LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071619\
Data File : VX010916.D
Acq On : 16 Jul 2019 19:02
Operator : JC/SP
Sample : K3791-16
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** FL-0610

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_X\METHOD\82X071619W.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 | 2.001 | 134 | 139 | 146 | rVB | 68535 | 94819 | 1.01% | 0.112% |
| 2 | 2.848 | 268 | 278 | 281 | rBV | 180134 | 401614 | 4.28% | 0.474% |
| 3 | 2.891 | 281 | 285 | 301 | rVB | 452263 | 950221 | 10.12% | 1.121% |
| 4 | 3.177 | 322 | 332 | 345 | rBV | 390086 | 904517 | 9.63% | 1.067% |
| 5 | 3.525 | 378 | 389 | 402 | rBV | 412064 | 957155 | 10.19% | 1.129% |
| 6 | 4.305 | 507 | 517 | 524 | rBV2 | 48716 | 149959 | 1.60% | 0.177% |
| 7 | 4.403 | 524 | 533 | 548 | rVB | 464224 | 1359893 | 14.48% | 1.604% |
| 8 | 5.500 | 698 | 713 | 718 | rBV | 131178 | 373652 | 3.98% | 0.441% |
| 9 | 5.586 | 718 | 727 | 735 | rVV2 | 493630 | 1737081 | 18.50% | 2.049% |
| 10 | 5.659 | 735 | 739 | 745 | rVV | 235371 | 636527 | 6.78% | 0.751% |
| 11 | 5.732 | 745 | 751 | 766 | rVB2 | 165969 | 504788 | 5.38% | 0.596% |
| 12 | 5.939 | 772 | 785 | 797 | rBV5 | 295636 | 1019761 | 10.86% | 1.203% |
| 13 | 6.061 | 797 | 805 | 818 | rVB | 127345 | 327242 | 3.48% | 0.386% |
| 14 | 6.262 | 825 | 838 | 846 | rBV2 | 269824 | 810512 | 8.63% | 0.956% |
| 15 | 6.360 | 846 | 854 | 862 | rVV2 | 342339 | 1005557 | 10.71% | 1.186% |
| 16 | 6.457 | 862 | 870 | 884 | rVB | 492141 | 1331562 | 14.18% | 1.571% |
| 17 | 6.707 | 900 | 911 | 923 | rBV2 | 49376 | 121428 | 1.29% | 0.143% |
| 18 | 6.860 | 926 | 936 | 946 | rBV | 339062 | 812915 | 8.66% | 0.959% |
| 19 | 7.469 | 1020 | 1036 | 1046 | rBV | 4112923 | 9390583 | 100.00% | 11.079% |
| 20 | 7.732 | 1073 | 1079 | 1089 | rVB | 334766 | 653033 | 6.95% | 0.770% |
| 21 | 7.847 | 1091 | 1098 | 1108 | rVB | 76977 | 154925 | 1.65% | 0.183% |
| 22 | 8.055 | 1121 | 1132 | 1144 | rVB3 | 114289 | 374866 | 3.99% | 0.442% |
| 23 | 8.177 | 1144 | 1152 | 1161 | rBV2 | 170290 | 412265 | 4.39% | 0.486% |
| 24 | 8.390 | 1182 | 1187 | 1193 | rVB3 | 81972 | 157342 | 1.68% | 0.186% |
| 25 | 8.664 | 1225 | 1232 | 1235 | rBV2 | 422497 | 730175 | 7.78% | 0.861% |
| 26 | 8.713 | 1235 | 1240 | 1248 | rVB | 774536 | 1365248 | 14.54% | 1.611% |
| 27 | 8.841 | 1255 | 1261 | 1265 | rBV | 203117 | 338625 | 3.61% | 0.400% |
| 28 | 8.908 | 1269 | 1272 | 1279 | rVB | 107151 | 168908 | 1.80% | 0.199% |
| 29 | 9.036 | 1288 | 1293 | 1304 | rVB | 362062 | 612821 | 6.53% | 0.723% |
| 30 | 9.164 | 1304 | 1314 | 1319 | rBV | 190500 | 303448 | 3.23% | 0.358% |
| 31 | 9.573 | 1375 | 1381 | 1385 | rBV | 136199 | 219589 | 2.34% | 0.259% |
| 32 | 9.621 | 1385 | 1389 | 1394 | rVV | 430150 | 578675 | 6.16% | 0.683% |
| 33 | 9.676 | 1394 | 1398 | 1403 | rVV | 209259 | 297029 | 3.16% | 0.350% |
| 34 | 10.109 | 1464 | 1469 | 1475 | rBV | 712964 | 955188 | 10.17% | 1.127% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071619\
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Acq On : 16 Jul 2019 19:02
Operator : JC/SP
Sample : K3791-16
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** FL-0610

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_X\METHOD\82X071619W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 10.182 | 1475 | 1481 | 1486 | rVV | 175225 | 267852 | 2.85% | 0.316% |
| 36 | 10.249 | 1486 | 1492 | 1498 | rVB | 244700 | 332501 | 3.54% | 0.392% |
| 37 | 10.359 | 1501 | 1510 | 1516 | rBV | 891339 | 1376055 | 14.65% | 1.624% |
| 38 | 10.646 | 1547 | 1557 | 1562 | rBV3 | 55826 | 152462 | 1.62% | 0.180% |
| 39 | 10.694 | 1562 | 1565 | 1577 | rVB | 266853 | 370059 | 3.94% | 0.437% |
| 40 | 10.835 | 1577 | 1588 | 1593 | rBV2 | 99143 | 172333 | 1.84% | 0.203% |
| 41 | 11.018 | 1613 | 1618 | 1632 | rVB | 443470 | 578681 | 6.16% | 0.683% |
| 42 | 11.133 | 1632 | 1637 | 1642 | rBV | 641741 | 819068 | 8.72% | 0.966% |
| 43 | 11.359 | 1668 | 1674 | 1681 | rBV | 538676 | 664997 | 7.08% | 0.785% |
| 44 | 11.432 | 1681 | 1686 | 1688 | rBV | 4482556 | 5896048 | 62.79% | 6.956% |
| 45 | 11.505 | 1694 | 1698 | 1707 | rVB | 4236830 | 4957746 | 52.79% | 5.849% |
| 46 | 11.664 | 1719 | 1724 | 1732 | rBV | 2017487 | 2570804 | 27.38% | 3.033% |
| 47 | 11.804 | 1742 | 1747 | 1753 | rVB | 6499964 | 8074636 | 85.99% | 9.527% |
| 48 | 11.944 | 1767 | 1770 | 1775 | rVB | 126452 | 158037 | 1.68% | 0.186% |
| 49 | 12.023 | 1775 | 1783 | 1786 | rBV | 770111 | 897021 | 9.55% | 1.058% |
| 50 | 12.072 | 1786 | 1791 | 1797 | rVB3 | 943777 | 1551372 | 16.52% | 1.830% |
| 51 | 12.139 | 1797 | 1802 | 1808 | rBV | 2105556 | 2562170 | 27.28% | 3.023% |
| 52 | 12.231 | 1812 | 1817 | 1822 | rVB | 150273 | 187973 | 2.00% | 0.222% |
| 53 | 12.298 | 1823 | 1828 | 1830 | rBV2 | 598036 | 812229 | 8.65% | 0.958% |
| 54 | 12.322 | 1830 | 1832 | 1835 | rVV | 722012 | 740090 | 7.88% | 0.873% |
| 55 | 12.371 | 1835 | 1840 | 1848 | rVB2 | 1148944 | 1577837 | 16.80% | 1.862% |
| 56 | 12.456 | 1849 | 1854 | 1859 | rBV | 248892 | 307421 | 3.27% | 0.363% |
| 57 | 12.517 | 1859 | 1864 | 1870 | rBV | 657904 | 793596 | 8.45% | 0.936% |
| 58 | 12.584 | 1870 | 1875 | 1877 | rBV | 687355 | 883208 | 9.41% | 1.042% |
| 59 | 12.609 | 1877 | 1879 | 1884 | rVB | 844114 | 854328 | 9.10% | 1.008% |
| 60 | 12.664 | 1884 | 1888 | 1891 | rBV | 800179 | 963979 | 10.27% | 1.137% |
| 61 | 12.700 | 1891 | 1894 | 1898 | rVV | 341842 | 394923 | 4.21% | 0.466% |
| 62 | 12.755 | 1898 | 1903 | 1911 | rVB2 | 855208 | 1401744 | 14.93% | 1.654% |
| 63 | 12.901 | 1922 | 1927 | 1932 | rVB2 | 545361 | 707989 | 7.54% | 0.835% |
| 64 | 12.974 | 1932 | 1939 | 1942 | rBV | 475252 | 599952 | 6.39% | 0.708% |
| 65 | 13.017 | 1942 | 1946 | 1952 | rVB | 934154 | 1110124 | 11.82% | 1.310% |
| 66 | 13.084 | 1952 | 1957 | 1961 | rBV2 | 90610 | 170396 | 1.81% | 0.201% |
| 67 | 13.194 | 1971 | 1975 | 1977 | rBV2 | 96162 | 127653 | 1.36% | 0.151% |
| 68 | 13.224 | 1977 | 1980 | 1983 | rVB | 243160 | 278300 | 2.96% | 0.328% |
| 69 | 13.304 | 1990 | 1993 | 1995 | rBV2 | 81332 | 102367 | 1.09% | 0.121% |
| 70 | 13.340 | 1995 | 1999 | 2005 | rVB2 | 1693924 | 2382213 | 25.37% | 2.811% |
| 71 | 13.474 | 2017 | 2021 | 2027 | rVB | 628792 | 817889 | 8.71% | 0.965% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071619\
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Acq On : 16 Jul 2019 19:02
Operator : JC/SP
Sample : K3791-16
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** FL-0610

