LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080720\
Data File : VW016078.D
Acq On : 07 Aug 2020 18:35
Operator : SY/VA
Sample : L3598-01
Misc : 4.74G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAY59

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\SOM2WLM072020S.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 | 87 | rVB | 46238 | 96484 | 10.25% | 1.438% |
| 2 | 2.891 | 155 | 162 | 177 | rVB | 37017 | 95302 | 10.13% | 1.420% |
| 3 | 3.830 | 314 | 316 | 317 | rBV2 | 163 | 114 | 0.01% | 0.002% |
| 4 | 3.916 | 328 | 330 | 332 | rVB | 165 | 110 | 0.01% | 0.002% |
| 5 | 4.013 | 334 | 346 | 361 | rBV | 90703 | 295246 | 31.37% | 4.400% |
| 6 | 4.239 | 382 | 383 | 386 | rBV | 151 | 166 | 0.02% | 0.002% |
| 7 | 4.513 | 427 | 428 | 432 | rVB | 208 | 166 | 0.02% | 0.002% |
| 8 | 4.623 | 444 | 446 | 448 | rVB | 179 | 160 | 0.02% | 0.002% |
| 9 | 4.665 | 450 | 453 | 454 | rBV2 | 188 | 202 | 0.02% | 0.003% |
| 10 | 4.818 | 476 | 478 | 483 | rVB | 194 | 182 | 0.02% | 0.003% |
| 11 | 4.915 | 483 | 494 | 510 | rVB3 | 9670 | 33350 | 3.54% | 0.497% |
| 12 | 5.330 | 561 | 562 | 564 | rBV | 231 | 147 | 0.02% | 0.002% |
| 13 | 5.495 | 588 | 589 | 592 | rBV2 | 138 | 171 | 0.02% | 0.003% |
| 14 | 5.617 | 608 | 609 | 611 | rBV | 166 | 112 | 0.01% | 0.002% |
| 15 | 5.769 | 632 | 634 | 636 | rBV2 | 194 | 191 | 0.02% | 0.003% |
| 16 | 5.940 | 652 | 662 | 670 | rBV2 | 4819 | 14265 | 1.52% | 0.213% |
| 17 | 6.110 | 689 | 690 | 694 | rVV2 | 181 | 132 | 0.01% | 0.002% |
| 18 | 6.147 | 694 | 696 | 698 | rVB | 116 | 122 | 0.01% | 0.002% |
| 19 | 6.702 | 783 | 787 | 790 | rVB2 | 112 | 169 | 0.02% | 0.003% |
| 20 | 6.738 | 790 | 793 | 796 | rBV2 | 176 | 191 | 0.02% | 0.003% |
| 21 | 6.824 | 803 | 807 | 808 | rVB | 209 | 199 | 0.02% | 0.003% |
| 22 | 6.903 | 815 | 820 | 825 | rBV2 | 657 | 1455 | 0.15% | 0.022% |
| 23 | 6.976 | 830 | 832 | 833 | rBV2 | 246 | 195 | 0.02% | 0.003% |
| 24 | 7.086 | 840 | 850 | 857 | rBV | 37053 | 101234 | 10.76% | 1.509% |
| 25 | 7.263 | 873 | 879 | 888 | rVB2 | 4588 | 11081 | 1.18% | 0.165% |
| 26 | 7.427 | 904 | 906 | 910 | rVB | 294 | 242 | 0.03% | 0.004% |
| 27 | 7.464 | 910 | 912 | 913 | rBV | 253 | 128 | 0.01% | 0.002% |
| 28 | 7.537 | 921 | 924 | 925 | rBV2 | 148 | 163 | 0.02% | 0.002% |
| 29 | 7.555 | 925 | 927 | 928 | rVB | 194 | 129 | 0.01% | 0.002% |
| 30 | 7.653 | 932 | 943 | 956 | rBV | 164935 | 406389 | 43.18% | 6.056% |
| 31 | 7.799 | 965 | 967 | 969 | rBV | 94 | 105 | 0.01% | 0.002% |
| 32 | 7.958 | 987 | 993 | 997 | rVV3 | 630 | 1387 | 0.15% | 0.021% |
| 33 | 8.073 | 1009 | 1012 | 1016 | rBV2 | 125 | 193 | 0.02% | 0.003% |
| 34 | 8.104 | 1016 | 1017 | 1020 | rBV | 205 | 116 | 0.01% | 0.002% |

LSC Area Percent Report

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Acq On : 07 Aug 2020 18:35
Operator : SY/VA
Sample : L3598-01
Misc : 4.74G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAY59

