LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052720\
Data File : VW015495.D
Acq On : 27 May 2020 11:03
Operator : SY/VA
Sample : L2755-10
Misc : 5.00G/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAXD4

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\SOM2WLM052620S.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 | 2.154 | 36 | 41 | 46 | rBV | 8417 | 15862 | 1.11% | 0.065% |
| 2 | 2.215 | 46 | 51 | 63 | rVV | 75264 | 123411 | 8.65% | 0.506% |
| 3 | 2.324 | 63 | 69 | 71 | rVV | 60729 | 93763 | 6.57% | 0.384% |
| 4 | 2.355 | 72 | 74 | 94 | rVB | 65463 | 127799 | 8.95% | 0.524% |
| 5 | 2.623 | 114 | 118 | 119 | rBV2 | 4543 | 5277 | 0.37% | 0.022% |
| 6 | 2.782 | 138 | 144 | 154 | rVV | 36940 | 84162 | 5.90% | 0.345% |
| 7 | 2.891 | 155 | 162 | 180 | rVB | 50186 | 132284 | 9.27% | 0.542% |
| 8 | 3.263 | 214 | 223 | 234 | rBV | 48648 | 123567 | 8.66% | 0.506% |
| 9 | 3.818 | 306 | 314 | 322 | rVB3 | 4335 | 10383 | 0.73% | 0.043% |
| 10 | 4.025 | 335 | 348 | 358 | rBV4 | 216170 | 751962 | 52.68% | 3.082% |
| 11 | 4.117 | 359 | 363 | 375 | rVB | 47178 | 120545 | 8.45% | 0.494% |
| 12 | 4.349 | 396 | 401 | 403 | rBV2 | 316 | 579 | 0.04% | 0.002% |
| 13 | 4.373 | 403 | 405 | 406 | rBV2 | 358 | 366 | 0.03% | 0.002% |
| 14 | 4.666 | 443 | 453 | 467 | rBV | 36413 | 107102 | 7.50% | 0.439% |
| 15 | 4.909 | 480 | 493 | 514 | rVV | 62365 | 213315 | 14.94% | 0.874% |
| 16 | 5.422 | 561 | 577 | 594 | rBV | 207324 | 680066 | 47.64% | 2.787% |
| 17 | 5.739 | 621 | 629 | 632 | rBV5 | 1060 | 2139 | 0.15% | 0.009% |
| 18 | 5.934 | 654 | 661 | 671 | rVB3 | 2604 | 8260 | 0.58% | 0.034% |
