1425 | 1431 | rBV | 63198 | 111960 | 13.69% | 1.721% |
| 52 | 10.624 | 1431 | 1433 | 1439 | rVV6 | 4816 | 9337 | 1.14% | 0.144% |
| 53 | 10.703 | 1442 | 1446 | 1452 | rVB | 7868 | 14647 | 1.79% | 0.225% |
| 54 | 10.758 | 1452 | 1455 | 1456 | rBV3 | 1126 | 1227 | 0.15% | 0.019% |
| 55 | 10.861 | 1466 | 1472 | 1476 | rBV3 | 8890 | 16255 | 1.99% | 0.250% |
| 56 | 10.922 | 1476 | 1482 | 1494 | rVV | 132644 | 231586 | 28.33% | 3.561% |
| 57 | 11.069 | 1501 | 1506 | 1517 | rBV2 | 39857 | 66667 | 8.15% | 1.025% |
| 58 | 11.282 | 1537 | 1541 | 1544 | rVV5 | 959 | 1411 | 0.17% | 0.022% |
| 59 | 11.629 | 1590 | 1598 | 1607 | rBV | 335263 | 566734 | 69.32% | 8.714% |
| 60 | 11.709 | 1607 | 1611 | 1621 | rVB2 | 7395 | 15475 | 1.89% | 0.238% |
| 61 | 11.843 | 1626 | 1633 | 1641 | rVB2 | 3698 | 9654 | 1.18% | 0.148% |
| 62 | 11.946 | 1645 | 1650 | 1653 | rVB6 | 3983 | 6459 | 0.79% | 0.099% |
| 63 | 12.032 | 1660 | 1664 | 1667 | rVB4 | 1045 | 1308 | 0.16% | 0.020% |
| 64 | 12.105 | 1674 | 1676 | 1681 | rVB6 | 1388 | 1934 | 0.24% | 0.030% |
| 65 | 12.160 | 1681 | 1685 | 1689 | rBV7 | 1868 | 4027 | 0.49% | 0.062% |
| 66 | 12.233 | 1695 | 1697 | 1703 | rVB6 | 1862 | 2223 | 0.27% | 0.034% |
| 67 | 12.337 | 1709 | 1714 | 1721 | rBV | 16449 | 29787 | 3.64% | 0.458% |
| 68 | 12.465 | 1731 | 1735 | 1737 | rVV5 | 2092 | 2394 | 0.29% | 0.037% |
| 69 | 12.513 | 1740 | 1743 | 1747 | rVB6 | 1620 | 2452 | 0.30% | 0.038% |
| 70 | 12.599 | 1752 | 1757 | 1764 | rVB2 | 12874 | 23690 | 2.90% | 0.364% |
| 71 | 12.690 | 1765 | 1772 | 1781 | rVB | 171182 | 277761 | 33.98% | 4.271% |
| 72 | 12.763 | 1781 | 1784 | 1786 | rBV4 | 1233 | 1193 | 0.15% | 0.018% |
| 73 | 12.867 | 1799 | 1801 | 1804 | rVV4 | 598 | 1020 | 0.12% | 0.016% |
| 74 | 12.934 | 1806 | 1812 | 1820 | rVV2 | 10043 | 20408 | 2.50% | 0.314% |
| 75 | 13.044 | 1827 | 1830 | 1835 | rBV6 | 2474 | 4307 | 0.53% | 0.066% |
| 76 | 13.141 | 1842 | 1846 | 1847 | rBV4 | 760 | 1018 | 0.12% | 0.016% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051724\
Data File : VW028636.D
Acq On : 17 May 2024 13:58
Operator : SY/MD
Sample : P2520-08
Misc : 5.28g/10mL/MSVOA_W/SOIL/VIAL A
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
BHB83

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_W\Method\SFAMWLM050224SMA.M
Title : SFAM01.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 13.269 | 1857 | 1867 | 1877 | rBV | 27410 | 57855 | 7.08% | 0.890% |
| 78 | 13.391 | 1882 | 1887 | 1893 | rBV4 | 14716 | 23380 | 2.86% | 0.359% |
| 79 | 13.556 | 1907 | 1914 | 1923 | rBV | 260818 | 432198 | 52.87% | 6.645% |
| 80 | 13.641 | 1924 | 1928 | 1934 | rVB | 17085 | 27221 | 3.33% | 0.419% |
| 81 | 13.849 | 1955 | 1962 | 1969 | rBV | 236593 | 396190 | 48.46% | 6.092% |
| 82 | 14.013 | 1986 | 1989 | 1991 | rBV4 | 2393 | 2961 | 0.36% | 0.046% |
| 83 | 14.062 | 1992 | 1997 | 2003 | rVB2 | 23684 | 38752 | 4.74% | 0.596% |
| 84 | 14.318 | 2034 | 2039 | 2046 | rVV3 | 11460 | 20259 | 2.48% | 0.312% |
| 85 | 14.483 | 2063 | 2066 | 2067 | rBV3 | 1346 | 1655 | 0.20% | 0.025% |
| 86 | 14.550 | 2076 | 2077 | 2081 | rVB4 | 1631 | 1207 | 0.15% | 0.019% |
| 87 | 14.617 | 2085 | 2088 | 2091 | rBV5 | 2072 | 2339 | 0.29% | 0.036% |
| 88 | 14.714 | 2100 | 2104 | 2111 | rVB3 | 6897 | 9474 | 1.16% | 0.146% |
| 89 | 15.062 | 2158 | 2161 | 2162 | rBV3 | 1327 | 1203 | 0.15% | 0.018% |
| 90 | 15.178 | 2176 | 2180 | 2183 | rBV6 | 2285 | 3551 | 0.43% | 0.055% |
| 91 | 15.482 | 2224 | 2230 | 2235 | rVV2 | 8594 | 15652 | 1.91% | 0.241% |
| 92 | 15.543 | 2236 | 2240 | 2246 | rVB6 | 5495 | 9152 | 1.12% | 0.141% |
| 93 | 15.836 | 2286 | 2288 | 2293 | rBV6 | 1280 | 1673 | 0.20% | 0.026% |
| 94 | 15.946 | 2304 | 2306 | 2308 | rBV3 | 1391 | 1461 | 0.18% | 0.022% |
| 95 | 16.092 | 2325 | 2330 | 2331 | rBV4 | 1896 | 2561 | 0.31% | 0.039% |
| 96 | 16.257 | 2354 | 2357 | 2358 | rBV3 | 1189 | 1375 | 0.17% | 0.021% |
| 97 | 16.403 | 2377 | 2381 | 2382 | rBV4 | 790 | 1046 | 0.13% | 0.016% |
| 98 | 16.446 | 2385 | 2388 | 2390 | rBV4 | 1084 | 1355 | 0.17% | 0.021% |
| 99 | 16.531 | 2399 | 2402 | 2404 | rVB4 | 1595 | 1628 | 0.20% | 0.025% |
| 100 | 16.757 | 2436 | 2439 | 2443 | rVB6 | 1342 | 2118 | 0.26% | 0.033% |

