LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102920\
Data File : VW017022.D
Acq On : 29 Oct 2020 11:54
Operator : SY/VA
Sample : L4502-18
Misc : 5.02G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** BG441

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\SOM2WLM102220S.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 | 2.160 | 37 | 42 | 44 | rBV2 | 2488 | 3960 | 0.01% | 0.006% |
| 2 | 2.355 | 68 | 74 | 85 | rVB | 115131 | 221762 | 0.43% | 0.328% |
| 3 | 2.891 | 155 | 162 | 180 | rVB | 77162 | 190317 | 0.37% | 0.281% |
| 4 | 3.379 | 239 | 242 | 243 | rBV2 | 753 | 804 | 0.00% | 0.001% |
| 5 | 3.678 | 287 | 291 | 294 | rBV3 | 436 | 724 | 0.00% | 0.001% |
| 6 | 3.910 | 326 | 329 | 335 | rVB3 | 316 | 683 | 0.00% | 0.001% |
| 7 | 4.019 | 335 | 347 | 362 | rBV | 193099 | 607482 | 1.19% | 0.898% |
| 8 | 4.391 | 398 | 408 | 421 | rBV2 | 4340 | 14899 | 0.03% | 0.022% |
| 9 | 4.922 | 484 | 495 | 508 | rBV3 | 8893 | 32019 | 0.06% | 0.047% |
| 10 | 5.111 | 525 | 526 | 531 | rVV2 | 315 | 541 | 0.00% | 0.001% |
| 11 | 5.409 | 572 | 575 | 576 | rBV3 | 509 | 704 | 0.00% | 0.001% |
| 12 | 5.434 | 576 | 579 | 586 | rVB4 | 869 | 1855 | 0.00% | 0.003% |
| 13 | 5.757 | 629 | 632 | 633 | rBV3 | 589 | 637 | 0.00% | 0.001% |
| 14 | 5.781 | 633 | 636 | 639 | rBV3 | 1138 | 1752 | 0.00% | 0.003% |
| 15 | 5.946 | 653 | 663 | 672 | rVB3 | 5297 | 15360 | 0.03% | 0.023% |
| 16 | 6.897 | 813 | 819 | 821 | rBV5 | 1177 | 2099 | 0.00% | 0.003% |
| 17 | 7.080 | 840 | 849 | 855 | rBV | 29012 | 82612 | 0.16% | 0.122% |
| 18 | 7.537 | 922 | 924 | 928 | rBV2 | 372 | 490 | 0.00% | 0.001% |
| 19 | 7.647 | 931 | 942 | 956 | rBV | 259290 | 634968 | 1.24% | 0.939% |
| 20 | 7.952 | 986 | 992 | 1003 | rVB6 | 1637 | 3914 | 0.01% | 0.006% |
| 21 | 8.153 | 1021 | 1025 | 1029 | rBV4 | 529 | 826 | 0.00% | 0.001% |
| 22 | 8.275 | 1033 | 1045 | 1063 | rBV2 | 524284 | 1580609 | 3.10% | 2.337% |
| 23 | 8.476 | 1074 | 1078 | 1082 | rBV2 | 551 | 915 | 0.00% | 0.001% |
| 24 | 8.561 | 1087 | 1092 | 1096 | rVB7 | 960 | 1434 | 0.00% | 0.002% |
| 25 | 8.628 | 1098 | 1103 | 1107 | rVB3 | 347 | 591 | 0.00% | 0.001% |
| 26 | 8.695 | 1109 | 1114 | 1118 | rBV3 | 1023 | 2209 | 0.00% | 0.003% |
| 27 | 8.842 | 1126 | 1138 | 1159 | rBV | 671745 | 1334591 | 2.61% | 1.974% |
| 28 | 8.982 | 1159 | 1161 | 1164 | rVB3 | 497 | 566 | 0.00% | 0.001% |
| 29 | 9.092 | 1170 | 1179 | 1197 | rBV | 2346896 | 4544372 | 8.90% | 6.720% |
| 30 | 9.274 | 1200 | 1209 | 1218 | rBV | 317262 | 647540 | 1.27% | 0.958% |
| 31 | 9.415 | 1228 | 1232 | 1237 | rVB3 | 1579 | 2610 | 0.01% | 0.004% |
| 32 | 9.671 | 1267 | 1274 | 1276 | rBV3 | 720 | 1037 | 0.00% | 0.002% |
| 33 | 9.762 | 1284 | 1289 | 1294 | rVB3 | 1390 | 2461 | 0.00% | 0.004% |
| 34 | 9.890 | 1304 | 1310 | 1318 | rVB6 | 3017 | 6195 | 0.01% | 0.009% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102920\
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Acq On : 29 Oct 2020 11:54
Operator : SY/VA
Sample : L4502-18
Misc : 5.02G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** BG441

