LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081020\
Data File : VW016115.D
Acq On : 10 Aug 2020 21:29
Operator : SY/VA
Sample : L3598-06
Misc : 5.53G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAY64

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\SOM2WLM081020S.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 | 2.355 | 68 | 74 | 88 | rBV | 73516 | 173651 | 13.50% | 1.958% |
| 2 | 2.891 | 155 | 162 | 176 | rVB2 | 53374 | 139062 | 10.81% | 1.568% |
| 3 | 3.806 | 310 | 312 | 313 | rBV | 380 | 279 | 0.02% | 0.003% |
| 4 | 3.830 | 313 | 316 | 319 | rVV2 | 396 | 399 | 0.03% | 0.004% |
| 5 | 3.873 | 322 | 323 | 324 | rBV | 427 | 210 | 0.02% | 0.002% |
| 6 | 4.013 | 334 | 346 | 360 | rBV | 136707 | 471799 | 36.68% | 5.321% |
| 7 | 4.306 | 391 | 394 | 395 | rBV | 323 | 226 | 0.02% | 0.003% |
| 8 | 4.672 | 450 | 454 | 455 | rBV3 | 460 | 610 | 0.05% | 0.007% |
| 9 | 4.763 | 465 | 469 | 473 | rBV2 | 211 | 391 | 0.03% | 0.004% |
| 10 | 4.915 | 483 | 494 | 511 | rVV3 | 9787 | 38916 | 3.03% | 0.439% |
| 11 | 5.031 | 511 | 513 | 517 | rVB2 | 283 | 248 | 0.02% | 0.003% |
| 12 | 5.330 | 559 | 562 | 565 | rBV2 | 329 | 395 | 0.03% | 0.004% |
| 13 | 5.367 | 565 | 568 | 571 | rVB2 | 214 | 255 | 0.02% | 0.003% |
| 14 | 5.403 | 573 | 574 | 576 | rBV | 290 | 191 | 0.01% | 0.002% |
| 15 | 5.574 | 600 | 602 | 603 | rBV | 222 | 188 | 0.01% | 0.002% |
| 16 | 5.927 | 652 | 660 | 661 | rBV2 | 2214 | 3661 | 0.28% | 0.041% |
| 17 | 6.019 | 673 | 675 | 677 | rBV2 | 304 | 343 | 0.03% | 0.004% |
| 18 | 6.055 | 678 | 681 | 682 | rVB2 | 183 | 184 | 0.01% | 0.002% |
| 19 | 6.104 | 688 | 689 | 692 | rVB | 367 | 298 | 0.02% | 0.003% |
| 20 | 6.141 | 692 | 695 | 696 | rBV2 | 298 | 267 | 0.02% | 0.003% |
| 21 | 6.409 | 737 | 739 | 741 | rBV2 | 295 | 249 | 0.02% | 0.003% |
| 22 | 6.604 | 768 | 771 | 774 | rBV2 | 226 | 304 | 0.02% | 0.003% |
| 23 | 6.903 | 810 | 820 | 829 | rBV3 | 20634 | 58998 | 4.59% | 0.665% |
| 24 | 7.086 | 842 | 850 | 858 | rBV | 41573 | 116326 | 9.04% | 1.312% |
| 25 | 7.397 | 900 | 901 | 909 | rBV2 | 210 | 397 | 0.03% | 0.004% |
| 26 | 7.647 | 932 | 942 | 955 | rBV | 225870 | 548980 | 42.68% | 6.191% |
| 27 | 7.738 | 955 | 957 | 959 | rVV | 435 | 343 | 0.03% | 0.004% |
| 28 | 7.823 | 969 | 971 | 973 | rVB2 | 320 | 207 | 0.02% | 0.002% |
| 29 | 7.854 | 973 | 976 | 979 | rBV2 | 216 | 374 | 0.03% | 0.004% |
| 30 | 7.933 | 987 | 989 | 990 | rBV2 | 455 | 343 | 0.03% | 0.004% |
| 31 | 8.159 | 1023 | 1026 | 1029 | rVB3 | 377 | 482 | 0.04% | 0.005% |
| 32 | 8.275 | 1035 | 1045 | 1064 | rBV2 | 427287 | 1286122 | 100.00% | 14.504% |
| 33 | 8.464 | 1073 | 1076 | 1077 | rBV2 | 256 | 222 | 0.02% | 0.003% |
| 34 | 8.518 | 1082 | 1085 | 1086 | rVV | 312 | 287 | 0.02% | 0.003% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081020\
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Acq On : 10 Aug 2020 21:29
Operator : SY/VA
Sample : L3598-06
Misc : 5.53G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAY64