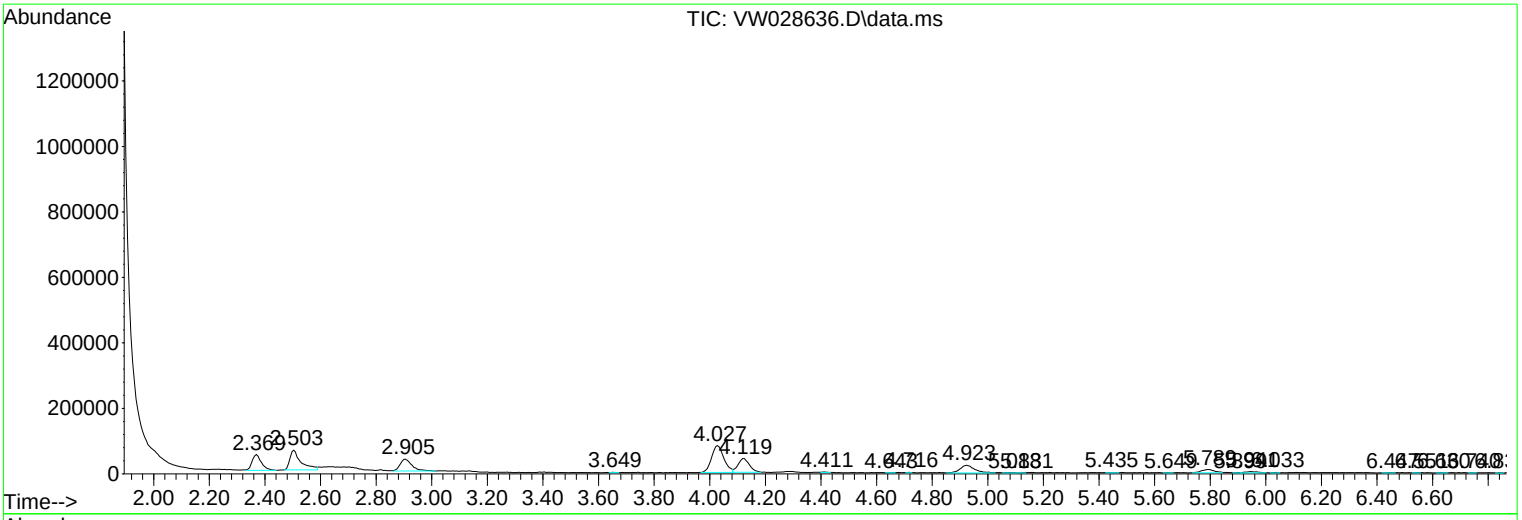
Sum of corrected areas: 6503686

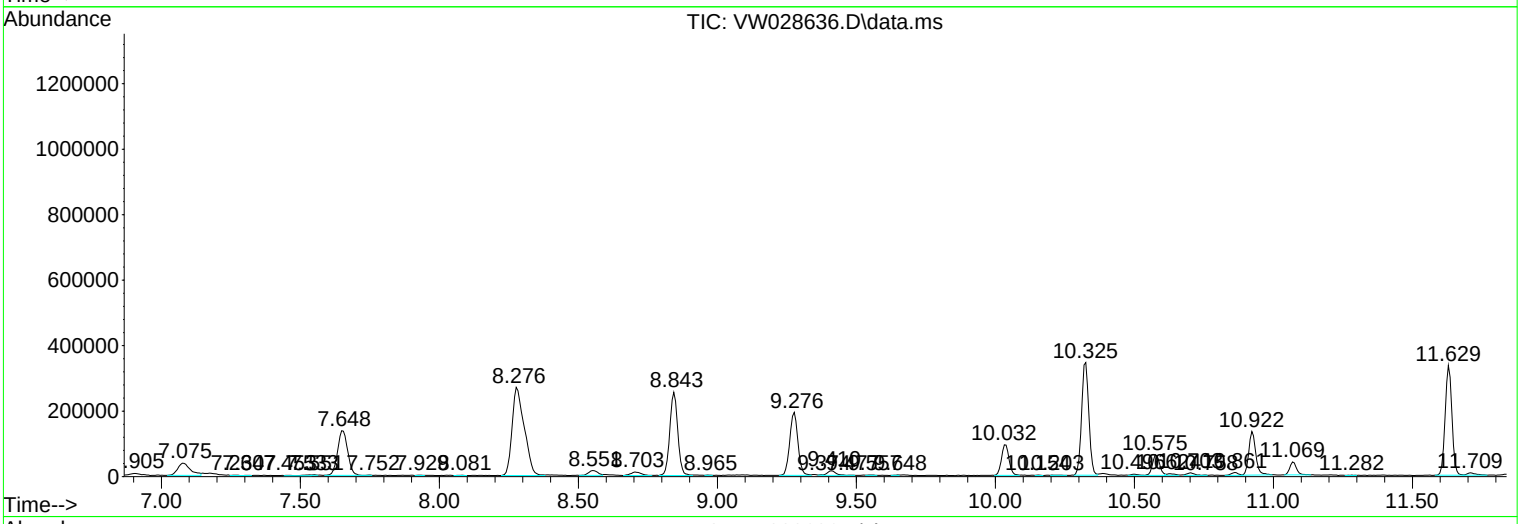
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051724\
Data File : VW028636.D
Acq On : 17 May 2024 13:58
Operator : SY/MD
Sample : P2520-08
Misc : 5.28g/10mL/MSVOA_W/SOIL/VIAL A
ALS Vial : 1 Sample Multiplier: 1

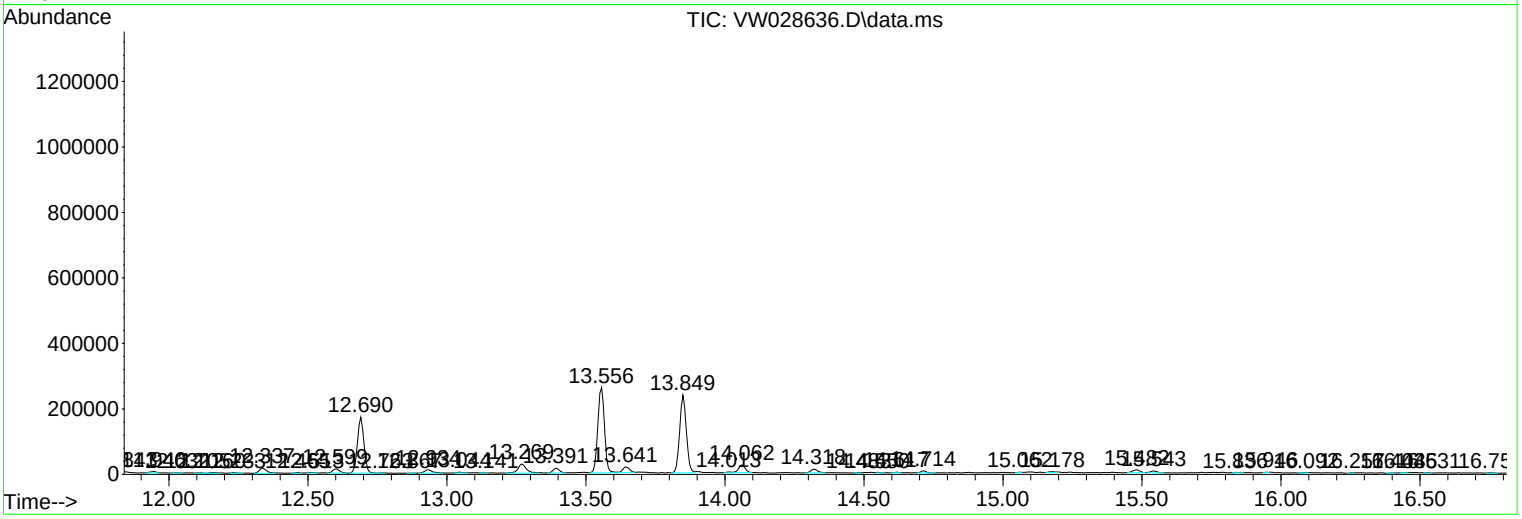
**Instrument :**
MSVOA_W
**ClientSampleId :**
BHB83

