LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101419\
Data File : VW013567.D
Acq On : 14 Oct 2019 17:17
Operator : SY/VA
Sample : K5354-06
Misc : 4.89G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** BFBB2

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\SOM2WLM101019S.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 | 2.349 | 67 | 73 | 80 | rVB | 36366 | 63142 | 11.81% | 1.847% |
| 2 | 2.885 | 154 | 161 | 172 | rBV | 31350 | 71143 | 13.31% | 2.082% |
| 3 | 3.227 | 215 | 217 | 218 | rBV | 336 | 221 | 0.04% | 0.006% |
| 4 | 3.379 | 241 | 242 | 244 | rBV2 | 354 | 313 | 0.06% | 0.009% |
| 5 | 3.464 | 253 | 256 | 257 | rBV | 294 | 325 | 0.06% | 0.010% |
| 6 | 3.666 | 286 | 289 | 292 | rVB2 | 296 | 340 | 0.06% | 0.010% |
| 7 | 3.842 | 316 | 318 | 321 | rVB2 | 236 | 247 | 0.05% | 0.007% |
| 8 | 4.007 | 333 | 345 | 356 | rBV | 61816 | 175041 | 32.74% | 5.122% |
| 9 | 4.196 | 374 | 376 | 379 | rVB | 428 | 334 | 0.06% | 0.010% |
| 10 | 4.306 | 390 | 394 | 395 | rVB2 | 199 | 240 | 0.04% | 0.007% |
| 11 | 4.385 | 405 | 407 | 409 | rVB3 | 393 | 268 | 0.05% | 0.008% |
| 12 | 4.409 | 409 | 411 | 413 | rVB | 378 | 228 | 0.04% | 0.007% |
| 13 | 4.440 | 413 | 416 | 418 | rBV | 253 | 231 | 0.04% | 0.007% |
| 14 | 4.562 | 433 | 436 | 438 | rBV2 | 411 | 468 | 0.09% | 0.014% |
| 15 | 4.604 | 440 | 443 | 446 | rVV2 | 267 | 251 | 0.05% | 0.007% |
| 16 | 4.903 | 485 | 492 | 500 | rBV5 | 2652 | 7886 | 1.48% | 0.231% |
| 17 | 4.995 | 505 | 507 | 511 | rVV3 | 577 | 750 | 0.14% | 0.022% |
| 18 | 5.056 | 515 | 517 | 519 | rBV | 391 | 263 | 0.05% | 0.008% |
| 19 | 5.159 | 532 | 534 | 537 | rVV2 | 220 | 249 | 0.05% | 0.007% |
| 20 | 5.568 | 600 | 601 | 606 | rVB2 | 409 | 379 | 0.07% | 0.011% |
| 21 | 5.659 | 615 | 616 | 620 | rVB | 304 | 286 | 0.05% | 0.008% |
| 22 | 5.714 | 623 | 625 | 627 | rVB | 434 | 274 | 0.05% | 0.008% |
| 23 | 5.769 | 632 | 634 | 636 | rBV | 252 | 277 | 0.05% | 0.008% |
| 24 | 5.934 | 654 | 661 | 669 | rVV5 | 1904 | 4620 | 0.86% | 0.135% |
| 25 | 6.494 | 749 | 753 | 755 | rVB2 | 254 | 355 | 0.07% | 0.010% |
| 26 | 6.561 | 760 | 764 | 765 | rVB2 | 283 | 319 | 0.06% | 0.009% |
| 27 | 6.976 | 826 | 832 | 833 | rBV2 | 274 | 489 | 0.09% | 0.014% |
| 28 | 7.013 | 836 | 838 | 839 | rBV | 318 | 299 | 0.06% | 0.009% |
| 29 | 7.074 | 840 | 848 | 865 | rBV | 23231 | 78399 | 14.66% | 2.294% |
| 30 | 7.275 | 880 | 881 | 883 | rBV | 388 | 241 | 0.05% | 0.007% |
| 31 | 7.317 | 885 | 888 | 889 | rBV | 231 | 293 | 0.05% | 0.009% |
| 32 | 7.372 | 895 | 897 | 899 | rBV2 | 366 | 396 | 0.07% | 0.012% |
| 33 | 7.647 | 930 | 942 | 956 | rBV | 93786 | 233456 | 43.67% | 6.831% |
| 34 | 7.848 | 974 | 975 | 978 | rBV2 | 281 | 291 | 0.05% | 0.009% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101419\
Data File : VW013567.D
Acq On : 14 Oct 2019 17:17
Operator : SY/VA
Sample : K5354-06
Misc : 4.89G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** BFBB2

