# LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
Data File : VD066303.D
Acq On : 19 Aug 2020 04:56
Operator : VA/SY
Sample : L3689-04
Misc : 5.47G/5.00ml/MSVOA D/SOIL
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** TP-5

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_D\METHOD\82D080520S.M
Title : SW846 8260

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.173 | 38 | 43 | 47 | rVB3 | 4367 | 6394 | 1.06% | 0.097% |
| 2 | 4.955 | 509 | 516 | 526 | rBV6 | 5209 | 18227 | 3.01% | 0.276% |
| 3 | 7.908 | 1009 | 1018 | 1024 | rBV | 102364 | 254621 | 42.07% | 3.856% |
| 4 | 7.973 | 1024 | 1029 | 1038 | rVV2 | 204707 | 458915 | 75.83% | 6.951% |
| 5 | 8.067 | 1040 | 1045 | 1051 | rVB6 | 6806 | 14896 | 2.46% | 0.226% |
| 6 | 8.179 | 1059 | 1064 | 1072 | rBV5 | 3542 | 7560 | 1.25% | 0.115% |
| 7 | 8.326 | 1080 | 1089 | 1100 | rBV | 85888 | 190789 | 31.53% | 2.890% |
| 8 | 8.502 | 1112 | 1119 | 1129 | rVB3 | 21831 | 52197 | 8.62% | 0.791% |
| 9 | 8.861 | 1169 | 1180 | 1192 | rBV | 245748 | 508898 | 84.09% | 7.708% |
| 10 | 9.355 | 1252 | 1264 | 1268 | rBV4 | 15089 | 35783 | 5.91% | 0.542% |
| 11 | 9.408 | 1268 | 1273 | 1279 | rVB3 | 6317 | 12351 | 2.04% | 0.187% |
| 12 | 9.773 | 1328 | 1335 | 1342 | rVB3 | 19136 | 38723 | 6.40% | 0.586% |
| 13 | 9.908 | 1350 | 1358 | 1364 | rBV2 | 21990 | 46282 | 7.65% | 0.701% |
| 14 | 9.973 | 1364 | 1369 | 1371 | rBV3 | 3919 | 6471 | 1.07% | 0.098% |
| 15 | 10.114 | 1381 | 1393 | 1402 | rVB4 | 9390 | 28017 | 4.63% | 0.424% |
| 16 | 10.261 | 1414 | 1418 | 1423 | rVB2 | 8666 | 12294 | 2.03% | 0.186% |
| 17 | 10.337 | 1423 | 1431 | 1444 | rBV | 327029 | 605184 | 100.00% | 9.166% |
| 18 | 10.502 | 1455 | 1459 | 1467 | rVB6 | 4930 | 12543 | 2.07% | 0.190% |
| 19 | 10.673 | 1483 | 1488 | 1492 | rBV4 | 6440 | 10256 | 1.69% | 0.155% |
| 20 | 10.767 | 1499 | 1504 | 1505 | rBV4 | 4829 | 6509 | 1.08% | 0.099% |
| 21 | 10.861 | 1515 | 1520 | 1524 | rVB5 | 4607 | 8260 | 1.36% | 0.125% |
| 22 | 10.949 | 1529 | 1535 | 1541 | rVB3 | 6553 | 10911 | 1.80% | 0.165% |
| 23 | 11.049 | 1544 | 1552 | 1556 | rBV4 | 7876 | 16949 | 2.80% | 0.257% |
| 24 | 11.190 | 1568 | 1576 | 1580 | rBV7 | 7221 | 13883 | 2.29% | 0.210% |
| 25 | 11.243 | 1580 | 1585 | 1590 | rVB5 | 17671 | 30493 | 5.04% | 0.462% |
| 26 | 11.355 | 1598 | 1604 | 1608 | rBV6 | 8229 | 16132 | 2.67% | 0.244% |
| 27 | 11.449 | 1615 | 1620 | 1627 | rVB8 | 11836 | 25399 | 4.20% | 0.385% |
| 28 | 11.526 | 1627 | 1633 | 1636 | rBV4 | 4708 | 8935 | 1.48% | 0.135% |
| 29 | 11.643 | 1644 | 1653 | 1663 | rBV | 244430 | 424949 | 70.22% | 6.436% |
| 30 | 11.778 | 1672 | 1676 | 1679 | rVB5 | 5220 | 6244 | 1.03% | 0.095% |
| 31 | 11.837 | 1680 | 1686 | 1690 | rBV6 | 9088 | 19460 | 3.22% | 0.295% |
| 32 | 11.884 | 1690 | 1694 | 1699 | rBV4 | 16692 | 28606 | 4.73% | 0.433% |
| 33 | 11.984 | 1707 | 1711 | 1715 | rBV5 | 3987 | 6908 | 1.14% | 0.105% |
| 34 | 12.067 | 1719 | 1725 | 1726 | rBV5 | 7072 | 10241 | 1.69% | 0.155% |

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Sample : L3689-04
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ALS Vial : 39 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** TP-5