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\SOM2WLM072020S.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 8.140 | 1020 | 1023 | 1024 | rBV2 | 102 | 116 | 0.01% | 0.002% |
| 36 | 8.275 | 1035 | 1045 | 1063 | rBV2 | 314274 | 941094 | 100.00% | 14.025% |
| 37 | 8.512 | 1081 | 1084 | 1087 | rVB2 | 247 | 207 | 0.02% | 0.003% |
| 38 | 8.555 | 1089 | 1091 | 1094 | rBV3 | 232 | 247 | 0.03% | 0.004% |
| 39 | 8.628 | 1101 | 1103 | 1104 | rBV | 246 | 181 | 0.02% | 0.003% |
| 40 | 8.683 | 1107 | 1112 | 1113 | rBV | 302 | 355 | 0.04% | 0.005% |
| 41 | 8.842 | 1129 | 1138 | 1151 | rBV | 318296 | 628145 | 66.75% | 9.361% |
| 42 | 9.049 | 1167 | 1172 | 1173 | rBV3 | 1014 | 1462 | 0.16% | 0.022% |
| 43 | 9.195 | 1194 | 1196 | 1198 | rVB | 159 | 168 | 0.02% | 0.003% |
| 44 | 9.274 | 1200 | 1209 | 1220 | rBV | 219158 | 440516 | 46.81% | 6.565% |
| 45 | 9.415 | 1226 | 1232 | 1239 | rVB3 | 3319 | 6888 | 0.73% | 0.103% |
| 46 | 9.518 | 1248 | 1249 | 1254 | rVB2 | 98 | 104 | 0.01% | 0.002% |
| 47 | 9.610 | 1261 | 1264 | 1267 | rBV2 | 147 | 159 | 0.02% | 0.002% |
| 48 | 9.658 | 1267 | 1272 | 1281 | rBV4 | 1648 | 3239 | 0.34% | 0.048% |
| 49 | 10.036 | 1326 | 1334 | 1345 | rBV | 112238 | 201814 | 21.44% | 3.008% |
| 50 | 10.116 | 1345 | 1347 | 1349 | rBV2 | 442 | 426 | 0.05% | 0.006% |
| 51 | 10.207 | 1359 | 1362 | 1365 | rBV2 | 159 | 181 | 0.02% | 0.003% |
| 52 | 10.329 | 1373 | 1382 | 1389 | rBV | 409715 | 727809 | 77.34% | 10.847% |
| 53 | 10.579 | 1413 | 1423 | 1433 | rBV | 74945 | 128403 | 13.64% | 1.914% |
| 54 | 10.707 | 1437 | 1444 | 1454 | rVB | 36486 | 64559 | 6.86% | 0.962% |
| 55 | 10.866 | 1464 | 1470 | 1474 | rBV5 | 1793 | 3119 | 0.33% | 0.046% |
| 56 | 10.927 | 1474 | 1480 | 1492 | rBV | 148333 | 239102 | 25.41% | 3.563% |
| 57 | 11.073 | 1498 | 1504 | 1514 | rVB | 24338 | 41707 | 4.43% | 0.622% |
| 58 | 11.170 | 1518 | 1520 | 1523 | rBV2 | 179 | 203 | 0.02% | 0.003% |
| 59 | 11.305 | 1539 | 1542 | 1543 | rBV | 158 | 135 | 0.01% | 0.002% |
| 60 | 11.335 | 1546 | 1547 | 1549 | rBV | 143 | 119 | 0.01% | 0.002% |
| 61 | 11.420 | 1557 | 1561 | 1563 | rBV3 | 81 | 128 | 0.01% | 0.002% |
| 62 | 11.481 | 1569 | 1571 | 1574 | rBV | 149 | 157 | 0.02% | 0.002% |
| 63 | 11.524 | 1577 | 1578 | 1580 | rBV | 143 | 115 | 0.01% | 0.002% |
| 64 | 11.634 | 1588 | 1596 | 1607 | rBV | 394911 | 658469 | 69.97% | 9.813% |
| 65 | 11.841 | 1625 | 1630 | 1634 | rBV6 | 1485 | 2752 | 0.29% | 0.041% |
| 66 | 11.926 | 1643 | 1644 | 1646 | rBV2 | 148 | 107 | 0.01% | 0.002% |
| 67 | 12.048 | 1662 | 1664 | 1666 | rBV | 134 | 137 | 0.01% | 0.002% |
| 68 | 12.170 | 1681 | 1684 | 1687 | rVB3 | 386 | 497 | 0.05% | 0.007% |
| 69 | 12.213 | 1690 | 1691 | 1694 | rBV2 | 158 | 160 | 0.02% | 0.002% |
| 70 | 12.262 | 1698 | 1699 | 1700 | rBV | 222 | 135 | 0.01% | 0.002% |
| 71 | 12.341 | 1708 | 1712 | 1720 | rVB3 | 1529 | 2629 | 0.28% | 0.039% |