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051724\
Data File : VW028636.D
Acq On : 17 May 2024 13:58
Operator : SY/MD
Sample : P2520-08
Misc : 5.28g/10mL/MSVOA_W/SOIL/VIAL A
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
BHB83

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
Quant Title : SFAM01.0

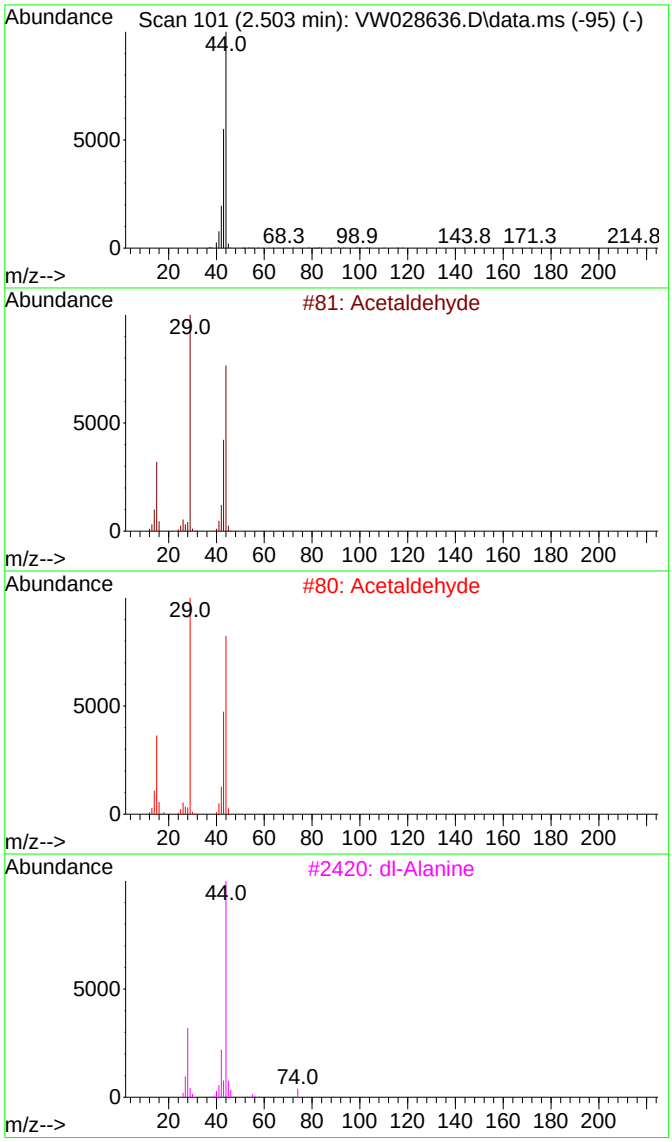
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

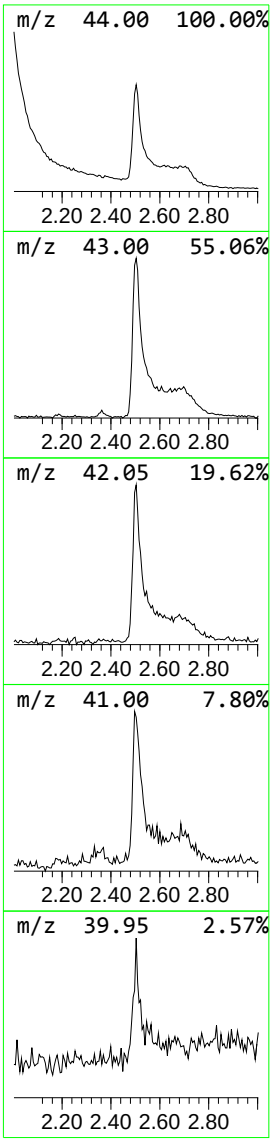
**********

Peak Number 1 unknown-01 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.503 | 8.36 ug/L | 169035 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetaldehyde | 44 | C2H4O | 000075-07-0 | 9 |
| 2 | Acetaldehyde | 44 | C2H4O | 000075-07-0 | 9 |
| 3 | dl-Alanine | 89 | C3H7NO2 | 000302-72-7 | 9 |
| 4 | dl-Alanine | 89 | C3H7NO2 | 000302-72-7 | 7 |
| 5 | 2-Hexanamine, 4-methyl- | 115 | C7H17N | 000105-41-9 | 5 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051724\
Data File : VW028636.D
Acq On : 17 May 2024 13:58
Operator : SY/MD
Sample : P2520-08
Misc : 5.28g/10mL/MSVOA_W/SOIL/VIAL A
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
BHB83

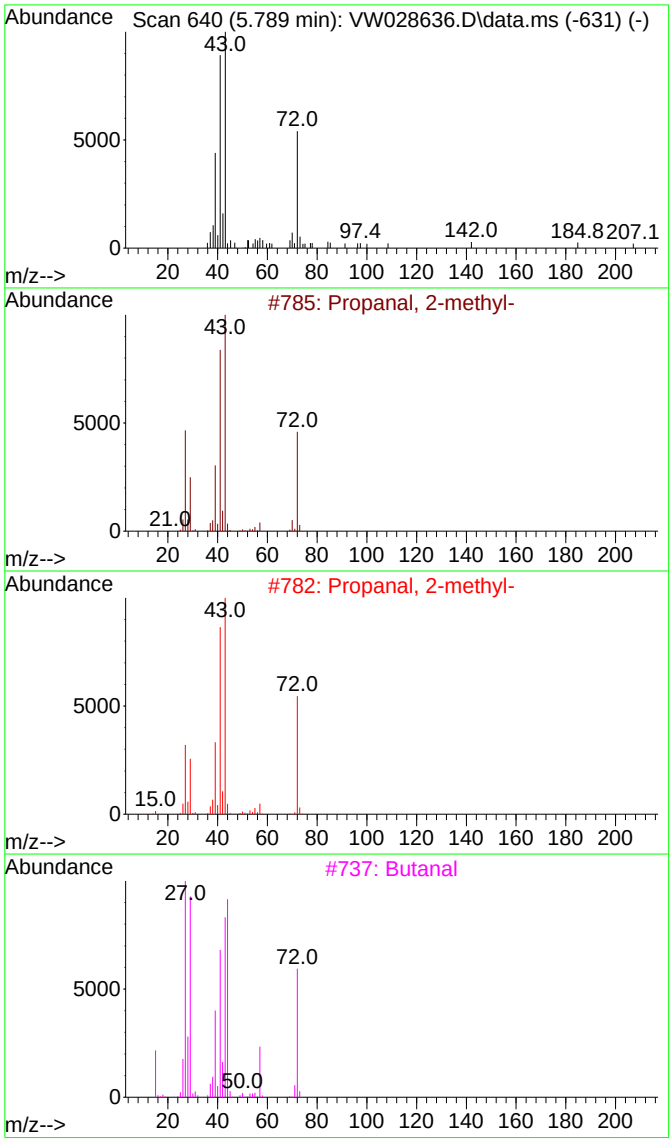
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
Quant Title : SFAM01.0

