# LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX070219\
Data File : VX010612.D
Acq On : 02 Jul 2019 13:17
Operator : JC/SP
Sample : K3586-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TWR1

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\82X061919W.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 | 1.276 | 16 | 20 | 29 | rBV | 61240 | 83067 | 7.14% | 0.637% |
| 2 | 5.501 | 701 | 713 | 727 | rBV | 137846 | 403419 | 34.70% | 3.092% |
| 3 | 5.659 | 729 | 739 | 756 | rVB | 241763 | 680056 | 58.49% | 5.212% |
| 4 | 6.062 | 794 | 805 | 815 | rBV | 136125 | 354292 | 30.47% | 2.716% |
| 5 | 6.860 | 926 | 936 | 946 | rBV | 346204 | 823853 | 70.86% | 6.314% |
| 6 | 7.464 | 1028 | 1035 | 1043 | rVB3 | 9162 | 21923 | 1.89% | 0.168% |
| 7 | 8.714 | 1234 | 1240 | 1248 | rVV | 755127 | 1162615 | 100.00% | 8.911% |
| 8 | 9.579 | 1375 | 1382 | 1385 | rBV8 | 6189 | 11684 | 1.00% | 0.090% |
| 9 | 10.110 | 1462 | 1469 | 1477 | rBV | 737762 | 996238 | 85.69% | 7.636% |
| 10 | 10.250 | 1486 | 1492 | 1498 | rVV | 18297 | 27721 | 2.38% | 0.212% |
| 11 | 10.360 | 1501 | 1510 | 1516 | rVB7 | 8065 | 19689 | 1.69% | 0.151% |
| 12 | 10.835 | 1576 | 1588 | 1593 | rBV5 | 8730 | 17032 | 1.46% | 0.131% |
| 13 | 11.018 | 1612 | 1618 | 1623 | rBV | 42942 | 58000 | 4.99% | 0.445% |
| 14 | 11.134 | 1632 | 1637 | 1643 | rBV | 622753 | 789858 | 67.94% | 6.054% |
| 15 | 11.359 | 1669 | 1674 | 1681 | rBV | 69888 | 88716 | 7.63% | 0.680% |
| 16 | 11.451 | 1684 | 1689 | 1693 | rBV3 | 7374 | 13284 | 1.14% | 0.102% |
| 17 | 11.664 | 1720 | 1724 | 1733 | rBV2 | 13293 | 23015 | 1.98% | 0.176% |
| 18 | 11.804 | 1743 | 1747 | 1758 | rVB | 80352 | 101351 | 8.72% | 0.777% |
| 19 | 11.945 | 1758 | 1770 | 1774 | rBV2 | 28988 | 52415 | 4.51% | 0.402% |
| 20 | 12.073 | 1786 | 1791 | 1798 | rBV | 755639 | 959022 | 82.49% | 7.351% |
| 21 | 12.140 | 1798 | 1802 | 1806 | rVB | 9592 | 13875 | 1.19% | 0.106% |
| 22 | 12.231 | 1812 | 1817 | 1821 | rVB | 12309 | 16993 | 1.46% | 0.130% |
| 23 | 12.298 | 1821 | 1828 | 1833 | rBV | 349307 | 431458 | 37.11% | 3.307% |
| 24 | 12.365 | 1835 | 1839 | 1848 | rVB2 | 36223 | 65702 | 5.65% | 0.504% |
| 25 | 12.457 | 1849 | 1854 | 1860 | rBV | 25658 | 35409 | 3.05% | 0.271% |
| 26 | 12.585 | 1870 | 1875 | 1878 | rBV | 50530 | 70037 | 6.02% | 0.537% |
| 27 | 12.664 | 1882 | 1888 | 1891 | rVV | 149280 | 190753 | 16.41% | 1.462% |
| 28 | 12.701 | 1891 | 1894 | 1898 | rVV | 56959 | 71419 | 6.14% | 0.547% |
| 29 | 12.755 | 1898 | 1903 | 1910 | rVB2 | 169378 | 249821 | 21.49% | 1.915% |
| 30 | 12.896 | 1921 | 1926 | 1931 | rVB3 | 23334 | 39767 | 3.42% | 0.305% |
| 31 | 12.975 | 1931 | 1939 | 1942 | rBV | 115370 | 146823 | 12.63% | 1.125% |
| 32 | 13.018 | 1942 | 1946 | 1952 | rVB | 121756 | 146507 | 12.60% | 1.123% |
| 33 | 13.079 | 1952 | 1956 | 1963 | rVB3 | 31671 | 50250 | 4.32% | 0.385% |
| 34 | 13.152 | 1963 | 1968 | 1971 | rBV3 | 15511 | 25511 | 2.19% | 0.196% |

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Sample : K3586-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TWR1

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\82X061919W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.194 | 1971 | 1975 | 1977 | rBV | 28170 | 35163 | 3.02% | 0.270% |
| 36 | 13.225 | 1977 | 1980 | 1984 | rVB | 121482 | 132171 | 11.37% | 1.013% |
| 37 | 13.310 | 1990 | 1994 | 1995 | rBV2 | 26572 | 33226 | 2.86% | 0.255% |
| 38 | 13.347 | 1995 | 2000 | 2006 | rVV2 | 435061 | 608013 | 52.30% | 4.660% |
| 39 | 13.402 | 2006 | 2009 | 2010 | rVV3 | 15690 | 18278 | 1.57% | 0.140% |
| 40 | 13.426 | 2010 | 2013 | 2015 | rVV | 21863 | 28580 | 2.46% | 0.219% |
| 41 | 13.475 | 2017 | 2021 | 2030 | rVB | 141482 | 194330 | 16.71% | 1.489% |
| 42 | 13.560 | 2030 | 2035 | 2038 | rBV2 | 39084 | 56540 | 4.86% | 0.433% |
| 43 | 13.597 | 2038 | 2041 | 2044 | rVV | 77957 | 105662 | 9.09% | 0.810% |
| 44 | 13.639 | 2044 | 2048 | 2053 | rVV2 | 95070 | 180640 | 15.54% | 1.385% |
| 45 | 13.694 | 2054 | 2057 | 2058 | rVV2 | 54716 | 64135 | 5.52% | 0.492% |
| 46 | 13.719 | 2058 | 2061 | 2069 | rVB2 | 106926 | 159541 | 13.72% | 1.223% |
| 47 | 13.835 | 2076 | 2080 | 2088 | rVB2 | 77007 | 125496 | 10.79% | 0.962% |
| 48 | 13.908 | 2088 | 2092 | 2097 | rVB | 78231 | 105939 | 9.11% | 0.812% |
| 49 | 13.981 | 2097 | 2104 | 2108 | rBV2 | 113980 | 164512 | 14.15% | 1.261% |
| 50 | 14.024 | 2108 | 2111 | 2115 | rBV2 | 47163 | 58019 | 4.99% | 0.445% |
| 51 | 14.060 | 2115 | 2117 | 2124 | rVB4 | 13449 | 17144 | 1.47% | 0.131% |
| 52 | 14.127 | 2124 | 2128 | 2132 | rBV | 83666 | 112207 | 9.65% | 0.860% |
| 53 | 14.273 | 2146 | 2152 | 2161 | rBV3 | 115297 | 251502 | 21.63% | 1.928% |
| 54 | 14.377 | 2165 | 2169 | 2173 | rVV2 | 52784 | 68797 | 5.92% | 0.527% |
| 55 | 14.426 | 2173 | 2177 | 2182 | rVV | 91538 | 119437 | 10.27% | 0.915% |
| 56 | 14.475 | 2182 | 2185 | 2190 | rVB2 | 17377 | 22946 | 1.97% | 0.176% |
| 57 | 14.536 | 2190 | 2195 | 2200 | rBV2 | 140315 | 191572 | 16.48% | 1.468% |
| 58 | 14.578 | 2200 | 2202 | 2209 | rVB2 | 9625 | 13536 | 1.16% | 0.104% |
| 59 | 14.670 | 2209 | 2217 | 2220 | rBV2 | 63428 | 108059 | 9.29% | 0.828% |
| 60 | 14.731 | 2224 | 2227 | 2231 | rVB2 | 44945 | 58427 | 5.03% | 0.448% |
| 61 | 14.786 | 2231 | 2236 | 2239 | rBV3 | 20254 | 28965 | 2.49% | 0.222% |
| 62 | 14.834 | 2239 | 2244 | 2249 | rVV | 507060 | 671770 | 57.78% | 5.149% |
| 63 | 14.901 | 2253 | 2255 | 2260 | rVB4 | 19073 | 26114 | 2.25% | 0.200% |
| 64 | 14.962 | 2260 | 2265 | 2271 | rBV3 | 20620 | 42560 | 3.66% | 0.326% |
| 65 | 15.109 | 2284 | 2289 | 2295 | rBV5 | 11336 | 19881 | 1.71% | 0.152% |
| 66 | 15.249 | 2306 | 2312 | 2319 | rBV | 58968 | 105090 | 9.04% | 0.805% |
| 67 | 15.316 | 2319 | 2323 | 2330 | rVB4 | 13807 | 25718 | 2.21% | 0.197% |
| 68 | 15.444 | 2337 | 2344 | 2347 | rBV | 39552 | 64008 | 5.51% | 0.491% |
| 69 | 15.475 | 2347 | 2349 | 2353 | rVB | 27254 | 32746 | 2.82% | 0.251% |
| 70 | 15.548 | 2353 | 2361 | 2366 | rBV | 122887 | 191792 | 16.50% | 1.470% |
| 71 | 15.688 | 2378 | 2384 | 2387 | rBV | 134048 | 205396 | 17.67% | 1.574% |