LSC Area Percent Report

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Operator : SY/VA
Sample : L3598-01
Misc : 4.74G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAY59

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\SOM2WLM072020S.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 12.402 | 1720 | 1722 | 1723 | rBV3 | 115 | 114 | 0.01% | 0.002% |
| 73 | 12.463 | 1729 | 1732 | 1733 | rBV | 149 | 177 | 0.02% | 0.003% |
| 74 | 12.542 | 1744 | 1745 | 1748 | rBV | 206 | 153 | 0.02% | 0.002% |
| 75 | 12.609 | 1749 | 1756 | 1763 | rVV | 131787 | 217857 | 23.15% | 3.247% |
| 76 | 12.695 | 1763 | 1770 | 1779 | rVB | 192405 | 318397 | 33.83% | 4.745% |
| 77 | 12.829 | 1790 | 1792 | 1795 | rBV2 | 222 | 254 | 0.03% | 0.004% |
| 78 | 12.865 | 1795 | 1798 | 1802 | rVV2 | 359 | 564 | 0.06% | 0.008% |
| 79 | 12.932 | 1805 | 1809 | 1815 | rVV5 | 981 | 1696 | 0.18% | 0.025% |
| 80 | 13.005 | 1819 | 1821 | 1822 | rBV | 168 | 102 | 0.01% | 0.002% |
| 81 | 13.054 | 1828 | 1829 | 1831 | rBV2 | 130 | 116 | 0.01% | 0.002% |
| 82 | 13.194 | 1850 | 1852 | 1855 | rVB2 | 110 | 104 | 0.01% | 0.002% |
| 83 | 13.255 | 1855 | 1862 | 1864 | rBV3 | 536 | 963 | 0.10% | 0.014% |
| 84 | 13.402 | 1882 | 1886 | 1890 | rVB3 | 1445 | 2023 | 0.21% | 0.030% |
| 85 | 13.457 | 1893 | 1895 | 1897 | rVB2 | 131 | 104 | 0.01% | 0.002% |
| 86 | 13.560 | 1905 | 1912 | 1921 | rBV | 267149 | 430114 | 45.70% | 6.410% |
| 87 | 13.646 | 1922 | 1926 | 1934 | rVB3 | 3351 | 5440 | 0.58% | 0.081% |
| 88 | 13.731 | 1938 | 1940 | 1942 | rBV | 228 | 115 | 0.01% | 0.002% |
| 89 | 13.755 | 1942 | 1944 | 1948 | rBV2 | 243 | 295 | 0.03% | 0.004% |
| 90 | 13.792 | 1948 | 1950 | 1953 | rBV2 | 429 | 436 | 0.05% | 0.006% |
| 91 | 13.853 | 1953 | 1960 | 1968 | rBV | 236462 | 393742 | 41.84% | 5.868% |
| 92 | 13.969 | 1978 | 1979 | 1980 | rBV | 200 | 119 | 0.01% | 0.002% |
| 93 | 14.072 | 1988 | 1996 | 2004 | rVB | 90344 | 146525 | 15.57% | 2.184% |
| 94 | 14.328 | 2034 | 2038 | 2043 | rVB3 | 2267 | 3266 | 0.35% | 0.049% |
| 95 | 14.523 | 2067 | 2070 | 2074 | rVB3 | 1324 | 1684 | 0.18% | 0.025% |
| 96 | 14.572 | 2077 | 2078 | 2080 | rBV2 | 212 | 164 | 0.02% | 0.002% |
| 97 | 14.773 | 2107 | 2111 | 2116 | rBV2 | 394 | 804 | 0.09% | 0.012% |
| 98 | 15.151 | 2172 | 2173 | 2175 | rBV | 301 | 315 | 0.03% | 0.005% |
| 99 | 15.499 | 2222 | 2230 | 2237 | rBV | 15657 | 28114 | 2.99% | 0.419% |
| 100 | 16.566 | 2403 | 2405 | 2408 | rBV2 | 384 | 492 | 0.05% | 0.007% |