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\SOM2WLM101019S.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 7.872 | 978 | 979 | 982 | rBV2 | 331 | 334 | 0.06% | 0.010% |
| 36 | 7.939 | 988 | 990 | 994 | rVB | 745 | 832 | 0.16% | 0.024% |
| 37 | 8.006 | 999 | 1001 | 1002 | rVB | 459 | 262 | 0.05% | 0.008% |
| 38 | 8.031 | 1002 | 1005 | 1007 | rBV3 | 295 | 371 | 0.07% | 0.011% |
| 39 | 8.067 | 1009 | 1011 | 1013 | rVB2 | 289 | 251 | 0.05% | 0.007% |
| 40 | 8.098 | 1013 | 1016 | 1018 | rBV | 350 | 319 | 0.06% | 0.009% |
| 41 | 8.275 | 1035 | 1045 | 1059 | rBV2 | 176247 | 534602 | 100.00% | 15.642% |
| 42 | 8.396 | 1063 | 1065 | 1067 | rBV | 303 | 270 | 0.05% | 0.008% |
| 43 | 8.518 | 1082 | 1085 | 1087 | rVB2 | 490 | 534 | 0.10% | 0.016% |
| 44 | 8.555 | 1090 | 1091 | 1093 | rBV2 | 262 | 236 | 0.04% | 0.007% |
| 45 | 8.646 | 1105 | 1106 | 1109 | rBV2 | 427 | 436 | 0.08% | 0.013% |
| 46 | 8.683 | 1109 | 1112 | 1114 | rVV | 519 | 382 | 0.07% | 0.011% |
| 47 | 8.842 | 1129 | 1138 | 1149 | rBV | 195086 | 388193 | 72.61% | 11.358% |
| 48 | 8.994 | 1162 | 1163 | 1166 | rBV2 | 276 | 351 | 0.07% | 0.010% |
| 49 | 9.073 | 1173 | 1176 | 1181 | rVV4 | 679 | 1244 | 0.23% | 0.036% |
| 50 | 9.110 | 1181 | 1182 | 1184 | rVV2 | 366 | 252 | 0.05% | 0.007% |
| 51 | 9.274 | 1199 | 1209 | 1218 | rBV | 129487 | 266526 | 49.86% | 7.798% |
| 52 | 9.591 | 1256 | 1261 | 1262 | rBV | 1127 | 1209 | 0.23% | 0.035% |
| 53 | 9.665 | 1269 | 1273 | 1277 | rVB3 | 939 | 1293 | 0.24% | 0.038% |
| 54 | 9.915 | 1312 | 1314 | 1317 | rVB2 | 271 | 230 | 0.04% | 0.007% |
| 55 | 9.957 | 1319 | 1321 | 1324 | rVB | 342 | 251 | 0.05% | 0.007% |
| 56 | 10.030 | 1327 | 1333 | 1342 | rBV | 50335 | 95480 | 17.86% | 2.794% |
| 57 | 10.128 | 1345 | 1349 | 1350 | rBV2 | 702 | 878 | 0.16% | 0.026% |
| 58 | 10.207 | 1360 | 1362 | 1363 | rBV | 399 | 287 | 0.05% | 0.008% |
| 59 | 10.323 | 1373 | 1381 | 1389 | rBV | 203124 | 357993 | 66.96% | 10.474% |
| 60 | 10.475 | 1401 | 1406 | 1411 | rBV | 1345 | 2428 | 0.45% | 0.071% |
| 61 | 10.579 | 1416 | 1423 | 1432 | rVB | 33594 | 56014 | 10.48% | 1.639% |
| 62 | 10.701 | 1437 | 1443 | 1449 | rVB3 | 3937 | 6818 | 1.28% | 0.199% |
| 63 | 10.780 | 1455 | 1456 | 1459 | rBV3 | 321 | 274 | 0.05% | 0.008% |
| 64 | 10.823 | 1462 | 1463 | 1464 | rBV | 351 | 234 | 0.04% | 0.007% |
| 65 | 10.866 | 1467 | 1470 | 1472 | rBV3 | 682 | 811 | 0.15% | 0.024% |
| 66 | 10.927 | 1472 | 1480 | 1494 | rBV2 | 71609 | 139550 | 26.10% | 4.083% |
| 67 | 11.244 | 1531 | 1532 | 1534 | rBV2 | 232 | 220 | 0.04% | 0.006% |
| 68 | 11.298 | 1538 | 1541 | 1545 | rBB2 | 166 | 244 | 0.05% | 0.007% |
| 69 | 11.573 | 1584 | 1586 | 1587 | rBV | 285 | 230 | 0.04% | 0.007% |
| 70 | 11.628 | 1588 | 1595 | 1606 | rVV | 185364 | 316489 | 59.20% | 9.260% |
| 71 | 12.158 | 1679 | 1682 | 1691 | rVB5 | 599 | 1028 | 0.19% | 0.030% |