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_X\METHOD\82X071619W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 13.560 | 2030 | 2035 | 2038 | rVV2 | 68951 | 98610 | 1.05% | 0.116% |
| 73 | 13.596 | 2038 | 2041 | 2044 | rVV | 96682 | 135075 | 1.44% | 0.159% |
| 74 | 13.639 | 2044 | 2048 | 2053 | rVV3 | 176640 | 348596 | 3.71% | 0.411% |
| 75 | 13.694 | 2053 | 2057 | 2059 | rVV2 | 105042 | 178850 | 1.90% | 0.211% |
| 76 | 13.718 | 2059 | 2061 | 2067 | rVV2 | 165465 | 229774 | 2.45% | 0.271% |
| 77 | 13.834 | 2071 | 2080 | 2088 | rVB2 | 369635 | 598856 | 6.38% | 0.707% |
| 78 | 13.986 | 2097 | 2105 | 2108 | rBV2 | 85832 | 134091 | 1.43% | 0.158% |
| 79 | 14.273 | 2145 | 2152 | 2160 | rBV3 | 127331 | 259492 | 2.76% | 0.306% |
| 80 | 14.535 | 2190 | 2195 | 2207 | rBV2 | 88697 | 137929 | 1.47% | 0.163% |
| 81 | 14.694 | 2216 | 2221 | 2231 | rVB | 2373302 | 2887298 | 30.75% | 3.407% |
| 82 | 14.834 | 2239 | 2244 | 2253 | rBV | 1429799 | 1901492 | 20.25% | 2.243% |
| 83 | 15.267 | 2306 | 2315 | 2320 | rBV2 | 63039 | 110064 | 1.17% | 0.130% |
| 84 | 15.444 | 2334 | 2344 | 2347 | rBV2 | 59047 | 118214 | 1.26% | 0.139% |
| 85 | 15.547 | 2353 | 2361 | 2365 | rBV | 154341 | 243119 | 2.59% | 0.287% |
| 86 | 15.687 | 2378 | 2384 | 2387 | rBV | 158747 | 254363 | 2.71% | 0.300% |
| 87 | 15.724 | 2387 | 2390 | 2398 | rVB | 122365 | 180179 | 1.92% | 0.213% |
| 88 | 15.913 | 2411 | 2421 | 2432 | rVB2 | 42801 | 112952 | 1.20% | 0.133% |

Sum of corrected areas: 84756930

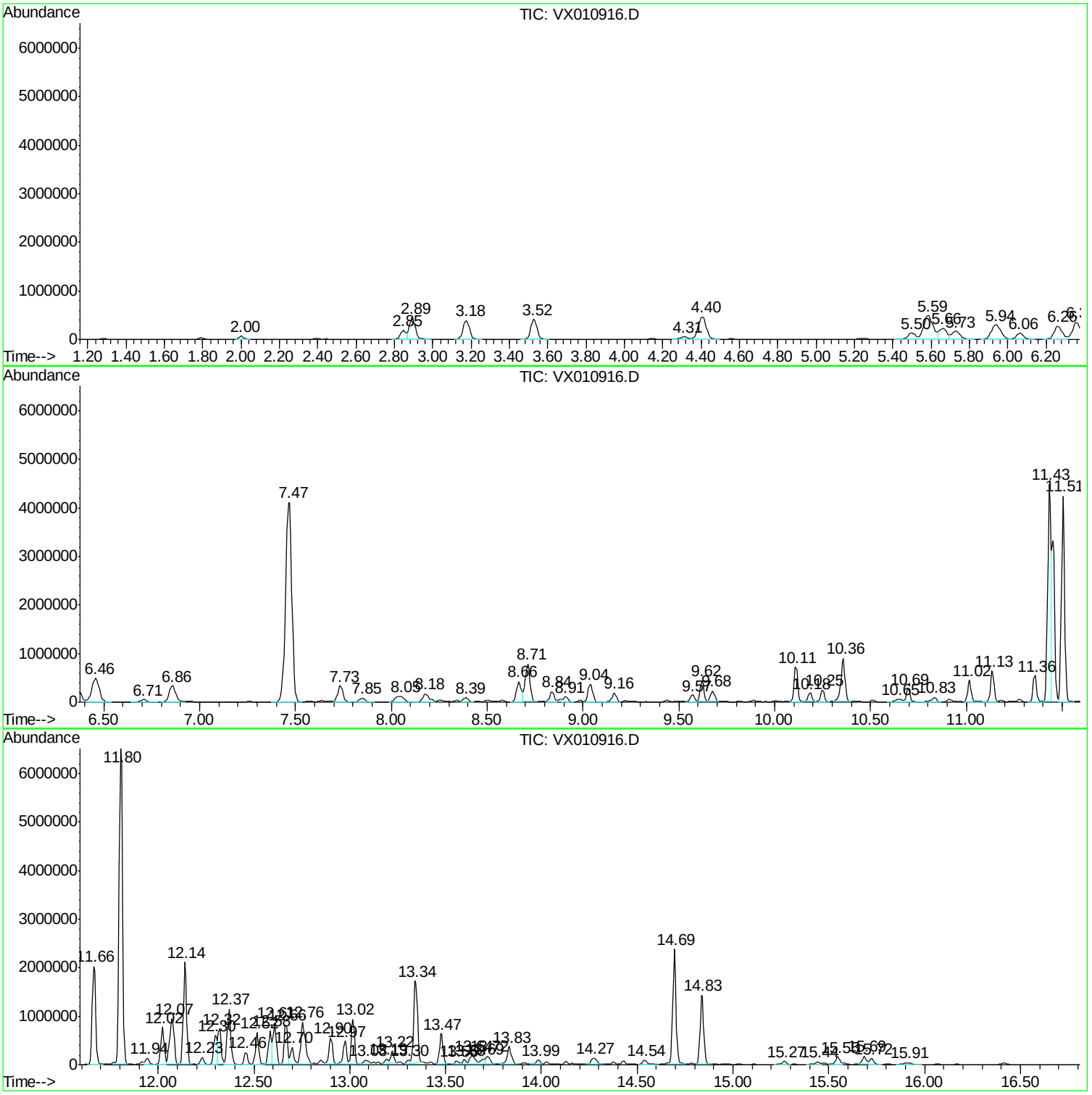
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071619\
Data File : VX010916.D
Acq On : 16 Jul 2019 19:02
Operator : JC/SP
Sample : K3791-16
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** FL-0610