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\SOM2WLM081020S.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 8.561 | 1088 | 1092 | 1097 | rVB5 | 1257 | 2556 | 0.20% | 0.029% |
| 36 | 8.714 | 1109 | 1117 | 1126 | rBV2 | 4850 | 11426 | 0.89% | 0.129% |
| 37 | 8.842 | 1130 | 1138 | 1149 | rBV | 403635 | 809857 | 62.97% | 9.133% |
| 38 | 9.055 | 1168 | 1173 | 1180 | rBV5 | 1806 | 4941 | 0.38% | 0.056% |
| 39 | 9.122 | 1183 | 1184 | 1189 | rVB3 | 376 | 358 | 0.03% | 0.004% |
| 40 | 9.213 | 1196 | 1199 | 1200 | rBV2 | 238 | 247 | 0.02% | 0.003% |
| 41 | 9.274 | 1200 | 1209 | 1218 | rBV | 295034 | 594168 | 46.20% | 6.701% |
| 42 | 9.415 | 1225 | 1232 | 1240 | rVB3 | 16132 | 32962 | 2.56% | 0.372% |
| 43 | 9.604 | 1259 | 1263 | 1266 | rBV2 | 165 | 256 | 0.02% | 0.003% |
| 44 | 9.665 | 1269 | 1273 | 1275 | rBV3 | 617 | 784 | 0.06% | 0.009% |
| 45 | 9.957 | 1319 | 1321 | 1325 | rVB2 | 391 | 350 | 0.03% | 0.004% |
| 46 | 10.036 | 1325 | 1334 | 1345 | rBV | 155961 | 281493 | 21.89% | 3.174% |
| 47 | 10.219 | 1362 | 1364 | 1365 | rVB | 356 | 182 | 0.01% | 0.002% |
| 48 | 10.323 | 1372 | 1381 | 1389 | rBV | 581776 | 1024039 | 79.62% | 11.548% |
| 49 | 10.506 | 1409 | 1411 | 1415 | rVB2 | 753 | 828 | 0.06% | 0.009% |
| 50 | 10.579 | 1416 | 1423 | 1435 | rVV | 105563 | 185445 | 14.42% | 2.091% |
| 51 | 10.713 | 1438 | 1445 | 1449 | rVV2 | 8993 | 16774 | 1.30% | 0.189% |
| 52 | 10.799 | 1457 | 1459 | 1460 | rBV | 271 | 225 | 0.02% | 0.003% |
| 53 | 10.859 | 1466 | 1469 | 1473 | rVB4 | 1090 | 1377 | 0.11% | 0.016% |
| 54 | 10.927 | 1473 | 1480 | 1497 | rBV | 182837 | 305542 | 23.76% | 3.446% |
| 55 | 11.073 | 1497 | 1504 | 1514 | rBV | 178058 | 286773 | 22.30% | 3.234% |
| 56 | 11.231 | 1528 | 1530 | 1531 | rBB2 | 675 | 420 | 0.03% | 0.005% |
| 57 | 11.372 | 1551 | 1553 | 1555 | rBV | 232 | 192 | 0.01% | 0.002% |
| 58 | 11.573 | 1582 | 1586 | 1588 | rBV2 | 338 | 330 | 0.03% | 0.004% |
| 59 | 11.634 | 1588 | 1596 | 1605 | rBV | 536953 | 885481 | 68.85% | 9.986% |
| 60 | 11.847 | 1625 | 1631 | 1640 | rBV3 | 6286 | 15064 | 1.17% | 0.170% |
| 61 | 11.999 | 1653 | 1656 | 1658 | rBV | 209 | 240 | 0.02% | 0.003% |
| 62 | 12.109 | 1672 | 1674 | 1679 | rVB2 | 296 | 383 | 0.03% | 0.004% |
| 63 | 12.164 | 1681 | 1683 | 1687 | rBV2 | 487 | 759 | 0.06% | 0.009% |
| 64 | 12.243 | 1691 | 1696 | 1699 | rBV3 | 532 | 662 | 0.05% | 0.007% |
| 65 | 12.341 | 1707 | 1712 | 1719 | rBV3 | 4764 | 7750 | 0.60% | 0.087% |
| 66 | 12.469 | 1732 | 1733 | 1737 | rVB2 | 333 | 329 | 0.03% | 0.004% |
| 67 | 12.518 | 1739 | 1741 | 1744 | rBV2 | 215 | 202 | 0.02% | 0.002% |
| 68 | 12.609 | 1751 | 1756 | 1763 | rVB2 | 8976 | 15067 | 1.17% | 0.170% |
| 69 | 12.695 | 1763 | 1770 | 1778 | rBV | 246800 | 396988 | 30.87% | 4.477% |
| 70 | 12.932 | 1806 | 1809 | 1813 | rVB3 | 1317 | 1852 | 0.14% | 0.021% |
| 71 | 13.042 | 1823 | 1827 | 1829 | rBV2 | 748 | 904 | 0.07% | 0.010% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081020\
Data File : VW016115.D
Acq On : 10 Aug 2020 21:29
Operator : SY/VA
Sample : L3598-06
Misc : 5.53G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAY64