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_D\METHOD\82D080520S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 12.149 | 1732 | 1739 | 1748 | rBV8 | 31615 | 86175 | 14.24% | 1.305% |
| 36 | 12.267 | 1751 | 1759 | 1764 | rVB7 | 18272 | 40537 | 6.70% | 0.614% |
| 37 | 12.355 | 1764 | 1774 | 1776 | rBV6 | 29313 | 68244 | 11.28% | 1.034% |
| 38 | 12.378 | 1776 | 1778 | 1785 | rVB4 | 28372 | 50751 | 8.39% | 0.769% |
| 39 | 12.514 | 1796 | 1801 | 1808 | rVB8 | 16120 | 42356 | 7.00% | 0.642% |
| 40 | 12.631 | 1814 | 1821 | 1828 | rVB | 167517 | 294550 | 48.67% | 4.461% |
| 41 | 12.720 | 1828 | 1836 | 1841 | rBV8 | 19582 | 52928 | 8.75% | 0.802% |
| 42 | 12.796 | 1843 | 1849 | 1856 | rVB6 | 48092 | 109514 | 18.10% | 1.659% |
| 43 | 12.884 | 1856 | 1864 | 1868 | rBV7 | 31305 | 76928 | 12.71% | 1.165% |
| 44 | 12.961 | 1870 | 1877 | 1883 | rBV7 | 58072 | 129831 | 21.45% | 1.966% |
| 45 | 13.102 | 1896 | 1901 | 1904 | rVV4 | 24334 | 34091 | 5.63% | 0.516% |
| 46 | 13.143 | 1905 | 1908 | 1912 | rVB5 | 11398 | 14478 | 2.39% | 0.219% |
| 47 | 13.202 | 1913 | 1918 | 1924 | rVB8 | 16198 | 34841 | 5.76% | 0.528% |
| 48 | 13.267 | 1924 | 1929 | 1935 | rBV3 | 45408 | 90257 | 14.91% | 1.367% |
| 49 | 13.320 | 1935 | 1938 | 1942 | rBV6 | 12247 | 15360 | 2.54% | 0.233% |
| 50 | 13.402 | 1949 | 1952 | 1956 | rBV5 | 13347 | 18954 | 3.13% | 0.287% |
| 51 | 13.461 | 1956 | 1962 | 1967 | rVV7 | 24019 | 67093 | 11.09% | 1.016% |
| 52 | 13.502 | 1967 | 1969 | 1975 | rVB7 | 19621 | 28488 | 4.71% | 0.431% |
| 53 | 13.578 | 1975 | 1982 | 1991 | rBV2 | 128848 | 267009 | 44.12% | 4.044% |
| 54 | 13.720 | 2001 | 2006 | 2011 | rBV8 | 19336 | 41373 | 6.84% | 0.627% |
| 55 | 13.902 | 2030 | 2037 | 2041 | rBV4 | 114964 | 221431 | 36.59% | 3.354% |
| 56 | 14.008 | 2051 | 2055 | 2058 | rBV6 | 28969 | 51482 | 8.51% | 0.780% |
| 57 | 14.072 | 2064 | 2066 | 2067 | rBV2 | 11594 | 8595 | 1.42% | 0.130% |
| 58 | 14.120 | 2070 | 2074 | 2081 | rVB2 | 74231 | 158877 | 26.25% | 2.406% |
| 59 | 14.184 | 2081 | 2085 | 2087 | rBV5 | 11404 | 16185 | 2.67% | 0.245% |
| 60 | 14.231 | 2088 | 2093 | 2097 | rVB5 | 45135 | 69377 | 11.46% | 1.051% |
| 61 | 14.296 | 2098 | 2104 | 2109 | rVB9 | 36156 | 75481 | 12.47% | 1.143% |
| 62 | 14.355 | 2109 | 2114 | 2118 | rBV7 | 25590 | 50593 | 8.36% | 0.766% |
| 63 | 14.408 | 2118 | 2123 | 2126 | rBV3 | 72665 | 122112 | 20.18% | 1.849% |
| 64 | 14.443 | 2127 | 2129 | 2133 | rVB | 44786 | 53696 | 8.87% | 0.813% |
| 65 | 14.531 | 2139 | 2144 | 2145 | rBV5 | 23566 | 32411 | 5.36% | 0.491% |
| 66 | 14.572 | 2148 | 2151 | 2157 | rVB5 | 59134 | 98097 | 16.21% | 1.486% |
| 67 | 14.690 | 2166 | 2171 | 2174 | rBV6 | 26197 | 46869 | 7.74% | 0.710% |
| 68 | 14.767 | 2180 | 2184 | 2188 | rVB6 | 34586 | 58509 | 9.67% | 0.886% |
| 69 | 14.825 | 2188 | 2194 | 2201 | rBV4 | 107571 | 258506 | 42.72% | 3.915% |
| 70 | 14.890 | 2201 | 2205 | 2209 | rVB5 | 40178 | 65661 | 10.85% | 0.994% |
| 71 | 15.002 | 2220 | 2224 | 2226 | rBV5 | 23765 | 31085 | 5.14% | 0.471% |

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ALS Vial : 39 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** TP-5

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

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 15.096 | 2236 | 2240 | 2244 | rBV7 | 51232 | 78752 | 13.01% | 1.193% |
| 73 | 15.214 | 2255 | 2260 | 2268 | rVB7 | 59911 | 136303 | 22.52% | 2.064% |
| 74 | 15.449 | 2298 | 2300 | 2305 | rVB6 | 26163 | 30381 | 5.02% | 0.460% |
| 75 | 15.549 | 2315 | 2317 | 2324 | rVB8 | 51275 | 100157 | 16.55% | 1.517% |
| 76 | 16.225 | 2425 | 2432 | 2438 | rBV10 | 37981 | 105699 | 17.47% | 1.601% |
| 77 | 16.702 | 2508 | 2513 | 2527 | rVB8 | 71095 | 214201 | 35.39% | 3.244% |

Sum of corrected areas: 6602498

LSC Report - Integrated Chromatogram

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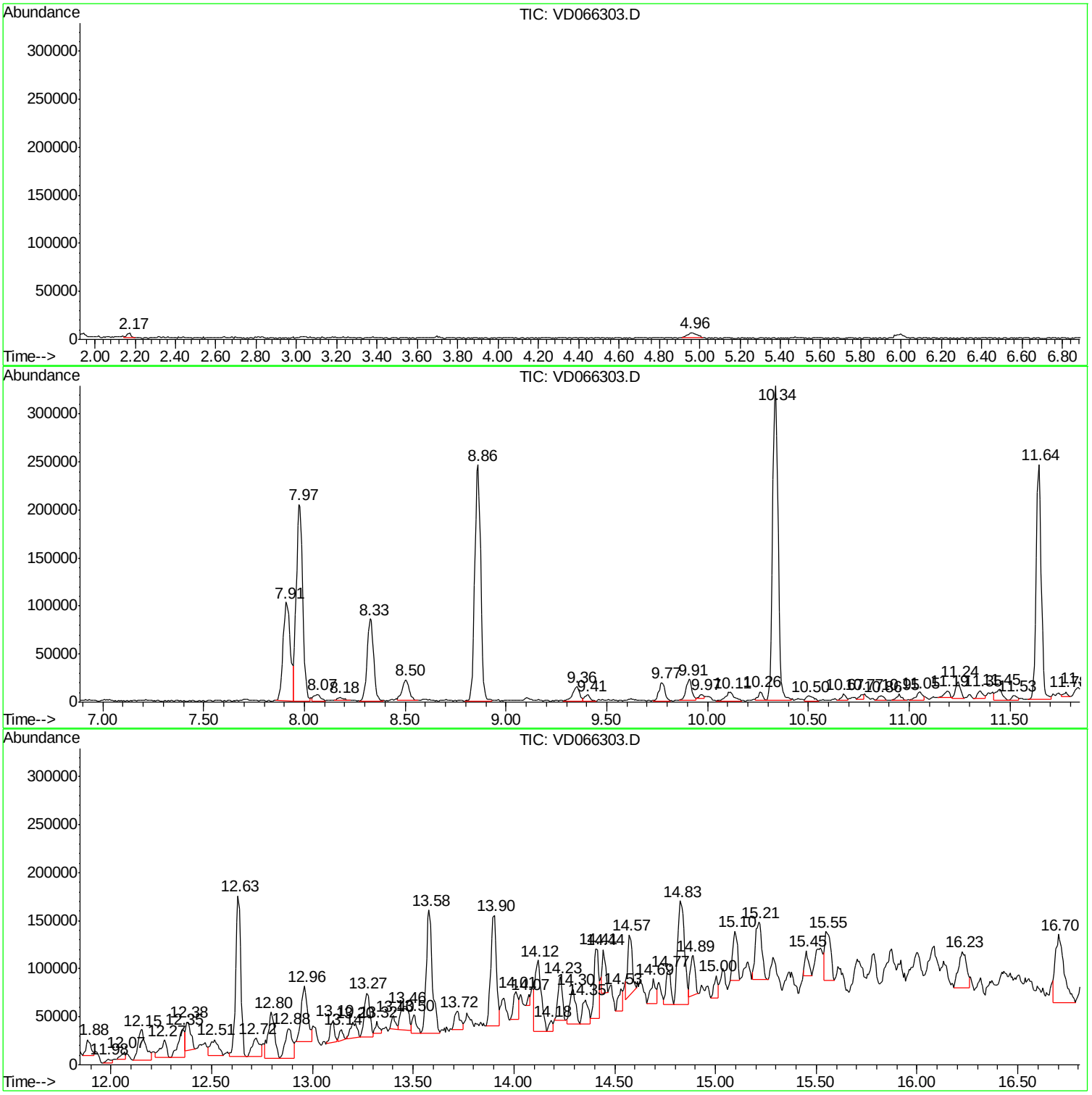
Operator : VA/SY
Sample : L3689-04
Misc : 5.47G/5.00ml/MSVOA D/SOIL
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** TP-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260