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.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_X\DATA\VX071619\
Data File : VX010916.D
Acq On : 16 Jul 2019 19:02
Operator : JC/SP
Sample : K3791-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** FL-0610

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

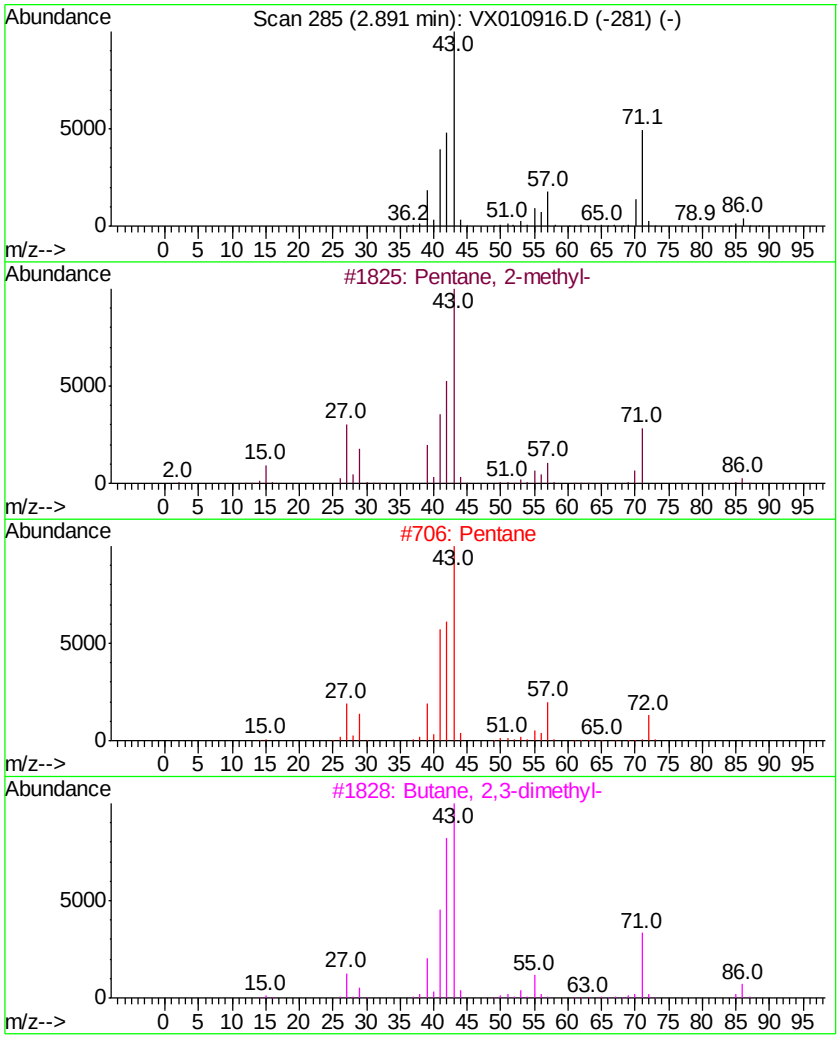
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

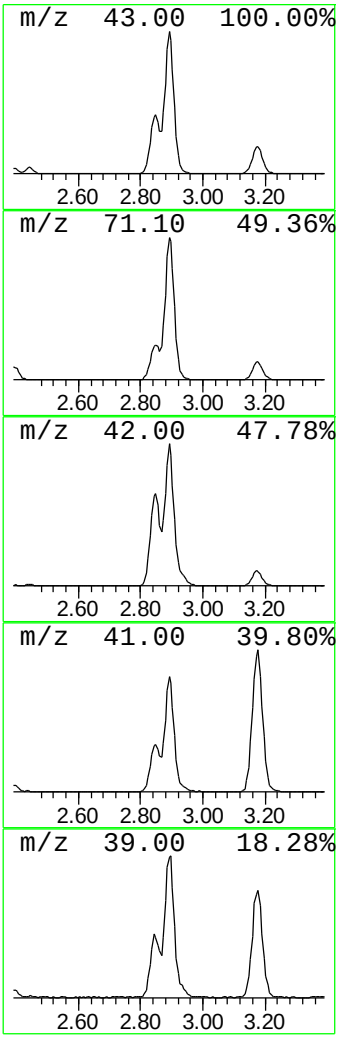
**********

Peak Number 1 Pentane, 2-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.89 | 74.64 ug/l | 950221 | Pentafluorobenzene | 5.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 86 |
| 2 | Pentane | 72 | C5H12 | 000109-66-0 | 49 |
| 3 | Butane, 2,3-dimethyl- | 86 | C6H14 | 000079-29-8 | 47 |
| 4 | 1-Butanol, 2,3-dimethyl- | 102 | C6H14O | 019550-30-2 | 42 |
| 5 | Hexane, 2,3-dimethyl- | 114 | C8H18 | 000584-94-1 | 40 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071619\
Data File : VX010916.D
Acq On : 16 Jul 2019 19:02
Operator : JC/SP
Sample : K3791-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** FL-0610