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Sample : K3586-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TWR1

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\82X061919W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 15.724 | 2387 | 2390 | 2398 | rVB2 | 60548 | 93037 | 8.00% | 0.713% |
| 73 | 15.816 | 2398 | 2405 | 2410 | rBV8 | 7887 | 21158 | 1.82% | 0.162% |
| 74 | 15.913 | 2410 | 2421 | 2437 | rVB3 | 43138 | 141421 | 12.16% | 1.084% |
| 75 | 16.066 | 2441 | 2446 | 2458 | rVB2 | 26461 | 52696 | 4.53% | 0.404% |
| 76 | 16.426 | 2501 | 2505 | 2511 | rVB5 | 7178 | 18954 | 1.63% | 0.145% |
| 77 | 16.688 | 2544 | 2548 | 2553 | rVB4 | 8421 | 15662 | 1.35% | 0.120% |
| 78 | 16.749 | 2553 | 2558 | 2564 | rVB3 | 8487 | 14597 | 1.26% | 0.112% |

Sum of corrected areas: 13047012

LSC Report - Integrated Chromatogram

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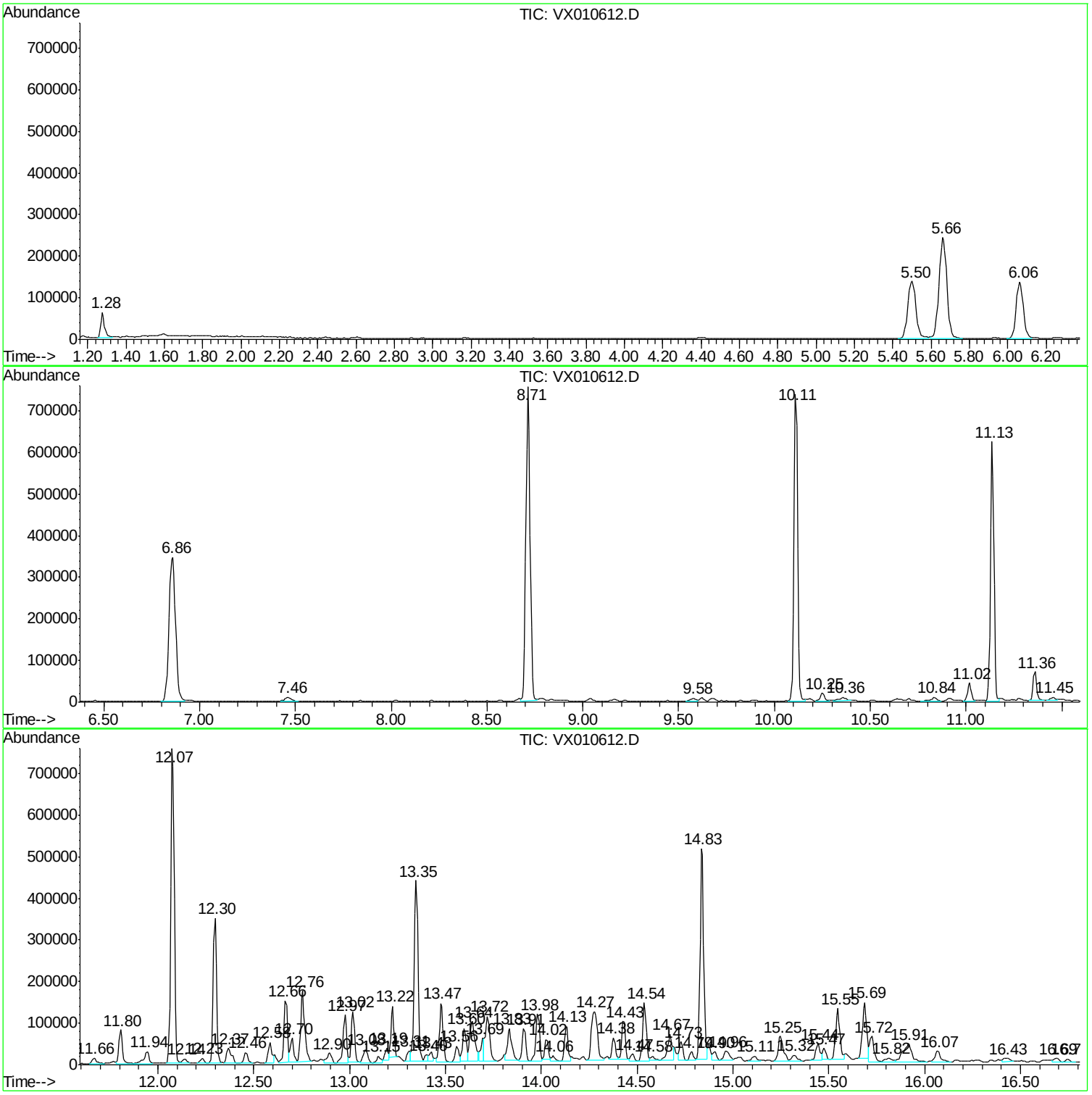
Operator : JC/SP
Sample : K3586-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TWR1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.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\VX070219\
Data File : VX010612.D
Acq On : 02 Jul 2019 13:17
Operator : JC/SP
Sample : K3586-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TWR1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