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



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
Data File : VD066303.D
Acq On : 19 Aug 2020 04:56
Operator : VA/SY
Sample : L3689-04
Misc : 5.47G/5.00ml/MSVOA D/SOIL
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** TP-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260

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

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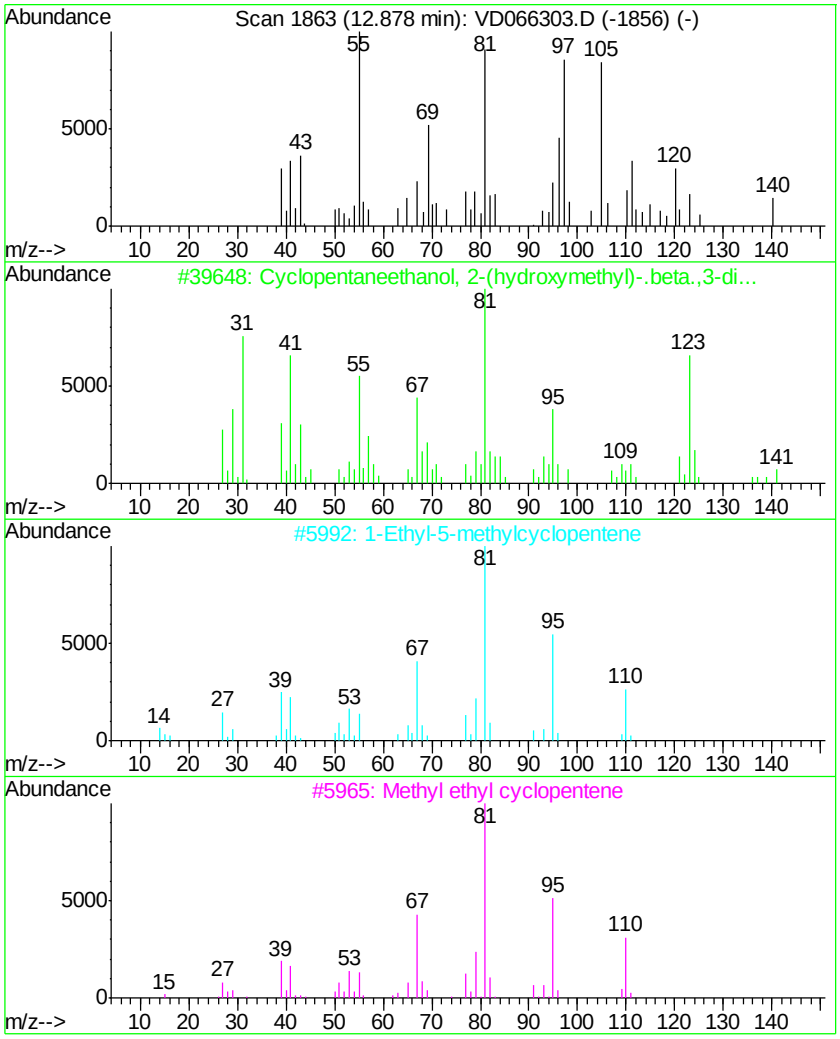
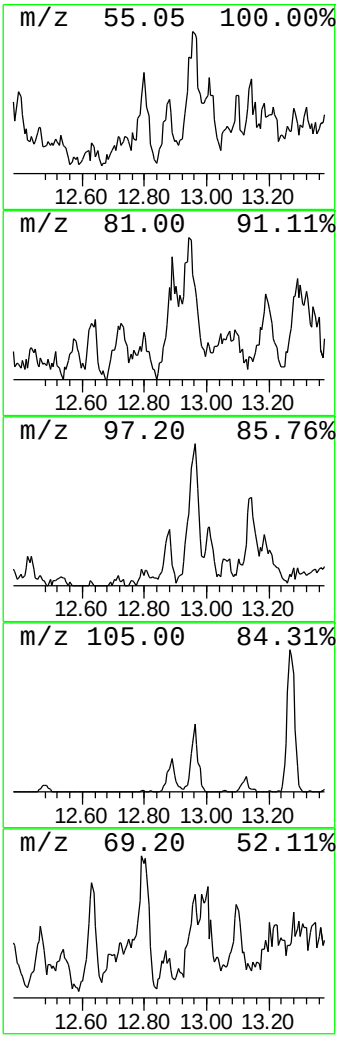
Peak Number 1 unknown12.88 Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.88 | 14.41 ug/l | 76928 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentaneethanol, 2-(hydroxym... | 172 | C10H20O2 | 000485-42-7 | 43 |
| 2 | 1-Ethyl-5-methylcyclopentene | 110 | C8H14 | 097797-57-4 | 43 |
| 3 | Methyl ethyl cyclopentene | 110 | C8H14 | 019780-56-4 | 43 |
| 4 | Cyclohexene, 4-methyl- | 96 | C7H12 | 000591-47-9 | 43 |
| 5 | Cyclohexanepropanal | 140 | C9H16O | 004361-28-8 | 38 |



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Data File : VD066303.D
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Operator : VA/SY
Sample : L3689-04
Misc : 5.47G/5.00ml/MSVOA D/SOIL
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** TP-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260

