LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021848.D
Acq On : 10 Apr 2025 19:08
Operator : SY/MD
Sample : Q1760-07
Misc : 6.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
TP-15-VOC

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_Y\methods\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021848.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.842 | 174 | 184 | 220 | rVB | 7073489 | 15114273 | 4.68% | 0.235% |
| 2 | 3.184 | 231 | 240 | 261 | rBV | 6128647 | 14181917 | 4.39% | 0.220% |
| 3 | 4.671 | 462 | 484 | 497 | rBV | 30326685 | 120846520 | 37.41% | 1.875% |
| 4 | 5.141 | 542 | 561 | 597 | rVB | 18836252 | 64818159 | 20.07% | 1.006% |
| 5 | 5.464 | 598 | 614 | 631 | rBV | 3551924 | 12268369 | 3.80% | 0.190% |
| 6 | 5.659 | 631 | 646 | 662 | rVV | 33460068 | 99371643 | 30.76% | 1.542% |
| 7 | 6.006 | 696 | 703 | 715 | rVV | 11418741 | 35629607 | 11.03% | 0.553% |
| 8 | 6.147 | 715 | 726 | 736 | rVV | 6237645 | 20458225 | 6.33% | 0.317% |
| 9 | 6.451 | 764 | 776 | 790 | rVV2 | 12294362 | 39036925 | 12.08% | 0.606% |
| 10 | 6.604 | 790 | 801 | 808 | rVV | 5807811 | 19901649 | 6.16% | 0.309% |
| 11 | 6.707 | 808 | 818 | 827 | rVV2 | 41030512 | 123253350 | 38.16% | 1.912% |
| 12 | 7.451 | 932 | 940 | 949 | rVB | 17845135 | 45160403 | 13.98% | 0.701% |
| 13 | 7.707 | 971 | 982 | 991 | rBV5 | 67508580 | 204180814 | 63.21% | 3.168% |
| 14 | 7.811 | 991 | 999 | 1009 | rVB | 28479542 | 75435410 | 23.35% | 1.170% |
| 15 | 7.939 | 1009 | 1020 | 1027 | rBV | 53829882 | 129824775 | 40.19% | 2.014% |
| 16 | 8.213 | 1056 | 1065 | 1070 | rBV3 | 29146659 | 67536758 | 20.91% | 1.048% |
| 17 | 8.286 | 1070 | 1077 | 1083 | rVV4 | 23757144 | 54553713 | 16.89% | 0.846% |
| 18 | 8.353 | 1083 | 1088 | 1099 | rVB | 23957258 | 56643872 | 17.54% | 0.879% |
| 19 | 8.488 | 1099 | 1110 | 1122 | rVB3 | 64928412 | 161755128 | 50.08% | 2.510% |
| 20 | 8.622 | 1122 | 1132 | 1138 | rBV | 50659044 | 116372115 | 36.03% | 1.806% |
| 21 | 8.786 | 1153 | 1159 | 1165 | rVB | 9274052 | 17282443 | 5.35% | 0.268% |
| 22 | 8.866 | 1165 | 1172 | 1174 | rBV2 | 10380075 | 20746935 | 6.42% | 0.322% |
| 23 | 8.902 | 1174 | 1178 | 1198 | rVB2 | 13700397 | 34418498 | 10.66% | 0.534% |
| 24 | 9.128 | 1198 | 1215 | 1221 | rBV5 | 92636467 | 291593083 | 90.27% | 4.524% |
| 25 | 9.183 | 1221 | 1224 | 1232 | rVB2 | 13283826 | 23009330 | 7.12% | 0.357% |
| 26 | 9.304 | 1232 | 1244 | 1250 | rBV | 17466925 | 33894763 | 10.49% | 0.526% |
| 27 | 9.396 | 1250 | 1259 | 1266 | rBV3 | 12741850 | 31339972 | 9.70% | 0.486% |
| 28 | 9.548 | 1278 | 1284 | 1289 | rBV2 | 18047931 | 32336938 | 10.01% | 0.502% |
| 29 | 9.646 | 1294 | 1300 | 1304 | rBV | 32200090 | 55756952 | 17.26% | 0.865% |
| 30 | 9.701 | 1304 | 1309 | 1313 | rVB2 | 22690541 | 37331139 | 11.56% | 0.579% |
| 31 | 9.762 | 1313 | 1319 | 1323 | rBV2 | 48626893 | 96004329 | 29.72% | 1.490% |
| 32 | 9.902 | 1332 | 1342 | 1352 | rBV | 51097666 | 118639695 | 36.73% | 1.841% |
| 33 | 9.993 | 1352 | 1357 | 1362 | rVV | 16302346 | 30807589 | 9.54% | 0.478% |
| 34 | 10.115 | 1371 | 1377 | 1381 | rBV2 | 44785400 | 85688747 | 26.53% | 1.330% |
| 35 | 10.152 | 1381 | 1383 | 1390 | rVV3 | 18734230 | 32183994 | 9.96% | 0.499% |
| 36 | 10.237 | 1390 | 1397 | 1400 | rVV3 | 10530904 | 21475790 | 6.65% | 0.333% |

LSC Area Percent Report

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Operator : SY/MD
Sample : Q1760-07
Misc : 6.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
TP-15-VOC