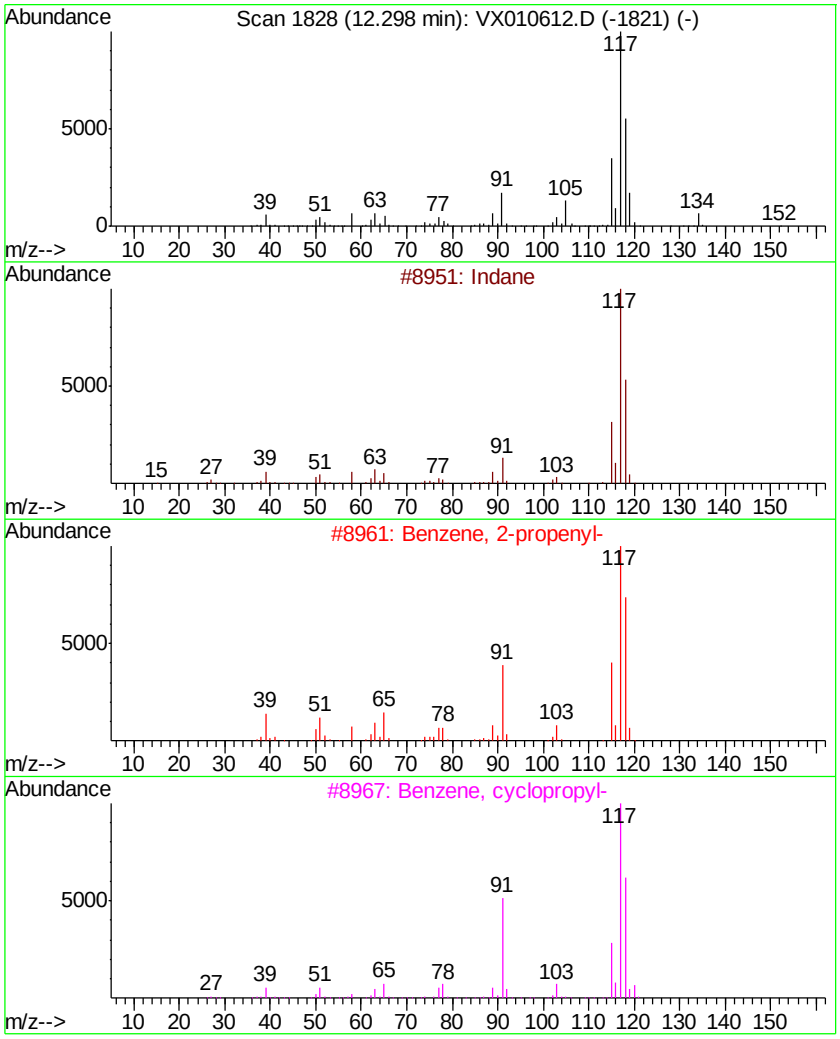
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

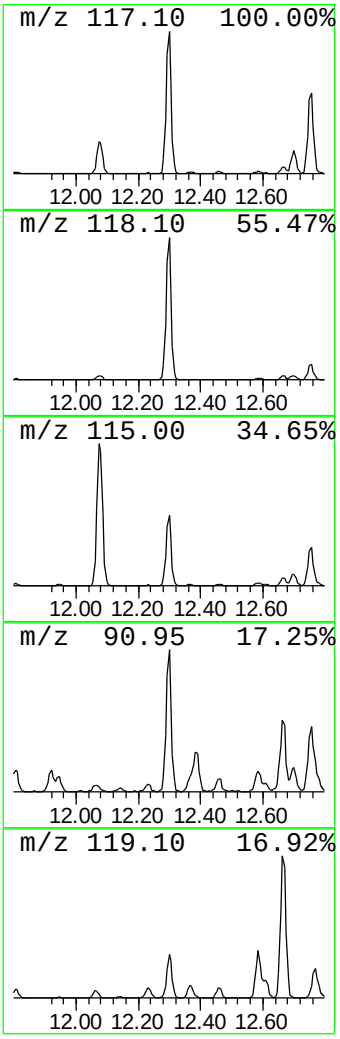
**********

Peak Number 1 Indane Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.30 | 22.49 ug/l | 431458 | 1,4-Dichlorobenzene-d4 | 12.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 93 |
| 2 | Benzene, 2-propenyl- | 118 | C9H10 | 000300-57-2 | 74 |
| 3 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 68 |
| 4 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 68 |
| 5 | Deltacyclene | 118 | C9H10 | 007785-10-6 | 64 |



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Data File : VX010612.D
Acq On : 02 Jul 2019 13:17
Operator : JC/SP
Sample : K3586-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TWR1

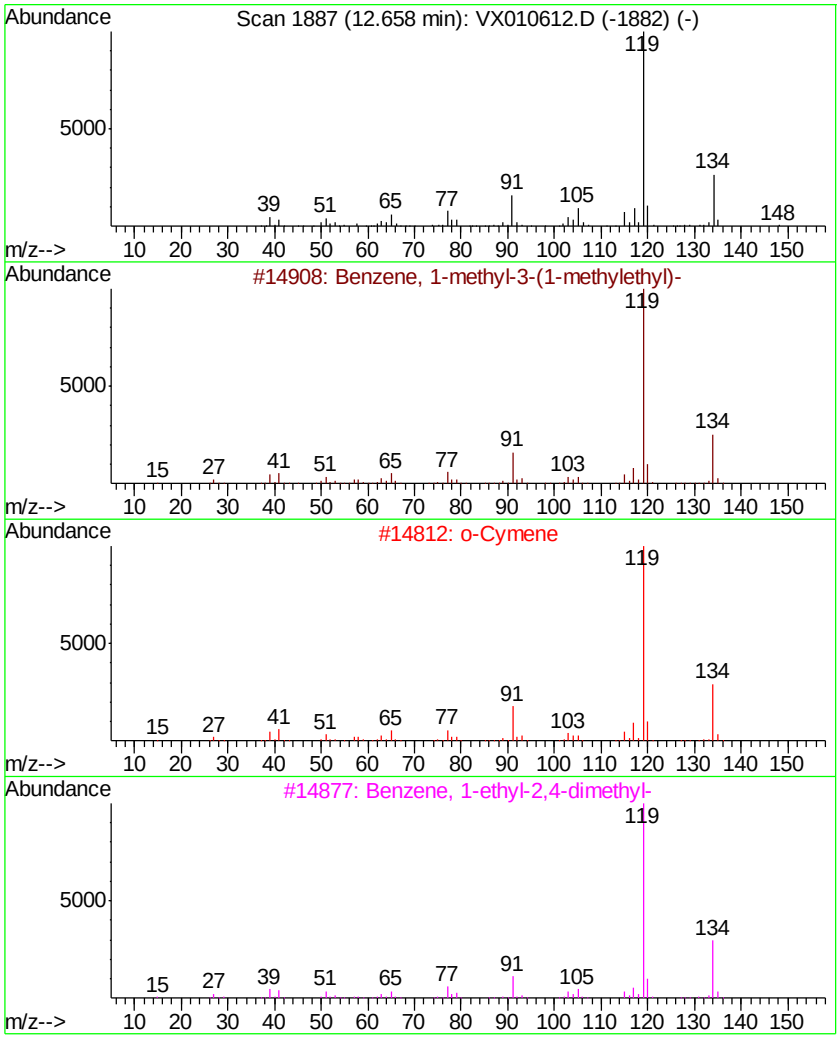
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