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

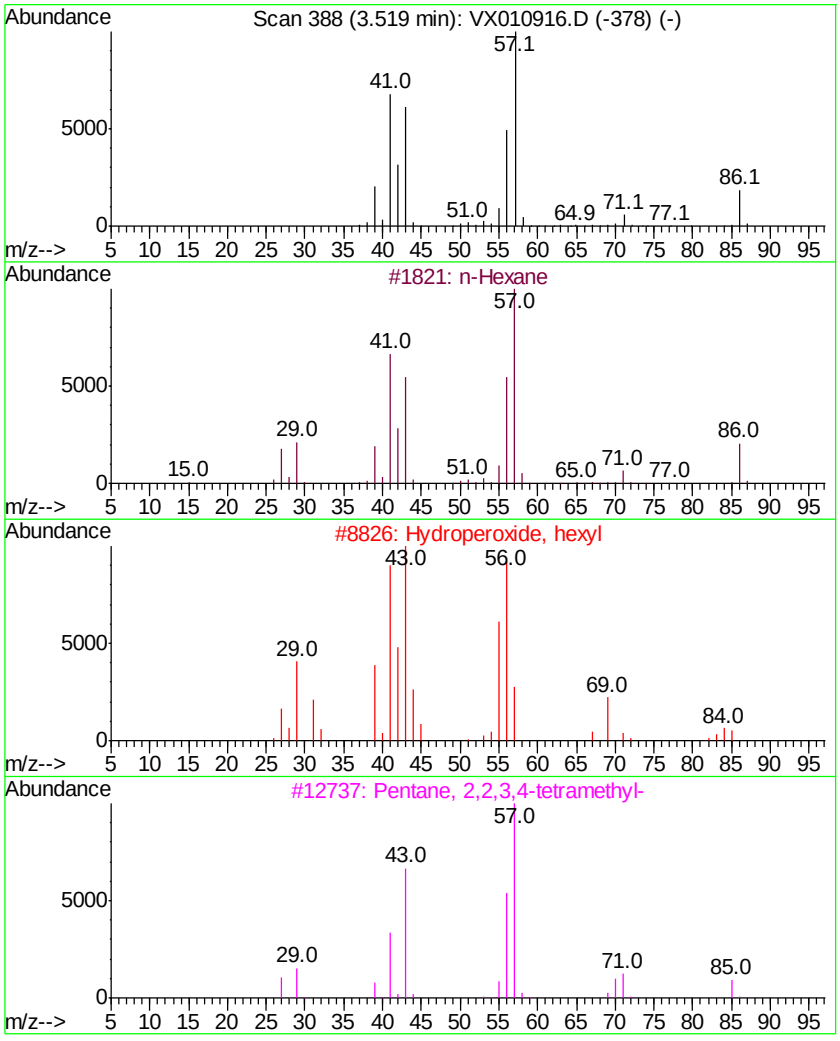
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

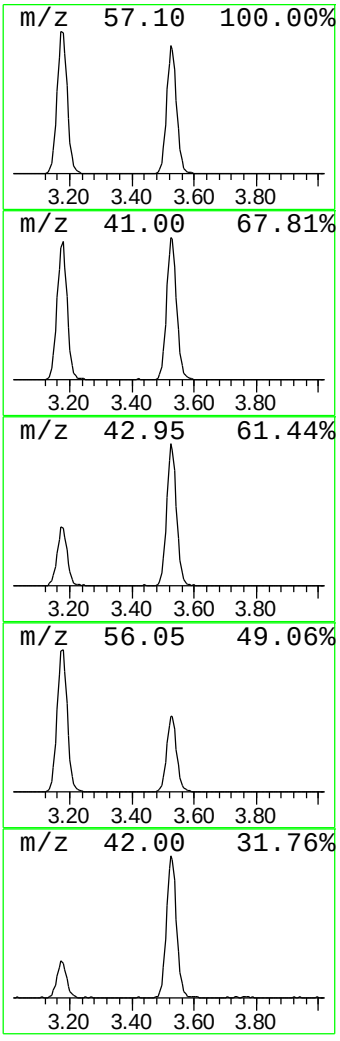
**********

Peak Number 2 n-Hexane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.52 | 75.19 ug/l | 957155 | Pentafluorobenzene | 5.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexane | 86 | C6H14 | 000110-54-3 | 94 |
| 2 | Hydroperoxide, hexyl | 118 | C6H14O2 | 004312-76-9 | 47 |
| 3 | Pentane, 2,2,3,4-tetramethyl- | 128 | C9H20 | 001186-53-4 | 42 |
| 4 | Methane, isocyanato- | 57 | C2H3NO | 000624-83-9 | 37 |
| 5 | Butanal, 2-methyl- | 86 | C5H10O | 000096-17-3 | 35 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071619\
Data File : VX010916.D
Acq On : 16 Jul 2019 19:02
Operator : JC/SP
Sample : K3791-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** FL-0610

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

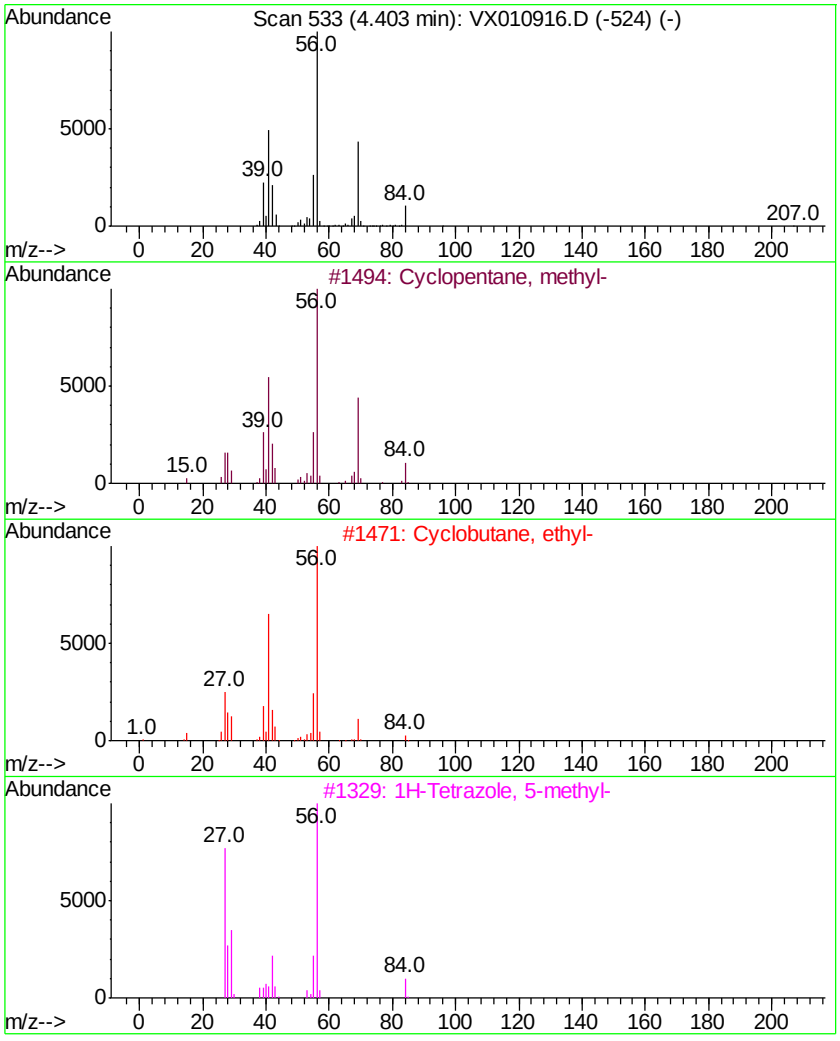
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