Sum of corrected areas: 6709991

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080720\
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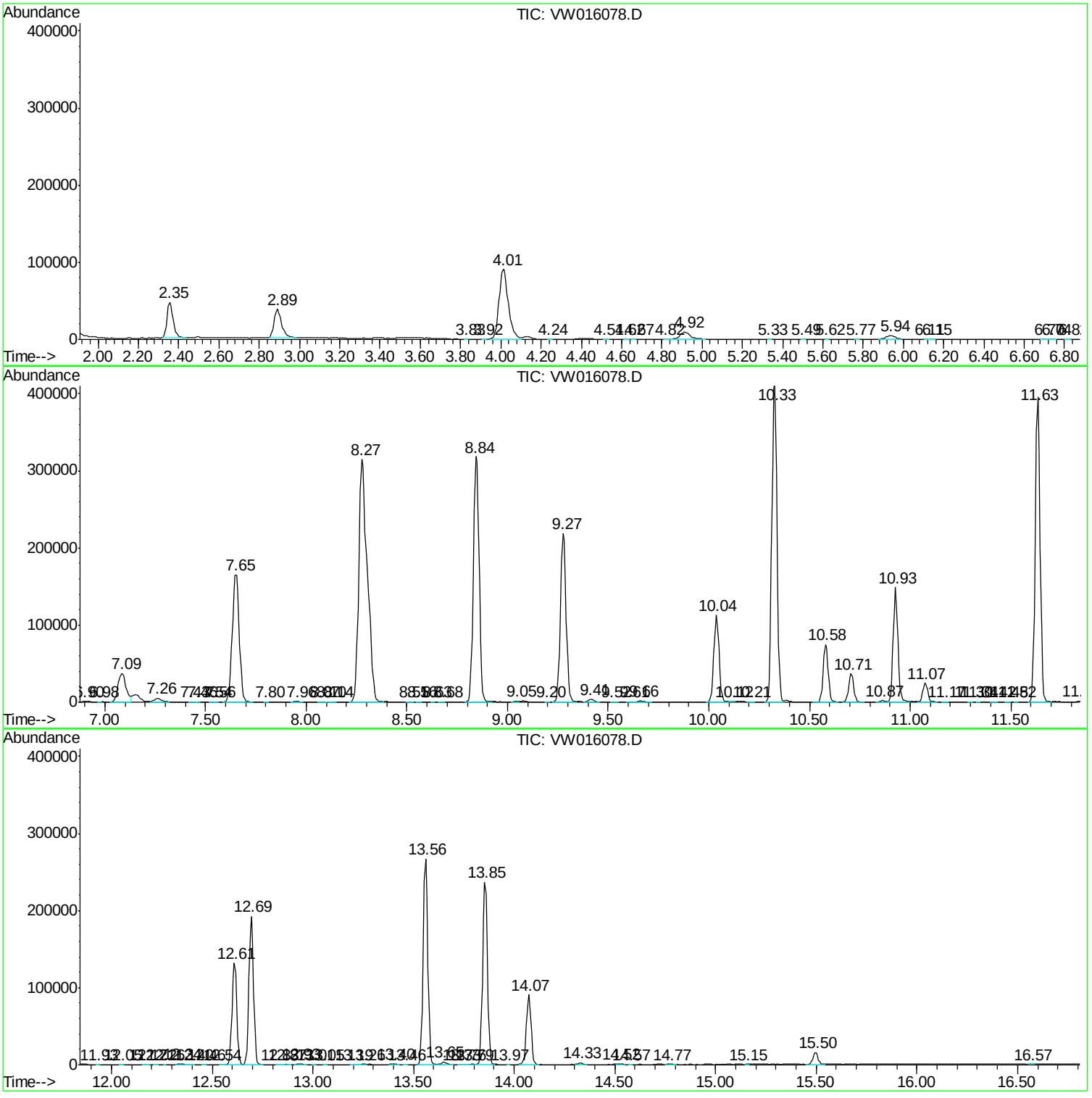
Operator : SY/VA
Sample : L3598-01
Misc : 4.74G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAY59

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.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\VW080720\
Data File : VW016078.D
Acq On : 07 Aug 2020 18:35
Operator : SY/VA
Sample : L3598-01
Misc : 4.74G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAY59