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\SOM2WLM102220S.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 9.957 | 1318 | 1321 | 1325 | rBV2 | 624 | 883 | 0.00% | 0.001% |
| 36 | 10.036 | 1326 | 1334 | 1344 | rBV | 171173 | 312217 | 0.61% | 0.462% |
| 37 | 10.146 | 1350 | 1352 | 1356 | rVB3 | 765 | 831 | 0.00% | 0.001% |
| 38 | 10.213 | 1358 | 1363 | 1367 | rBV2 | 3819 | 6817 | 0.01% | 0.010% |
| 39 | 10.329 | 1373 | 1382 | 1389 | rBV | 758339 | 1375350 | 2.69% | 2.034% |
| 40 | 10.390 | 1389 | 1392 | 1399 | rVB | 6924 | 11478 | 0.02% | 0.017% |
| 41 | 10.500 | 1404 | 1410 | 1414 | rVB6 | 1459 | 2519 | 0.00% | 0.004% |
| 42 | 10.579 | 1417 | 1423 | 1430 | rBV | 105743 | 179705 | 0.35% | 0.266% |
| 43 | 10.634 | 1430 | 1432 | 1438 | rVB4 | 1559 | 2370 | 0.00% | 0.004% |
| 44 | 10.707 | 1438 | 1444 | 1451 | rVB | 27656 | 46394 | 0.09% | 0.069% |
| 45 | 10.860 | 1461 | 1469 | 1470 | rBV | 44689338 | 51060239 | 100.00% | 75.508% |
| 46 | 11.067 | 1499 | 1503 | 1511 | rVB4 | 13593 | 27368 | 0.05% | 0.040% |
| 47 | 11.439 | 1560 | 1564 | 1569 | rVB | 8948 | 14543 | 0.03% | 0.022% |
| 48 | 11.585 | 1586 | 1588 | 1589 | rBV2 | 823 | 737 | 0.00% | 0.001% |
| 49 | 11.634 | 1589 | 1596 | 1608 | rVV | 857152 | 1416939 | 2.78% | 2.095% |
| 50 | 11.731 | 1608 | 1612 | 1617 | rVB3 | 3468 | 5901 | 0.01% | 0.009% |
| 51 | 11.774 | 1617 | 1619 | 1622 | rVB2 | 897 | 787 | 0.00% | 0.001% |
| 52 | 11.841 | 1624 | 1630 | 1636 | rVB3 | 7740 | 14385 | 0.03% | 0.021% |
| 53 | 12.170 | 1678 | 1684 | 1694 | rVB4 | 4364 | 8531 | 0.02% | 0.013% |
| 54 | 12.341 | 1708 | 1712 | 1716 | rVV5 | 2199 | 3870 | 0.01% | 0.006% |
| 55 | 12.463 | 1729 | 1732 | 1737 | rVV3 | 1419 | 1631 | 0.00% | 0.002% |
| 56 | 12.609 | 1749 | 1756 | 1762 | rVB2 | 38361 | 62664 | 0.12% | 0.093% |
| 57 | 12.695 | 1762 | 1770 | 1778 | rBV | 207394 | 335741 | 0.66% | 0.496% |
| 58 | 12.762 | 1778 | 1781 | 1784 | rVV4 | 1058 | 1269 | 0.00% | 0.002% |
| 59 | 12.804 | 1784 | 1788 | 1793 | rVB2 | 2056 | 3137 | 0.01% | 0.005% |
| 60 | 12.871 | 1793 | 1799 | 1802 | rBV | 7197 | 11932 | 0.02% | 0.018% |
| 61 | 12.938 | 1806 | 1810 | 1821 | rVB4 | 13280 | 25117 | 0.05% | 0.037% |
| 62 | 13.036 | 1821 | 1826 | 1830 | rVB3 | 2338 | 3535 | 0.01% | 0.005% |
| 63 | 13.103 | 1832 | 1837 | 1845 | rVB | 3776 | 6708 | 0.01% | 0.010% |
| 64 | 13.194 | 1845 | 1852 | 1856 | rBV7 | 1500 | 2545 | 0.00% | 0.004% |
| 65 | 13.249 | 1856 | 1861 | 1866 | rBV | 20906 | 34712 | 0.07% | 0.051% |
| 66 | 13.298 | 1866 | 1869 | 1875 | rVB2 | 5908 | 8648 | 0.02% | 0.013% |
| 67 | 13.383 | 1875 | 1883 | 1890 | rBV6 | 6445 | 21887 | 0.04% | 0.032% |
| 68 | 13.444 | 1890 | 1893 | 1897 | rVV2 | 3863 | 4919 | 0.01% | 0.007% |
| 69 | 13.499 | 1898 | 1902 | 1905 | rVV2 | 5261 | 7706 | 0.02% | 0.011% |
| 70 | 13.560 | 1905 | 1912 | 1924 | rVV | 738437 | 1209803 | 2.37% | 1.789% |
| 71 | 13.652 | 1924 | 1927 | 1930 | rVB4 | 2024 | 2531 | 0.00% | 0.004% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102920\
Data File : VW017022.D
Acq On : 29 Oct 2020 11:54
Operator : SY/VA
Sample : L4502-18
Misc : 5.02G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** BG441