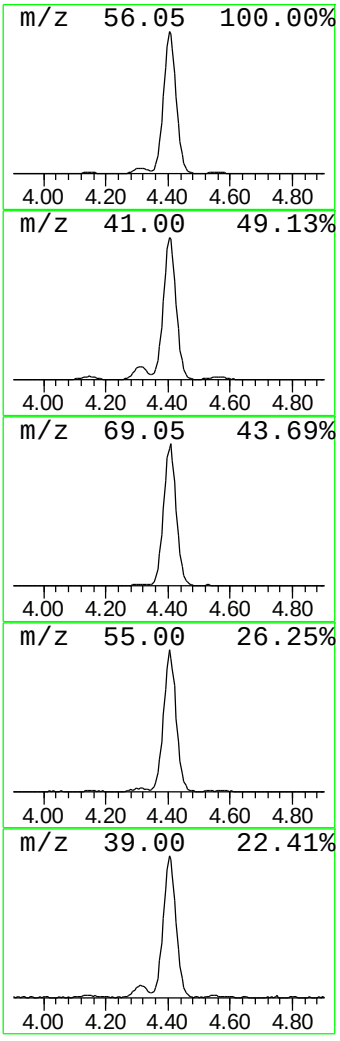
**********

Peak Number 3 Cyclopentane, methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.40 | 106.82 ug/l | 1359890 | Pentafluorobenzene | 5.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 94 |
| 2 | Cyclobutane, ethyl- | 84 | C6H12 | 004806-61-5 | 72 |
| 3 | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4 | 004076-36-2 | 64 |
| 4 | Cyclopropane, propyl- | 84 | C6H12 | 002415-72-7 | 50 |
| 5 | 1-Pentene, 2-methyl- | 84 | C6H12 | 000763-29-1 | 46 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071619\
Data File : VX010916.D
Acq On : 16 Jul 2019 19:02
Operator : JC/SP
Sample : K3791-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** FL-0610

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

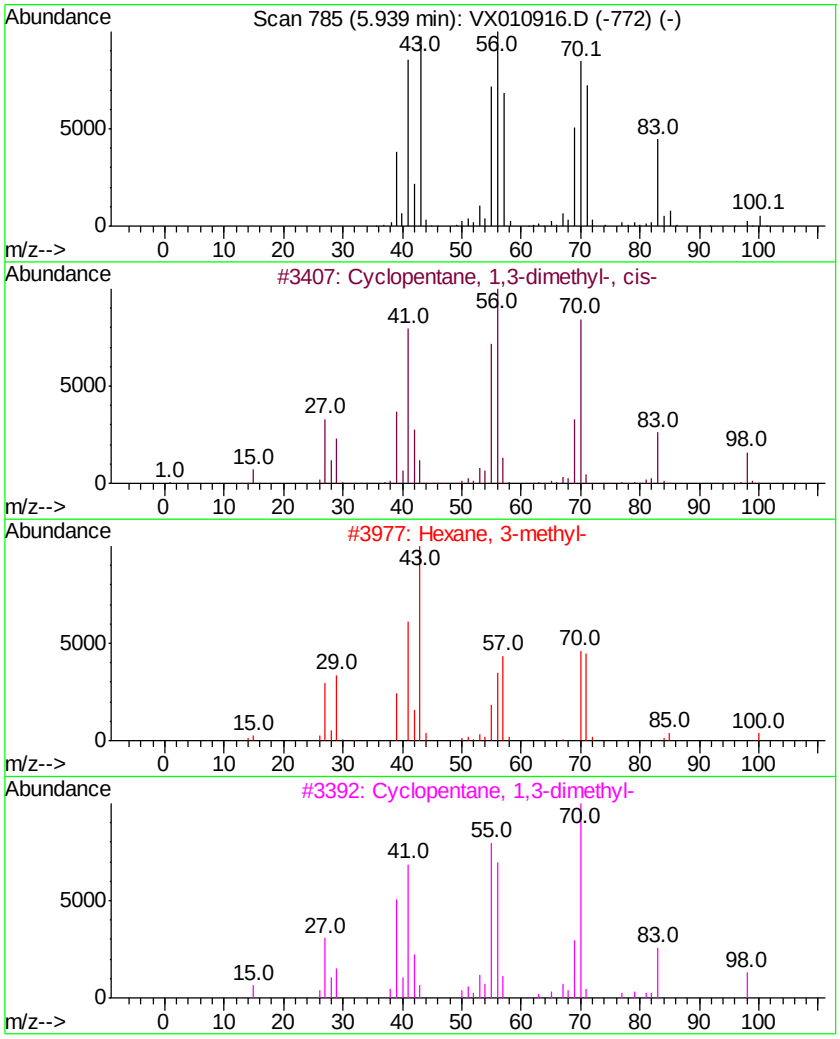
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

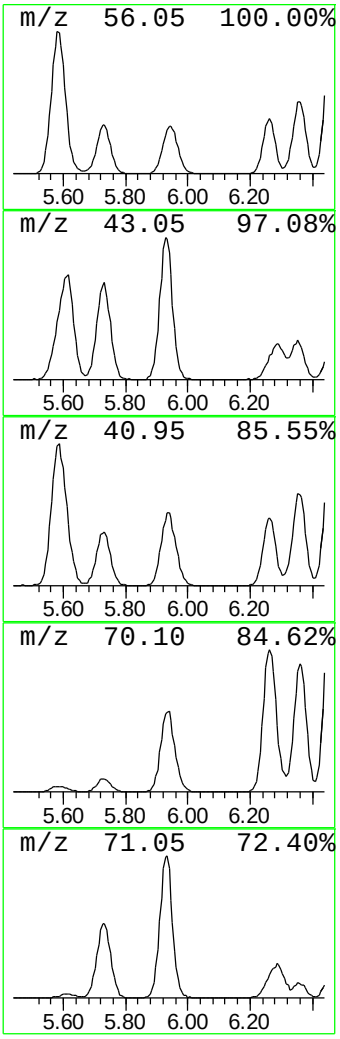
**********

Peak Number 4 Cyclopentane, 1,3-dimethyl-... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.94 | 80.10 ug/l | 1019760 | Pentafluorobenzene | 5.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 50 |
| 2 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 49 |
| 3 | Cyclopentane, 1,3-dimethyl- | 98 | C7H14 | 002453-00-1 | 47 |
| 4 | 1-Heptene, 4-methyl- | 112 | C8H16 | 013151-05-8 | 47 |
| 5 | Cyclopentane, 1,1-dimethyl- | 98 | C7H14 | 001638-26-2 | 43 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071619\
Data File : VX010916.D
Acq On : 16 Jul 2019 19:02
Operator : JC/SP
Sample : K3791-16
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** FL-0610

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

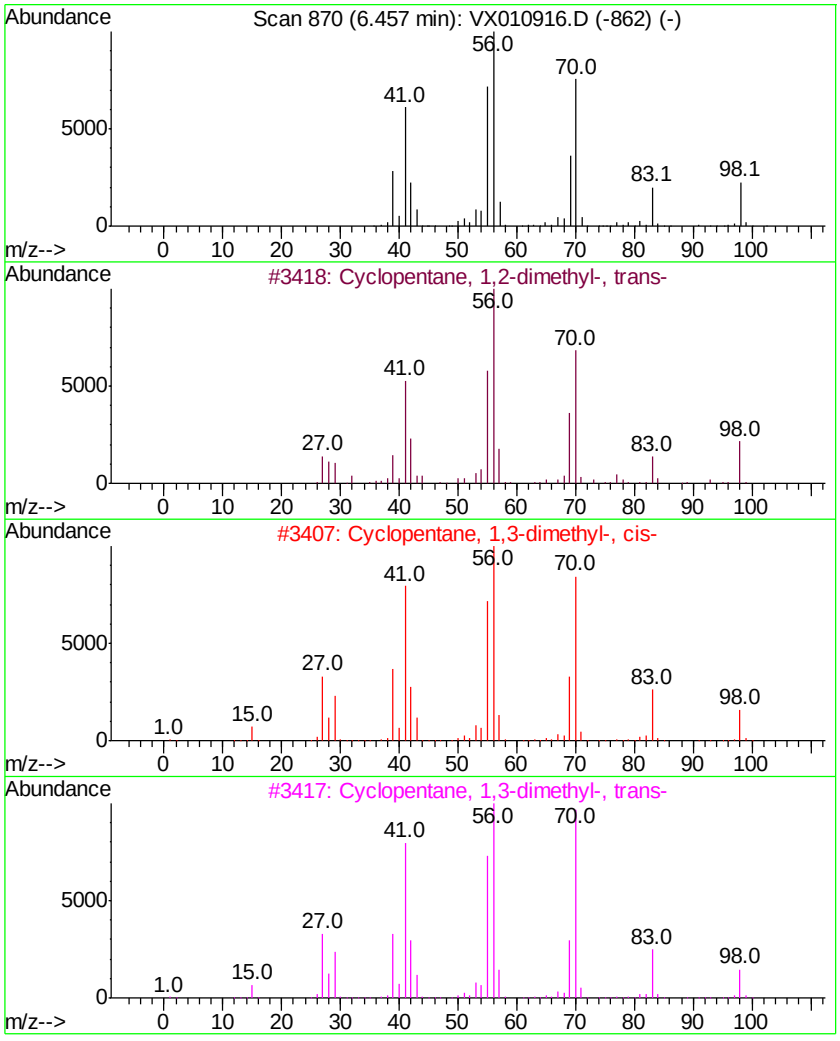
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