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

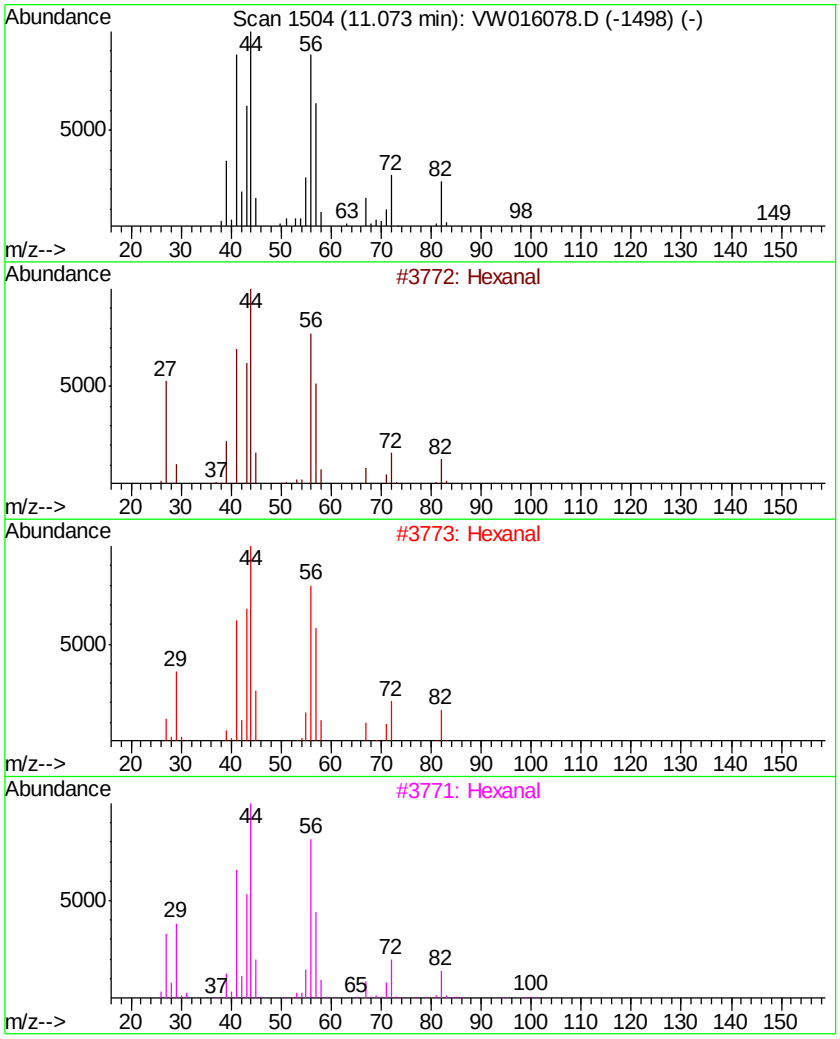
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

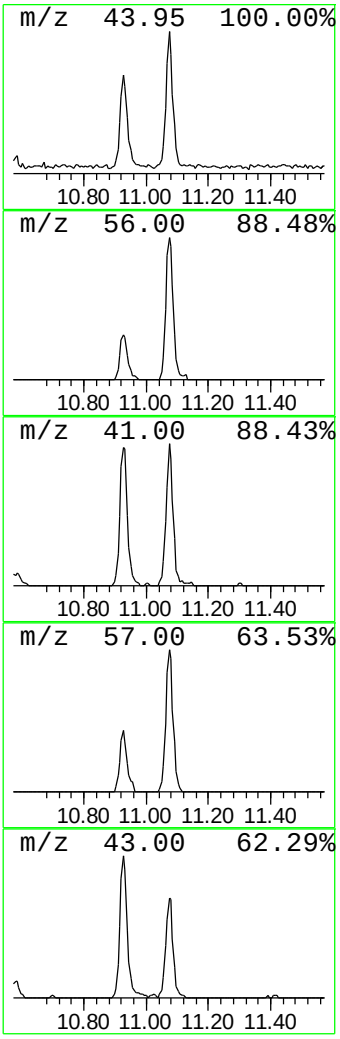
**********

Peak Number 3 Hexanal Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.07 | 1.58 ug/L | 41707 | Chlorobenzene-d5 | 11.63 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexanal | 100 | C6H12O | 000066-25-1 | 64 |
| 2 | Hexanal | 100 | C6H12O | 000066-25-1 | 64 |
| 3 | Hexanal | 100 | C6H12O | 000066-25-1 | 64 |
| 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\VW080720\
Data File : VW016078.D
Acq On : 07 Aug 2020 18:35
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Sample : L3598-01
Misc : 4.74G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAY59

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.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 |
| Hexanal | 11.07 | 1.6 | ug/L | 41707 | 2 | 11.63 | 658469 | 25.0 |