LSC Area Percent Report

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Data File : VW013567.D
Acq On : 14 Oct 2019 17:17
Operator : SY/VA
Sample : K5354-06
Misc : 4.89G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** BFBB2

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\SOM2WLM101019S.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 12.262 | 1696 | 1699 | 1701 | rBV2 | 175 | 226 | 0.04% | 0.007% |
| 73 | 12.414 | 1721 | 1724 | 1726 | rBV2 | 195 | 226 | 0.04% | 0.007% |
| 74 | 12.469 | 1729 | 1733 | 1737 | rVV4 | 1462 | 2011 | 0.38% | 0.059% |
| 75 | 12.609 | 1750 | 1756 | 1763 | rVB | 15477 | 25011 | 4.68% | 0.732% |
| 76 | 12.695 | 1763 | 1770 | 1779 | rBV | 96850 | 165424 | 30.94% | 4.840% |
| 77 | 12.944 | 1808 | 1811 | 1813 | rBV2 | 472 | 584 | 0.11% | 0.017% |
| 78 | 12.969 | 1813 | 1815 | 1818 | rVB | 250 | 236 | 0.04% | 0.007% |
| 79 | 12.993 | 1818 | 1819 | 1820 | rBV | 512 | 229 | 0.04% | 0.007% |
| 80 | 13.012 | 1820 | 1822 | 1827 | rVB2 | 375 | 528 | 0.10% | 0.015% |
| 81 | 13.060 | 1827 | 1830 | 1831 | rBV | 363 | 389 | 0.07% | 0.011% |
| 82 | 13.127 | 1839 | 1841 | 1845 | rBV2 | 249 | 314 | 0.06% | 0.009% |
| 83 | 13.219 | 1853 | 1856 | 1857 | rBV2 | 291 | 282 | 0.05% | 0.008% |
| 84 | 13.255 | 1858 | 1862 | 1864 | rVV3 | 335 | 494 | 0.09% | 0.014% |
| 85 | 13.298 | 1868 | 1869 | 1871 | rVB | 470 | 292 | 0.05% | 0.009% |
| 86 | 13.316 | 1871 | 1872 | 1876 | rBV2 | 351 | 327 | 0.06% | 0.010% |
| 87 | 13.365 | 1878 | 1880 | 1882 | rBV | 483 | 268 | 0.05% | 0.008% |
| 88 | 13.469 | 1893 | 1897 | 1901 | rBV4 | 967 | 1377 | 0.26% | 0.040% |
| 89 | 13.554 | 1905 | 1911 | 1919 | rVV | 83517 | 141954 | 26.55% | 4.153% |
| 90 | 13.646 | 1922 | 1926 | 1933 | rVB3 | 4789 | 8636 | 1.62% | 0.253% |
| 91 | 13.707 | 1933 | 1936 | 1937 | rBV3 | 551 | 544 | 0.10% | 0.016% |
| 92 | 13.853 | 1954 | 1960 | 1967 | rBV | 74752 | 122293 | 22.88% | 3.578% |
| 93 | 14.066 | 1990 | 1995 | 2001 | rBV2 | 32297 | 52536 | 9.83% | 1.537% |
| 94 | 14.359 | 2041 | 2043 | 2045 | rBV2 | 368 | 269 | 0.05% | 0.008% |
| 95 | 14.469 | 2060 | 2061 | 2063 | rBV | 413 | 353 | 0.07% | 0.010% |
| 96 | 14.523 | 2066 | 2070 | 2076 | rVB4 | 5075 | 7402 | 1.38% | 0.217% |
| 97 | 15.249 | 2186 | 2189 | 2196 | rVB6 | 2678 | 4408 | 0.82% | 0.129% |
| 98 | 15.407 | 2213 | 2215 | 2217 | rBV2 | 513 | 332 | 0.06% | 0.010% |
| 99 | 15.493 | 2223 | 2229 | 2238 | rVB | 34694 | 60746 | 11.36% | 1.777% |
| 100 | 15.761 | 2272 | 2273 | 2275 | rBV2 | 528 | 404 | 0.08% | 0.012% |