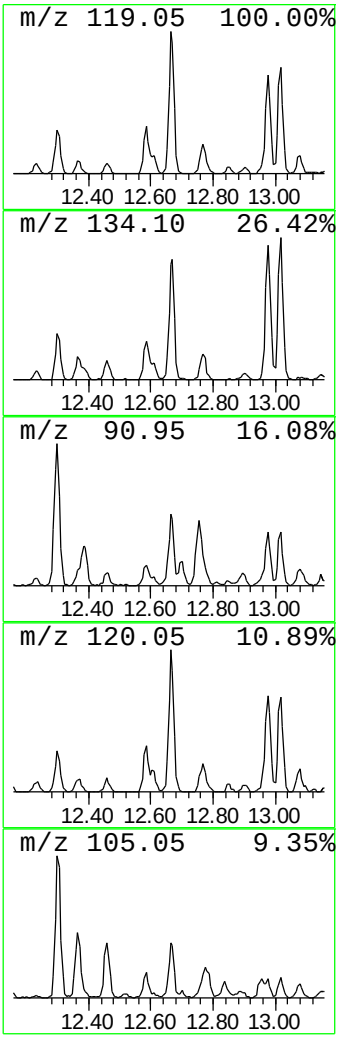
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Benzene, 1-methyl-3-(1-meth... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.66 | 9.95 ug/l | 190753 | 1,4-Dichlorobenzene-d4 | 12.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 97 |
| 2 | o-Cymene | 134 | C10H14 | 000527-84-4 | 97 |
| 3 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 97 |
| 4 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 95 |
| 5 | p-Cymene | 134 | C10H14 | 000099-87-6 | 95 |



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Sample : K3586-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TWR1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

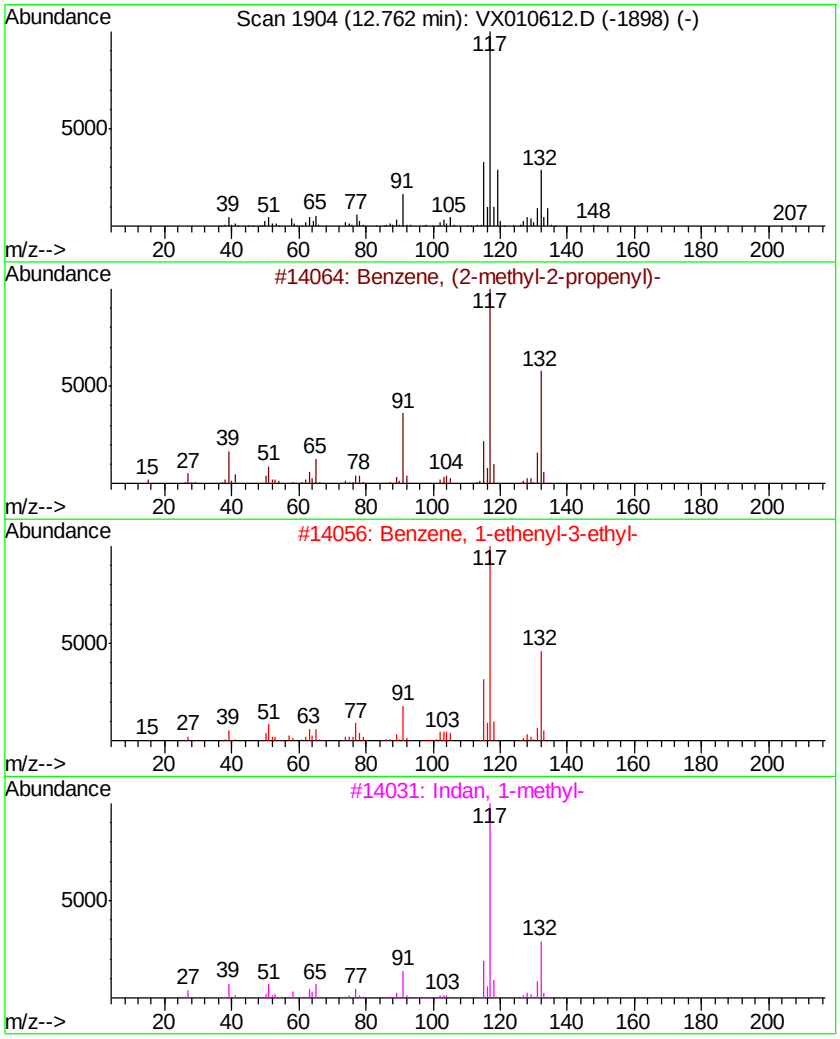
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

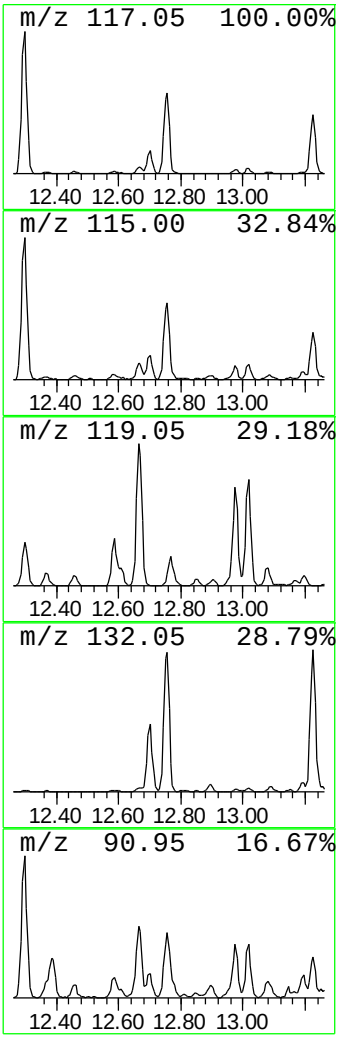
**********

Peak Number 3 Benzene, (2-methyl-2-propen... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.76 | 13.02 ug/l | 249821 | 1,4-Dichlorobenzene-d4 | 12.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (2-methyl-2-propenyl)- | 132 | C10H12 | 003290-53-7 | 90 |
| 2 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 87 |
| 3 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 87 |
| 4 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 87 |
| 5 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 86 |



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Sample : K3586-01
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ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TWR1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

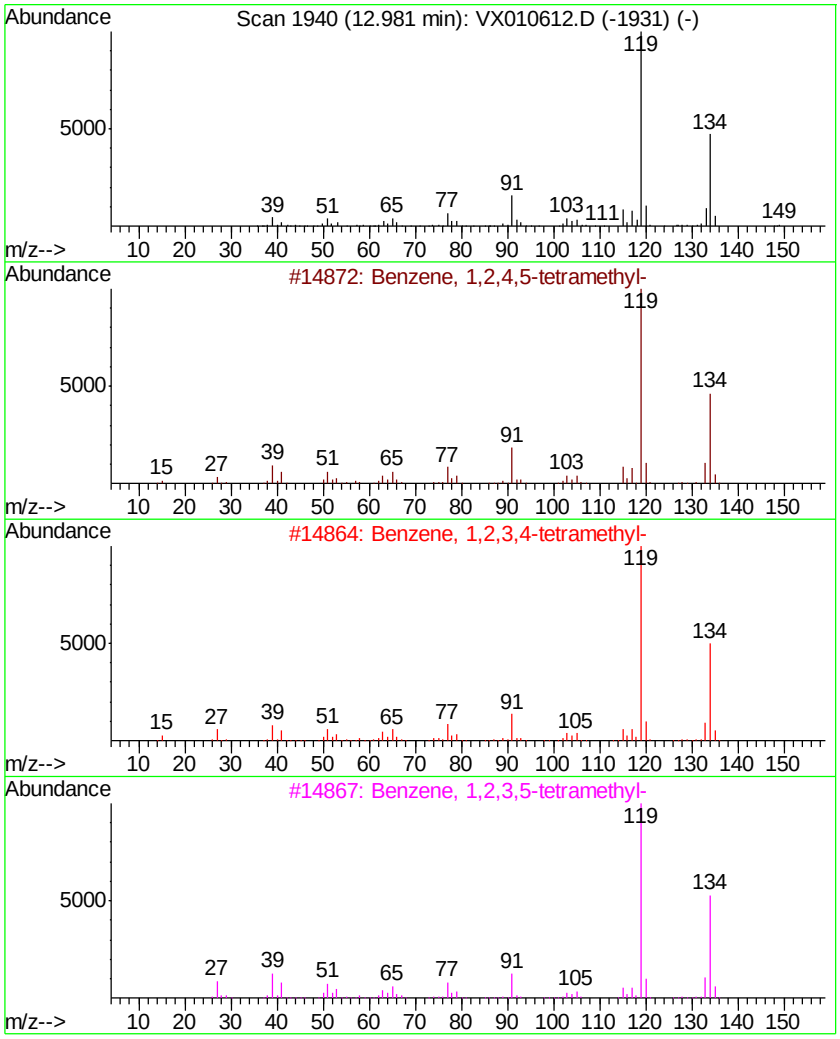
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