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_Y\methods\82Y032725S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 10.310 | 1400 | 1409 | 1415 | rVV4 | 76781195 | 173764044 | 53.79% | 2.696% |
| 38 | 10.371 | 1415 | 1419 | 1423 | rVV2 | 8407384 | 12371965 | 3.83% | 0.192% |
| 39 | 10.463 | 1429 | 1434 | 1442 | rVB3 | 18237412 | 32835658 | 10.17% | 0.509% |
| 40 | 10.542 | 1442 | 1447 | 1456 | rBV3 | 40790720 | 85993376 | 26.62% | 1.334% |
| 41 | 10.646 | 1459 | 1464 | 1469 | rVB2 | 8654249 | 17105498 | 5.30% | 0.265% |
| 42 | 10.743 | 1469 | 1480 | 1484 | rBV2 | 13706166 | 29315293 | 9.08% | 0.455% |
| 43 | 10.847 | 1492 | 1497 | 1502 | rVB | 14359635 | 23328652 | 7.22% | 0.362% |
| 44 | 10.938 | 1508 | 1512 | 1514 | rVV2 | 12897126 | 19701838 | 6.10% | 0.306% |
| 45 | 10.975 | 1514 | 1518 | 1522 | rVV | 22851102 | 36240463 | 11.22% | 0.562% |
| 46 | 11.024 | 1522 | 1526 | 1531 | rVB | 17544889 | 28266406 | 8.75% | 0.439% |
| 47 | 11.085 | 1531 | 1536 | 1540 | rVB3 | 7769889 | 12342741 | 3.82% | 0.192% |
| 48 | 11.140 | 1540 | 1545 | 1550 | rVB4 | 11775381 | 19648558 | 6.08% | 0.305% |
| 49 | 11.219 | 1550 | 1558 | 1569 | rVB3 | 53020110 | 125172234 | 38.75% | 1.942% |
| 50 | 11.322 | 1569 | 1575 | 1587 | rBV | 36180954 | 72025344 | 22.30% | 1.118% |
| 51 | 11.432 | 1588 | 1593 | 1598 | rBV5 | 8146513 | 15973795 | 4.95% | 0.248% |
| 52 | 11.530 | 1601 | 1609 | 1618 | rBV5 | 82740806 | 183613156 | 56.84% | 2.849% |
| 53 | 11.646 | 1618 | 1628 | 1637 | rBV6 | 100663235 | 323024034 | 100.00% | 5.012% |
| 54 | 11.719 | 1637 | 1640 | 1644 | rVB | 20984337 | 29516262 | 9.14% | 0.458% |
| 55 | 11.871 | 1661 | 1665 | 1669 | rVB3 | 11336331 | 17816947 | 5.52% | 0.276% |
| 56 | 11.938 | 1669 | 1676 | 1683 | rBV5 | 39728045 | 97284708 | 30.12% | 1.510% |
| 57 | 12.060 | 1692 | 1696 | 1700 | rVB | 33516666 | 44676811 | 13.83% | 0.693% |
| 58 | 12.133 | 1700 | 1708 | 1711 | rBV3 | 39994810 | 70520992 | 21.83% | 1.094% |
| 59 | 12.176 | 1711 | 1715 | 1724 | rVV4 | 49737388 | 99812360 | 30.90% | 1.549% |
| 60 | 12.261 | 1725 | 1729 | 1733 | rVV2 | 23567997 | 36209483 | 11.21% | 0.562% |
| 61 | 12.310 | 1733 | 1737 | 1741 | rVV4 | 22119611 | 49194328 | 15.23% | 0.763% |
| 62 | 12.353 | 1741 | 1744 | 1746 | rVV2 | 33307353 | 48602403 | 15.05% | 0.754% |
| 63 | 12.377 | 1746 | 1748 | 1758 | rVB | 33282346 | 52780824 | 16.34% | 0.819% |
| 64 | 12.462 | 1758 | 1762 | 1766 | rBV | 29254842 | 40943347 | 12.68% | 0.635% |
| 65 | 12.603 | 1775 | 1785 | 1790 | rVB3 | 63468662 | 158866036 | 49.18% | 2.465% |
| 66 | 12.664 | 1790 | 1795 | 1797 | rBV5 | 15836134 | 27325463 | 8.46% | 0.424% |
| 67 | 12.700 | 1797 | 1801 | 1804 | rBV2 | 66760800 | 113256343 | 35.06% | 1.757% |
| 68 | 12.743 | 1804 | 1808 | 1814 | rVB3 | 102112225 | 200678061 | 62.12% | 3.114% |
| 69 | 12.798 | 1814 | 1817 | 1822 | rVB | 17394320 | 24643159 | 7.63% | 0.382% |
| 70 | 12.901 | 1823 | 1834 | 1839 | rBV4 | 66801072 | 143459557 | 44.41% | 2.226% |
| 71 | 12.975 | 1842 | 1846 | 1853 | rVB | 48227600 | 71531148 | 22.14% | 1.110% |
| 72 | 13.048 | 1853 | 1858 | 1859 | rBV3 | 94546176 | 125167193 | 38.75% | 1.942% |
| 73 | 13.157 | 1872 | 1876 | 1878 | rBV2 | 11505391 | 18326801 | 5.67% | 0.284% |
| 74 | 13.249 | 1883 | 1891 | 1895 | rVV5 | 27285955 | 54495881 | 16.87% | 0.846% |
| 75 | 13.292 | 1895 | 1898 | 1902 | rVV3 | 14948242 | 21861878 | 6.77% | 0.339% |
| 76 | 13.383 | 1907 | 1913 | 1918 | rVV3 | 73041310 | 134629939 | 41.68% | 2.089% |

LSC Area Percent Report

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Acq On : 10 Apr 2025 19:08
Operator : SY/MD
Sample : Q1760-07
Misc : 6.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
TP-15-VOC

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_Y\methods\82Y032725S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 13.432 | 1918 | 1921 | 1927 | rVB3 | 8596557 | 13005180 | 4.03% | 0.202% |
| 78 | 13.517 | 1927 | 1935 | 1937 | rBV2 | 27643887 | 42861703 | 13.27% | 0.665% |
| 79 | 13.554 | 1937 | 1941 | 1944 | rVV | 66091342 | 106641413 | 33.01% | 1.655% |
| 80 | 13.596 | 1944 | 1948 | 1956 | rVB4 | 55886756 | 112453924 | 34.81% | 1.745% |
| 81 | 13.682 | 1956 | 1962 | 1966 | rBV2 | 23206180 | 35006704 | 10.84% | 0.543% |
| 82 | 13.749 | 1966 | 1973 | 1978 | rBV | 17847240 | 29912690 | 9.26% | 0.464% |
| 83 | 13.810 | 1978 | 1983 | 1986 | rVV | 31694594 | 49693662 | 15.38% | 0.771% |
| 84 | 13.840 | 1986 | 1988 | 1993 | rVB | 28255882 | 35767361 | 11.07% | 0.555% |
| 85 | 13.901 | 1993 | 1998 | 2002 | rBV2 | 63681921 | 92697951 | 28.70% | 1.438% |
| 86 | 13.956 | 2002 | 2007 | 2010 | rVV2 | 14851497 | 20715881 | 6.41% | 0.321% |
| 87 | 14.005 | 2010 | 2015 | 2021 | rVB | 56178860 | 83287225 | 25.78% | 1.292% |
| 88 | 14.139 | 2031 | 2037 | 2041 | rBV3 | 12793609 | 23440408 | 7.26% | 0.364% |
| 89 | 14.218 | 2041 | 2050 | 2053 | rVV | 32968388 | 59229311 | 18.34% | 0.919% |
| 90 | 14.261 | 2053 | 2057 | 2061 | rVV | 33948866 | 47856745 | 14.82% | 0.743% |
| 91 | 14.304 | 2061 | 2064 | 2068 | rVV | 14871362 | 20309390 | 6.29% | 0.315% |
| 92 | 14.340 | 2068 | 2070 | 2077 | rVB2 | 9549313 | 12613466 | 3.90% | 0.196% |
| 93 | 14.486 | 2090 | 2094 | 2099 | rVV | 38051160 | 59935341 | 18.55% | 0.930% |
| 94 | 14.535 | 2099 | 2102 | 2106 | rVB | 13363092 | 17403721 | 5.39% | 0.270% |
| 95 | 14.602 | 2106 | 2113 | 2119 | rBV3 | 54276011 | 110829469 | 34.31% | 1.720% |
| 96 | 14.657 | 2119 | 2122 | 2129 | rVB4 | 11474652 | 20421110 | 6.32% | 0.317% |
| 97 | 14.864 | 2151 | 2156 | 2159 | rVV3 | 17234914 | 32560216 | 10.08% | 0.505% |
| 98 | 14.895 | 2159 | 2161 | 2167 | rVV | 9333792 | 14241924 | 4.41% | 0.221% |
| 99 | 14.974 | 2167 | 2174 | 2180 | rVB2 | 13519706 | 29113865 | 9.01% | 0.452% |
| 100 | 15.145 | 2192 | 2202 | 2208 | rBV | 24364291 | 43640731 | 13.51% | 0.677% |