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\SOM2WLM102220S.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 13.749 | 1933 | 1943 | 1946 | rBV | 41702 | 77344 | 0.15% | 0.114% |
| 73 | 13.792 | 1946 | 1950 | 1954 | rVV2 | 47447 | 94857 | 0.19% | 0.140% |
| 74 | 13.853 | 1954 | 1960 | 1971 | rVV | 518737 | 886283 | 1.74% | 1.311% |
| 75 | 13.950 | 1971 | 1976 | 1981 | rVV | 19092 | 28385 | 0.06% | 0.042% |
| 76 | 14.011 | 1981 | 1986 | 1988 | rVV | 19454 | 29668 | 0.06% | 0.044% |
| 77 | 14.042 | 1988 | 1991 | 1994 | rVV | 28680 | 47730 | 0.09% | 0.071% |
| 78 | 14.097 | 1997 | 2000 | 2006 | rVB | 38898 | 60051 | 0.12% | 0.089% |
| 79 | 14.206 | 2012 | 2018 | 2022 | rVB5 | 6913 | 14089 | 0.03% | 0.021% |
| 80 | 14.255 | 2022 | 2026 | 2027 | rBV3 | 2101 | 2667 | 0.01% | 0.004% |
| 81 | 14.341 | 2034 | 2040 | 2047 | rVB3 | 12219 | 21783 | 0.04% | 0.032% |
| 82 | 14.420 | 2047 | 2053 | 2056 | rBV | 24476 | 39732 | 0.08% | 0.059% |
| 83 | 14.456 | 2056 | 2059 | 2064 | rVB | 35232 | 53662 | 0.11% | 0.079% |
| 84 | 14.505 | 2064 | 2067 | 2069 | rBV3 | 1524 | 1751 | 0.00% | 0.003% |
| 85 | 14.572 | 2075 | 2078 | 2082 | rVB5 | 2019 | 2874 | 0.01% | 0.004% |
| 86 | 14.639 | 2084 | 2089 | 2093 | rBV7 | 2787 | 5255 | 0.01% | 0.008% |
| 87 | 14.694 | 2093 | 2098 | 2101 | rBV3 | 5953 | 9619 | 0.02% | 0.014% |
| 88 | 14.798 | 2109 | 2115 | 2123 | rVB4 | 12167 | 24610 | 0.05% | 0.036% |
| 89 | 14.877 | 2123 | 2128 | 2130 | rBV5 | 838 | 1328 | 0.00% | 0.002% |
| 90 | 14.956 | 2138 | 2141 | 2147 | rBV5 | 838 | 1719 | 0.00% | 0.003% |
| 91 | 15.054 | 2153 | 2157 | 2159 | rBV5 | 1102 | 1796 | 0.00% | 0.003% |
| 92 | 15.176 | 2174 | 2177 | 2183 | rVB5 | 2038 | 4122 | 0.01% | 0.006% |
| 93 | 15.328 | 2197 | 2202 | 2204 | rBV5 | 919 | 1719 | 0.00% | 0.003% |
| 94 | 15.365 | 2206 | 2208 | 2215 | rVV3 | 3152 | 6290 | 0.01% | 0.009% |
| 95 | 15.438 | 2215 | 2220 | 2226 | rVV | 9710 | 17373 | 0.03% | 0.026% |
| 96 | 15.493 | 2227 | 2229 | 2234 | rVV4 | 1888 | 2930 | 0.01% | 0.004% |
| 97 | 15.554 | 2236 | 2239 | 2243 | rVB4 | 1377 | 1808 | 0.00% | 0.003% |
| 98 | 15.846 | 2285 | 2287 | 2290 | rVB3 | 1131 | 996 | 0.00% | 0.001% |
| 99 | 15.956 | 2303 | 2305 | 2309 | rBV4 | 779 | 770 | 0.00% | 0.001% |
| 100 | 16.377 | 2372 | 2374 | 2377 | rBV3 | 668 | 846 | 0.00% | 0.001% |