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\SOM2WLM081020S.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 13.109 | 1833 | 1838 | 1842 | rVB5 | 732 | 1242 | 0.10% | 0.014% |
| 73 | 13.164 | 1842 | 1847 | 1851 | rVB5 | 1066 | 1831 | 0.14% | 0.021% |
| 74 | 13.213 | 1851 | 1855 | 1862 | rBV8 | 1977 | 4030 | 0.31% | 0.045% |
| 75 | 13.268 | 1862 | 1864 | 1866 | rBV2 | 656 | 628 | 0.05% | 0.007% |
| 76 | 13.341 | 1874 | 1876 | 1879 | rBV2 | 273 | 244 | 0.02% | 0.003% |
| 77 | 13.402 | 1881 | 1886 | 1892 | rVB5 | 2189 | 3739 | 0.29% | 0.042% |
| 78 | 13.450 | 1892 | 1894 | 1895 | rBV | 288 | 268 | 0.02% | 0.003% |
| 79 | 13.469 | 1895 | 1897 | 1898 | rBV2 | 401 | 273 | 0.02% | 0.003% |
| 80 | 13.560 | 1905 | 1912 | 1922 | rBV | 342184 | 548531 | 42.65% | 6.186% |
| 81 | 13.652 | 1922 | 1927 | 1935 | rVB3 | 6990 | 11892 | 0.92% | 0.134% |
| 82 | 13.755 | 1941 | 1944 | 1949 | rVB5 | 1153 | 1695 | 0.13% | 0.019% |
| 83 | 13.853 | 1953 | 1960 | 1970 | rVV | 322306 | 531031 | 41.29% | 5.989% |
| 84 | 14.024 | 1986 | 1988 | 1989 | rBV2 | 509 | 317 | 0.02% | 0.004% |
| 85 | 14.072 | 1991 | 1996 | 2002 | rVB2 | 8014 | 13025 | 1.01% | 0.147% |
| 86 | 14.200 | 2015 | 2017 | 2020 | rBV2 | 422 | 425 | 0.03% | 0.005% |
| 87 | 14.328 | 2034 | 2038 | 2044 | rBV4 | 3046 | 4627 | 0.36% | 0.052% |
| 88 | 14.493 | 2063 | 2065 | 2066 | rBV | 428 | 227 | 0.02% | 0.003% |
| 89 | 14.523 | 2066 | 2070 | 2076 | rVB4 | 1453 | 2217 | 0.17% | 0.025% |
| 90 | 14.706 | 2098 | 2100 | 2101 | rBV | 383 | 203 | 0.02% | 0.002% |
| 91 | 14.804 | 2114 | 2116 | 2117 | rBV2 | 397 | 276 | 0.02% | 0.003% |
| 92 | 14.926 | 2135 | 2136 | 2138 | rBV2 | 333 | 293 | 0.02% | 0.003% |
| 93 | 14.987 | 2144 | 2146 | 2147 | rBV2 | 362 | 224 | 0.02% | 0.003% |
| 94 | 15.365 | 2205 | 2208 | 2210 | rBV3 | 551 | 708 | 0.06% | 0.008% |
| 95 | 15.444 | 2219 | 2221 | 2222 | rBV2 | 545 | 427 | 0.03% | 0.005% |
| 96 | 15.493 | 2226 | 2229 | 2236 | rVV2 | 2812 | 4855 | 0.38% | 0.055% |
| 97 | 15.572 | 2238 | 2242 | 2243 | rVV2 | 373 | 339 | 0.03% | 0.004% |
| 98 | 16.279 | 2356 | 2358 | 2362 | rBV4 | 531 | 643 | 0.05% | 0.007% |
| 99 | 16.450 | 2383 | 2386 | 2387 | rBV2 | 475 | 522 | 0.04% | 0.006% |
| 100 | 16.584 | 2406 | 2408 | 2409 | rBV2 | 508 | 340 | 0.03% | 0.004% |