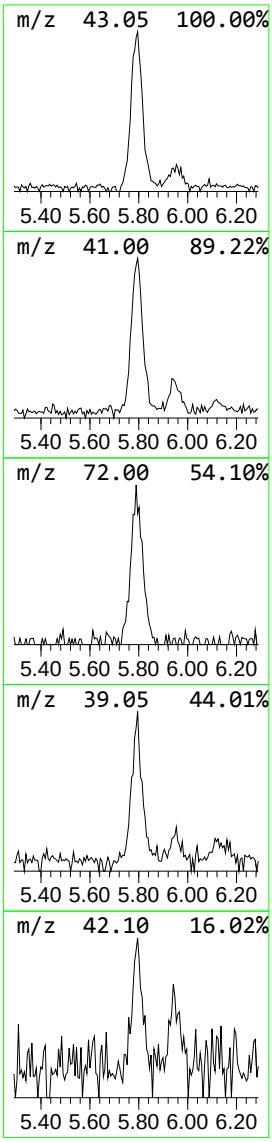
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Propanal, 2-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.789 | 1.69 ug/L | 34095 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanal, 2-methyl- | 72 | C4H8O | 000078-84-2 | 90 |
| 2 | Propanal, 2-methyl- | 72 | C4H8O | 000078-84-2 | 90 |
| 3 | Butanal | 72 | C4H8O | 000123-72-8 | 90 |
| 4 | Propanal, 2-methyl- | 72 | C4H8O | 000078-84-2 | 53 |
| 5 | Propanal, 2-methyl- | 72 | C4H8O | 000078-84-2 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051724\
Data File : VW028636.D
Acq On : 17 May 2024 13:58
Operator : SY/MD
Sample : P2520-08
Misc : 5.28g/10mL/MSVOA_W/SOIL/VIAL A
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
BHB83

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
Quant Title : SFAM01.0

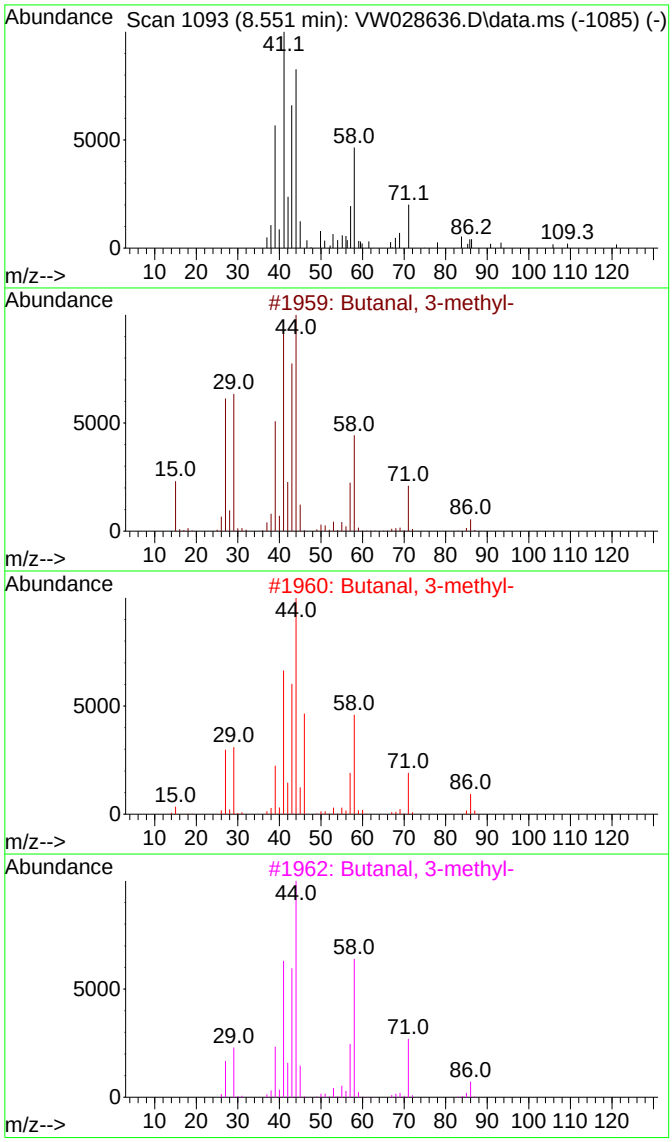
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

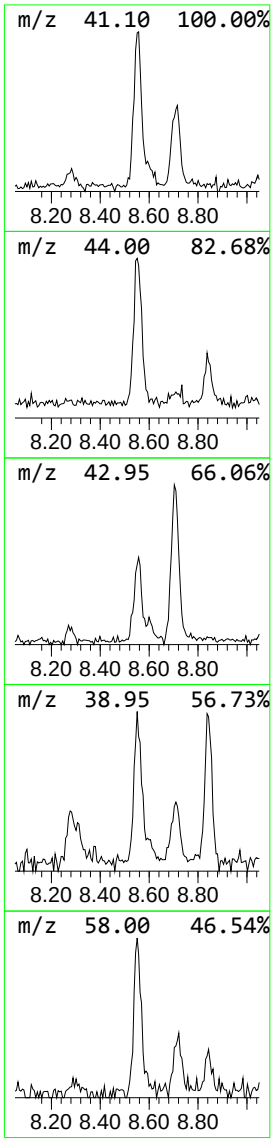
**********

Peak Number 3 Butanal, 3-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.551 | 1.76 ug/L | 35590 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butanal, 3-methyl- | 86 | C5H10O | 000590-86-3 | 94 |
| 2 | Butanal, 3-methyl- | 86 | C5H10O | 000590-86-3 | 58 |
| 3 | Butanal, 3-methyl- | 86 | C5H10O | 000590-86-3 | 58 |
| 4 | Butanal, 3-methyl- | 86 | C5H10O | 000590-86-3 | 58 |
| 5 | Butanal, 3-methyl- | 86 | C5H10O | 000590-86-3 | 52 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051724\
Data File : VW028636.D
Acq On : 17 May 2024 13:58
Operator : SY/MD
Sample : P2520-08
Misc : 5.28g/10mL/MSVOA_W/SOIL/VIAL A
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
BHB83

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
Quant Title : SFAM01.0

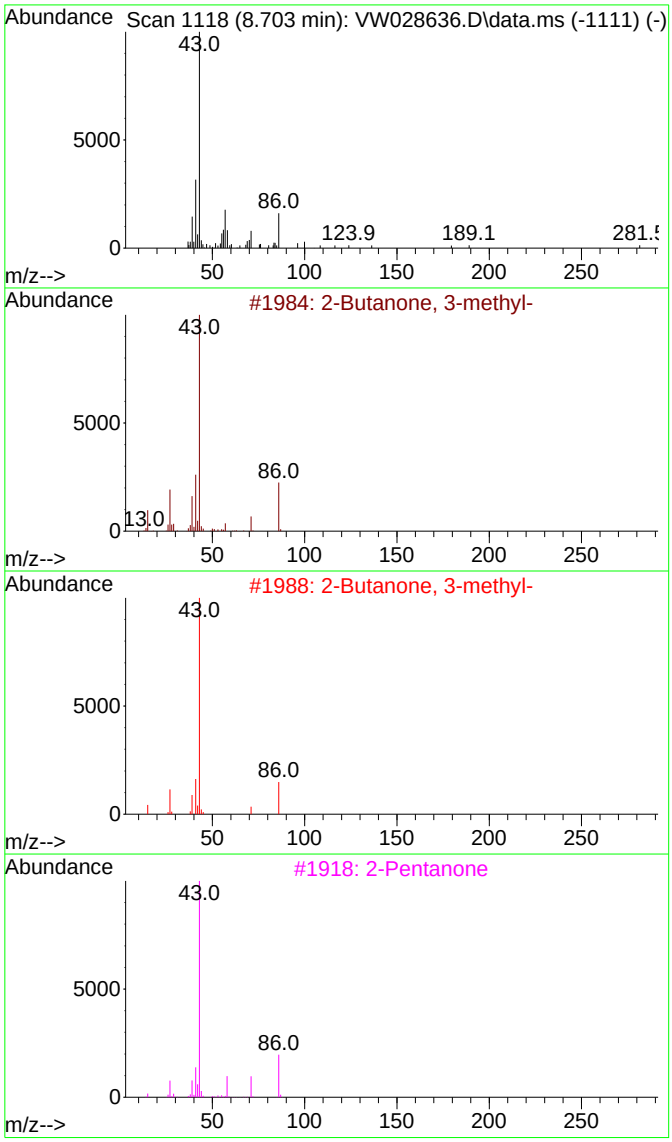
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