Sum of corrected areas: 67621944

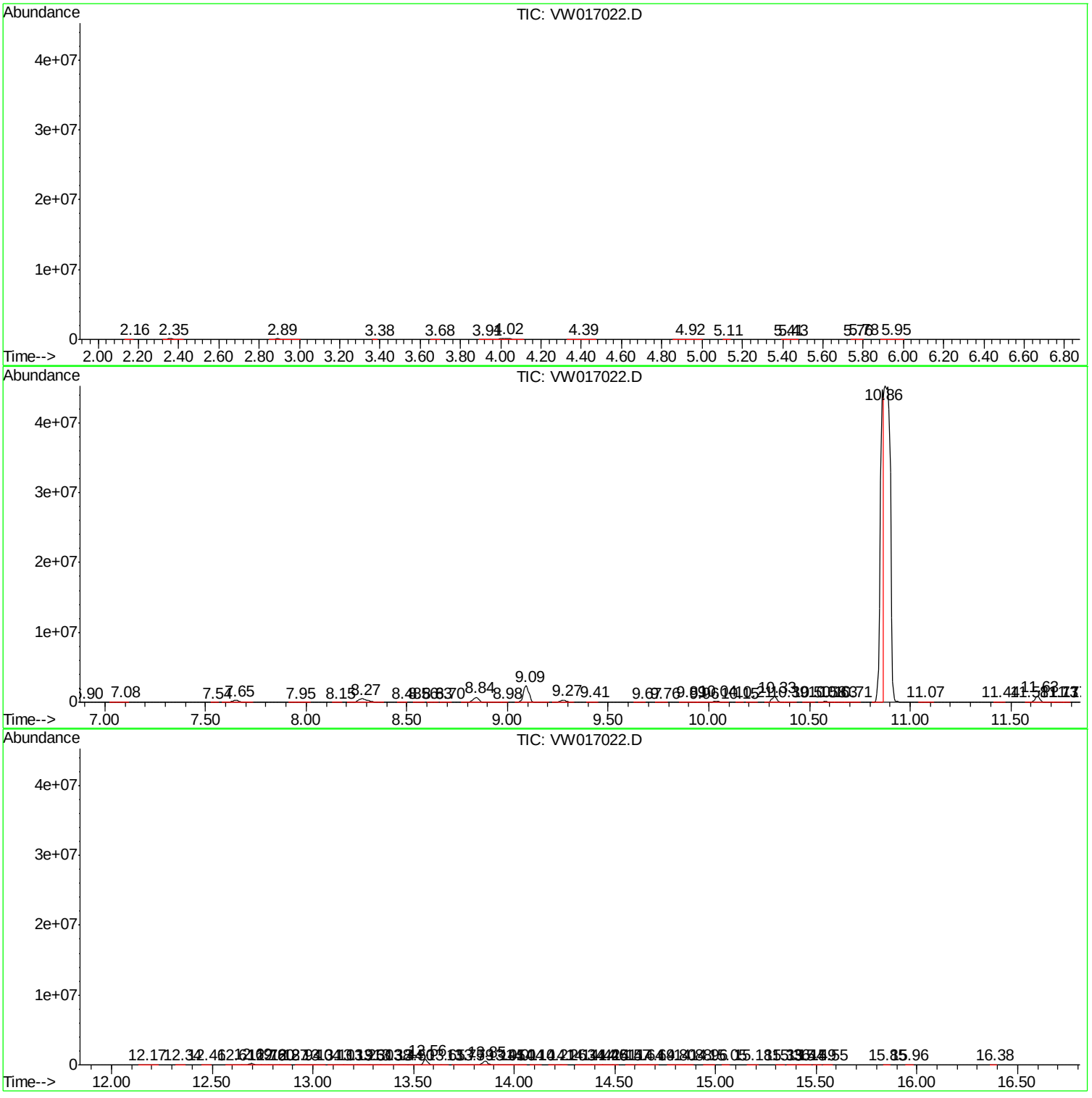
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102920\
Data File : VW017022.D
Acq On : 29 Oct 2020 11:54
Operator : SY/VA
Sample : L4502-18
Misc : 5.02G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** BG441

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.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\VW102920\