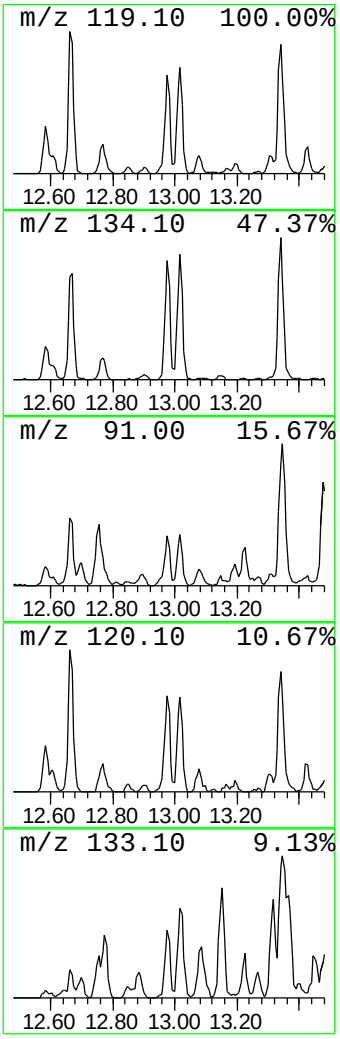
**********

Peak Number 4 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.98 | 7.65 ug/l | 146823 | 1,4-Dichlorobenzene-d4 | 12.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 97 |
| 2 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 97 |
| 3 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |
| 4 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 94 |
| 5 | o-Cymene | 134 | C10H14 | 000527-84-4 | 94 |



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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

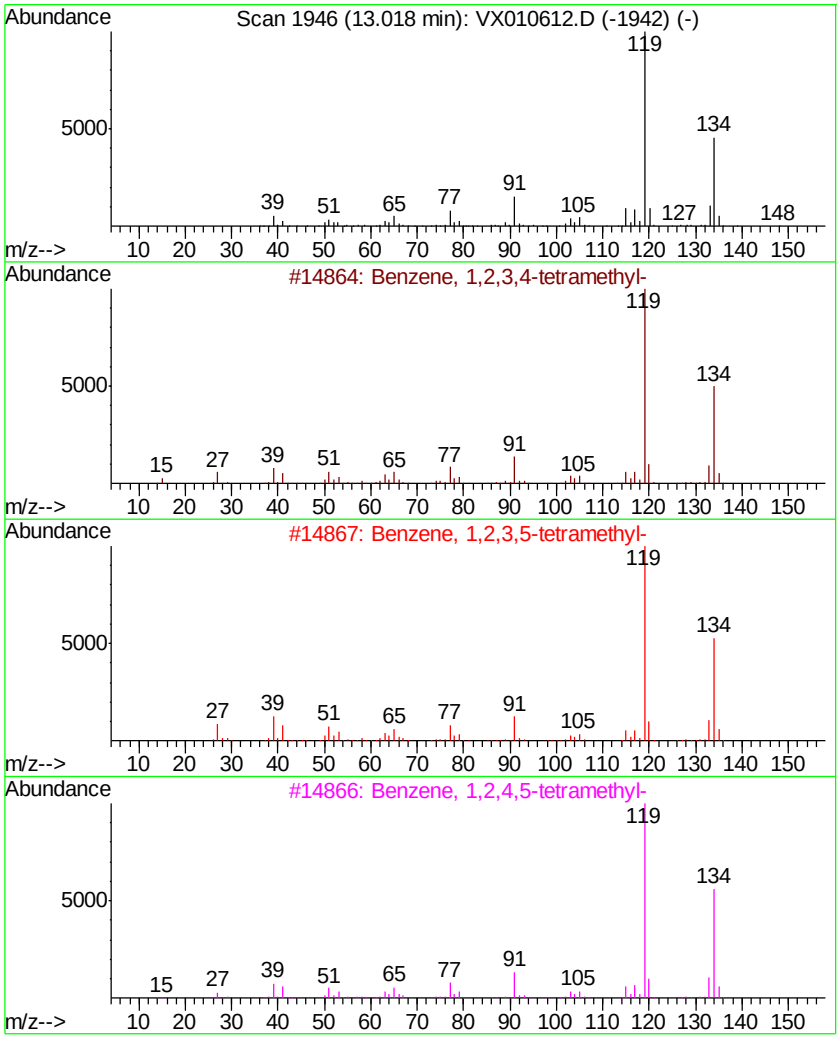
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

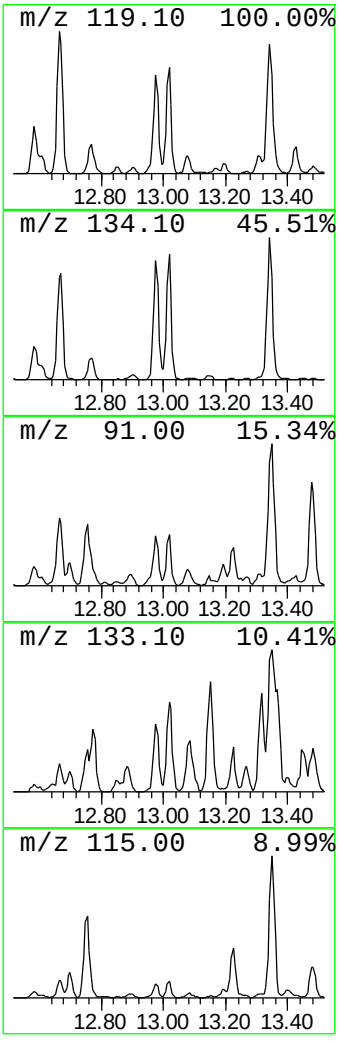
**********

Peak Number 5 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.02 | 7.64 ug/l | 146507 | 1,4-Dichlorobenzene-d4 | 12.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 97 |
| 2 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 97 |
| 3 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 95 |
| 4 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 94 |
| 5 | o-Cymene | 134 | C10H14 | 000527-84-4 | 93 |



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ALS Vial : 9 Sample Multiplier: 1

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**ClientSampleId :** TWR1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