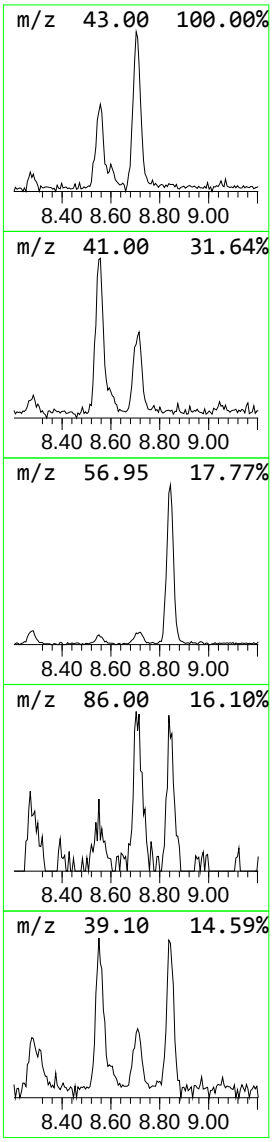
**********

Peak Number 4 unknown-02 Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.703 | 1.33 ug/L | 26925 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Butanone, 3-methyl- | 86 | C5H10O | 000563-80-4 | 47 |
| 2 | 2-Butanone, 3-methyl- | 86 | C5H10O | 000563-80-4 | 43 |
| 3 | 2-Pentanone | 86 | C5H10O | 000107-87-9 | 43 |
| 4 | Oxalic acid, monoamide, n-propyl... | 243 | C13H25NO3 | 1010309-64-7 | 38 |
| 5 | 2-Pentanone | 86 | C5H10O | 000107-87-9 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051724\
Data File : VW028636.D
Acq On : 17 May 2024 13:58
Operator : SY/MD
Sample : P2520-08
Misc : 5.28g/10mL/MSVOA_W/SOIL/VIAL A
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
BHB83

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
Quant Title : SFAM01.0

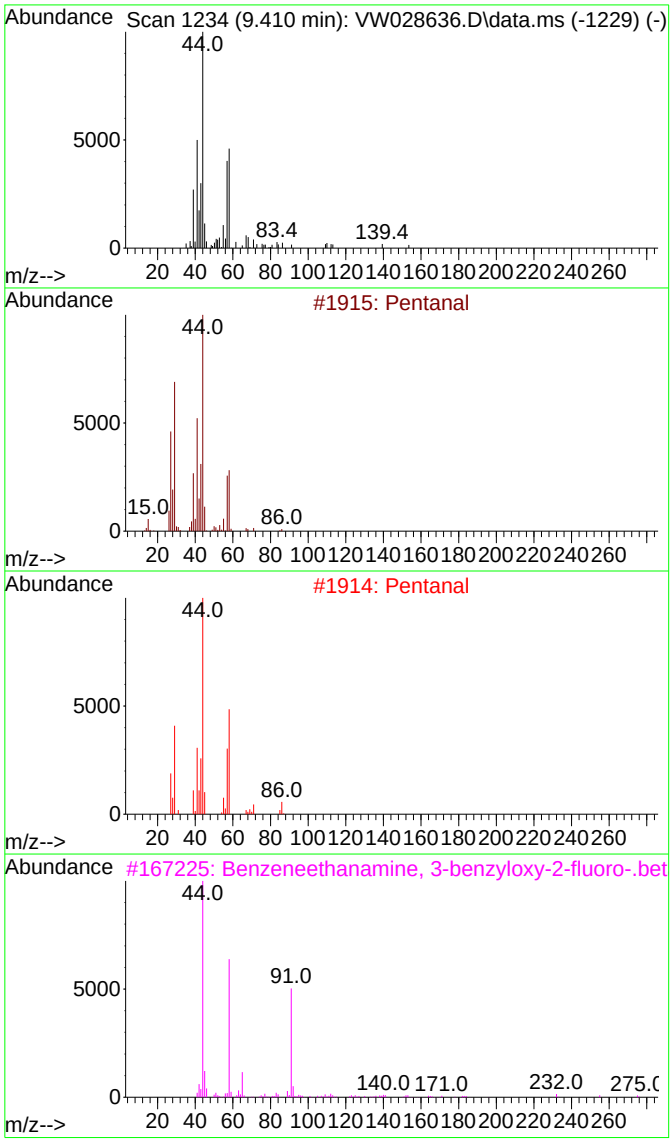
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

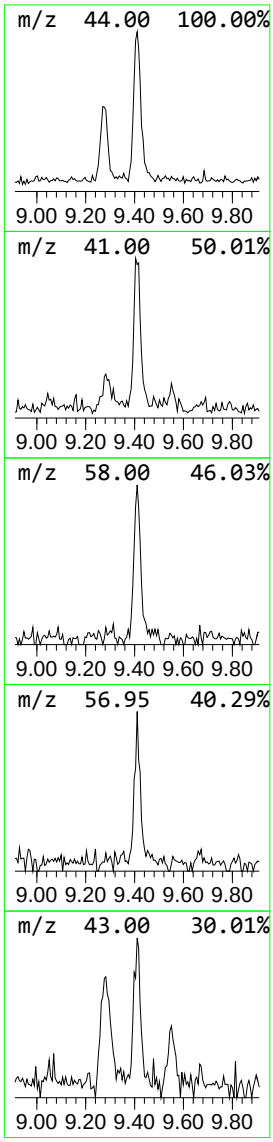
**********

Peak Number 5 Pentanal Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.410 | 1.40 ug/L | 28392 | 1,4-Difluorobenzene | 8.843 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentanal | 86 | C5H10O | 000110-62-3 | 78 |
| 2 | Pentanal | 86 | C5H10O | 000110-62-3 | 64 |
| 3 | Benzeneethanamine, 3-benzyloxy-2... | 275 | C16H18FNO2 | 103439-01-6 | 56 |
| 4 | Acetic acid, hydroxy[(1-oxo-2-pr... | 145 | C5H7NO4 | 006737-24-2 | 47 |
| 5 | Pentanal | 86 | C5H10O | 000110-62-3 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051724\
Data File : VW028636.D
Acq On : 17 May 2024 13:58
Operator : SY/MD
Sample : P2520-08
Misc : 5.28g/10mL/MSVOA_W/SOIL/VIAL A
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
BHB83