Sum of corrected areas: 6444816192

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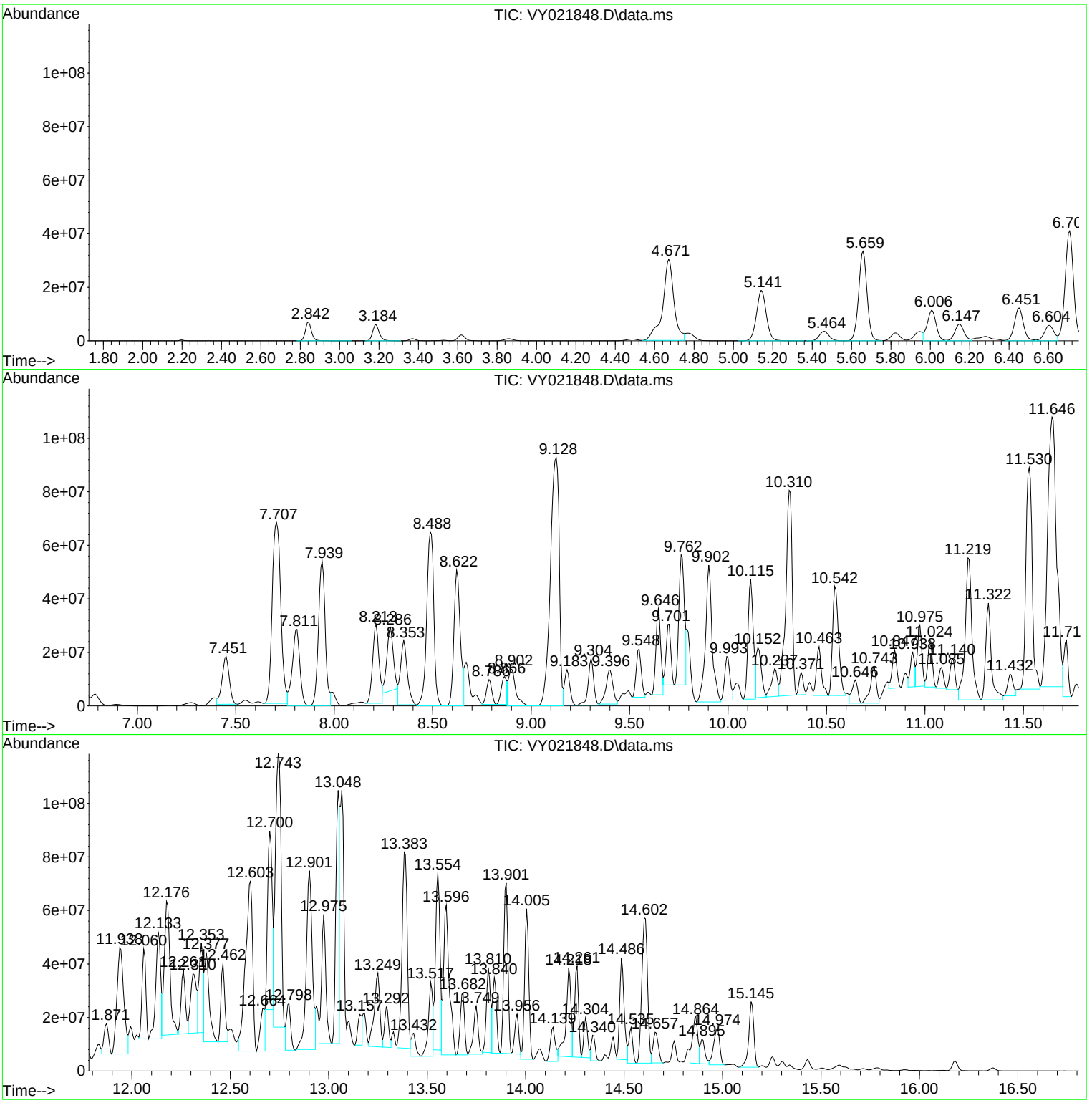
Sample : Q1760-07
Misc : 6.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
TP-15-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021848.D
Acq On : 10 Apr 2025 19:08
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**Instrument :**
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

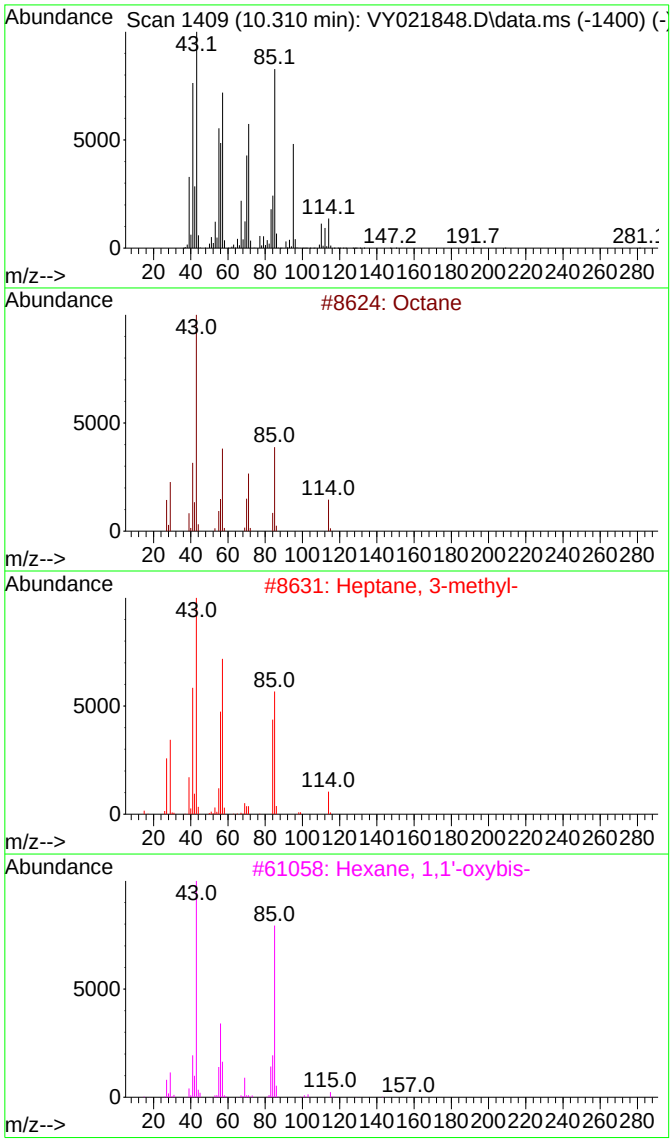
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

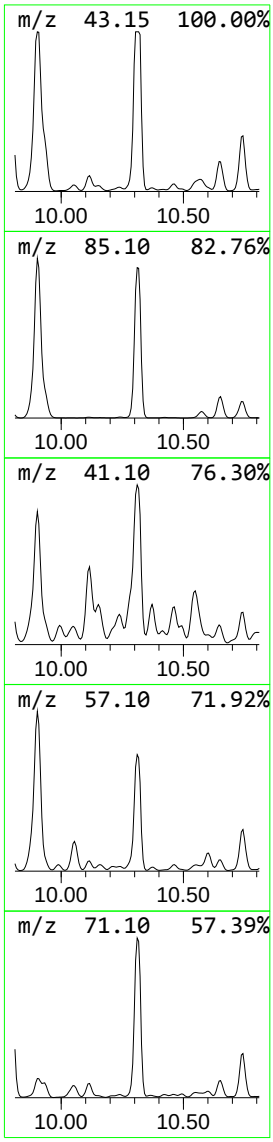
**********

Peak Number 1 Octane Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.310 | 543.90 ug/l | 173764000 | Chlorobenzene-d5 | 11.420 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane | 114 | C8H18 | 000111-65-9 | 64 |
| 2 | Heptane, 3-methyl- | 114 | C8H18 | 000589-81-1 | 38 |
| 3 | Hexane, 1,1'-oxybis- | 186 | C12H26O | 000112-58-3 | 27 |
| 4 | Heptane, 2,4,6-trimethyl- | 142 | C10H22 | 002613-61-8 | 27 |
| 5 | Oxirane, (2-methylbutyl)- | 114 | C7H14O | 053229-42-8 | 27 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
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**Instrument :**
MSVOA_Y
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TP-15-VOC