Sum of corrected areas: 3417765

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101419\
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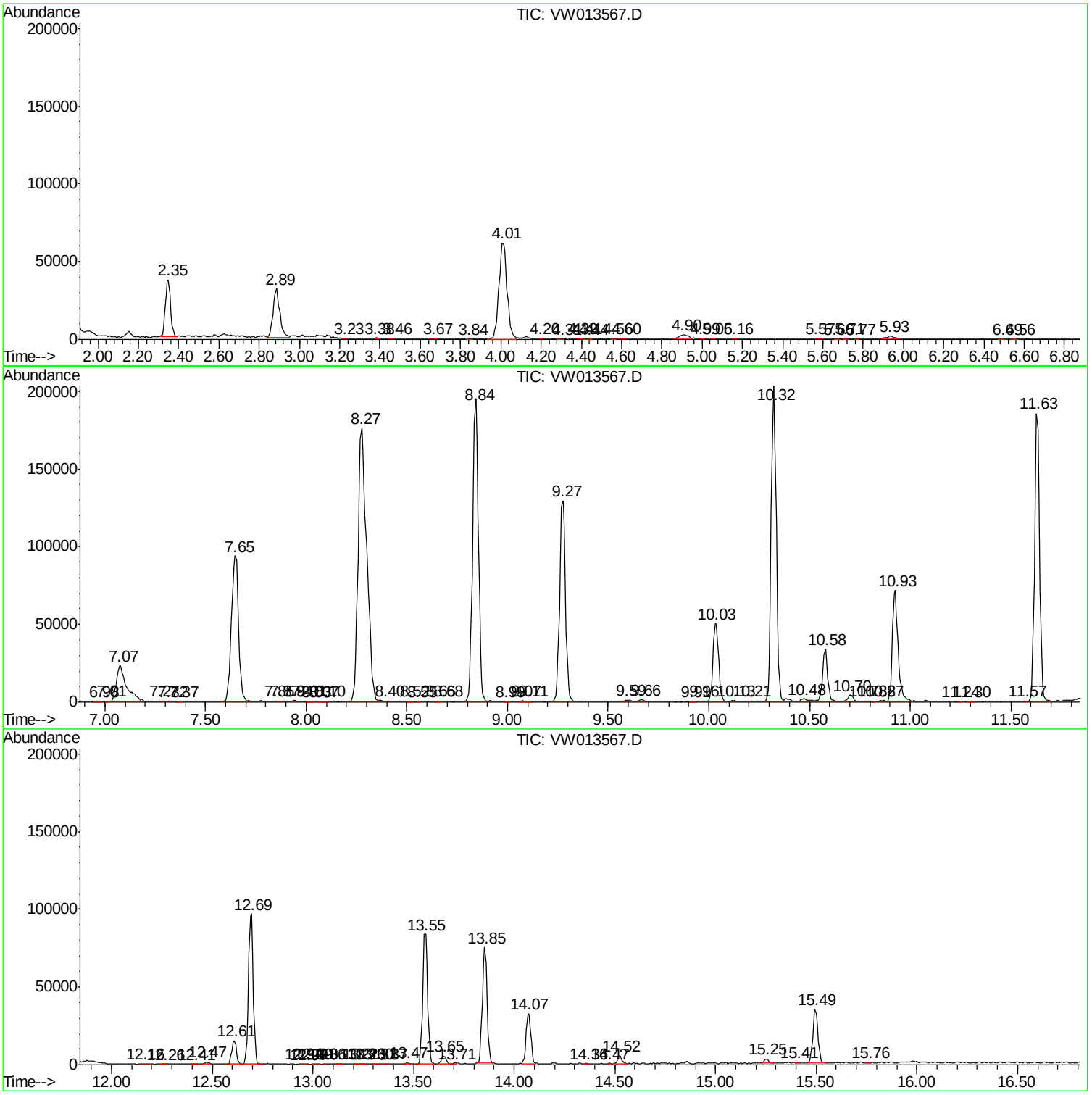
Sample : K5354-06
Misc : 4.89G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** BFBB2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101419\
Data File : VW013567.D
Acq On : 14 Oct 2019 17:17
Operator : SY/VA
Sample : K5354-06
Misc : 4.89G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** BFBB2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
Quant Title : VOC Analysis