Sum of corrected areas: 8867485

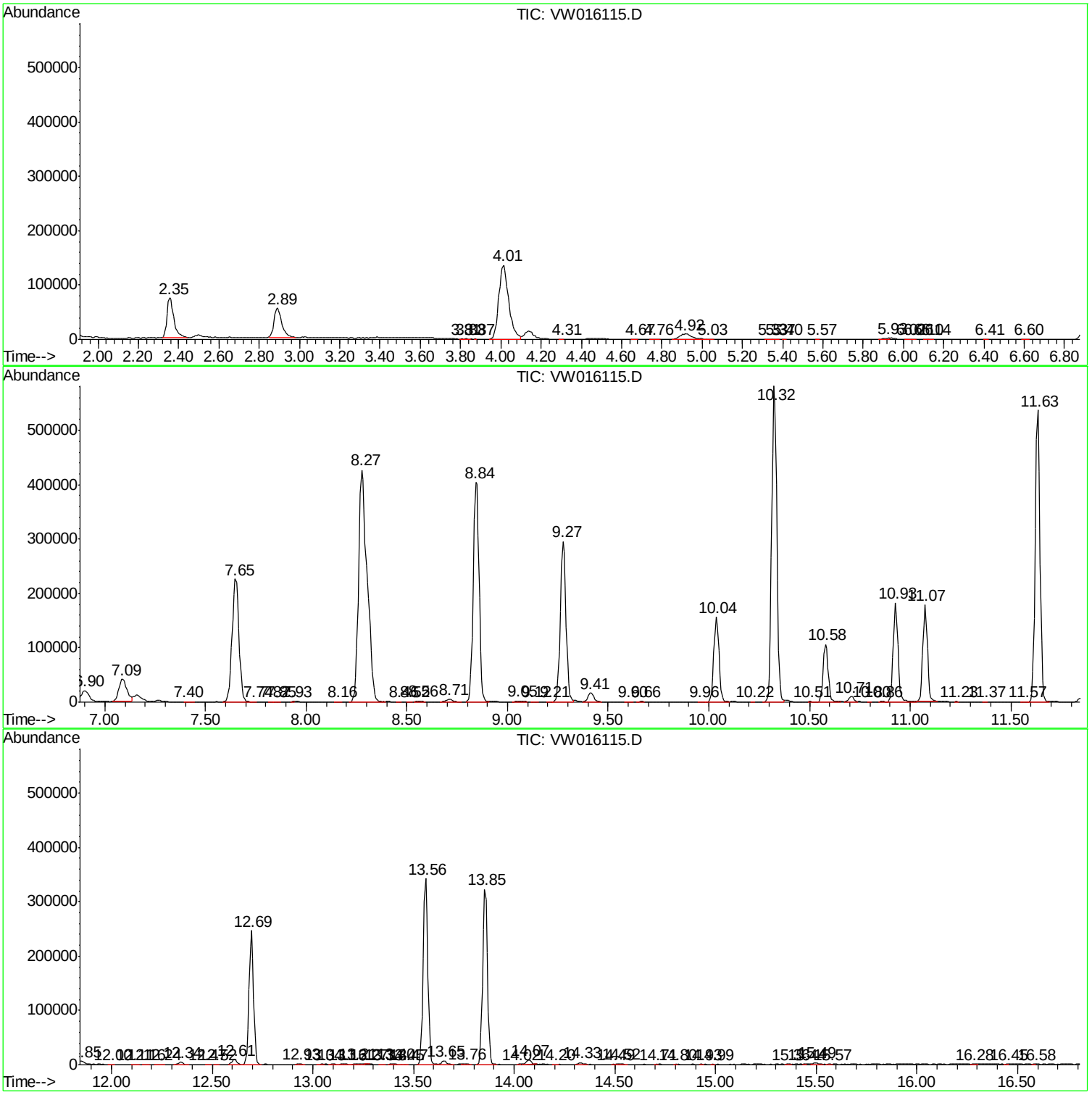
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081020\
Data File : VW016115.D
Acq On : 10 Aug 2020 21:29
Operator : SY/VA
Sample : L3598-06
Misc : 5.53G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAY64