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
Quant Title : SFAM01.0

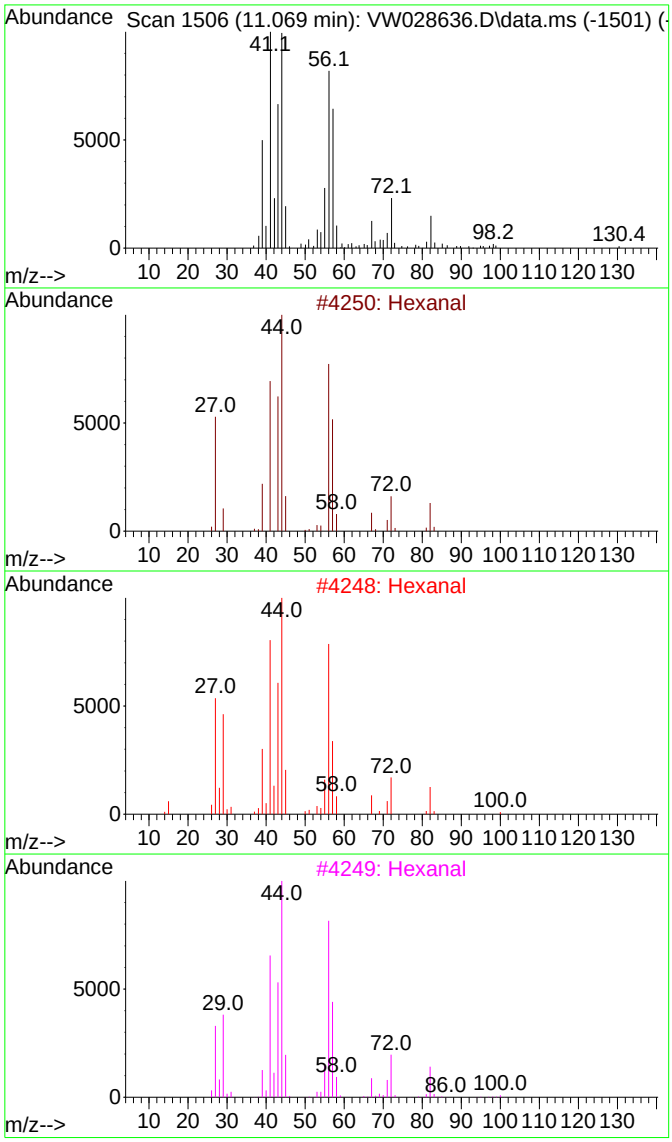
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

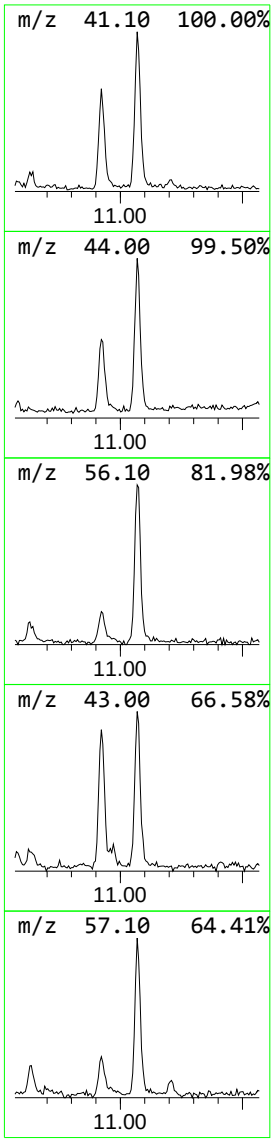
**********

Peak Number 7 Hexanal Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.069 | 2.94 ug/L | 66667 | Chlorobenzene-d5 | 11.630 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexanal | 100 | C6H12O | 000066-25-1 | 72 |
| 2 | Hexanal | 100 | C6H12O | 000066-25-1 | 64 |
| 3 | Hexanal | 100 | C6H12O | 000066-25-1 | 64 |
| 4 | Hexanal | 100 | C6H12O | 000066-25-1 | 50 |
| 5 | Hexanal | 100 | C6H12O | 000066-25-1 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051724\
Data File : VW028636.D
Acq On : 17 May 2024 13:58
Operator : SY/MD
Sample : P2520-08
Misc : 5.28g/10mL/MSVOA_W/SOIL/VIAL A
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
BHB83

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
Quant Title : SFAM01.0

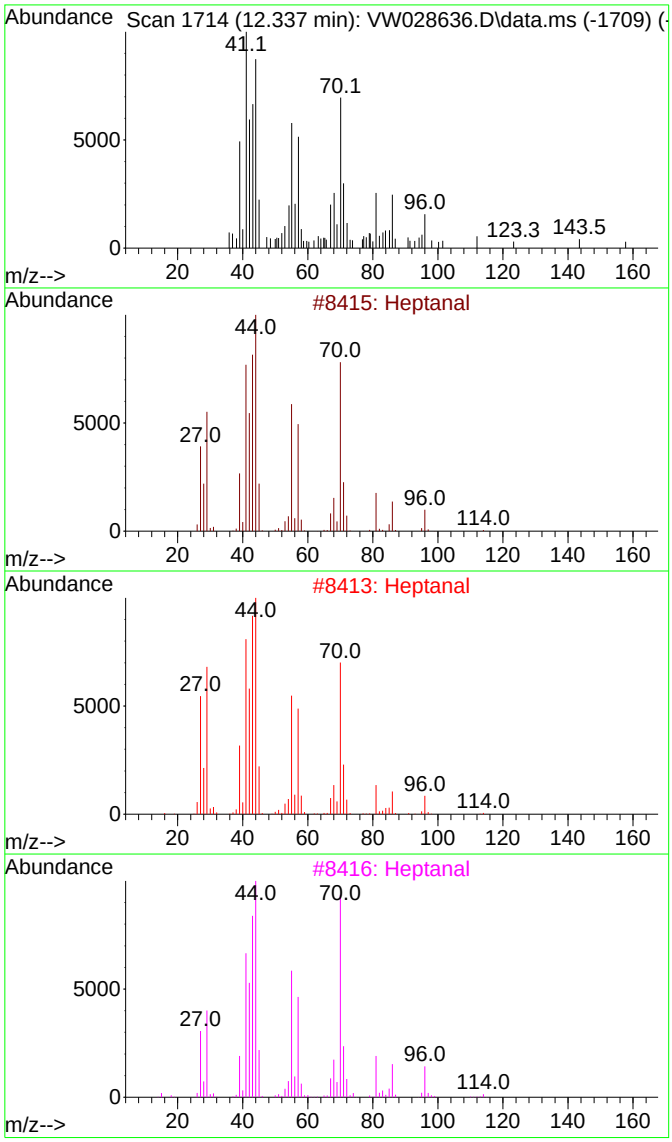
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

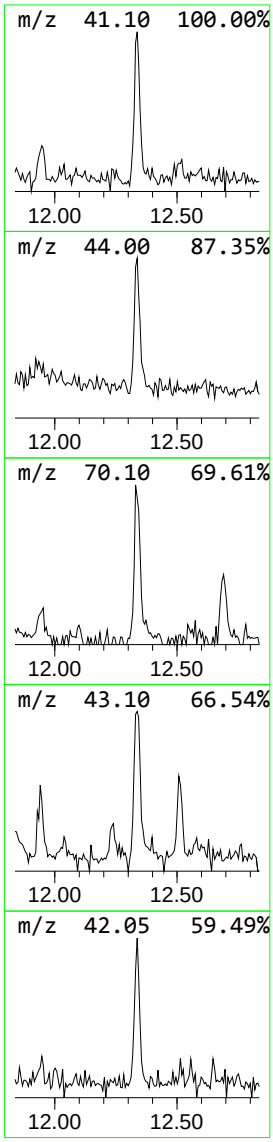
**********

Peak Number 8 Heptanal Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.337 | 1.31 ug/L | 29787 | Chlorobenzene-d5 | 11.630 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptanal | 114 | C7H14O | 000111-71-7 | 64 |
| 2 | Heptanal | 114 | C7H14O | 000111-71-7 | 53 |
| 3 | Heptanal | 114 | C7H14O | 000111-71-7 | 50 |
| 4 | Heptanal | 114 | C7H14O | 000111-71-7 | 50 |
| 5 | 2-Penten-1-ol, (E)- | 86 | C5H10O | 001576-96-1 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051724\
Data File : VW028636.D
Acq On : 17 May 2024 13:58
Operator : SY/MD
Sample : P2520-08
Misc : 5.28g/10mL/MSVOA_W/SOIL/VIAL A
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
BHB83