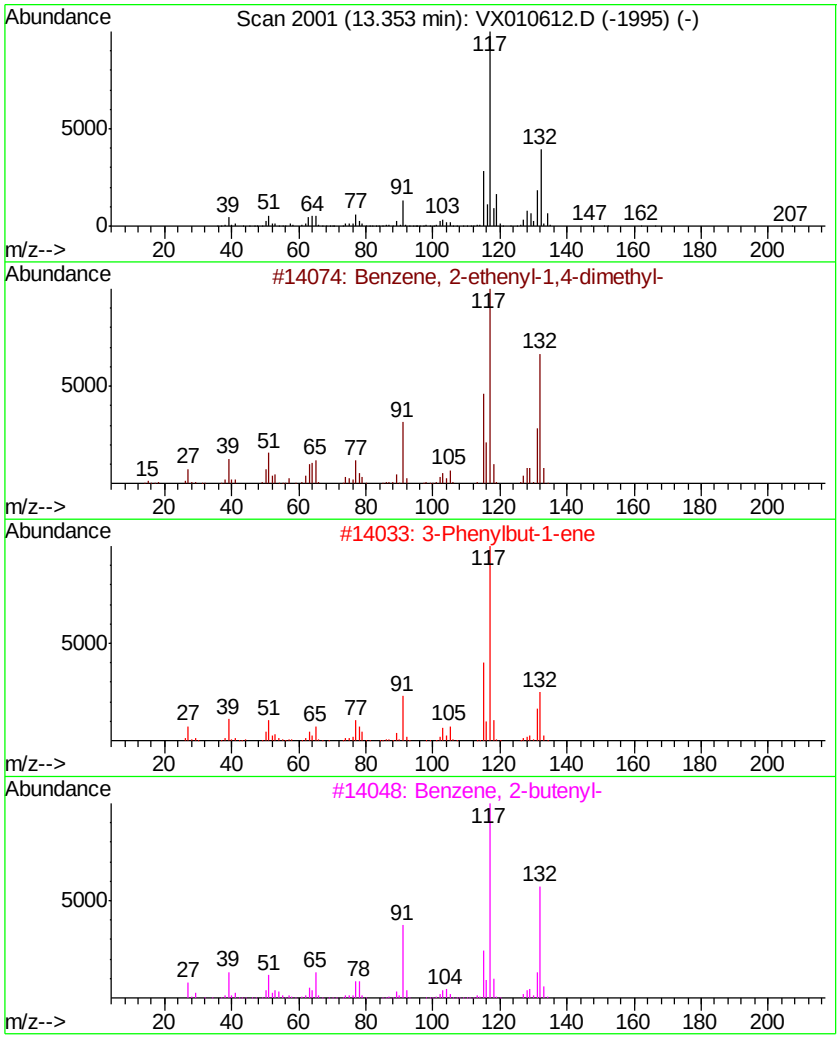
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

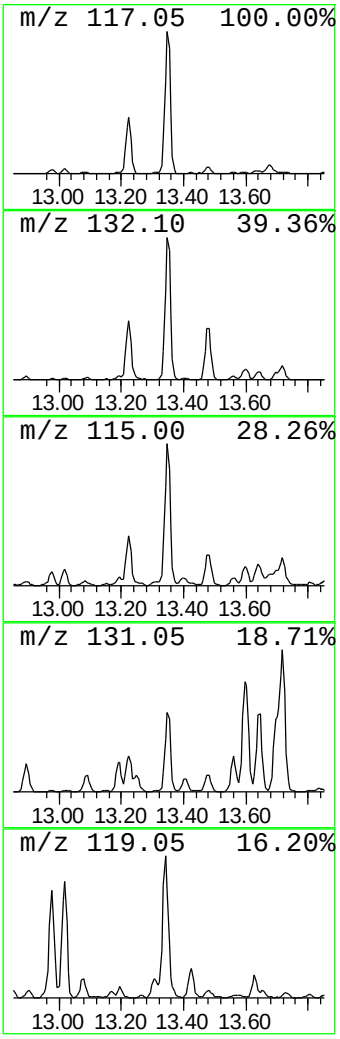
**********

Peak Number 6 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.35 | 31.70 ug/l | 608013 | 1,4-Dichlorobenzene-d4 | 12.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 83 |
| 2 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 81 |
| 3 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 81 |
| 4 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 81 |
| 5 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 76 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX070219\
Data File : VX010612.D
Acq On : 02 Jul 2019 13:17
Operator : JC/SP
Sample : K3586-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TWR1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

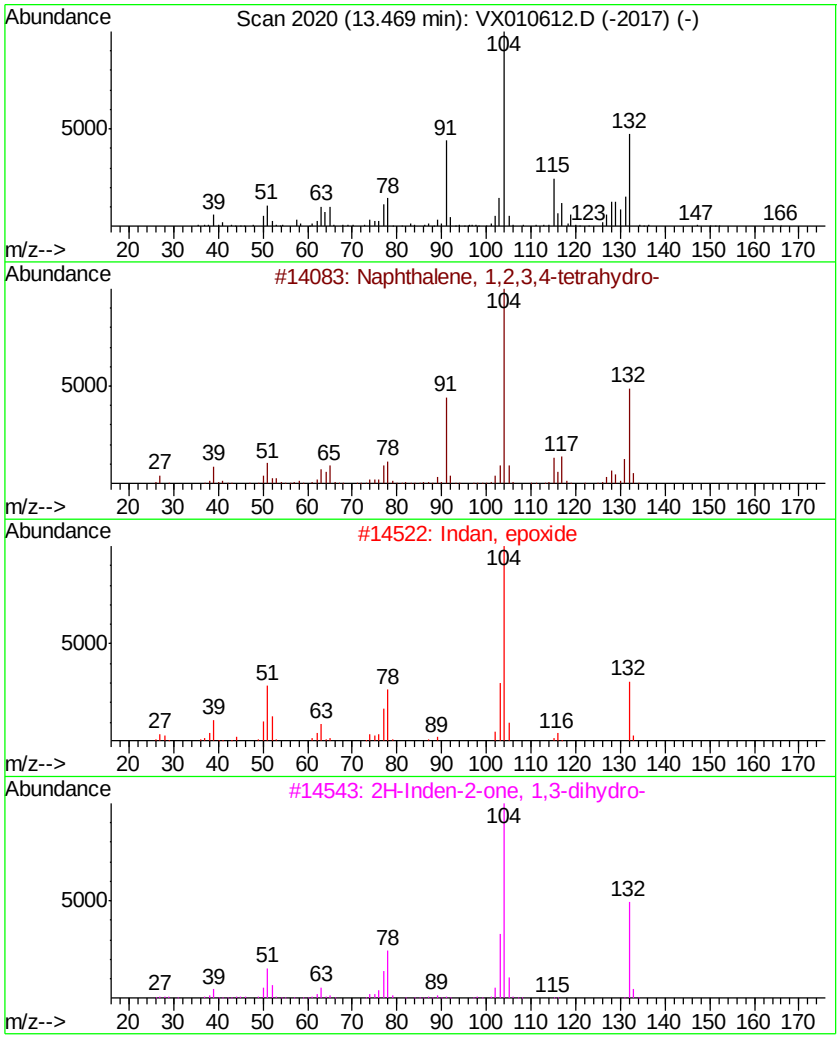
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