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.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\VW081020\
Data File : VW016115.D
Acq On : 10 Aug 2020 21:29
Operator : SY/VA
Sample : L3598-06
Misc : 5.53G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAY64

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
Quant Title : VOC Analysis

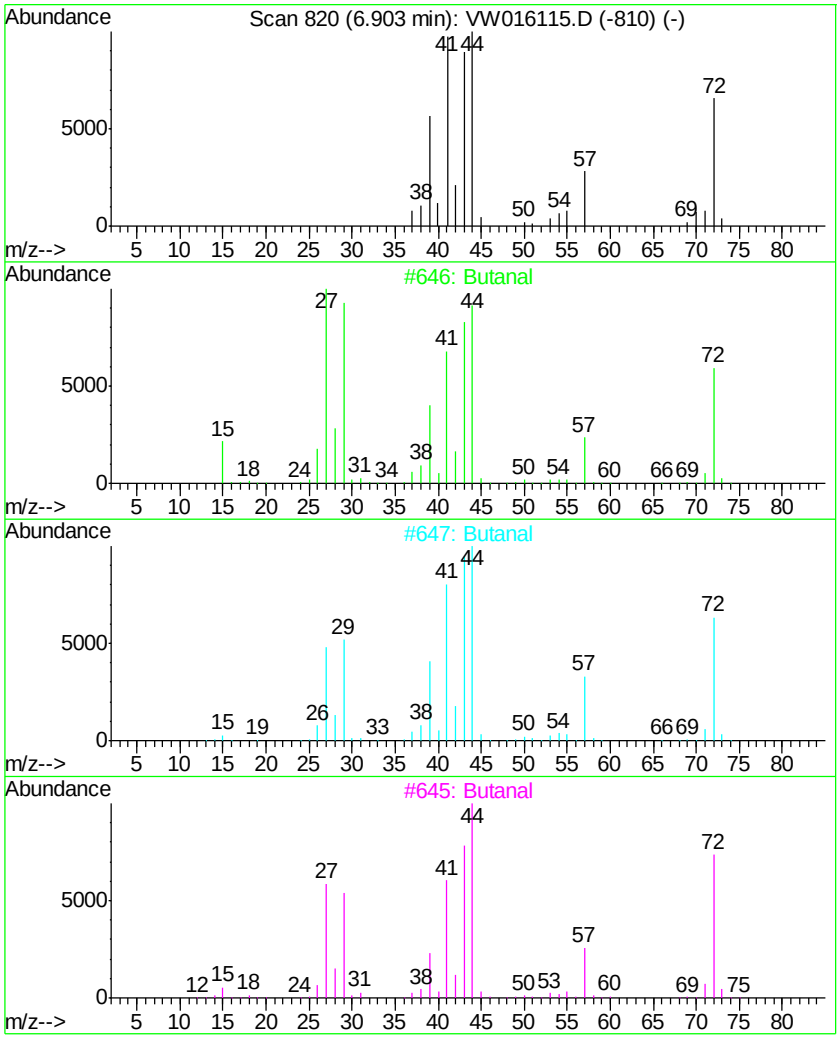
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