Data File : VW017022.D
Acq On : 29 Oct 2020 11:54
Operator : SY/VA
Sample : L4502-18
Misc : 5.02G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** BG441

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
Quant Title : VOC Analysis

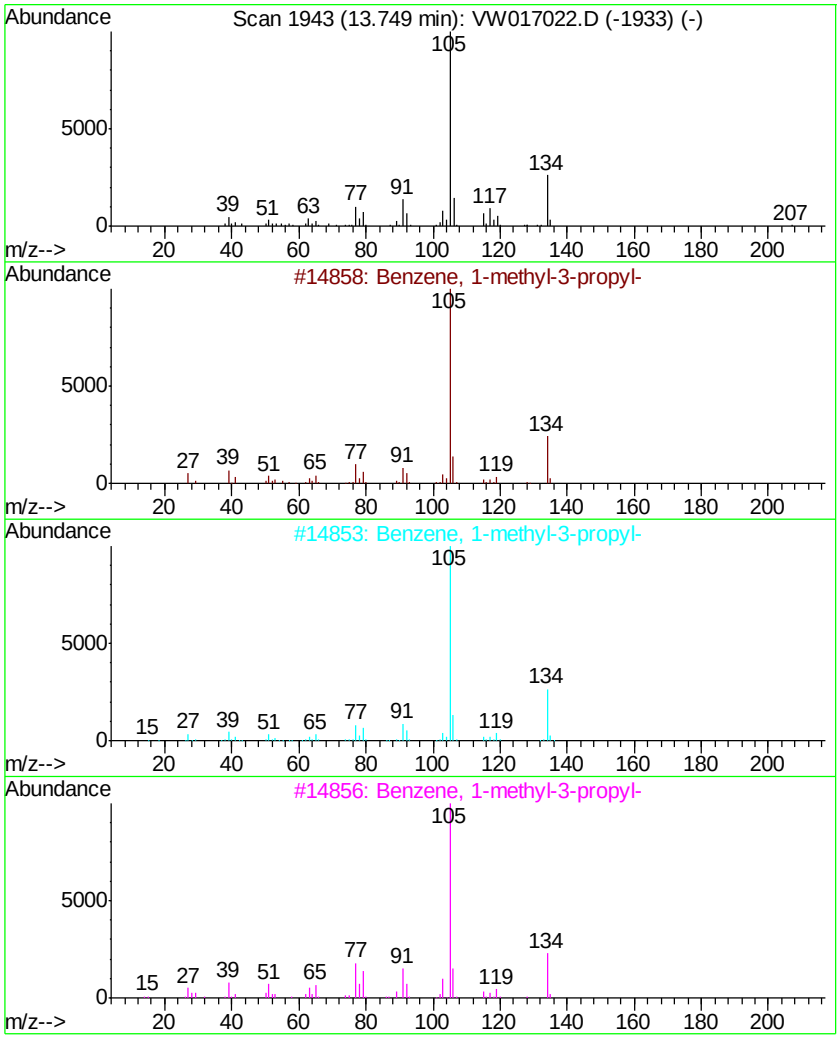
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