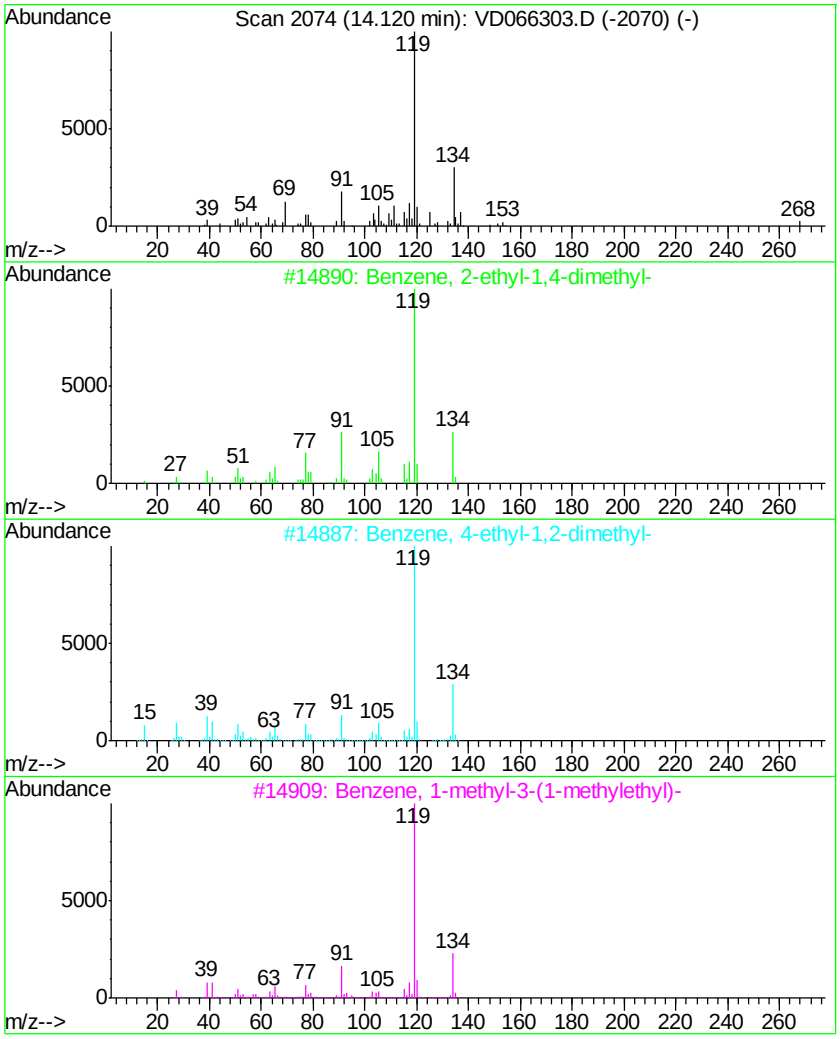
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

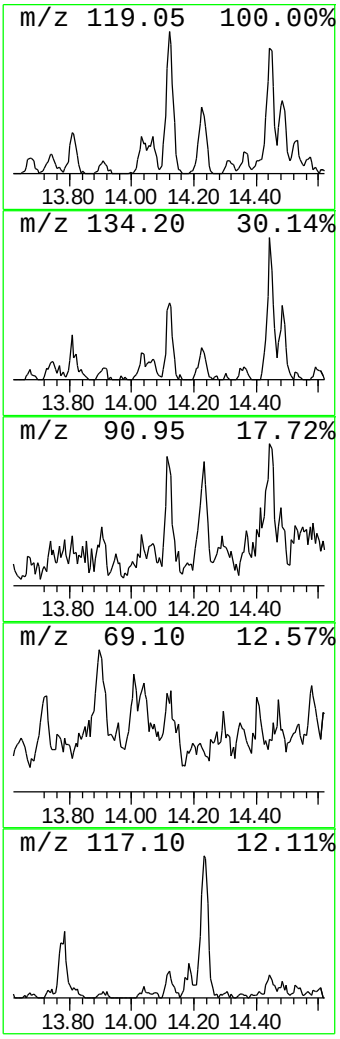
**********

Peak Number 2 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.12 | 29.75 ug/l | 158877 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 95 |
| 2 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 93 |
| 3 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 93 |
| 4 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 91 |
| 5 | p-Cymene | 134 | C10H14 | 000099-87-6 | 90 |



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ALS Vial : 39 Sample Multiplier: 1

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**ClientSampleId :** TP-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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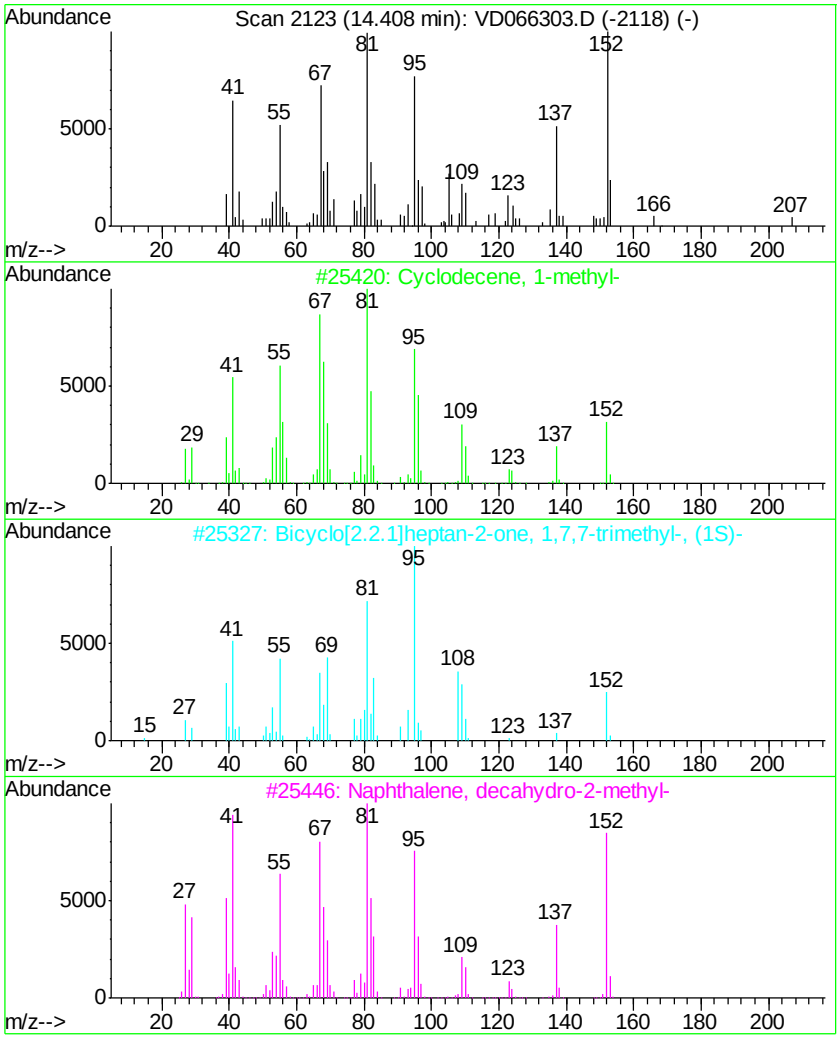
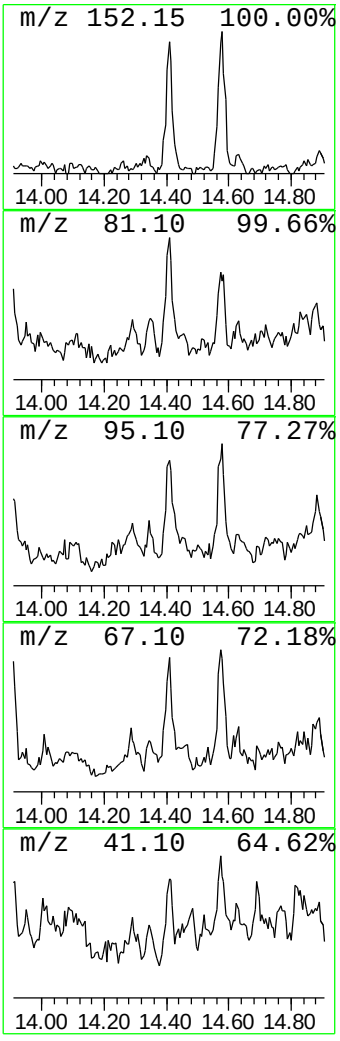
Peak Number 3 Cyclodecene, 1-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.41 | 22.87 ug/l | 122112 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclodecene, 1-methyl- | 152 | C11H20 | 066633-38-3 | 81 |
| 2 | Bicyclo[2.2.1]heptan-2-one, 1,7,... | 152 | C10H16O | 000464-48-2 | 64 |
| 3 | Naphthalene, decahydro-2-methyl- | 152 | C11H20 | 002958-76-1 | 64 |
| 4 | Decalin, anti-1-methyl-, cis- | 152 | C11H20 | 1000158-89-0 | 62 |
| 5 | Decalin, syn-1-methyl-, cis- | 152 | C11H20 | 1000158-89-1 | 62 |