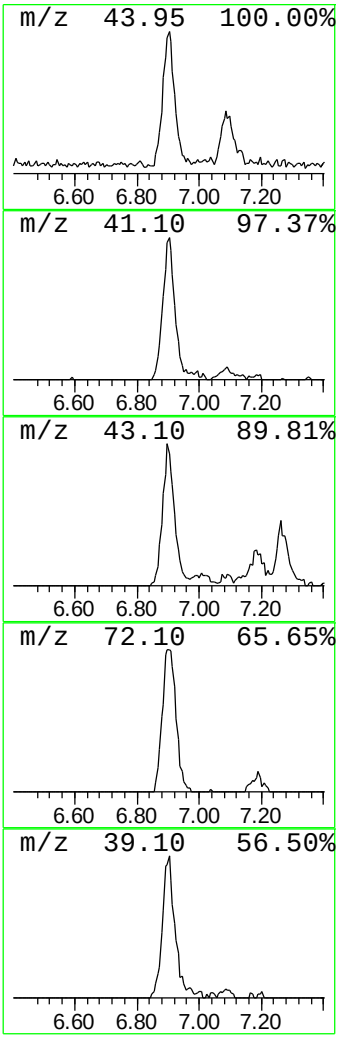
**********

Peak Number 1 Butanal Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.90 | 1.82 ug/L | 58998 | 1,4-Difluorobenzene | 8.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butanal | 72 | C4H8O | 000123-72-8 | 91 |
| 2 | Butanal | 72 | C4H8O | 000123-72-8 | 87 |
| 3 | Butanal | 72 | C4H8O | 000123-72-8 | 58 |
| 4 | Butanal | 72 | C4H8O | 000123-72-8 | 53 |
| 5 | Propane | 44 | C3H8 | 000074-98-6 | 53 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081020\
Data File : VW016115.D
Acq On : 10 Aug 2020 21:29
Operator : SY/VA
Sample : L3598-06
Misc : 5.53G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAY64