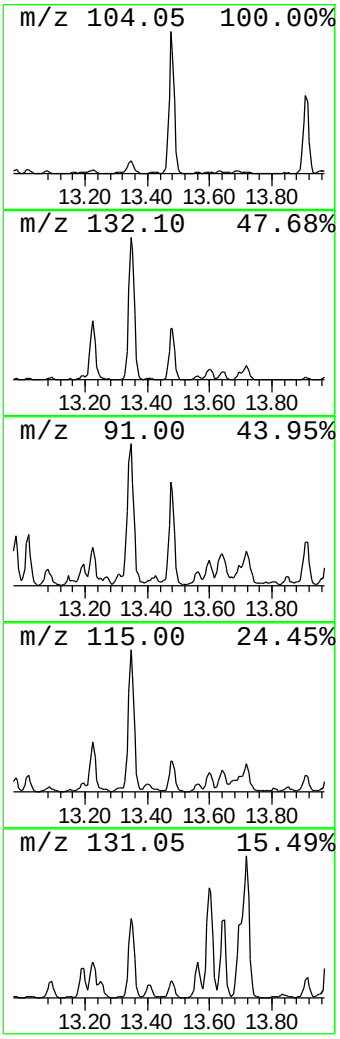
**********

Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.47 | 10.13 ug/l | 194330 | 1,4-Dichlorobenzene-d4 | 12.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 94 |
| 2 | Indan, epoxide | 132 | C9H8O | 000768-22-9 | 49 |
| 3 | 2H-Inden-2-one, 1,3-dihydro- | 132 | C9H8O | 000615-13-4 | 47 |
| 4 | Naphthalene, 2-ethyl-1,2,3,4-tet... | 160 | C12H16 | 032367-54-7 | 40 |
| 5 | Benzene, cyclobutyl- | 132 | C10H12 | 004392-30-7 | 40 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX070219\
Data File : VX010612.D
Acq On : 02 Jul 2019 13:17
Operator : JC/SP
Sample : K3586-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TWR1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

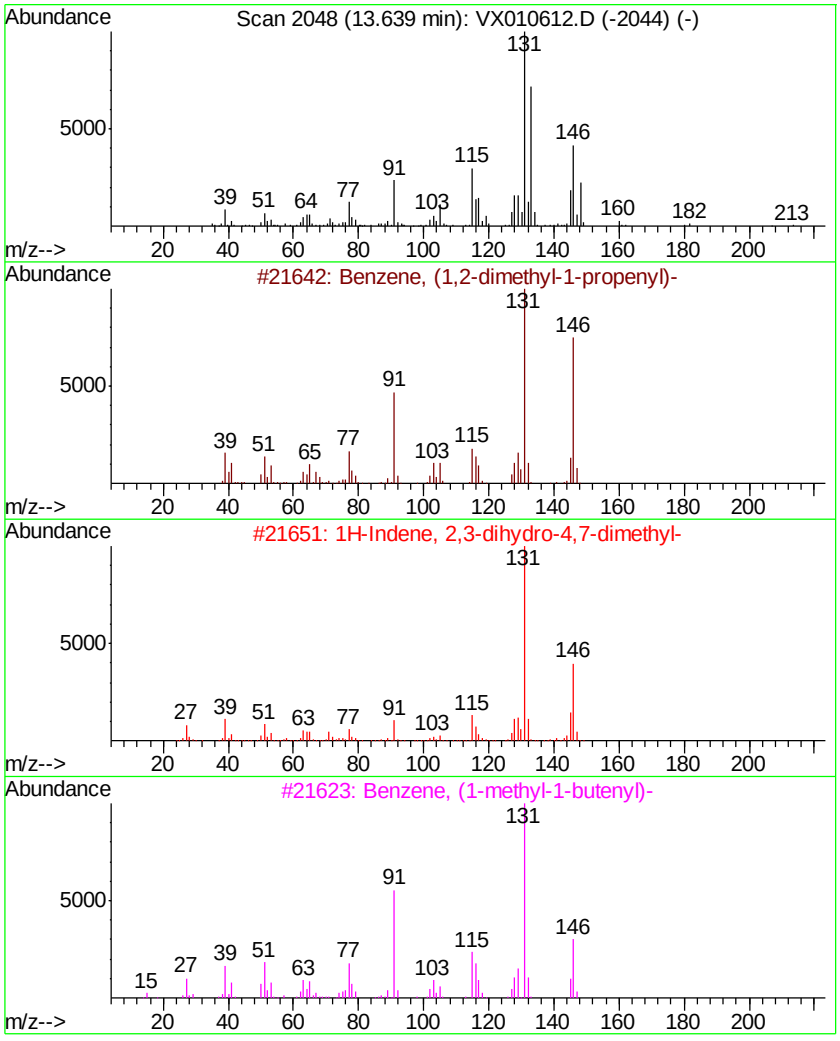
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

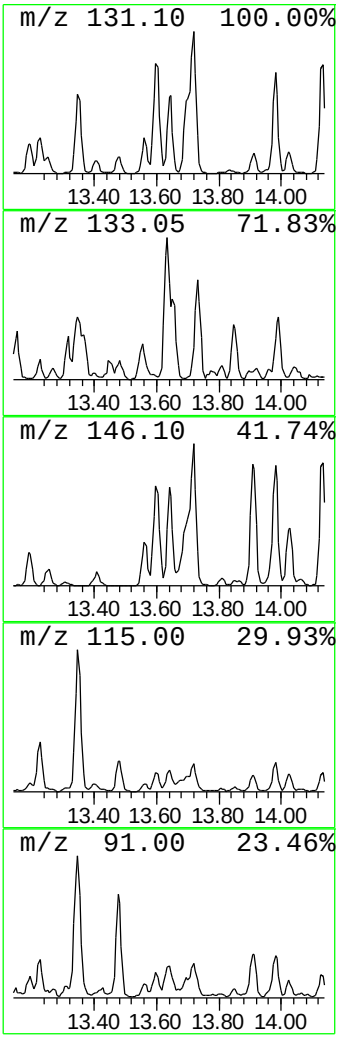
**********

Peak Number 8 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.64 | 9.42 ug/l | 180640 | 1,4-Dichlorobenzene-d4 | 12.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 94 |
| 2 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 92 |
| 3 | Benzene, (1-methyl-1-butenyl)- | 146 | C11H14 | 053172-84-2 | 76 |
| 4 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 76 |
| 5 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 70 |



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Data File : VX010612.D
Acq On : 02 Jul 2019 13:17
Operator : JC/SP
Sample : K3586-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TWR1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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