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
Quant Title : SFAM01.0

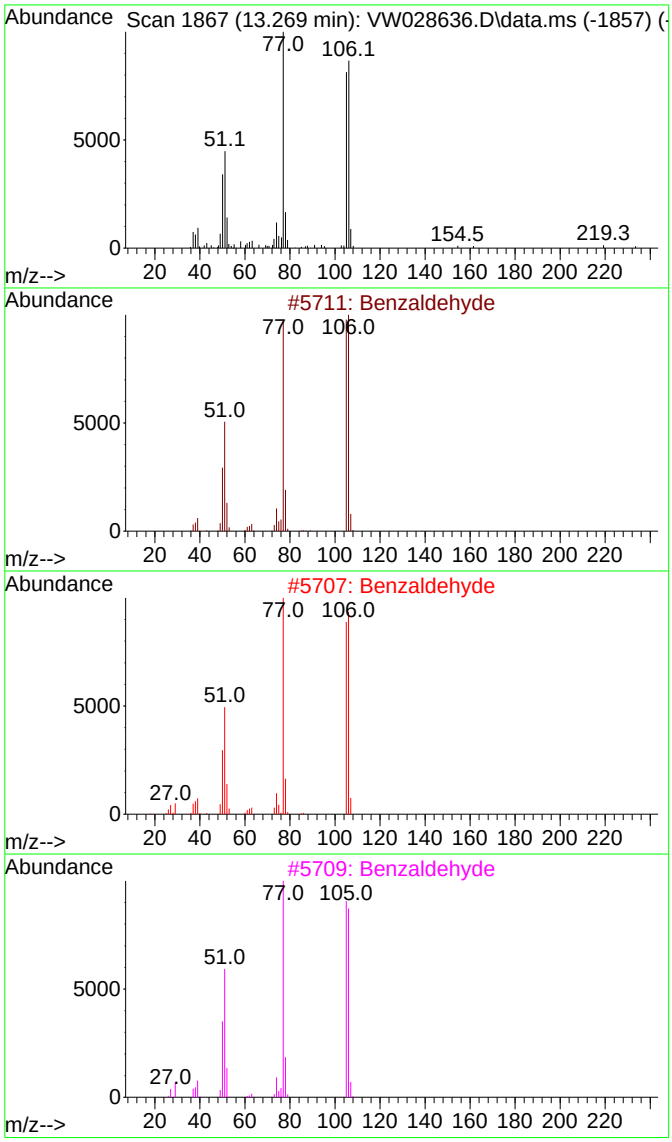
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

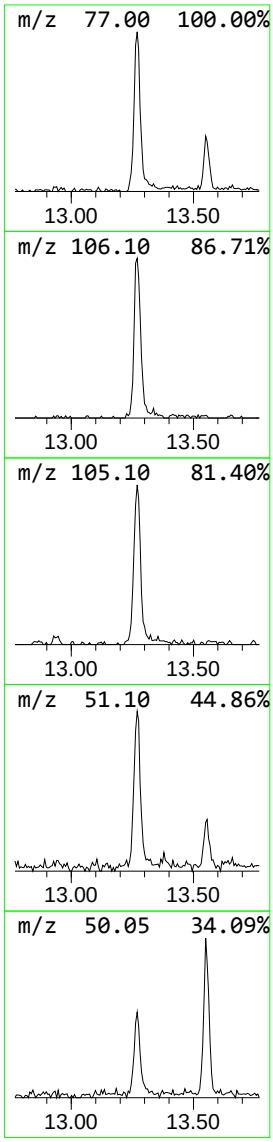
**********

Peak Number 10 Benzaldehyde Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.269 | 3.35 ug/L | 57855 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzaldehyde | 106 | C7H6O | 000100-52-7 | 97 |
| 2 | Benzaldehyde | 106 | C7H6O | 000100-52-7 | 96 |
| 3 | Benzaldehyde | 106 | C7H6O | 000100-52-7 | 94 |
| 4 | Benzaldehyde | 106 | C7H6O | 000100-52-7 | 91 |
| 5 | Benzaldehyde | 106 | C7H6O | 000100-52-7 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051724\
Data File : VW028636.D
Acq On : 17 May 2024 13:58
Operator : SY/MD
Sample : P2520-08
Misc : 5.28g/10mL/MSVOA_W/SOIL/VIAL A
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
BHB83

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
Quant Title : SFAM01.0

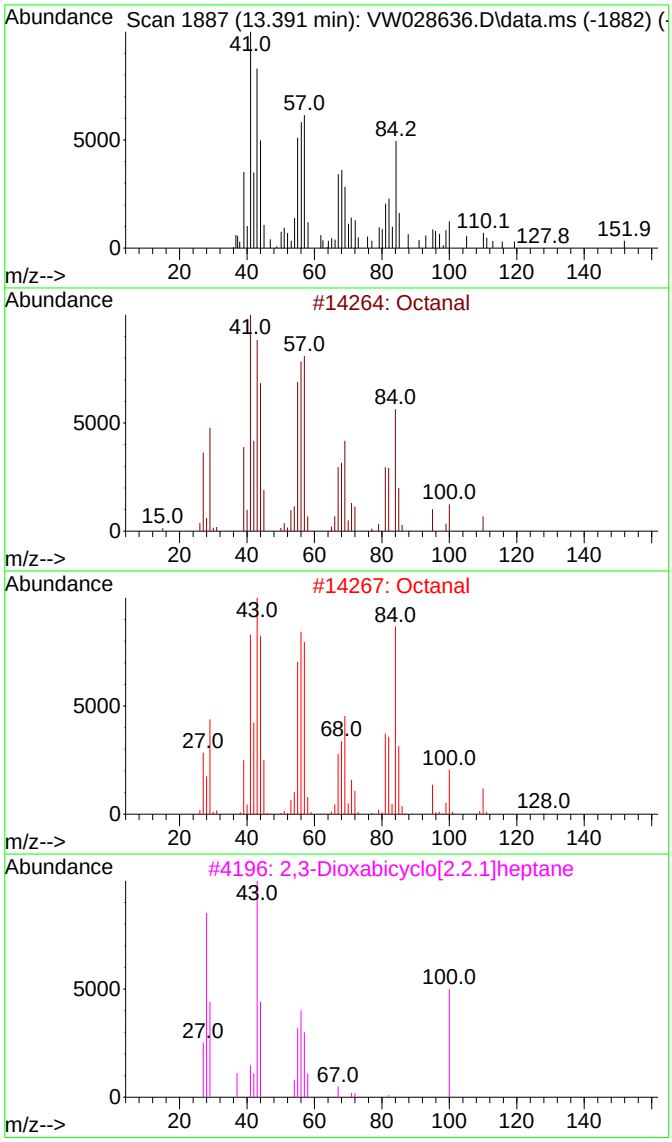
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