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
Quant Title : VOC Analysis

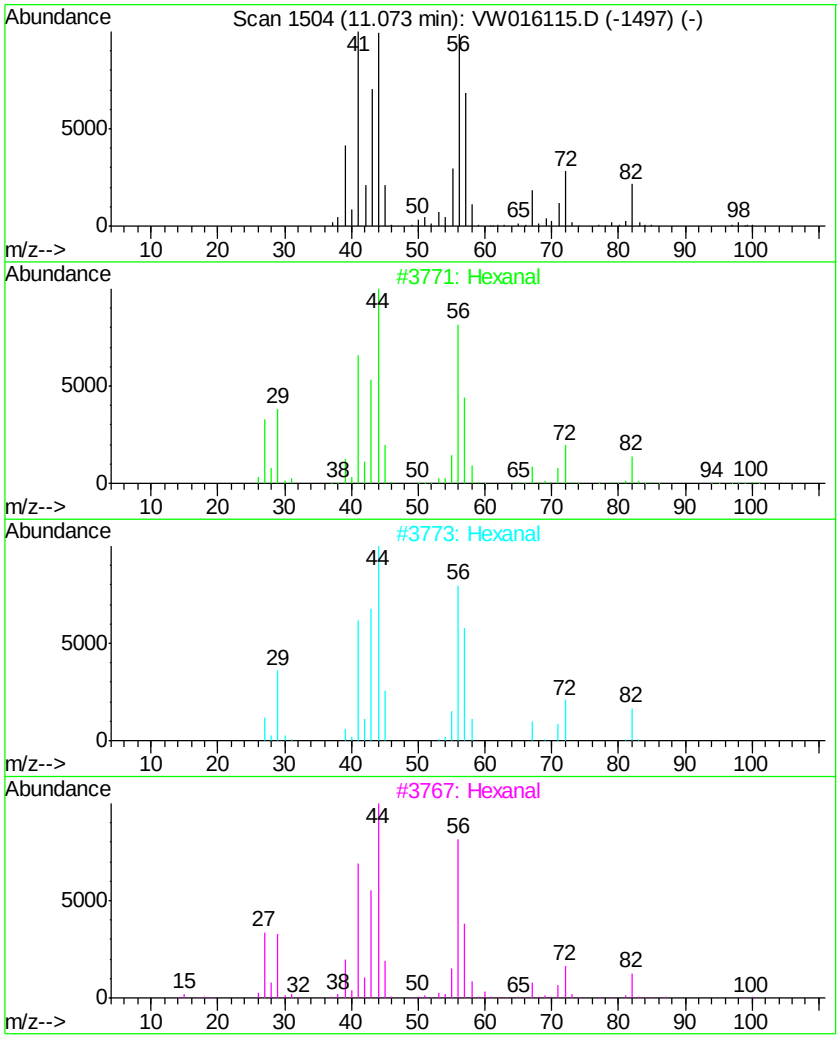
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

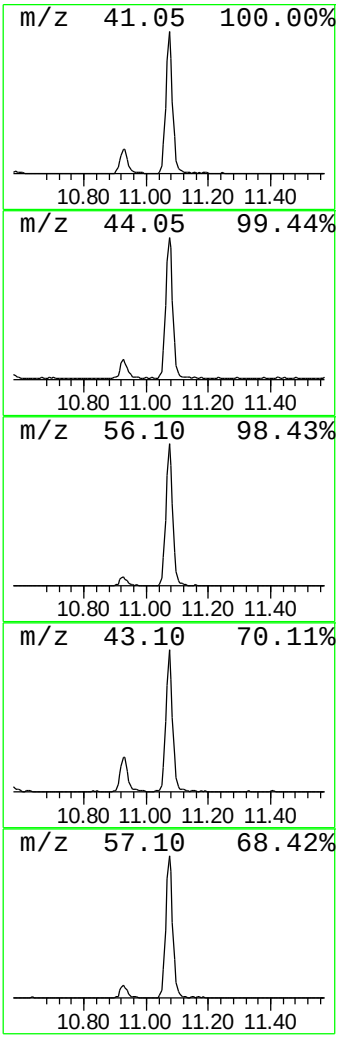
**********

Peak Number 3 Hexanal Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.07 | 8.10 ug/L | 286773 | Chlorobenzene-d5 | 11.63 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexanal | 100 | C6H12O | 000066-25-1 | 74 |
| 2 | Hexanal | 100 | C6H12O | 000066-25-1 | 64 |
| 3 | Hexanal | 100 | C6H12O | 000066-25-1 | 59 |
| 4 | Hexanal | 100 | C6H12O | 000066-25-1 | 59 |
| 5 | Butanal | 72 | C4H8O | 000123-72-8 | 38 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081020\
Data File : VW016115.D
Acq On : 10 Aug 2020 21:29
Operator : SY/VA
Sample : L3598-06
Misc : 5.53G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAY64

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.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 |
| Butanal | 6.90 | 1.8 | ug/L | 58998 | 1 | 8.85 | 809857 | 25.0 |
| Hexanal | 11.07 | 8.1 | ug/L | 286773 | 2 | 11.63 | 885481 | 25.0 |