| 19 | 7.080 | 839 | 849 | 854 | rBV2 | 29078 | 80451 | 5.64% | 0.330% |
| 20 | 7.165 | 854 | 863 | 877 | rVB2 | 225851 | 647094 | 45.33% | 2.652% |
| 21 | 7.513 | 910 | 920 | 931 | rVV | 88693 | 221365 | 15.51% | 0.907% |
| 22 | 7.647 | 931 | 942 | 955 | rVV | 181913 | 439408 | 30.78% | 1.801% |
| 23 | 7.872 | 968 | 979 | 985 | rBV | 90940 | 231736 | 16.23% | 0.950% |
| 24 | 7.958 | 985 | 993 | 1003 | rVV | 148422 | 388482 | 27.22% | 1.592% |
| 25 | 8.067 | 1003 | 1011 | 1024 | rVB | 117827 | 282198 | 19.77% | 1.157% |
| 26 | 8.165 | 1024 | 1027 | 1032 | rVB3 | 187 | 379 | 0.03% | 0.002% |
| 27 | 8.275 | 1034 | 1045 | 1059 | rVV2 | 346811 | 1033085 | 72.37% | 4.234% |
| 28 | 8.397 | 1059 | 1065 | 1078 | rVB | 63248 | 137289 | 9.62% | 0.563% |
| 29 | 8.677 | 1105 | 1111 | 1118 | rVB5 | 1642 | 3792 | 0.27% | 0.016% |
| 30 | 8.842 | 1129 | 1138 | 1151 | rBV | 447418 | 870453 | 60.98% | 3.568% |
| 31 | 9.092 | 1168 | 1179 | 1194 | rBV | 584202 | 1156293 | 81.01% | 4.739% |
| 32 | 9.274 | 1200 | 1209 | 1213 | rBV | 248858 | 487490 | 34.15% | 1.998% |
| 33 | 9.335 | 1213 | 1219 | 1232 | rVB2 | 556027 | 1427409 | 100.00% | 5.851% |
| 34 | 9.445 | 1232 | 1237 | 1251 | rVB | 16924 | 34625 | 2.43% | 0.142% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052720\
Data File : VW015495.D
Acq On : 27 May 2020 11:03
Operator : SY/VA
Sample : L2755-10
Misc : 5.00G/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAXD4

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\SOM2WLM052620S.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 9.646 | 1260 | 1270 | 1277 | rBV | 186341 | 361575 | 25.33% | 1.482% |