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Sample : L3689-04
Misc : 5.47G/5.00ml/MSVOA D/SOIL
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** MSVOA_D
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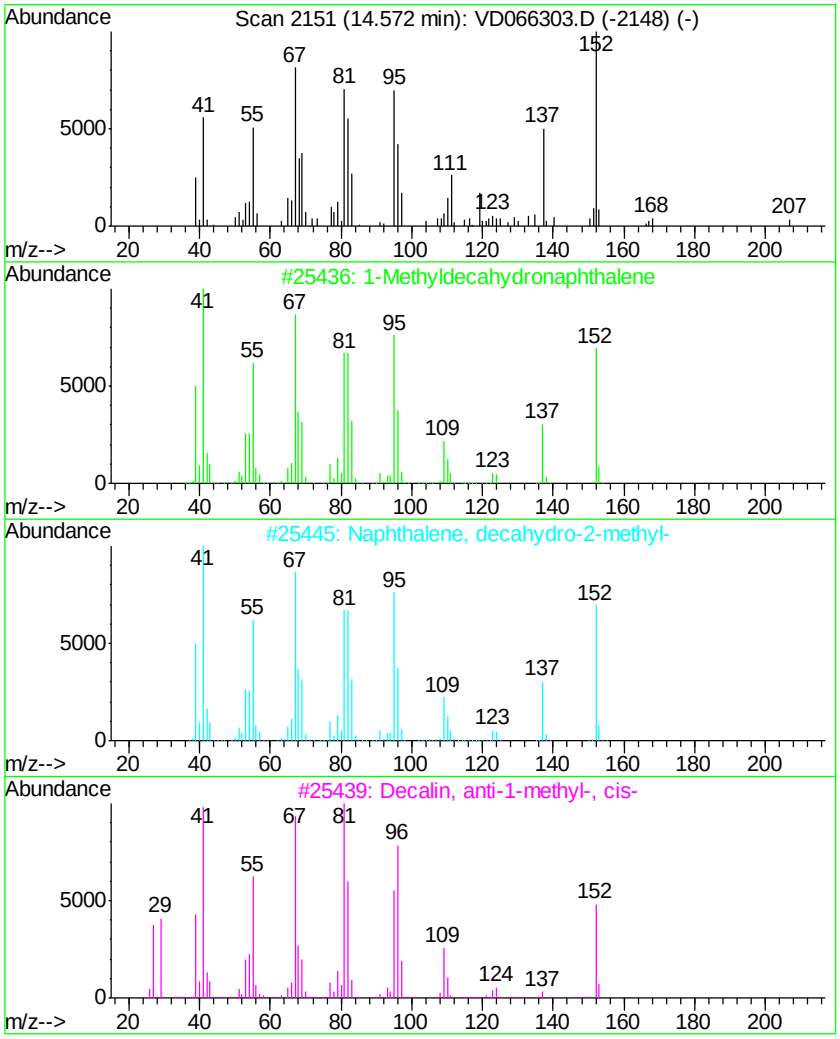
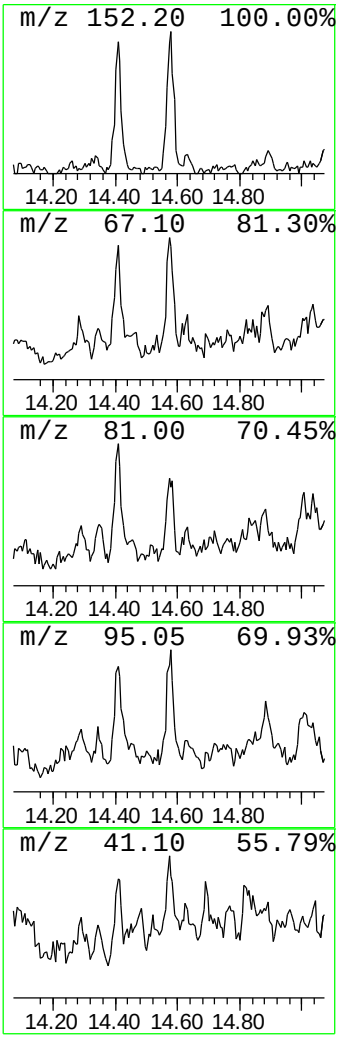
Peak Number 4 1-Methyldecahydronaphthalene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.57 | 18.37 ug/l | 98097 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Methyldecahydronaphthalene | 152 | C11H20 | 002958-75-0 | 93 |
| 2 | Naphthalene, decahydro-2-methyl- | 152 | C11H20 | 002958-76-1 | 93 |
| 3 | Decalin, anti-1-methyl-, cis- | 152 | C11H20 | 1000158-89-0 | 64 |
| 4 | Decalin, syn-1-methyl-, cis- | 152 | C11H20 | 1000158-89-1 | 55 |
| 5 | Bicyclo[5.4.0]undecane (trans) | 152 | C11H20 | 021394-30-9 | 52 |