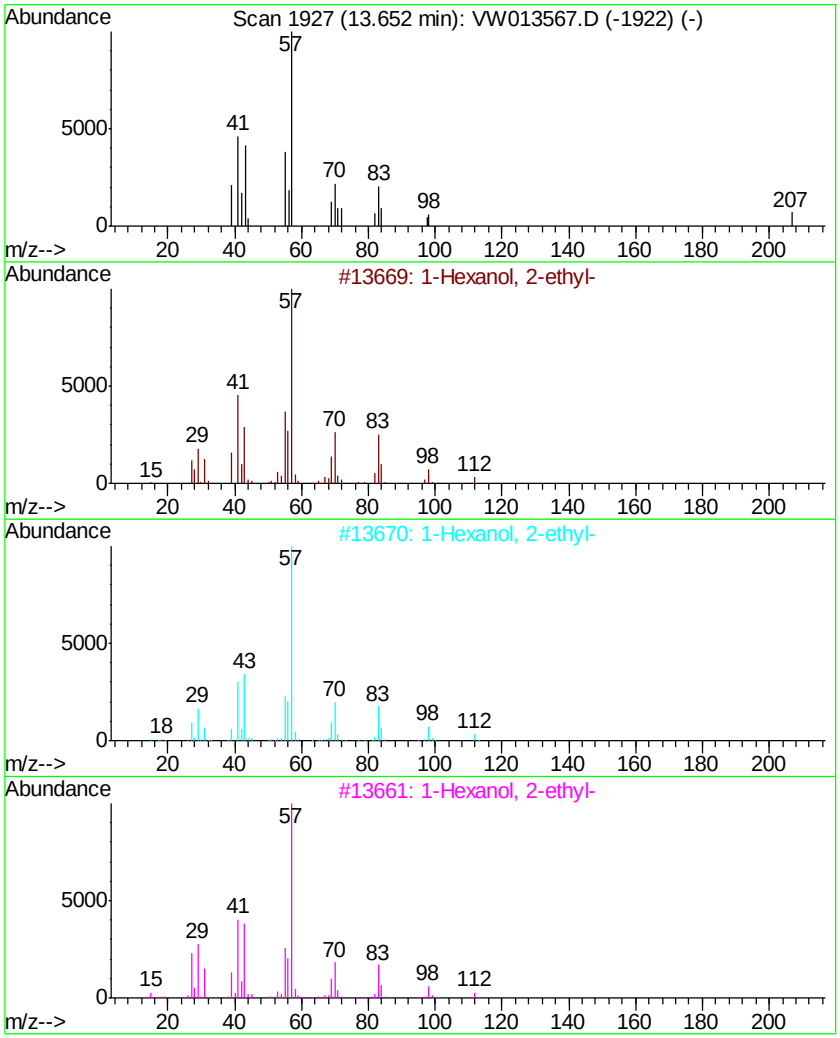
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