| 36 | 9.890 | 1307 | 1310 | 1314 | rBV2 | 382 | 574 | 0.04% | 0.002% |
| 37 | 10.037 | 1320 | 1334 | 1336 | rBV | 144921 | 249521 | 17.48% | 1.023% |
| 38 | 10.073 | 1336 | 1340 | 1348 | rVV | 220105 | 396981 | 27.81% | 1.627% |
| 39 | 10.146 | 1349 | 1352 | 1360 | rVV | 4650 | 9228 | 0.65% | 0.038% |
| 40 | 10.213 | 1360 | 1363 | 1367 | rVV4 | 870 | 1435 | 0.10% | 0.006% |
| 41 | 10.250 | 1367 | 1369 | 1372 | rVV3 | 715 | 641 | 0.04% | 0.003% |
| 42 | 10.323 | 1373 | 1381 | 1386 | rVV | 511590 | 900356 | 63.08% | 3.690% |
| 43 | 10.390 | 1386 | 1392 | 1404 | rVB | 580859 | 1020527 | 71.50% | 4.183% |
| 44 | 10.579 | 1415 | 1423 | 1426 | rBV2 | 111992 | 225756 | 15.82% | 0.925% |
| 45 | 10.707 | 1437 | 1444 | 1452 | rVB | 95415 | 170706 | 11.96% | 0.700% |
| 46 | 10.774 | 1454 | 1455 | 1461 | rVB4 | 612 | 654 | 0.05% | 0.003% |
| 47 | 10.860 | 1461 | 1469 | 1475 | rBV | 729997 | 1256508 | 88.03% | 5.150% |
| 48 | 10.927 | 1475 | 1480 | 1483 | rVV | 117748 | 193917 | 13.59% | 0.795% |
| 49 | 10.969 | 1483 | 1487 | 1492 | rVV | 103050 | 173102 | 12.13% | 0.710% |
| 50 | 11.012 | 1492 | 1494 | 1499 | rVV | 12155 | 18283 | 1.28% | 0.075% |
| 51 | 11.067 | 1499 | 1503 | 1506 | rVV2 | 7492 | 11805 | 0.83% | 0.048% |
| 52 | 11.128 | 1506 | 1513 | 1524 | rVV | 150651 | 267249 | 18.72% | 1.095% |
| 53 | 11.439 | 1553 | 1564 | 1570 | rBV2 | 21946 | 37366 | 2.62% | 0.153% |
| 54 | 11.634 | 1588 | 1596 | 1605 | rBV | 591609 | 1028744 | 72.07% | 4.217% |