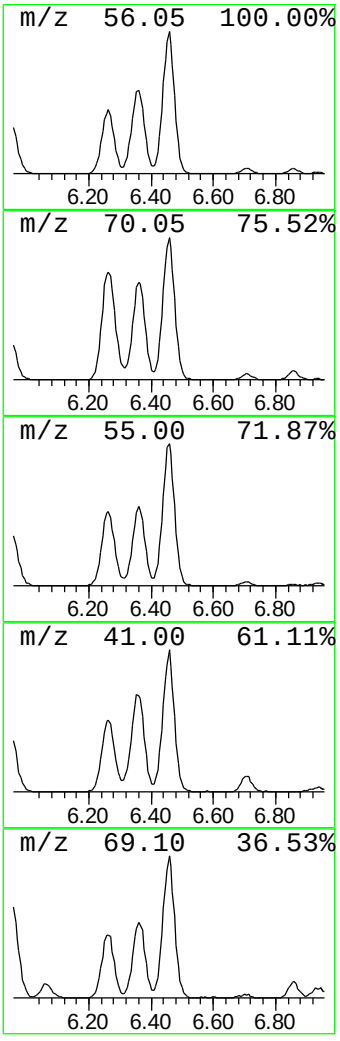
**********

Peak Number 5 Cyclopentane, 1,2-dimethyl-... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.46 | 81.90 ug/l | 1331560 | 1,4-Difluorobenzene | 6.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,2-dimethyl-, trans- | 98 | C7H14 | 000822-50-4 | 90 |
| 2 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 90 |
| 3 | Cyclopentane, 1,3-dimethyl-, trans- | 98 | C7H14 | 001759-58-6 | 90 |
| 4 | Cyclopentane, 1,2-dimethyl- | 98 | C7H14 | 002452-99-5 | 83 |
| 5 | Isopropylcyclobutane | 98 | C7H14 | 000872-56-0 | 76 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071619\
Data File : VX010916.D
Acq On : 16 Jul 2019 19:02
Operator : JC/SP
Sample : K3791-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** FL-0610

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

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

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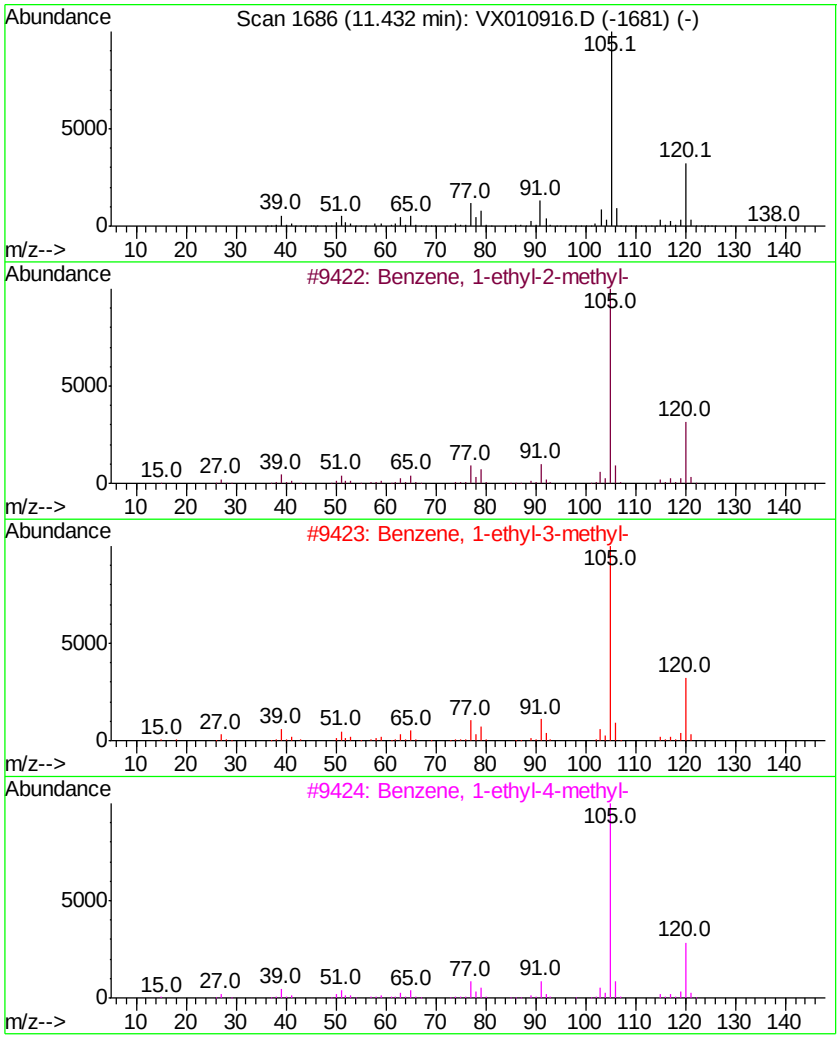
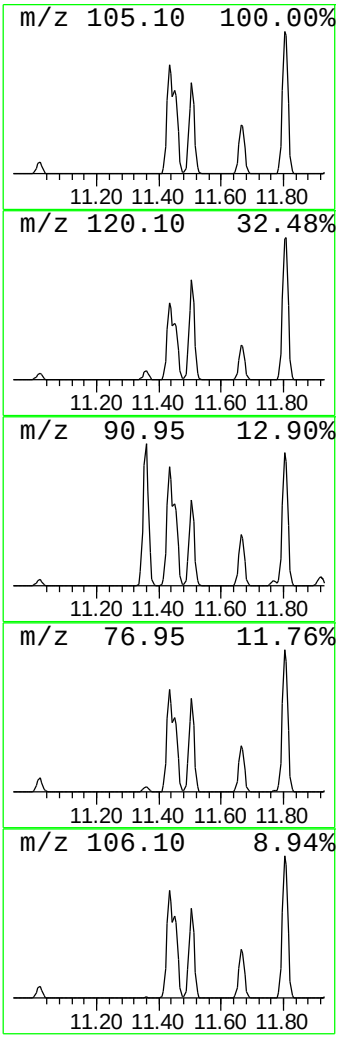
Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.43 | 190.03 ug/l | 5896050 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 95 |
| 2 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 95 |
| 3 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 91 |
| 4 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |
| 5 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071619\
Data File : VX010916.D
Acq On : 16 Jul 2019 19:02
Operator : JC/SP
Sample : K3791-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** FL-0610