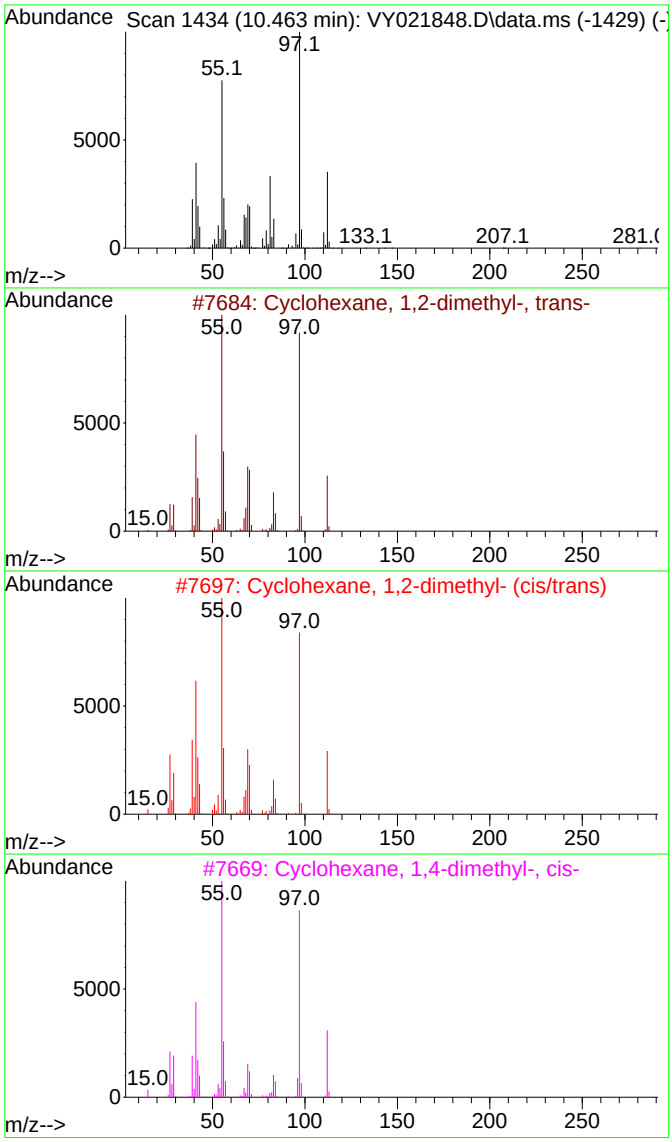
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

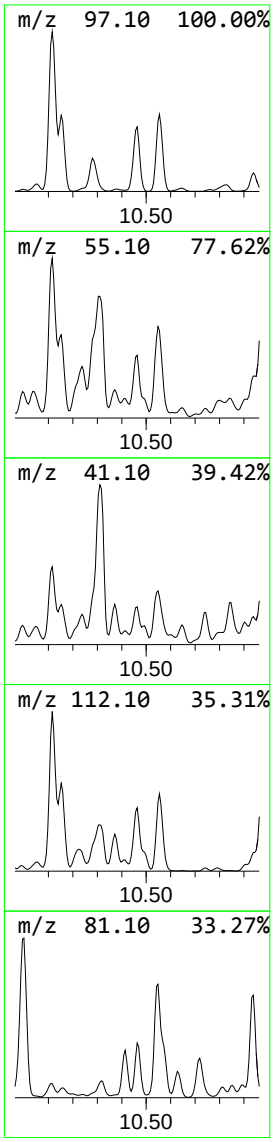
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.463 | 102.78 ug/l | 32835700 | Chlorobenzene-d5 | 11.420 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,2-dimethyl-, trans- | 112 | C8H16 | 006876-23-9 | 94 |
| 2 | Cyclohexane, 1,2-dimethyl- (cis/... | 112 | C8H16 | 000583-57-3 | 90 |
| 3 | Cyclohexane, 1,4-dimethyl-, cis- | 112 | C8H16 | 000624-29-3 | 87 |
| 4 | Cyclohexane, 1,4-dimethyl-, trans- | 112 | C8H16 | 002207-04-7 | 83 |
| 5 | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16 | 002207-03-6 | 83 |



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Sample : Q1760-07
Misc : 6.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
TP-15-VOC

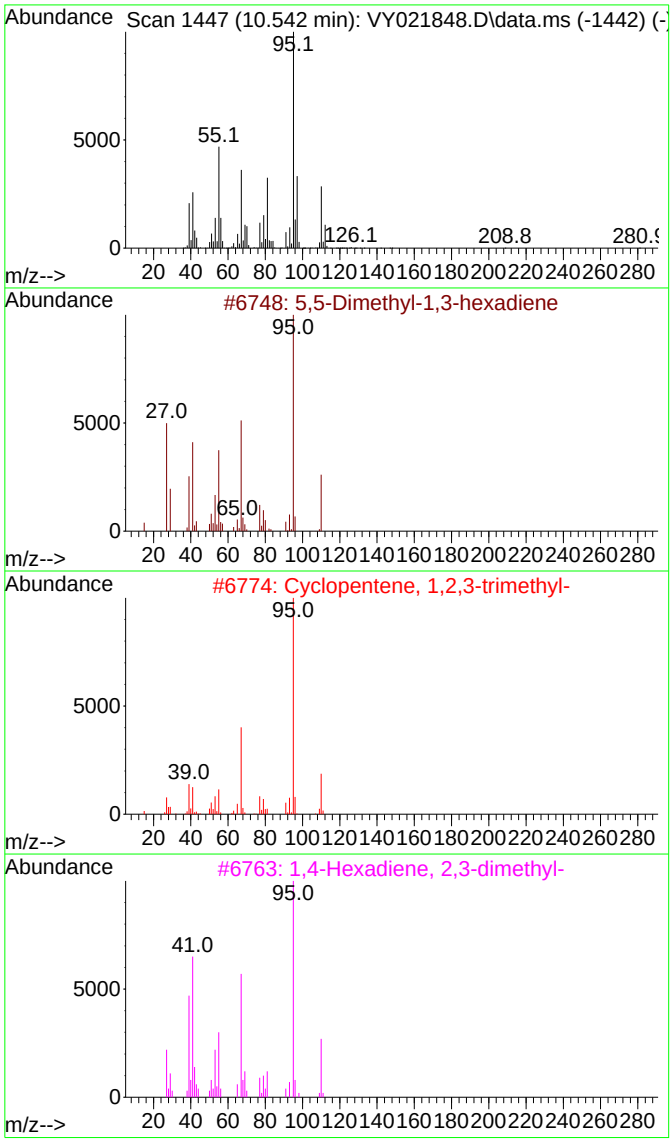
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

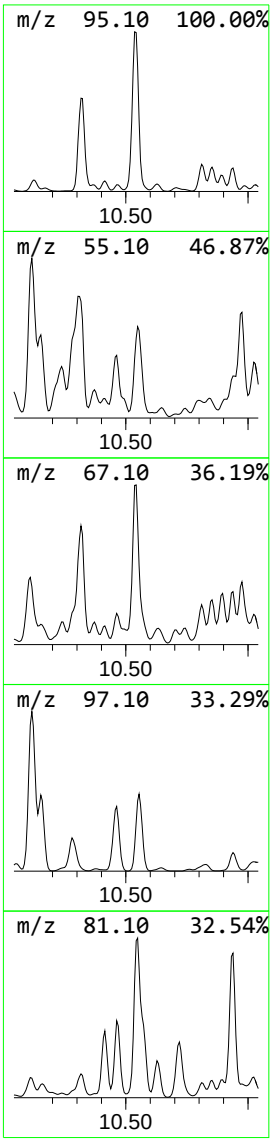
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 5,5-Dimethyl-1,3-hexadiene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.542 | 269.17 ug/l | 85993400 | Chlorobenzene-d5 | 11.420 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5,5-Dimethyl-1,3-hexadiene | 110 | C8H14 | 001515-79-3 | 87 |
| 2 | Cyclopentene, 1,2,3-trimethyl- | 110 | C8H14 | 000473-91-6 | 81 |
| 3 | 1,4-Hexadiene, 2,3-dimethyl- | 110 | C8H14 | 018669-52-8 | 81 |
| 4 | 4-Methyl-1,3-heptadiene | 110 | C8H14 | 017603-57-5 | 70 |
| 5 | trans-3,5-Dimethylcyclohexene | 110 | C8H14 | 056021-63-7 | 68 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021848.D
Acq On : 10 Apr 2025 19:08
Operator : SY/MD
Sample : Q1760-07
Misc : 6.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
TP-15-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