| 55 | 11.731 | 1605 | 1612 | 1621 | rVV | 511506 | 822222 | 57.60% | 3.370% |
| 56 | 11.847 | 1623 | 1631 | 1639 | rVB | 323968 | 526658 | 36.90% | 2.159% |
| 57 | 12.067 | 1663 | 1667 | 1669 | rBV3 | 245 | 372 | 0.03% | 0.002% |
| 58 | 12.164 | 1672 | 1683 | 1694 | rVV | 385474 | 636086 | 44.56% | 2.607% |
| 59 | 12.347 | 1709 | 1713 | 1715 | rBV3 | 603 | 773 | 0.05% | 0.003% |
| 60 | 12.463 | 1723 | 1732 | 1743 | rBV | 457232 | 716219 | 50.18% | 2.936% |
| 61 | 12.609 | 1749 | 1756 | 1762 | rVB | 81850 | 135639 | 9.50% | 0.556% |
| 62 | 12.695 | 1762 | 1770 | 1774 | rBV | 173925 | 298364 | 20.90% | 1.223% |
| 63 | 12.743 | 1774 | 1778 | 1793 | rVB | 467406 | 788501 | 55.24% | 3.232% |
| 64 | 12.932 | 1804 | 1809 | 1817 | rBV3 | 5133 | 9029 | 0.63% | 0.037% |
| 65 | 13.012 | 1817 | 1822 | 1826 | rBV4 | 1378 | 2344 | 0.16% | 0.010% |
| 66 | 13.079 | 1830 | 1833 | 1840 | rVB4 | 749 | 1424 | 0.10% | 0.006% |
| 67 | 13.134 | 1840 | 1842 | 1847 | rBV2 | 239 | 410 | 0.03% | 0.002% |
| 68 | 13.188 | 1847 | 1851 | 1856 | rVB3 | 460 | 725 | 0.05% | 0.003% |
| 69 | 13.298 | 1858 | 1869 | 1876 | rVB2 | 11582 | 19730 | 1.38% | 0.081% |
| 70 | 13.402 | 1882 | 1886 | 1891 | rBV5 | 1144 | 2231 | 0.16% | 0.009% |
| 71 | 13.499 | 1891 | 1902 | 1907 | rBV | 503386 | 811878 | 56.88% | 3.328% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052720\
Data File : VW015495.D
Acq On : 27 May 2020 11:03
Operator : SY/VA
Sample : L2755-10
Misc : 5.00G/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAXD4

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\SOM2WLM052620S.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 13.560 | 1907 | 1912 | 1920 | rVB | 622916 | 994497 | 69.67% | 4.076% |