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

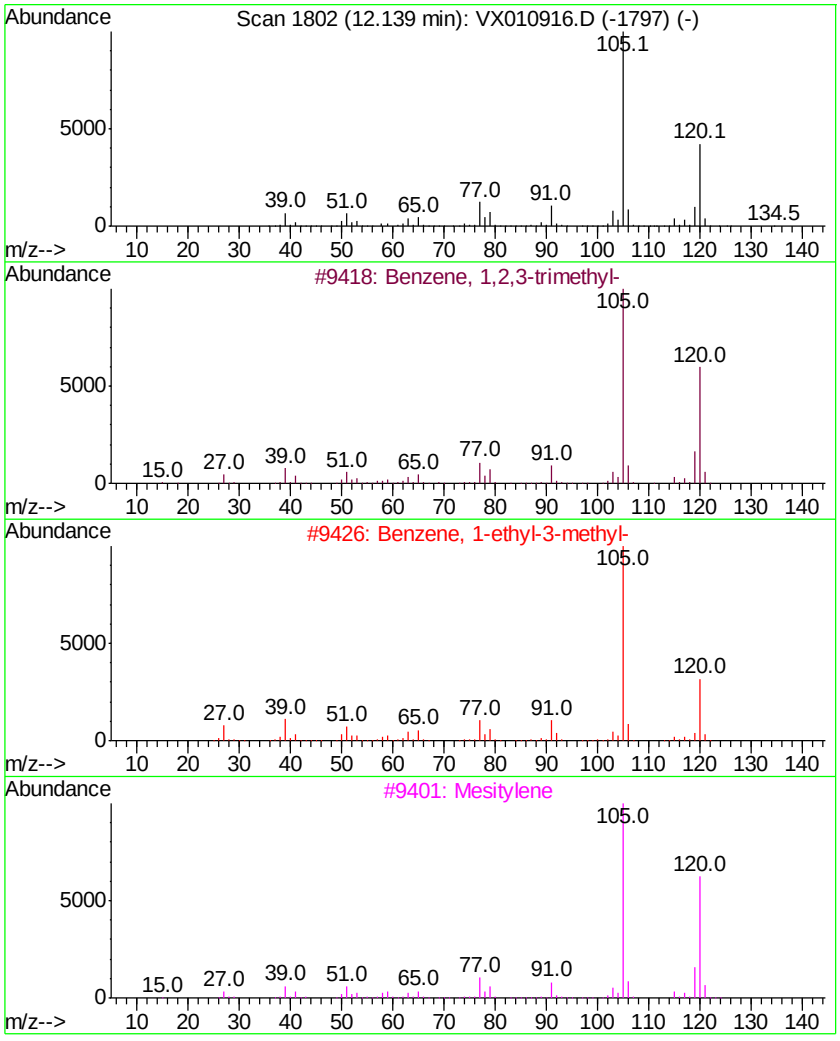
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

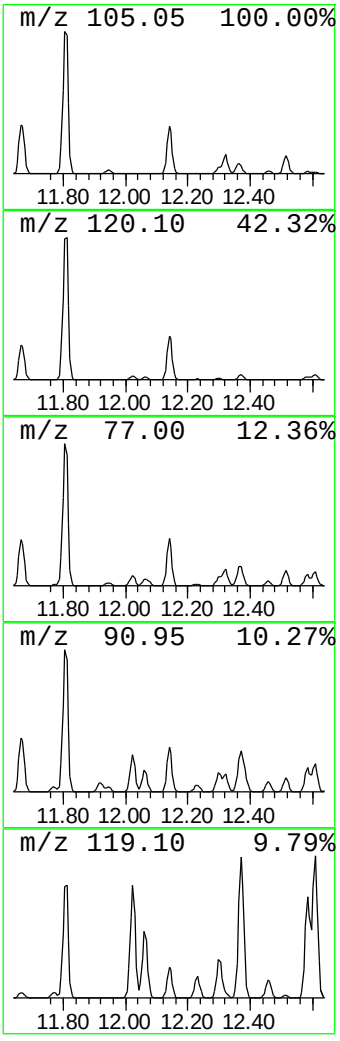
**********

Peak Number 8 Benzene, 1,2,3-trimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.14 | 82.58 ug/l | 2562170 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 95 |
| 2 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |
| 3 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |
| 4 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |
| 5 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 90 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071619\
Data File : VX010916.D
Acq On : 16 Jul 2019 19:02
Operator : JC/SP
Sample : K3791-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** FL-0610

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

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

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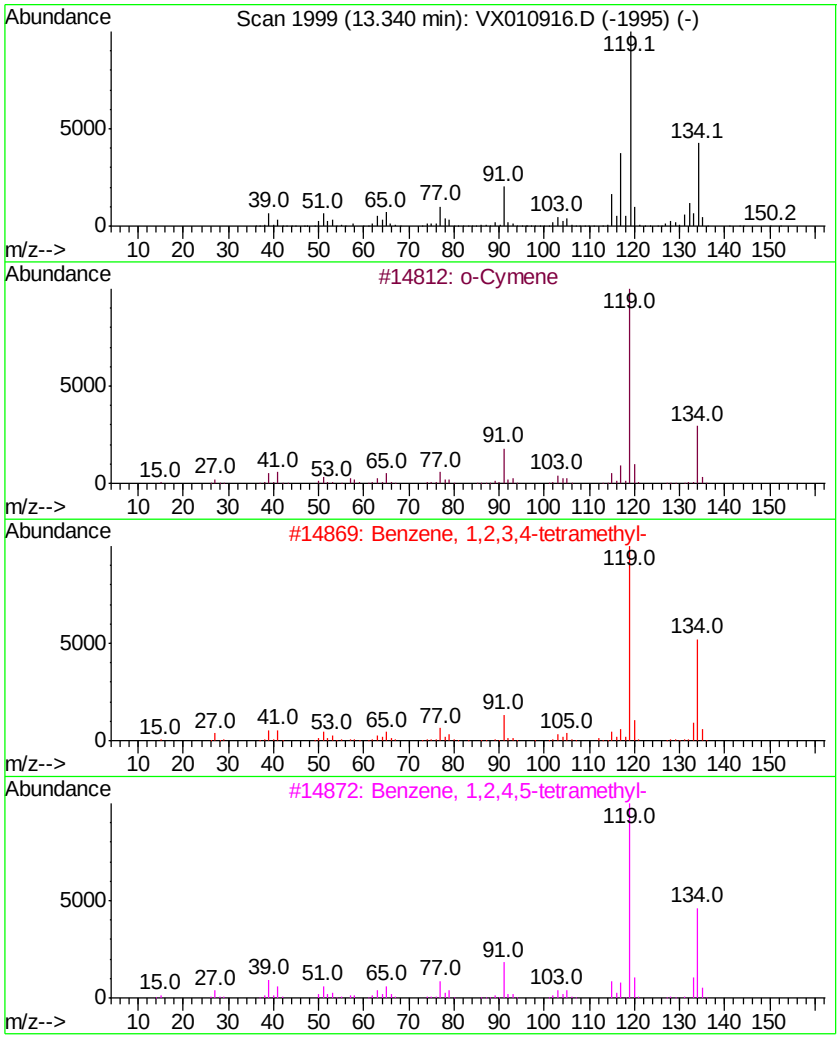
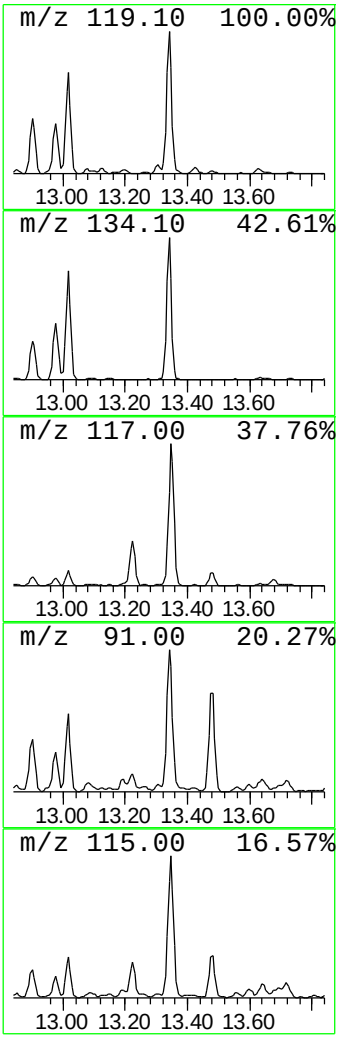
Peak Number 9 o-Cymene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.34 | 76.78 ug/l | 2382210 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Cymene | 134 | C10H14 | 000527-84-4 | 81 |
| 2 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 81 |
| 3 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 81 |
| 4 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 81 |
| 5 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 76 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071619\
Data File : VX010916.D
Acq On : 16 Jul 2019 19:02
Operator : JC/SP
Sample : K3791-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** FL-0610