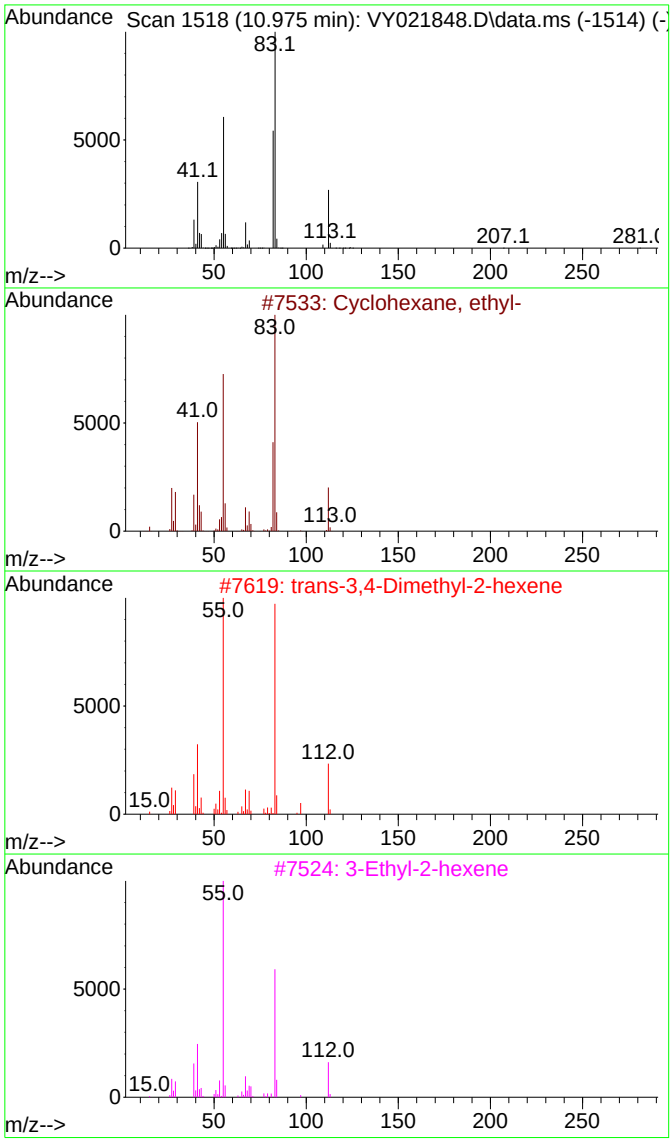
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

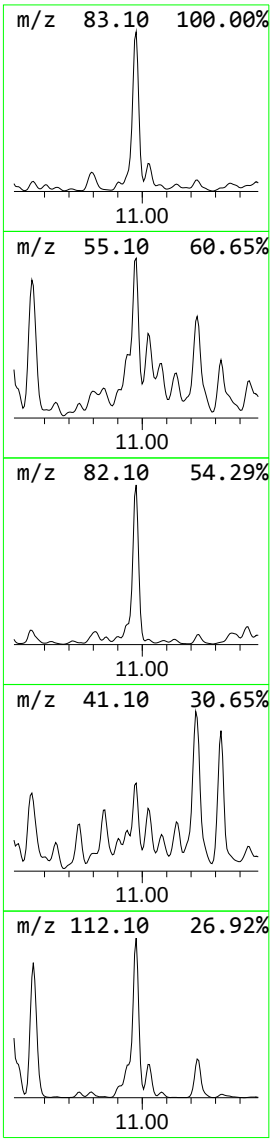
**********

Peak Number 4 Cyclohexane, ethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.975 | 113.44 ug/l | 36240500 | Chlorobenzene-d5 | 11.420 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, ethyl- | 112 | C8H16 | 001678-91-7 | 86 |
| 2 | trans-3,4-Dimethyl-2-hexene | 112 | C8H16 | 019550-82-4 | 53 |
| 3 | 3-Ethyl-2-hexene | 112 | C8H16 | 000620-00-8 | 53 |
| 4 | 3-Hexene, 3,4-dimethyl- | 112 | C8H16 | 030951-95-2 | 50 |
| 5 | Hexanal 2E-hexenyl 3Z-hexenyl ac... | 282 | C18H34O2 | 1000431-43-4 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021848.D
Acq On : 10 Apr 2025 19:08
Operator : SY/MD
Sample : Q1760-07
Misc : 6.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
TP-15-VOC

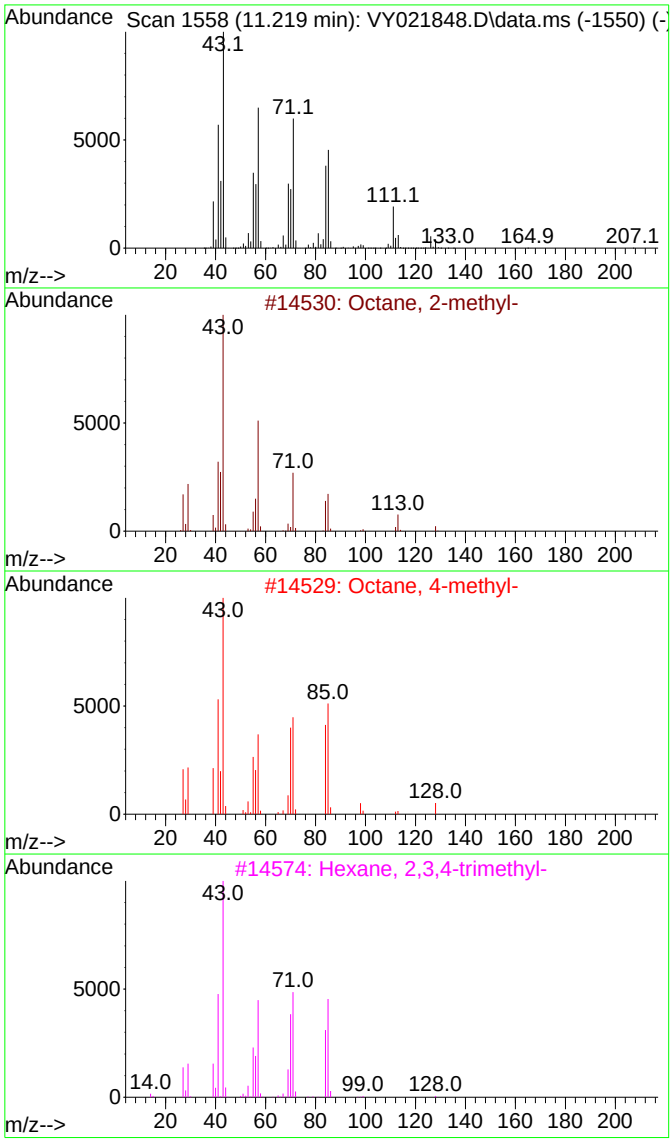
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

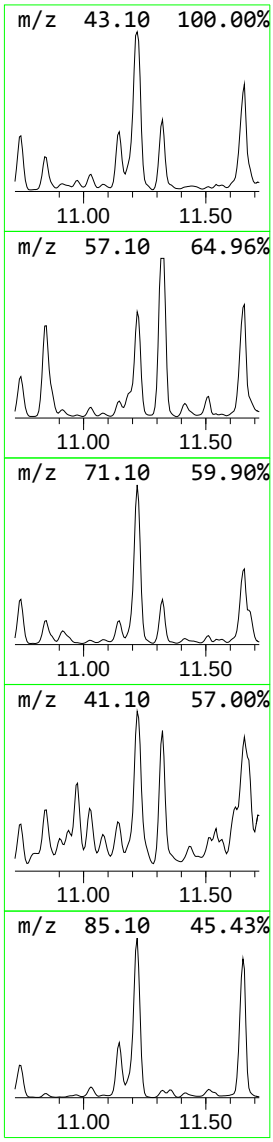
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Octane, 2-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.219 | 391.81 ug/l | 125172000 | Chlorobenzene-d5 | 11.420 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 2-methyl- | 128 | C9H20 | 003221-61-2 | 68 |
| 2 | Octane, 4-methyl- | 128 | C9H20 | 002216-34-4 | 52 |
| 3 | Hexane, 2,3,4-trimethyl- | 128 | C9H20 | 000921-47-1 | 50 |
| 4 | Octane | 114 | C8H18 | 000111-65-9 | 47 |
| 5 | Heptane, 2,4-dimethyl- | 128 | C9H20 | 002213-23-2 | 47 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021848.D
Acq On : 10 Apr 2025 19:08
Operator : SY/MD
Sample : Q1760-07
Misc : 6.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
TP-15-VOC