| 73 | 13.652 | 1925 | 1927 | 1932 | rVB3 | 1337 | 1579 | 0.11% | 0.006% |
| 74 | 13.761 | 1941 | 1945 | 1949 | rBV5 | 1208 | 2065 | 0.14% | 0.008% |
| 75 | 13.798 | 1949 | 1951 | 1953 | rBV | 879 | 768 | 0.05% | 0.003% |
| 76 | 13.859 | 1953 | 1961 | 1974 | rBV3 | 552399 | 1133453 | 79.41% | 4.646% |
| 77 | 13.957 | 1974 | 1977 | 1979 | rVB3 | 929 | 1121 | 0.08% | 0.005% |
| 78 | 14.018 | 1983 | 1987 | 1990 | rBV5 | 751 | 1244 | 0.09% | 0.005% |
| 79 | 14.072 | 1990 | 1996 | 2002 | rBV | 21671 | 34067 | 2.39% | 0.140% |
| 80 | 14.200 | 2011 | 2017 | 2022 | rBV3 | 1315 | 2345 | 0.16% | 0.010% |
| 81 | 14.304 | 2027 | 2034 | 2035 | rBV3 | 1356 | 1661 | 0.12% | 0.007% |
| 82 | 14.487 | 2057 | 2064 | 2069 | rBV | 47596 | 78631 | 5.51% | 0.322% |
| 83 | 14.627 | 2080 | 2087 | 2095 | rBV | 605307 | 960107 | 67.26% | 3.935% |
| 84 | 14.725 | 2100 | 2103 | 2108 | rVB6 | 1824 | 2861 | 0.20% | 0.012% |
| 85 | 14.767 | 2108 | 2110 | 2112 | rBV2 | 374 | 464 | 0.03% | 0.002% |
| 86 | 14.883 | 2125 | 2129 | 2130 | rVV3 | 332 | 383 | 0.03% | 0.002% |
| 87 | 14.914 | 2130 | 2134 | 2136 | rVV3 | 720 | 1014 | 0.07% | 0.004% |
| 88 | 15.139 | 2163 | 2171 | 2175 | rBV6 | 3675 | 6534 | 0.46% | 0.027% |
| 89 | 15.261 | 2185 | 2191 | 2194 | rBV4 | 519 | 825 | 0.06% | 0.003% |
| 90 | 15.371 | 2206 | 2209 | 2212 | rVV5 | 761 | 911 | 0.06% | 0.004% |
| 91 | 15.438 | 2214 | 2220 | 2226 | rVV2 | 13277 | 22210 | 1.56% | 0.091% |
| 92 | 15.493 | 2226 | 2229 | 2234 | rVB3 | 1641 | 2709 | 0.19% | 0.011% |