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Quant Title : SW846 8260

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

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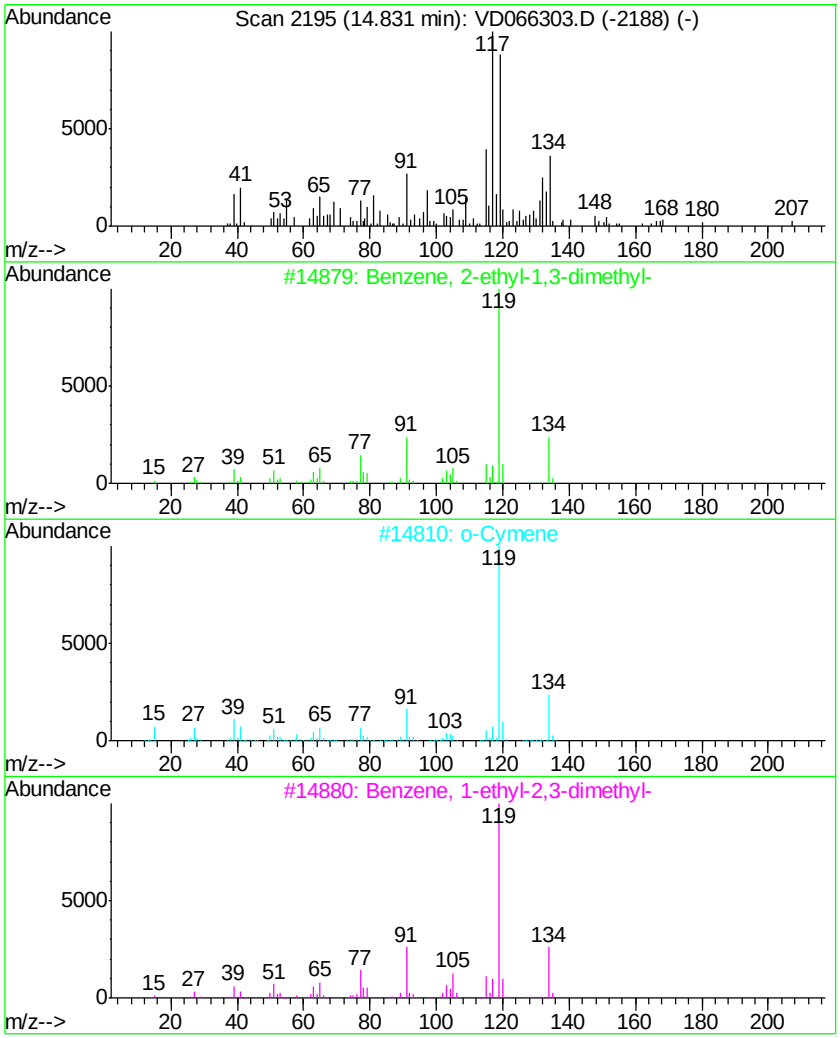
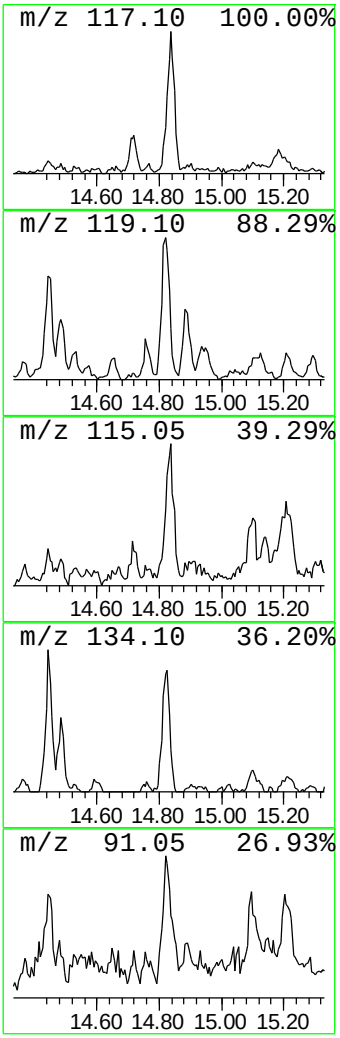
Peak Number 5 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.83 | 48.41 ug/l | 258506 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 55 |
| 2 | o-Cymene | 134 | C10H14 | 000527-84-4 | 55 |
| 3 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 55 |
| 4 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 55 |
| 5 | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14 | 076089-59-3 | 49 |



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TIC Integration Parameters: LSCINT.P

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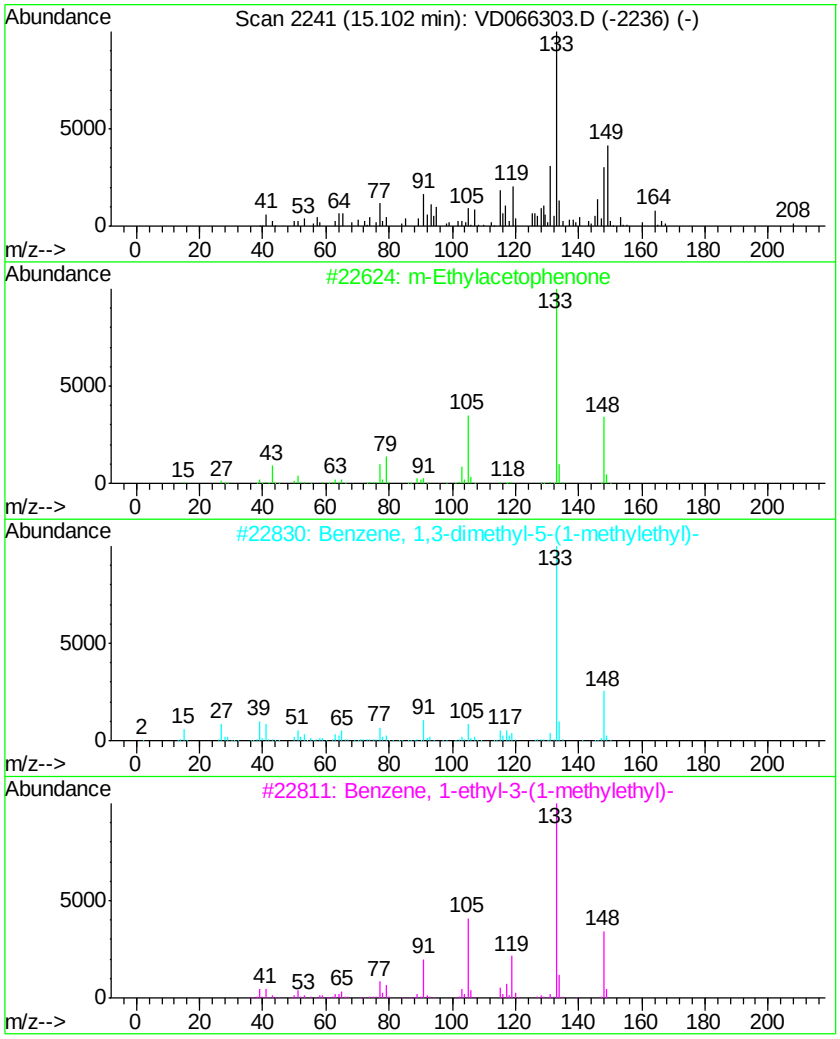
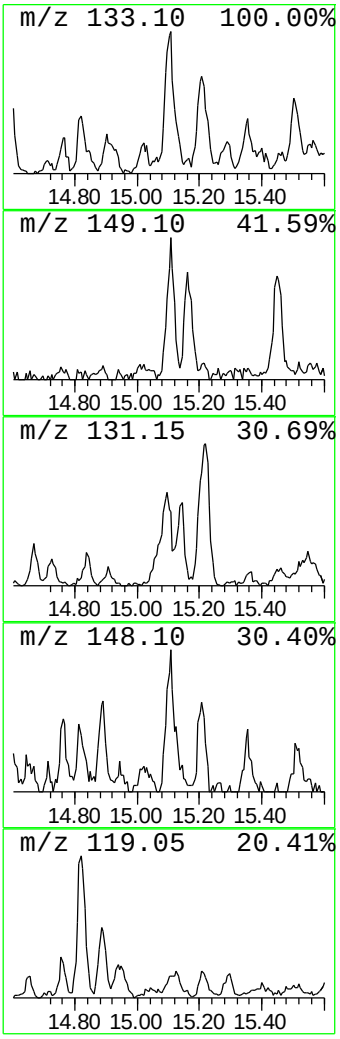
Peak Number 6 unknown15.10 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.10 | 14.75 ug/l | 78752 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | m-Ethylacetophenone | 148 | C10H12O | 022699-70-3 | 43 |
| 2 | Benzene, 1,3-dimethyl-5-(1-methy... | 148 | C11H16 | 004706-90-5 | 43 |
| 3 | Benzene, 1-ethyl-3-(1-methylethyl)- | 148 | C11H16 | 004920-99-4 | 43 |
| 4 | 5-Aminoindazole | 133 | C7H7N3 | 019335-11-6 | 38 |
| 5 | 2-tert-Butyltoluene | 148 | C11H16 | 001074-92-6 | 38 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
Data File : VD066303.D
Acq On : 19 Aug 2020 04:56
Operator : VA/SY
Sample : L3689-04
Misc : 5.47G/5.00ml/MSVOA D/SOIL
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** TP-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260