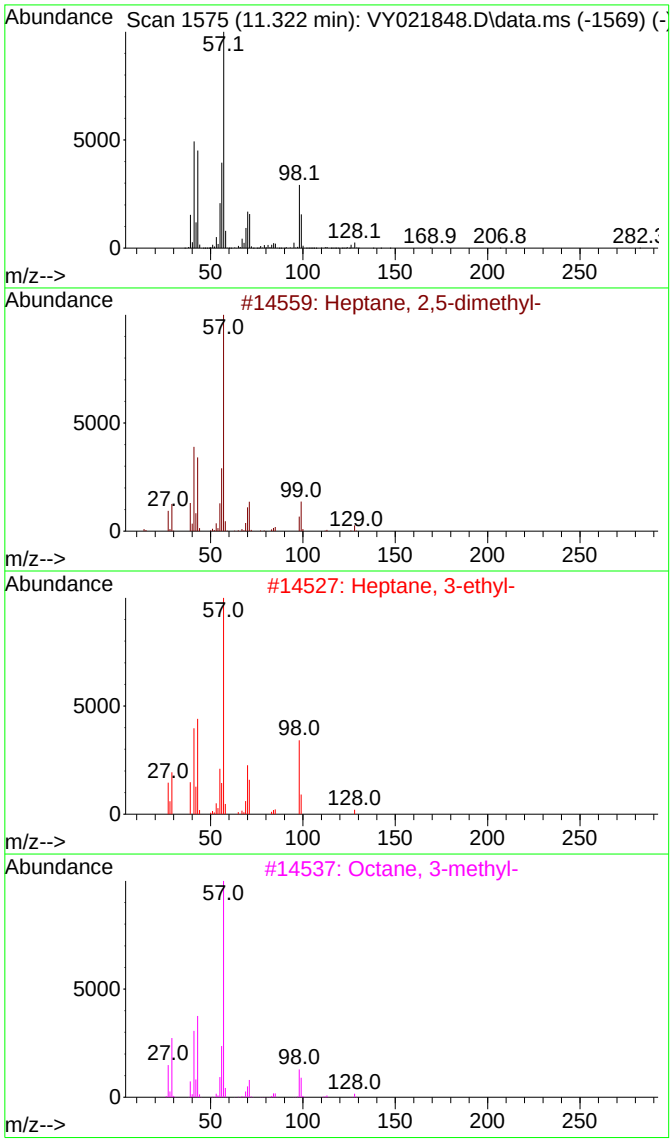
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

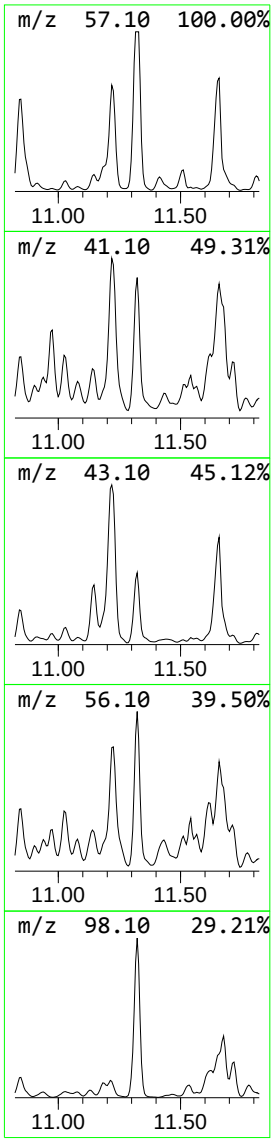
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Heptane, 2,5-dimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.322 | 225.45 ug/l | 72025300 | Chlorobenzene-d5 | 11.420 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2,5-dimethyl- | 128 | C9H20 | 002216-30-0 | 81 |
| 2 | Heptane, 3-ethyl- | 128 | C9H20 | 015869-80-4 | 70 |
| 3 | Octane, 3-methyl- | 128 | C9H20 | 002216-33-3 | 64 |
| 4 | Heptane, 3,5-dimethyl- | 128 | C9H20 | 000926-82-9 | 62 |
| 5 | Decane, 2,5-dimethyl- | 170 | C12H26 | 017312-50-4 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021848.D
Acq On : 10 Apr 2025 19:08
Operator : SY/MD
Sample : Q1760-07
Misc : 6.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
TP-15-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

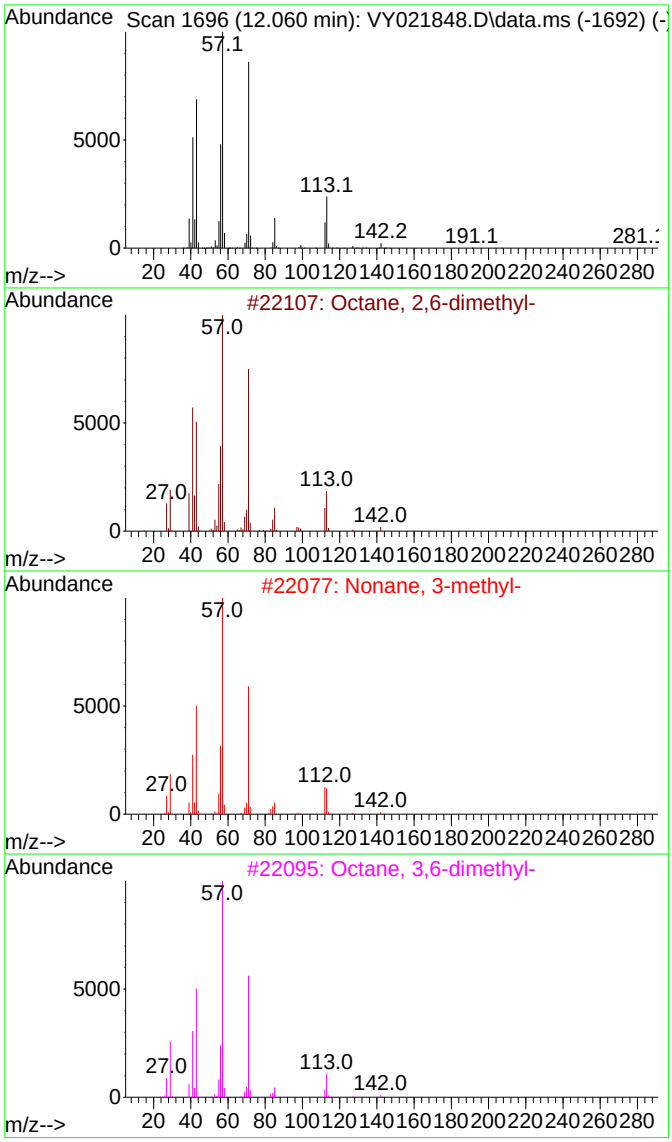
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