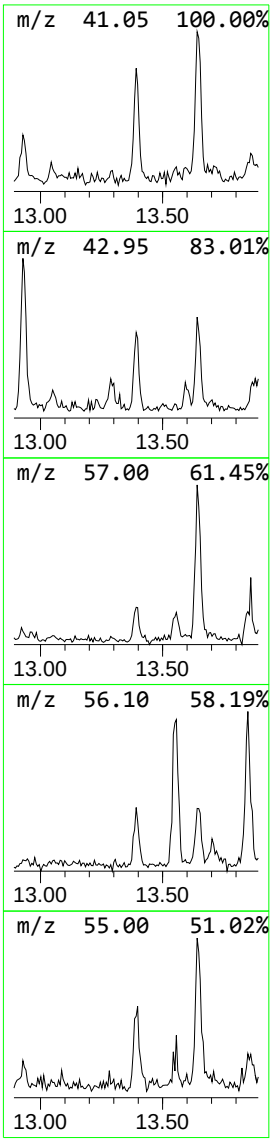
**********

Peak Number 11 Octanal Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.391 | 1.35 ug/L | 23380 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octanal | 128 | C8H16O | 000124-13-0 | 62 |
| 2 | Octanal | 128 | C8H16O | 000124-13-0 | 50 |
| 3 | 2,3-Dioxabicyclo[2.2.1]heptane | 100 | C5H8O2 | 000279-35-6 | 38 |
| 4 | Octanal | 128 | C8H16O | 000124-13-0 | 35 |
| 5 | Cyclopentanol, 2-methyl-, trans- | 100 | C6H12O | 025144-04-1 | 25 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051724\
Data File : VW028636.D
Acq On : 17 May 2024 13:58
Operator : SY/MD
Sample : P2520-08
Misc : 5.28g/10mL/MSVOA_W/SOIL/VIAL A
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
BHB83

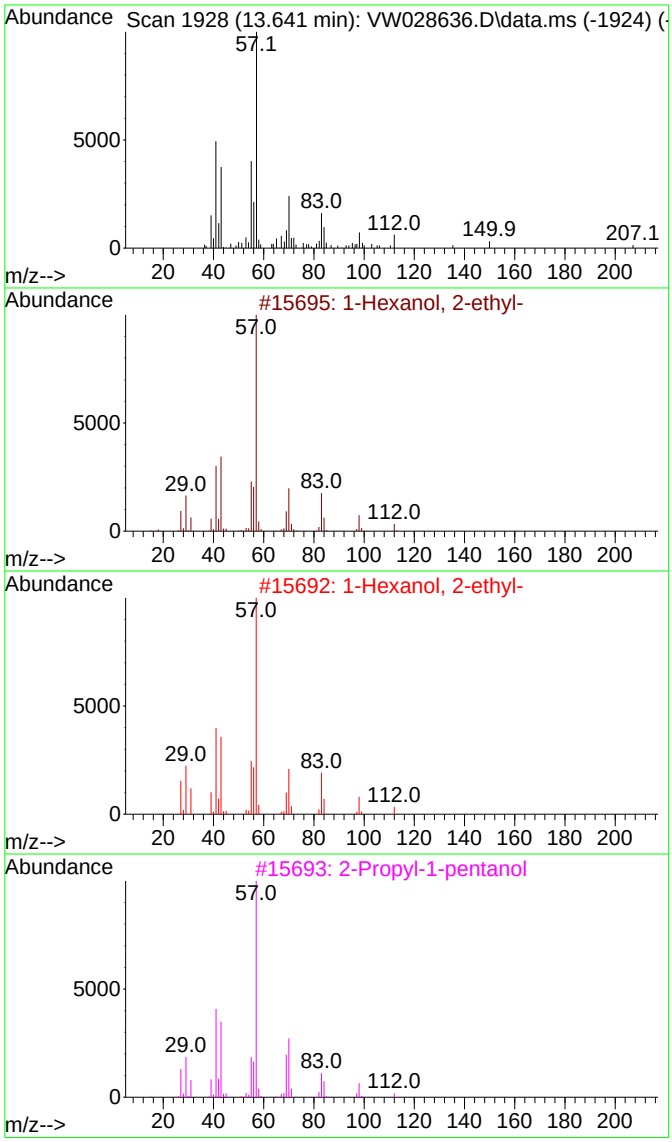
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
Quant Title : SFAM01.0

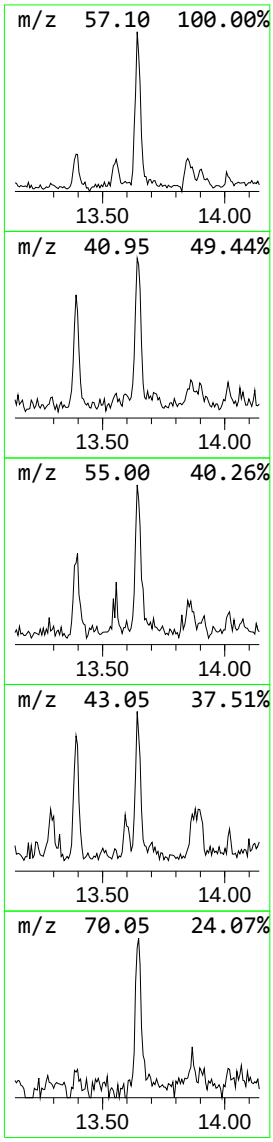
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 1-Hexanol, 2-ethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.641 | 1.57 ug/L | 27221 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 64 |
| 2 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 64 |
| 3 | 2-Propyl-1-pentanol | 130 | C8H18O | 058175-57-8 | 64 |
| 4 | 2-Propyl-1-pentanol | 130 | C8H18O | 058175-57-8 | 59 |
| 5 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 59 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051724\
Data File : VW028636.D
Acq On : 17 May 2024 13:58
Operator : SY/MD
Sample : P2520-08
Misc : 5.28g/10mL/MSVOA_W/SOIL/VIAL A
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
BHB83

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
Quant Title : SFAM01.0

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

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| unknown-01 | 2.503 | 8.4 | ug/L | 169035 | 1 | 8.843 | 505755 | 25.0 |
| Propanal, 2-met... | 5.789 | 1.7 | ug/L | 34095 | 1 | 8.843 | 505755 | 25.0 |
| Butanal, 3-methyl- | 8.551 | 1.8 | ug/L | 35590 | 1 | 8.843 | 505755 | 25.0 |
| unknown-02 | 8.703 | 1.3 | ug/L | 26925 | 1 | 8.843 | 505755 | 25.0 |
| Pentanal | 9.410 | 1.4 | ug/L | 28392 | 1 | 8.843 | 505755 | 25.0 |
| Hexanal | 11.069 | 2.9 | ug/L | 66667 | 2 | 11.630 | 566734 | 25.0 |
| Heptanal | 12.337 | 1.3 | ug/L | 29787 | 2 | 11.630 | 566734 | 25.0 |
| Benzaldehyde | 13.269 | 3.4 | ug/L | 57855 | 3 | 13.556 | 432198 | 25.0 |
| Octanal | 13.391 | 1.4 | ug/L | 23380 | 3 | 13.556 | 432198 | 25.0 |
| 1-Hexanol, 2-et... | 13.641 | 1.6 | ug/L | 27221 | 3 | 13.556 | 432198 | 25.0 |