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

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

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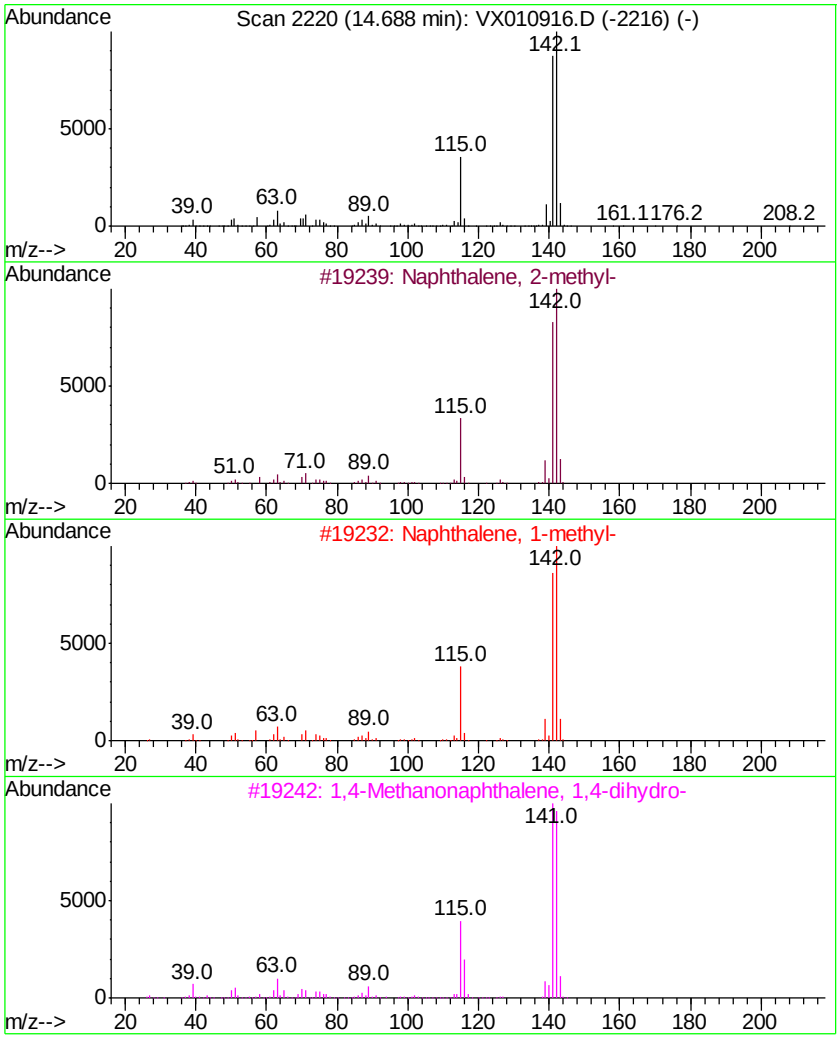
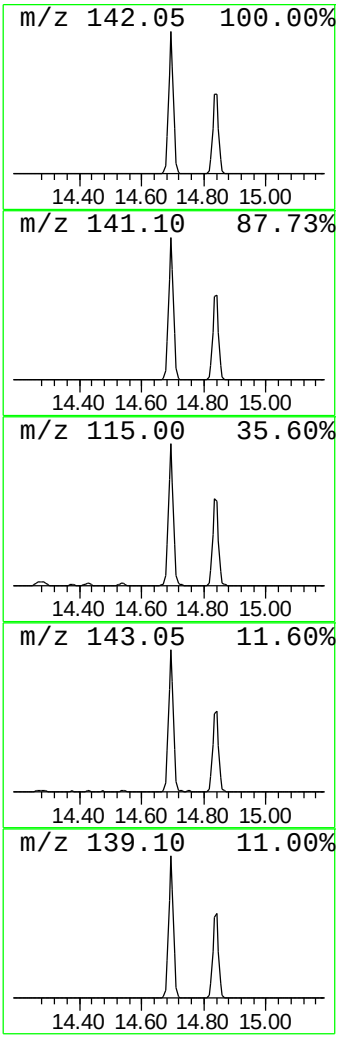
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.69 | 93.06 ug/l | 2887300 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 2 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 96 |
| 3 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 91 |
| 4 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 91 |
| 5 | 1H-Indene, 1-ethylidene- | 142 | C11H10 | 002471-83-2 | 64 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071619\
Data File : VX010916.D
Acq On : 16 Jul 2019 19:02
Operator : JC/SP
Sample : K3791-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** FL-0610

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.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 |
| Pentane, 2-methyl- | 2.89 | 74.6 | ug/l | 950221 | 1 | 5.66 | 636527 | 50.0 |
| n-Hexane | 3.52 | 75.2 | ug/l | 957155 | 1 | 5.66 | 636527 | 50.0 |
| Cyclopentane, met... | 4.40 | 106.8 | ug/l | 1359890 | 1 | 5.66 | 636527 | 50.0 |
| Cyclopentane, 1,3... | 5.94 | 80.1 | ug/l | 1019760 | 1 | 5.66 | 636527 | 50.0 |
| Cyclopentane, 1,2... | 6.46 | 81.9 | ug/l | 1331560 | 2 | 6.86 | 812915 | 50.0 |
| Benzene, 1-ethyl-... | 11.43 | 190.0 | ug/l | 5896050 | 4 | 12.08 | 1551370 | 50.0 |
| Benzene, 1,2,3-tr... | 12.14 | 82.6 | ug/l | 2562170 | 4 | 12.08 | 1551370 | 50.0 |
| o-Cymene | 13.34 | 76.8 | ug/l | 2382210 | 4 | 12.08 | 1551370 | 50.0 |
| Naphthalene, 1-me... | 14.69 | 93.1 | ug/l | 2887300 | 4 | 12.08 | 1551370 | 50.0 |