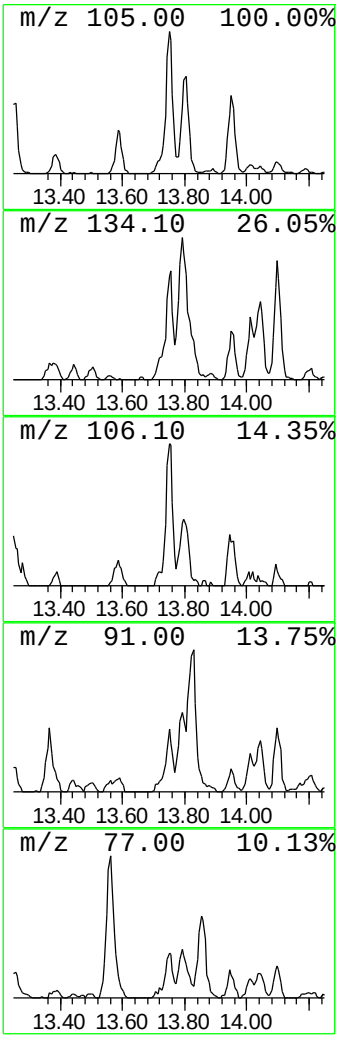
**********

Peak Number 3 Benzene, 1-methyl-3-propyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.75 | 1.60 ug/L | 77344 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-3-propyl- | 134 | C10H14 | 001074-43-7 | 90 |
| 2 | Benzene, 1-methyl-3-propyl- | 134 | C10H14 | 001074-43-7 | 90 |
| 3 | Benzene, 1-methyl-3-propyl- | 134 | C10H14 | 001074-43-7 | 87 |
| 4 | 2-Indanol | 134 | C9H10O | 004254-29-9 | 87 |
| 5 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 87 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102920\
Data File : VW017022.D
Acq On : 29 Oct 2020 11:54
Operator : SY/VA
Sample : L4502-18
Misc : 5.02G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** BG441