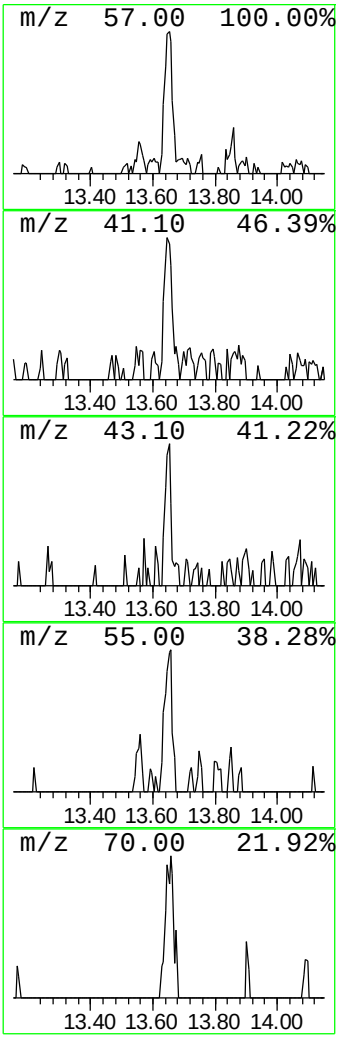
**********

Peak Number 3 1-Hexanol, 2-ethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.65 | 1.52 ug/L | 8636 | 1,4-Dichlorobenzene-d4 | 13.55 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 72 |
| 2 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 50 |
| 3 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 42 |
| 4 | 2-Propyl-1-pentanol | 130 | C8H18O | 058175-57-8 | 33 |
| 5 | 1-Octyn-3-ol, 4-ethyl- | 154 | C10H18O | 005877-42-9 | 32 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101419\
Data File : VW013567.D
Acq On : 14 Oct 2019 17:17
Operator : SY/VA
Sample : K5354-06
Misc : 4.89G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** BFBB2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
Quant Title : VOC Analysis