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

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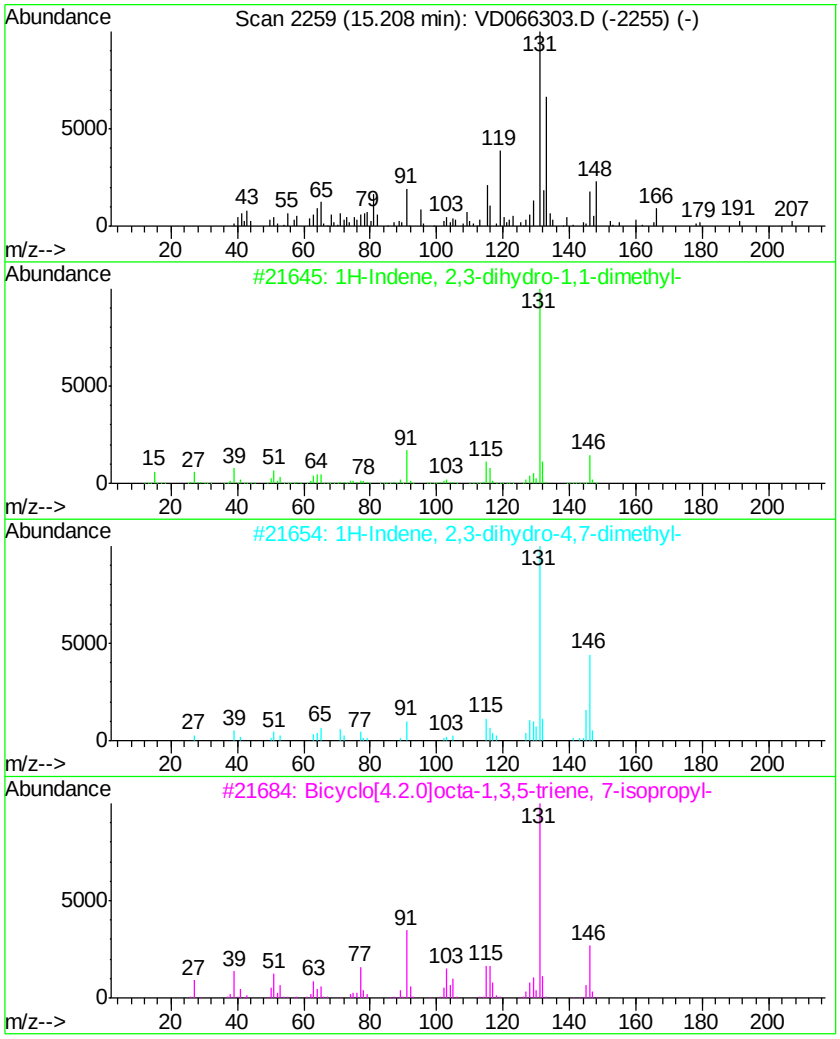
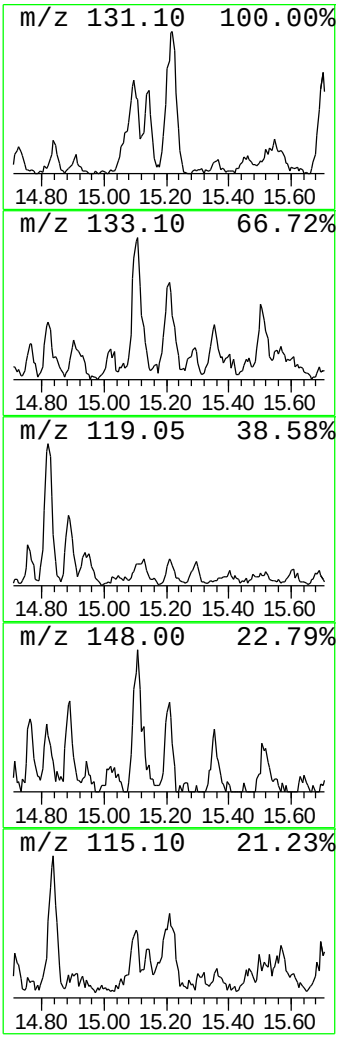
Peak Number 7 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.21 | 25.52 ug/l | 136303 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,1-dimet... | 146 | C11H14 | 004912-92-9 | 60 |
| 2 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 49 |
| 3 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 146 | C11H14 | 027087-54-3 | 49 |
| 4 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 46 |
| 5 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 38 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
Data File : VD066303.D
Acq On : 19 Aug 2020 04:56
Operator : VA/SY
Sample : L3689-04
Misc : 5.47G/5.00ml/MSVOA D/SOIL
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** TP-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260