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
Quant Title : VOC Analysis

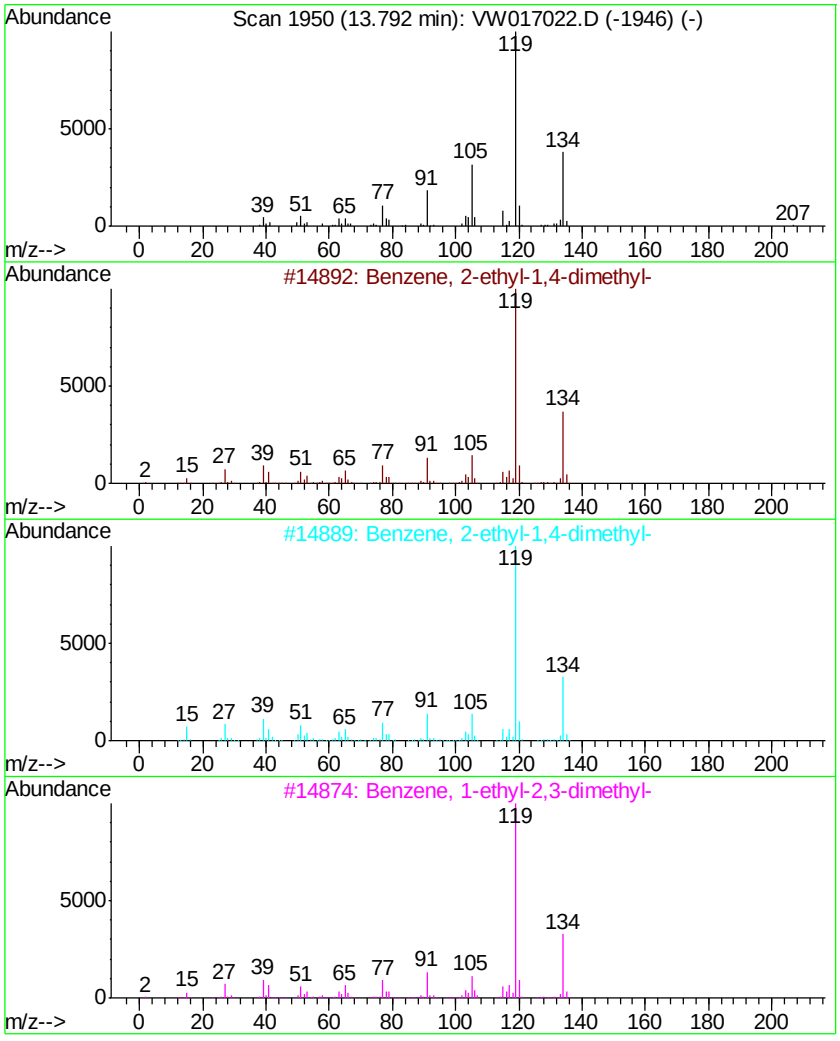
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

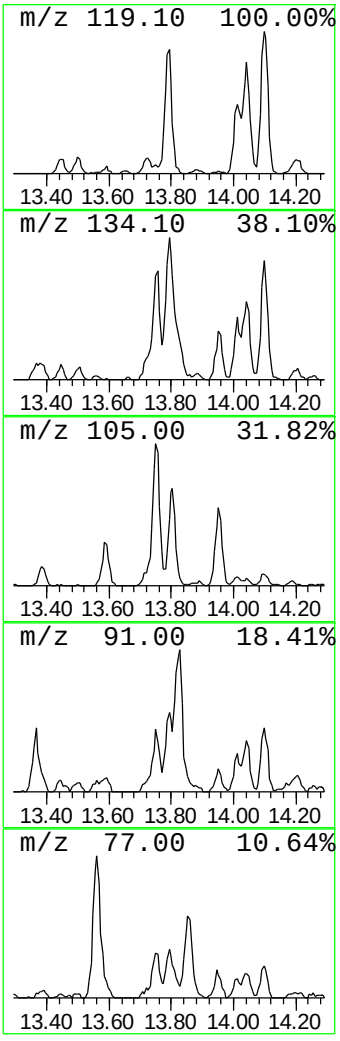
**********

Peak Number 4 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.79 | 1.96 ug/L | 94857 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 91 |
| 2 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 91 |
| 3 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 87 |
| 4 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 87 |
| 5 | o-Cymene | 134 | C10H14 | 000527-84-4 | 87 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102920\
Data File : VW017022.D
Acq On : 29 Oct 2020 11:54
Operator : SY/VA
Sample : L4502-18
Misc : 5.02G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** BG441

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.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 |
| Benzene, 1-methyl... | 13.75 | 1.6 | ug/L | 77344 | 3 | 13.56 | 1209800 | 25.0 |
| Benzene, 2-ethyl-... | 13.79 | 2.0 | ug/L | 94857 | 3 | 13.56 | 1209800 | 25.0 |