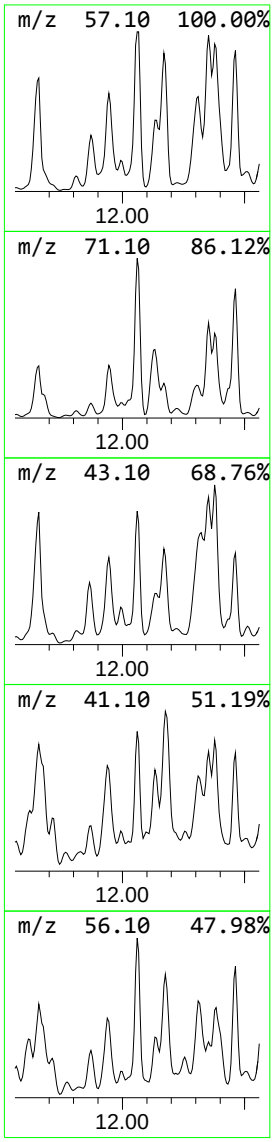
**********

Peak Number 7 Octane, 2,6-dimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.060 | 139.84 ug/l | 44676800 | Chlorobenzene-d5 | 11.420 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 2,6-dimethyl- | 142 | C10H22 | 002051-30-1 | 91 |
| 2 | Nonane, 3-methyl- | 142 | C10H22 | 005911-04-6 | 83 |
| 3 | Octane, 3,6-dimethyl- | 142 | C10H22 | 015869-94-0 | 83 |
| 4 | Undecane, 6,6-dimethyl- | 184 | C13H28 | 017312-76-4 | 59 |
| 5 | Octane, 2-bromo- | 192 | C8H17Br | 000557-35-7 | 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021848.D
Acq On : 10 Apr 2025 19:08
Operator : SY/MD
Sample : Q1760-07
Misc : 6.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
TP-15-VOC

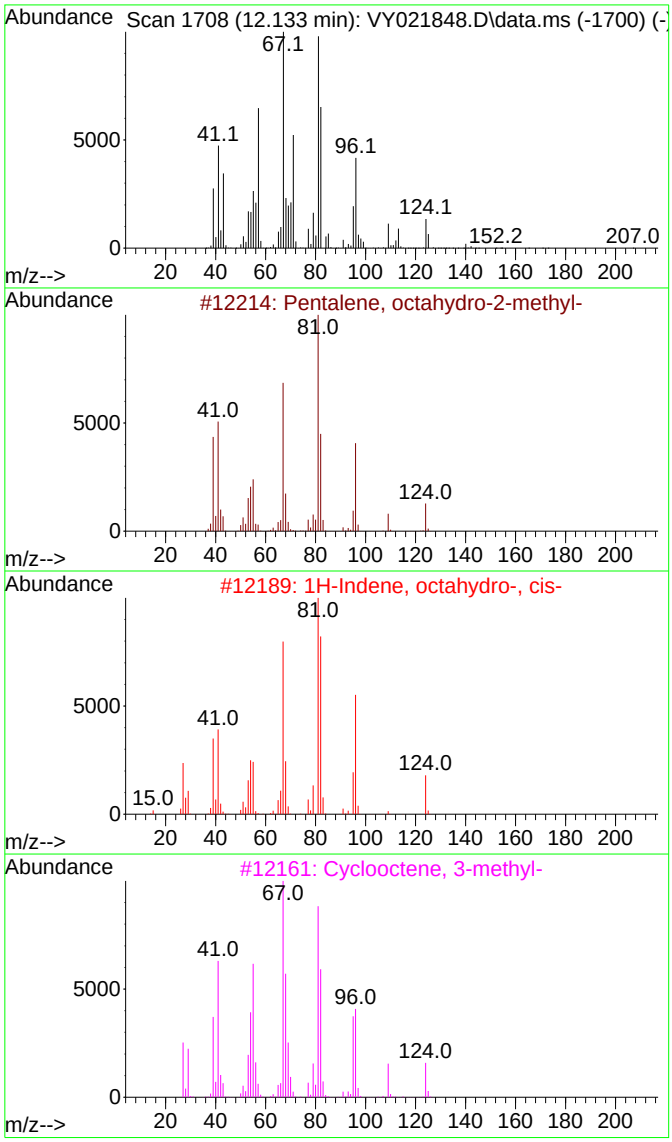
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

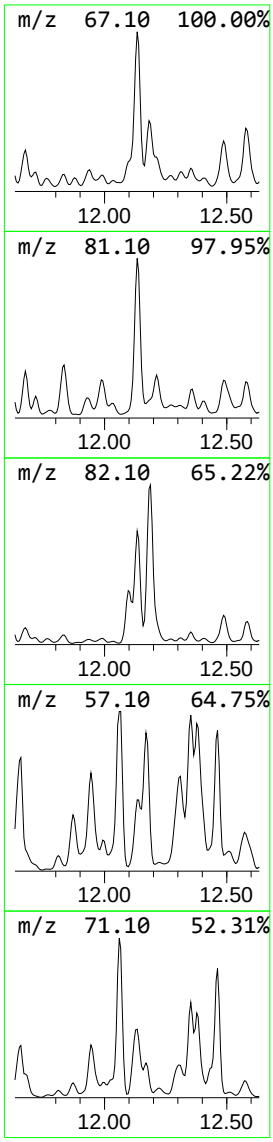
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Pentalene, octahydro-2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.133 | 220.74 ug/l | 70521000 | Chlorobenzene-d5 | 11.420 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentalene, octahydro-2-methyl- | 124 | C9H16 | 003868-64-2 | 74 |
| 2 | 1H-Indene, octahydro-, cis- | 124 | C9H16 | 004551-51-3 | 70 |
| 3 | Cyclooctene, 3-methyl- | 124 | C9H16 | 013152-05-1 | 62 |
| 4 | 1H-Indene, octahydro-, trans- | 124 | C9H16 | 003296-50-2 | 53 |
| 5 | Bicyclo[3.3.1]nonane | 124 | C9H16 | 000280-65-9 | 49 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021848.D
Acq On : 10 Apr 2025 19:08
Operator : SY/MD
Sample : Q1760-07
Misc : 6.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
TP-15-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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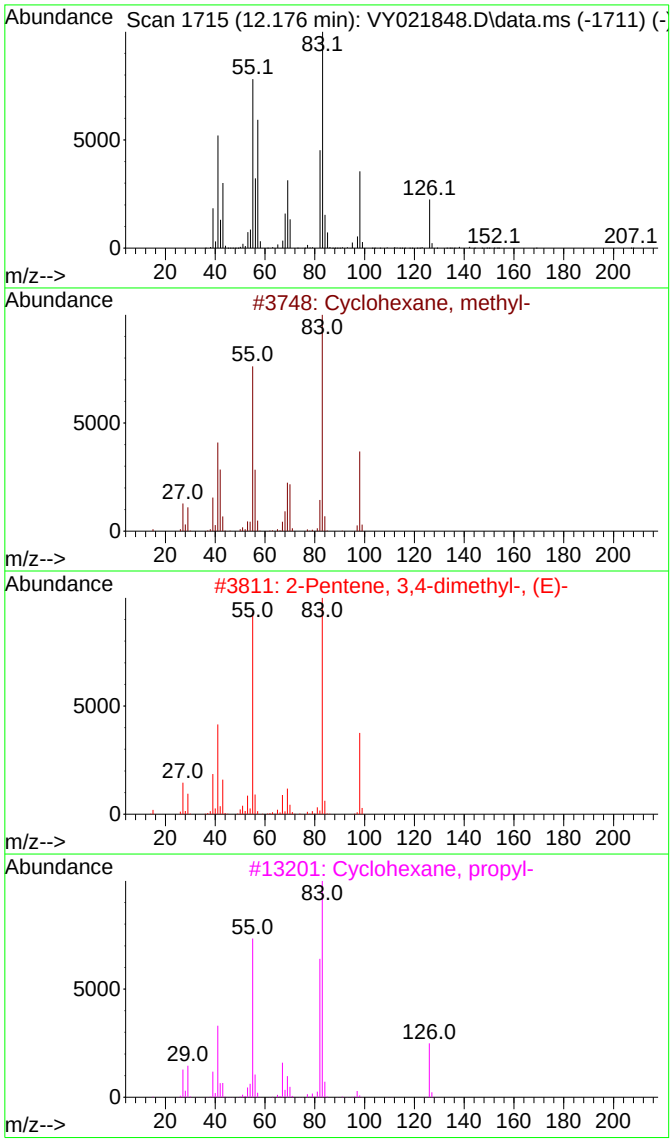
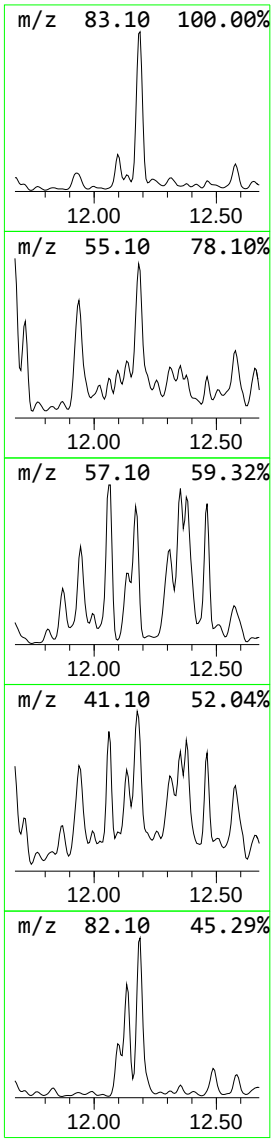
Peak Number 9 unknown12.176 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.176 | 312.43 ug/l | 99812400 | Chlorobenzene-d5 | 11.420 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, methyl- | 98 | C7H14 | 000108-87-2 | 58 |
| 2 | 2-Pentene, 3,4-dimethyl-, (E)- | 98 | C7H14 | 004914-92-5 | 47 |
| 3 | Cyclohexane, propyl- | 126 | C9H18 | 001678-92-8 | 47 |
| 4 | 2-Pentene, 3,4-dimethyl-, (Z)- | 98 | C7H14 | 004914-91-4 | 43 |
| 5 | Cyclohexane, (1-methylethyl)- | 126 | C9H18 | 000696-29-7 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021848.D
Acq On : 10 Apr 2025 19:08
Operator : SY/MD
Sample : Q1760-07
Misc : 6.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
TP-15-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