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

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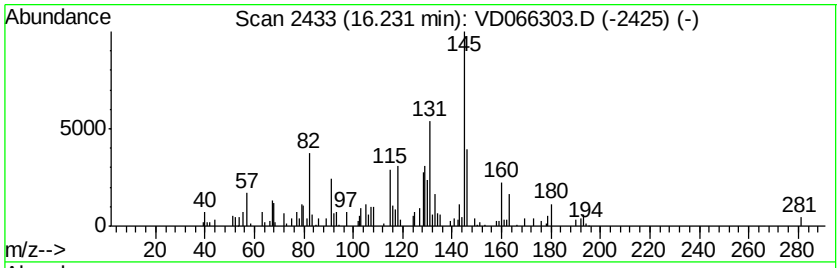
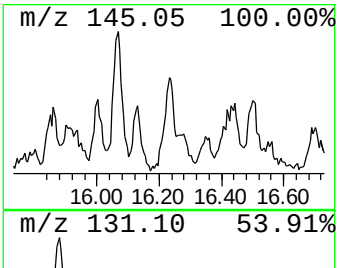
Peak Number 9 1H-Pyrrolo[2,3-b]pyridine, ... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.23 | 19.79 ug/l | 105699 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Pyrrolo[2,3-b]pyridine, 2-ethyl- | 146 | C9H10N2 | 023612-49-9 | 53 |
| 2 | 1,4-Methanonaphthalen-9-ol, 1,2,... | 160 | C11H12O | 055255-94-2 | 46 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 004175-54-6 | 41 |
| 4 | Benzene, (1-methyl-1-butenyl)- | 146 | C11H14 | 053172-84-2 | 38 |
| 5 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 38 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
Data File : VD066303.D
Acq On : 19 Aug 2020 04:56
Operator : VA/SY
Sample : L3689-04
Misc : 5.47G/5.00ml/MSVOA D/SOIL
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** TP-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260

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

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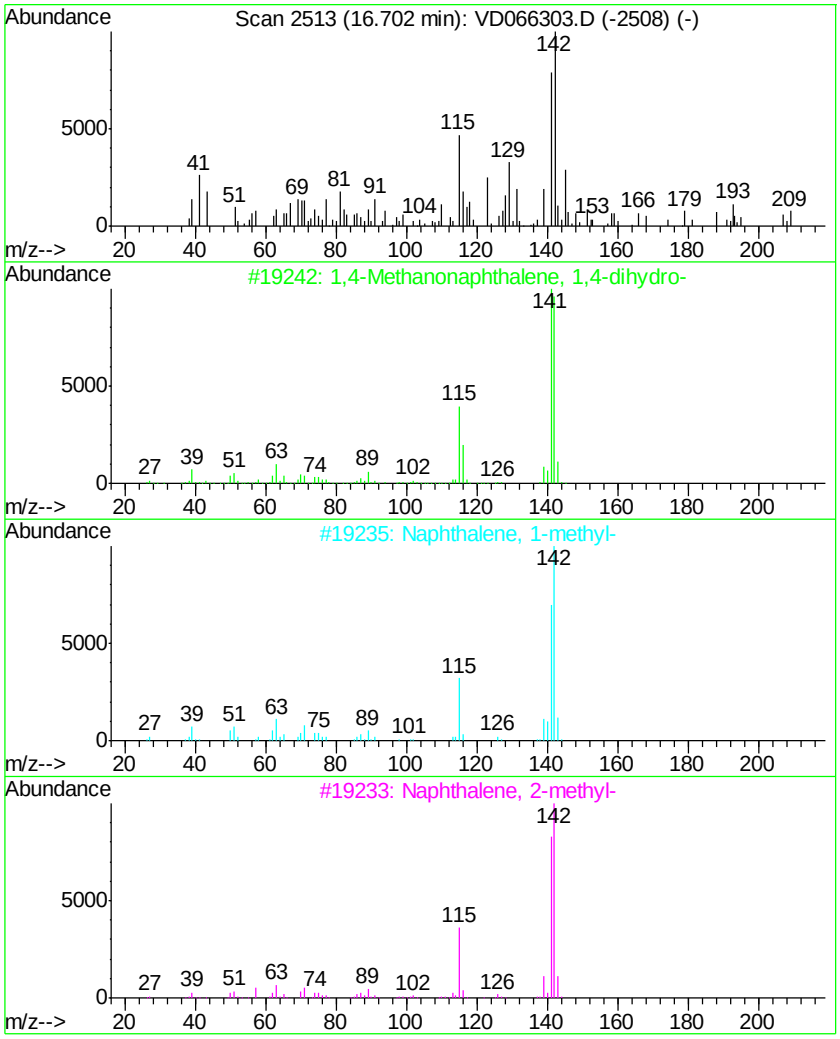
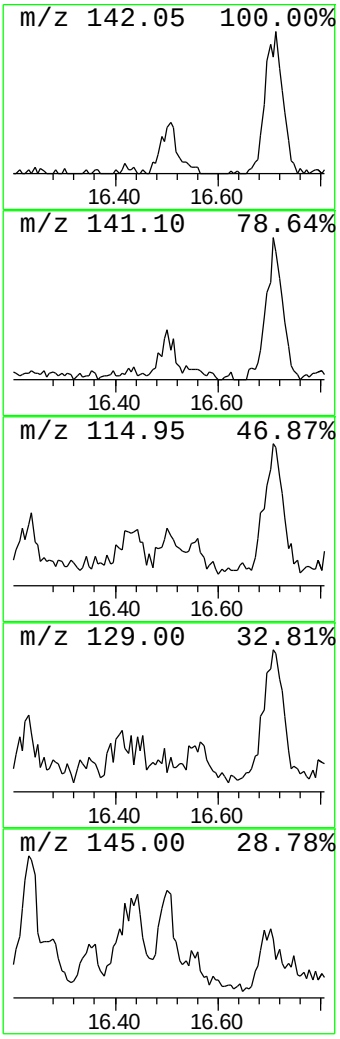
Peak Number 10 1,4-Methanonaphthalene, 1,4... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.70 | 40.11 ug/l | 214201 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 64 |
| 2 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 64 |
| 3 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 58 |
| 4 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 52 |
| 5 | Spiro(tricyclo[6.2.1.0(2,7)]unde... | 186 | C13H14O | 1000210-02-3 | 47 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081820\
Data File : VD066303.D
Acq On : 19 Aug 2020 04:56
Operator : VA/SY
Sample : L3689-04
Misc : 5.47G/5.00ml/MSVOA_D/SOIL
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** TP-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| unknown12.88 | 12.88 | 14.4 | ug/l | 76928 | 4 | 13.58 | 267009 | 50.0 |
| Benzene, 2-ethyl-... | 14.12 | 29.8 | ug/l | 158877 | 4 | 13.58 | 267009 | 50.0 |
| Cyclodecene, 1-me... | 14.41 | 22.9 | ug/l | 122112 | 4 | 13.58 | 267009 | 50.0 |
| 1-Methyldecahydro... | 14.57 | 18.4 | ug/l | 98097 | 4 | 13.58 | 267009 | 50.0 |
| Benzene, 2-ethyl-... | 14.83 | 48.4 | ug/l | 258506 | 4 | 13.58 | 267009 | 50.0 |
| unknown15.10 | 15.10 | 14.8 | ug/l | 78752 | 4 | 13.58 | 267009 | 50.0 |
| 1H-Indene, 2,3-di... | 15.21 | 25.5 | ug/l | 136303 | 4 | 13.58 | 267009 | 50.0 |
| 1H-Pyrrolo[2,3-b]... | 16.23 | 19.8 | ug/l | 105699 | 4 | 13.58 | 267009 | 50.0 |
| 1,4-Methanonaphth... | 16.70 | 40.1 | ug/l | 214201 | 4 | 13.58 | 267009 | 50.0 |