| 93 | 15.694 | 2258 | 2262 | 2265 | rBV4 | 1142 | 1825 | 0.13% | 0.007% |
| 94 | 15.767 | 2271 | 2274 | 2277 | rBV5 | 1063 | 1512 | 0.11% | 0.006% |
| 95 | 15.804 | 2277 | 2280 | 2283 | rVB4 | 1140 | 1543 | 0.11% | 0.006% |
| 96 | 15.846 | 2285 | 2287 | 2291 | rVB3 | 696 | 809 | 0.06% | 0.003% |
| 97 | 15.956 | 2302 | 2305 | 2307 | rBV2 | 722 | 940 | 0.07% | 0.004% |
| 98 | 16.407 | 2377 | 2379 | 2382 | rBV2 | 583 | 533 | 0.04% | 0.002% |
| 99 | 16.493 | 2391 | 2393 | 2396 | rBV4 | 461 | 529 | 0.04% | 0.002% |
| 100 | 16.724 | 2430 | 2431 | 2434 | rBV3 | 447 | 452 | 0.03% | 0.002% |

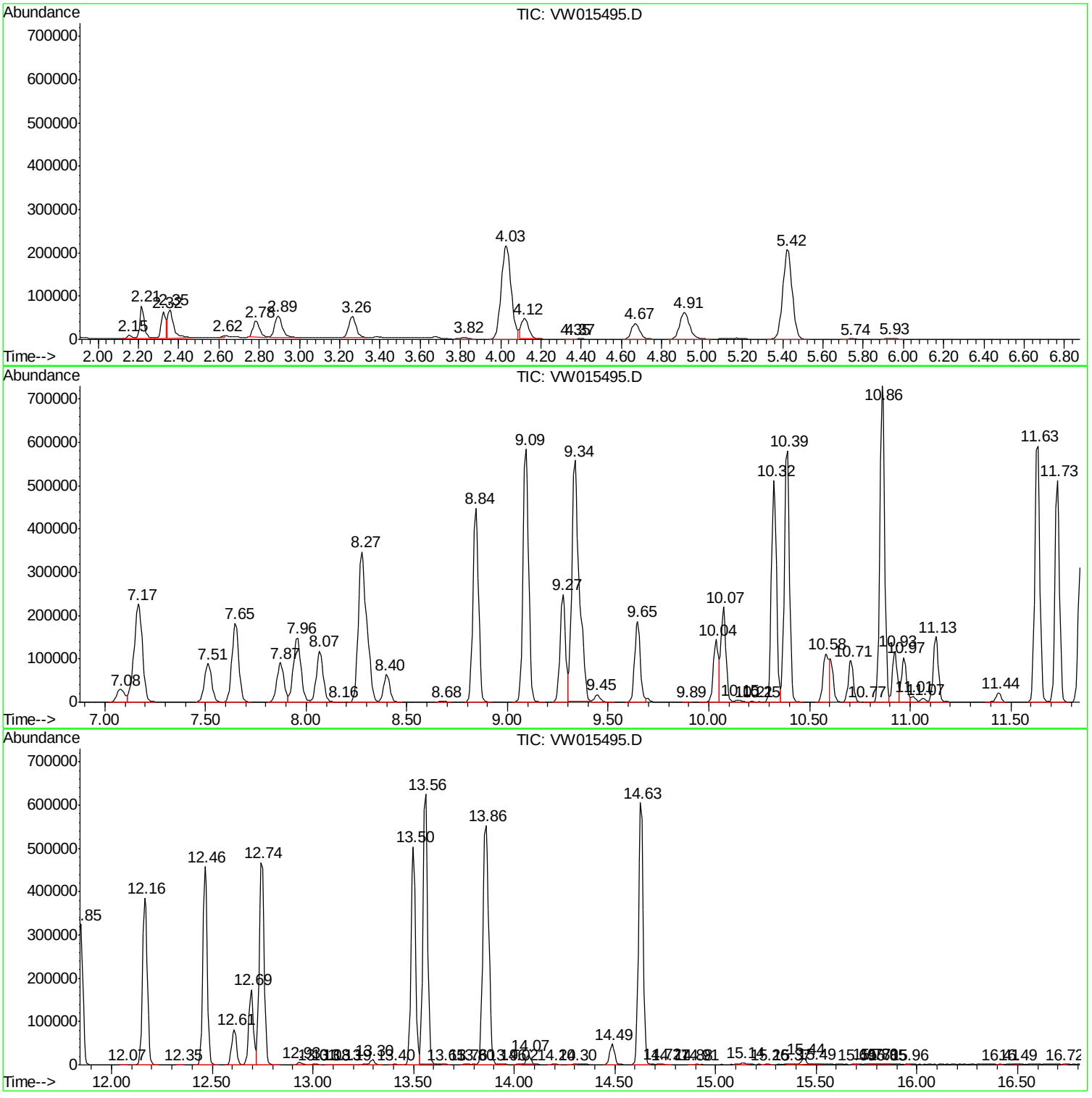
Sum of corrected areas: 24397516

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052720\
Data File : VW015495.D
Acq On : 27 May 2020 11:03
Operator : SY/VA
Sample : L2755-10
Misc : 5.00G/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAXD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052720\
Data File : VW015495.D
Acq On : 27 May 2020 11:03
Operator : SY/VA
Sample : L2755-10
Misc : 5.00G/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAXD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
Quant Title : VOC Analysis

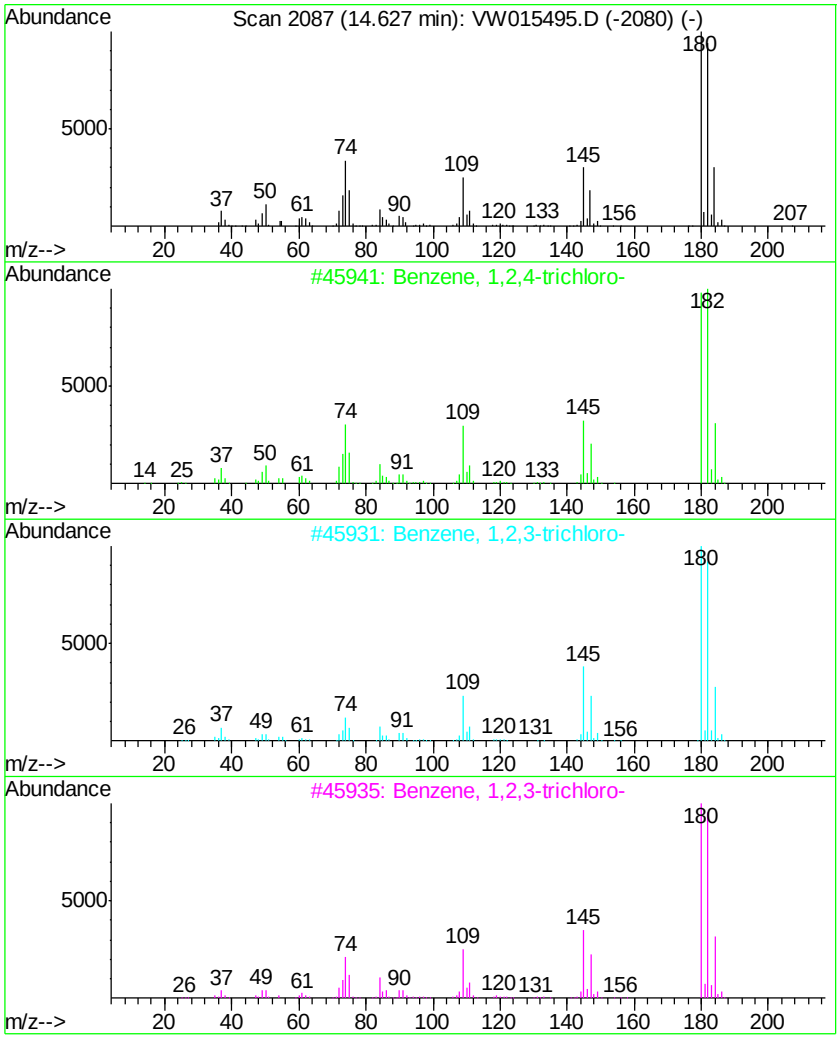
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

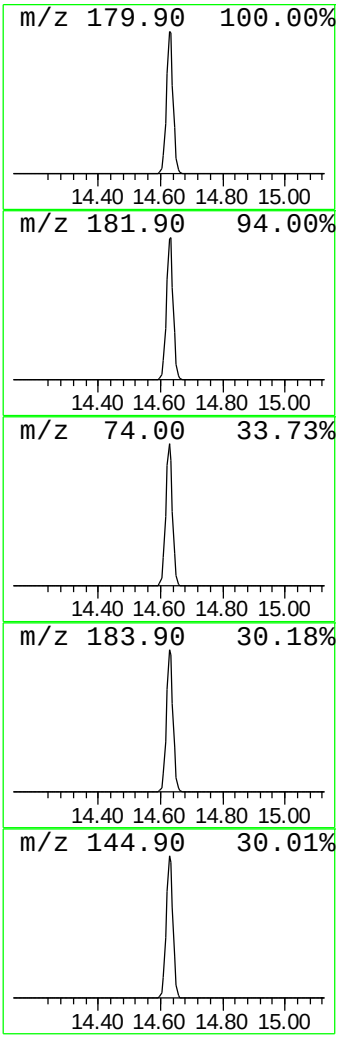
**********

Peak Number 3 Benzene, 1,3,5-trichloro- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.63 | 24.14 ug/L | 960107 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4-trichloro- | 180 | C6H3Cl3 | 000120-82-1 | 98 |