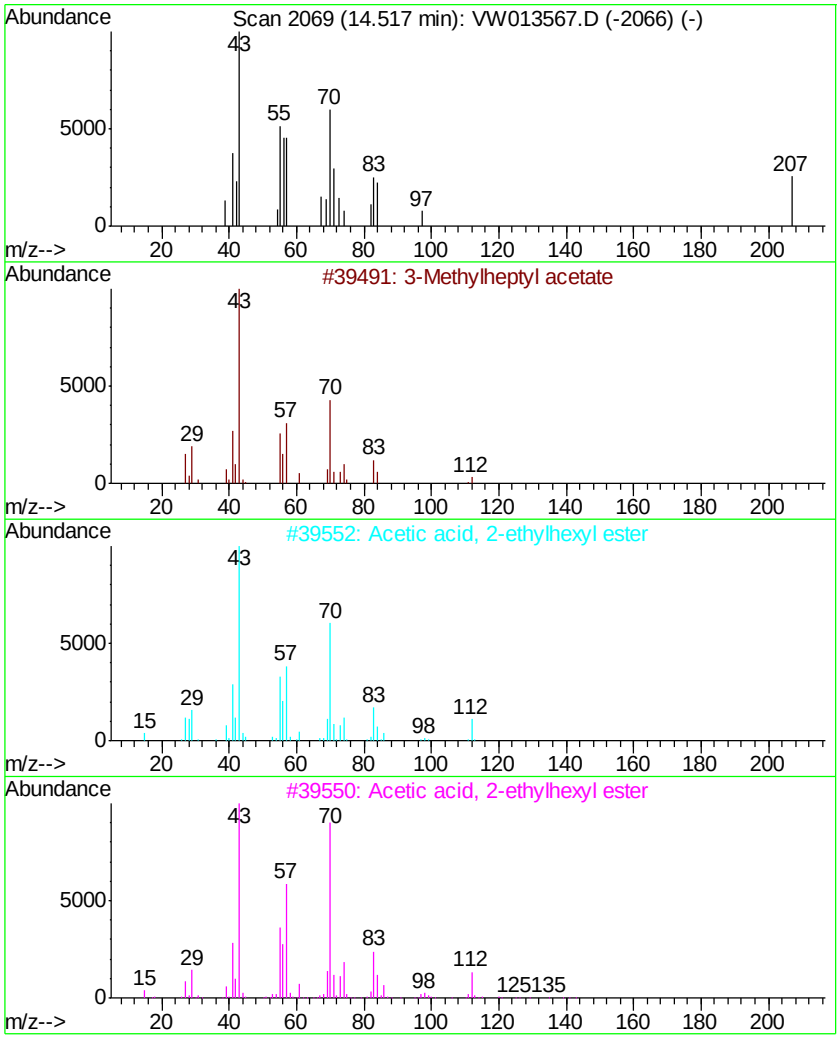
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

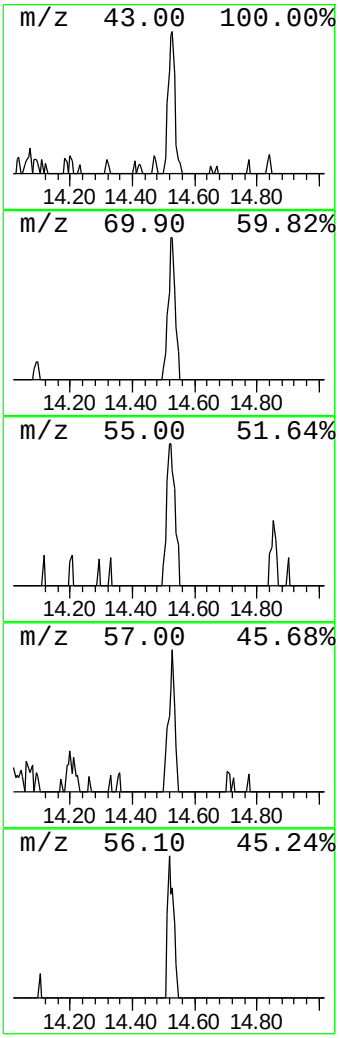
**********

Peak Number 5 3-Methylheptyl acetate Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.52 | 1.30 ug/L | 7402 | 1,4-Dichlorobenzene-d4 | 13.55 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Methylheptyl acetate | 172 | C10H20O2 | 072218-58-7 | 64 |
| 2 | Acetic acid, 2-ethylhexyl ester | 172 | C10H20O2 | 000103-09-3 | 59 |
| 3 | Acetic acid, 2-ethylhexyl ester | 172 | C10H20O2 | 000103-09-3 | 59 |
| 4 | 2-Decenal, (E)- | 154 | C10H18O | 003913-81-3 | 53 |
| 5 | Cyclopentane, 1,2,3-trimethyl-, ... | 112 | C8H16 | 002613-69-6 | 52 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101419\
Data File : VW013567.D
Acq On : 14 Oct 2019 17:17
Operator : SY/VA
Sample : K5354-06
Misc : 4.89G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** BFBB2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
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 |
| 1-Hexanol, 2-ethyl- | 13.65 | 1.5 | ug/L | 8636 | 3 | 13.55 | 141954 | 25.0 |
| 3-Methylheptyl ac... | 14.52 | 1.3 | ug/L | 7402 | 3 | 13.55 | 141954 | 25.0 |