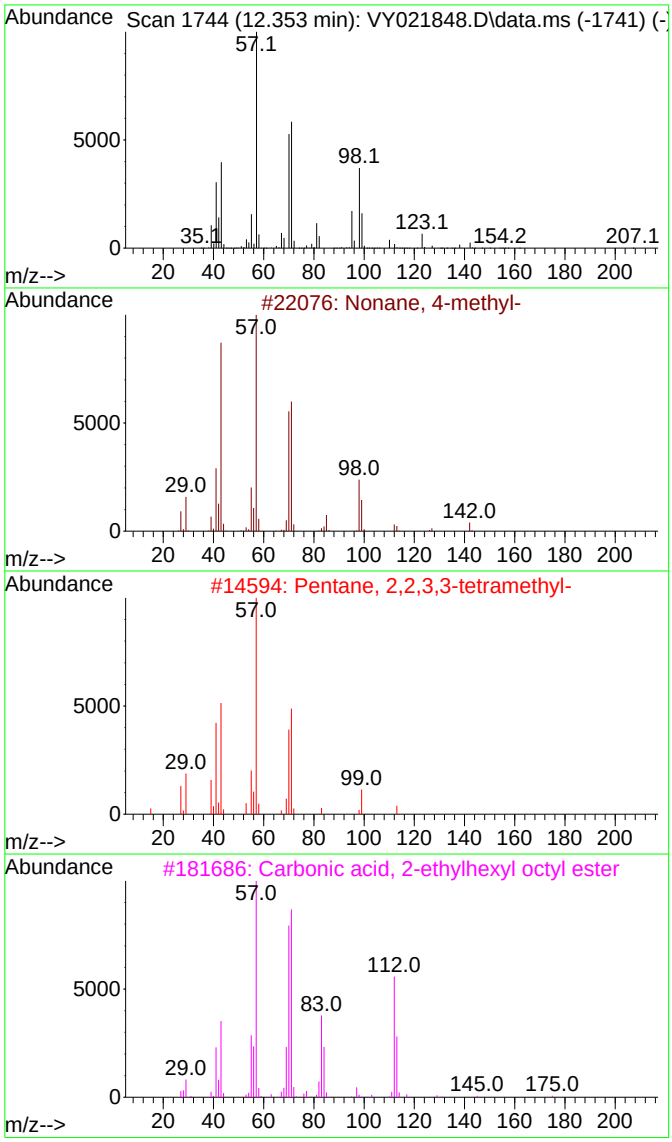
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

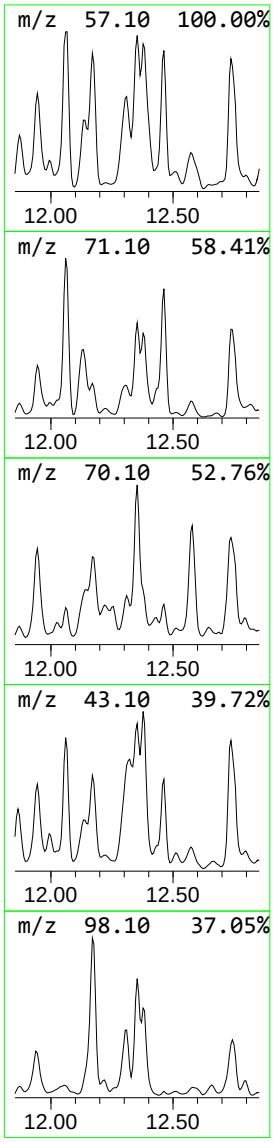
**********

Peak Number 10 Nonane, 4-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.353 | 152.13 ug/l | 48602400 | Chlorobenzene-d5 | 11.420 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonane, 4-methyl- | 142 | C10H22 | 017301-94-9 | 59 |
| 2 | Pentane, 2,2,3,3-tetramethyl- | 128 | C9H20 | 007154-79-2 | 50 |
| 3 | Carbonic acid, 2-ethylhexyl octy... | 286 | C17H34O3 | 1000383-13-5 | 47 |
| 4 | Octane, 3,5-dimethyl- | 142 | C10H22 | 015869-93-9 | 43 |
| 5 | Hexane, 2,4,4-trimethyl- | 128 | C9H20 | 016747-30-1 | 37 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021848.D
Acq On : 10 Apr 2025 19:08
Operator : SY/MD
Sample : Q1760-07
Misc : 6.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
TP-15-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Octane | 10.310 | 543.9 | ug/l | 173764000 | 3 | 11.420 | 15973800 | 50.0 |
| Cyclohexane, 1,... | 10.463 | 102.8 | ug/l | 32835700 | 3 | 11.420 | 15973800 | 50.0 |
| 5,5-Dimethyl-1,... | 10.542 | 269.2 | ug/l | 85993400 | 3 | 11.420 | 15973800 | 50.0 |
| Cyclohexane, et... | 10.975 | 113.4 | ug/l | 36240500 | 3 | 11.420 | 15973800 | 50.0 |
| Octane, 2-methyl- | 11.219 | 391.8 | ug/l | 125172000 | 3 | 11.420 | 15973800 | 50.0 |
| Heptane, 2,5-di... | 11.322 | 225.4 | ug/l | 72025300 | 3 | 11.420 | 15973800 | 50.0 |
| Octane, 2,6-dim... | 12.060 | 139.8 | ug/l | 44676800 | 3 | 11.420 | 15973800 | 50.0 |
| Pentalene, octa... | 12.133 | 220.7 | ug/l | 70521000 | 3 | 11.420 | 15973800 | 50.0 |
| unknown12.176 | 12.176 | 312.4 | ug/l | 99812400 | 3 | 11.420 | 15973800 | 50.0 |
| Nonane, 4-methyl- | 12.353 | 152.1 | ug/l | 48602400 | 3 | 11.420 | 15973800 | 50.0 |