| 2 | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 98 |
| 3 | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 98 |
| 4 | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 97 |
| 5 | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 96 |



# Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052720\
Data File : VW015495.D
Acq On : 27 May 2020 11:03
Operator : SY/VA
Sample : L2755-10
Misc : 5.00G/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAXD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
Quant Title : VOC Analysis

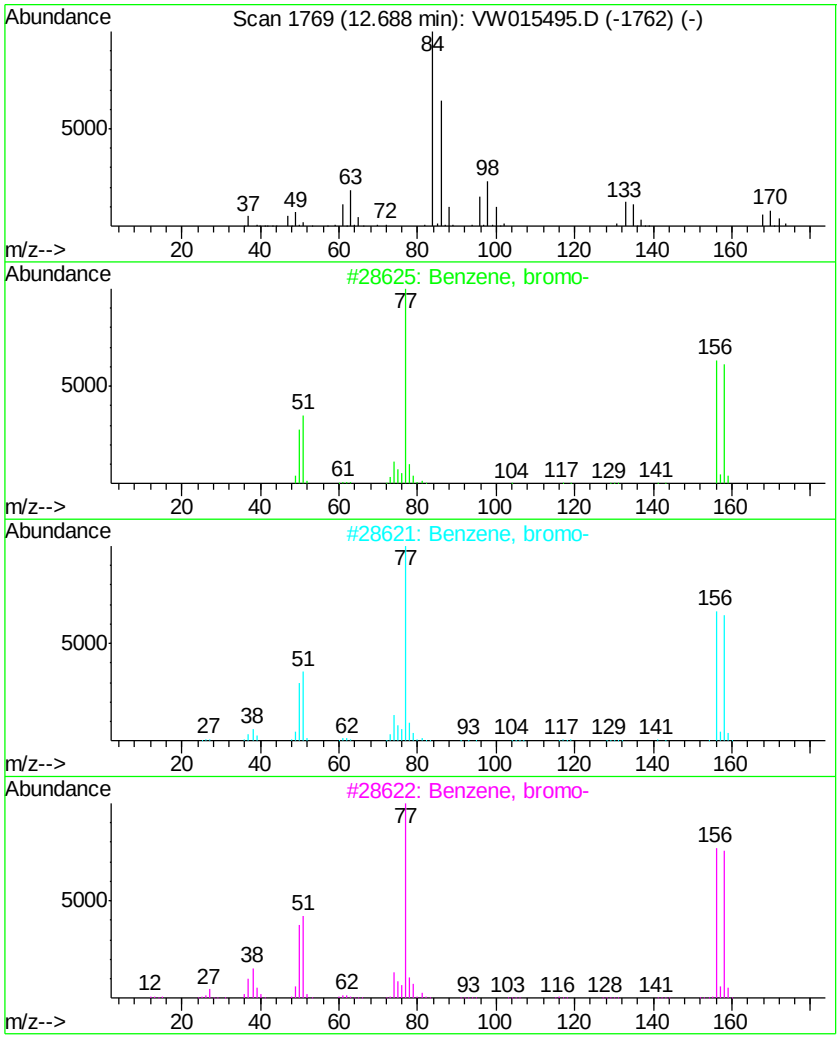
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

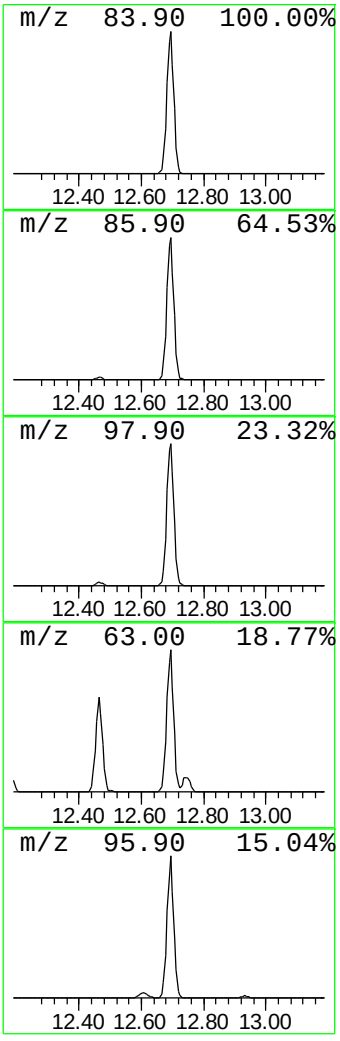
**********

Peak Number 4 Benzene, bromo- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.69 | 7.50 ug/L | 298364 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, bromo- | 156 | C6H5Br | 000108-86-1 | 95 |
| 2 | Benzene, bromo- | 156 | C6H5Br | 000108-86-1 | 95 |
| 3 | Benzene, bromo- | 156 | C6H5Br | 000108-86-1 | 93 |
| 4 | Benzene, bromo- | 156 | C6H5Br | 000108-86-1 | 90 |
| 5 | Benzene, bromo- | 156 | C6H5Br | 000108-86-1 | 74 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052720\
Data File : VW015495.D
Acq On : 27 May 2020 11:03
Operator : SY/VA
Sample : L2755-10
Misc : 5.00G/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAXD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.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, 1,3,5-tr... | 14.63 | 24.1 | ug/L | 960107 | 3 | 13.56 | 994497 | 25.0 |
| Benzene, bromo- | 12.69 | 7.5 | ug/L | 298364 | 3 | 13.56 | 994497 | 25.0 |