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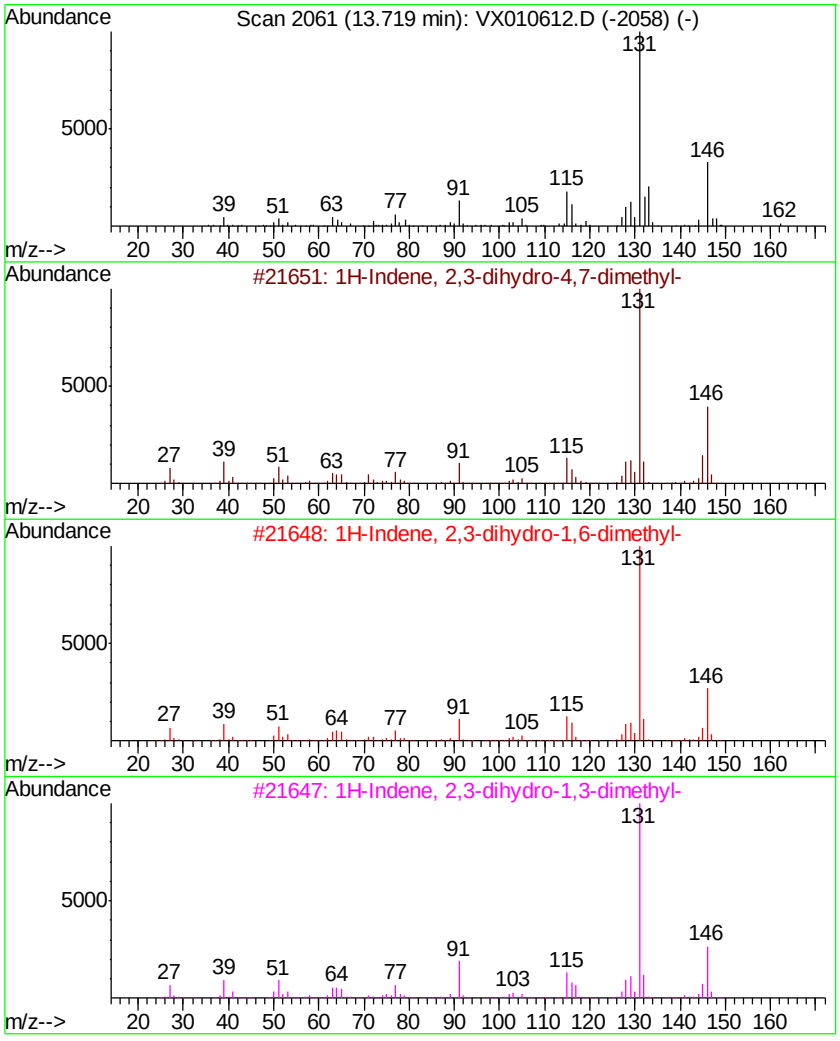
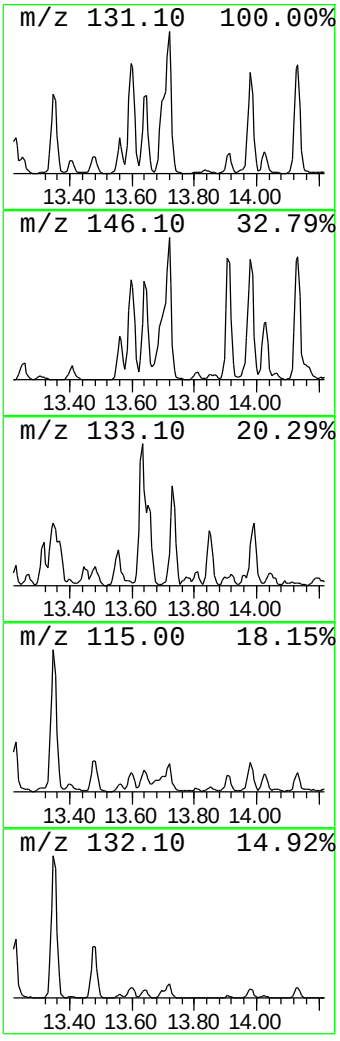
Peak Number 9 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.72 | 8.32 ug/l | 159541 | 1,4-Dichlorobenzene-d4 | 12.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 93 |
| 2 | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14 | 017059-48-2 | 91 |
| 3 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 87 |
| 4 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 87 |
| 5 | 1,3-Cyclopentadiene, 5-(trans-2-... | 146 | C11H14 | 079209-36-2 | 81 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX070219\
Data File : VX010612.D
Acq On : 02 Jul 2019 13:17
Operator : JC/SP
Sample : K3586-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TWR1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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

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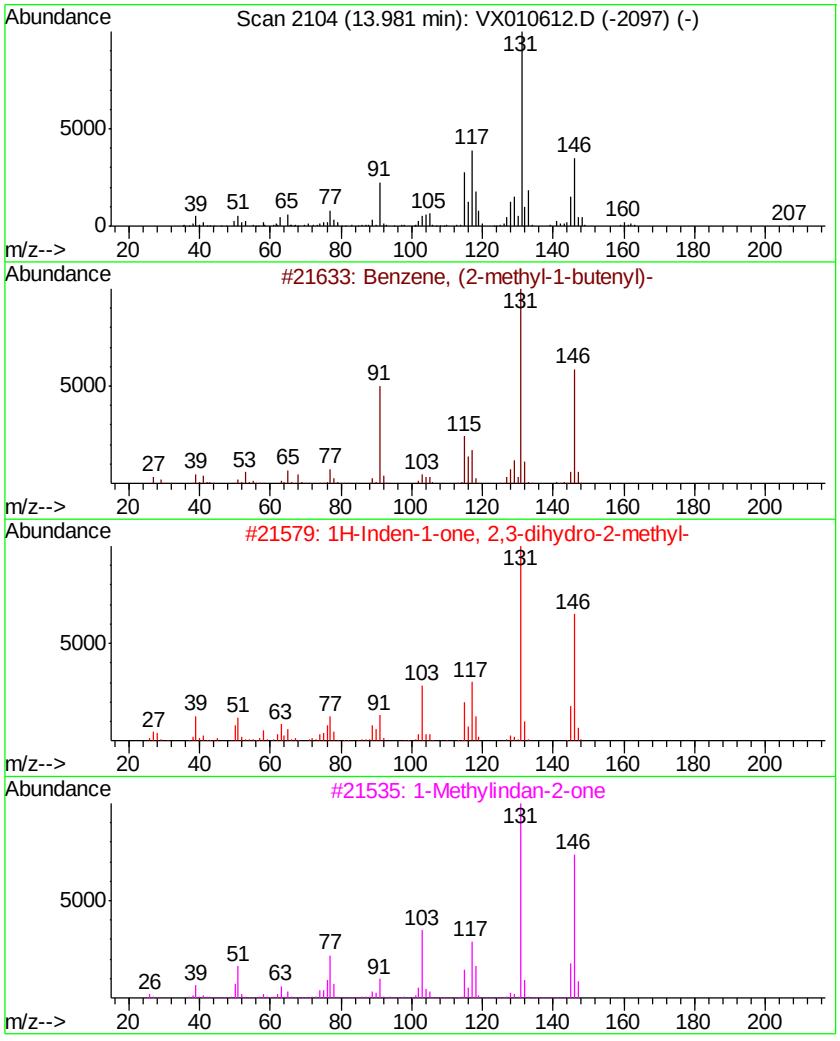
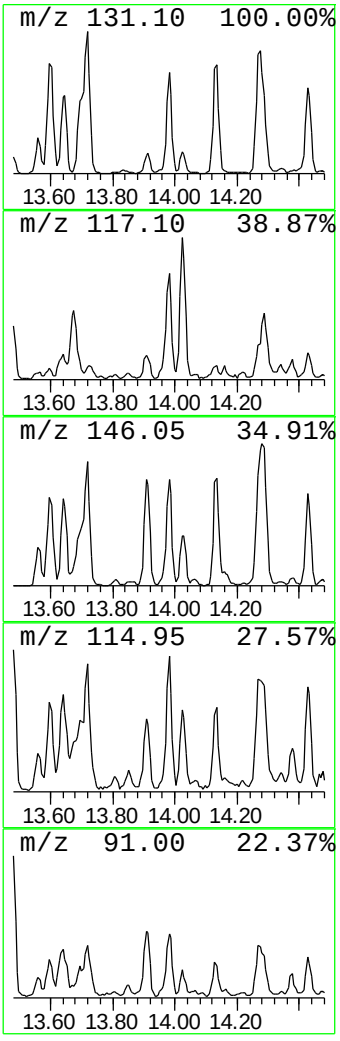
Peak Number 10 Benzene, (2-methyl-1-butenyl)- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.98 | 8.58 ug/l | 164512 | 1,4-Dichlorobenzene-d4 | 12.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (2-methyl-1-butenyl)- | 146 | C11H14 | 056253-64-6 | 94 |
| 2 | 1H-Inden-1-one, 2,3-dihydro-2-me... | 146 | C10H10O | 017496-14-9 | 87 |
| 3 | 1-Methylindan-2-one | 146 | C10H10O | 035587-60-1 | 83 |
| 4 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 70 |
| 5 | Benzene, 1-methyl-4-(1-methyl-2-... | 146 | C11H14 | 097664-18-1 | 70 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX070219\
Data File : VX010612.D
Acq On : 02 Jul 2019 13:17
Operator : JC/SP
Sample : K3586-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TWR1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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

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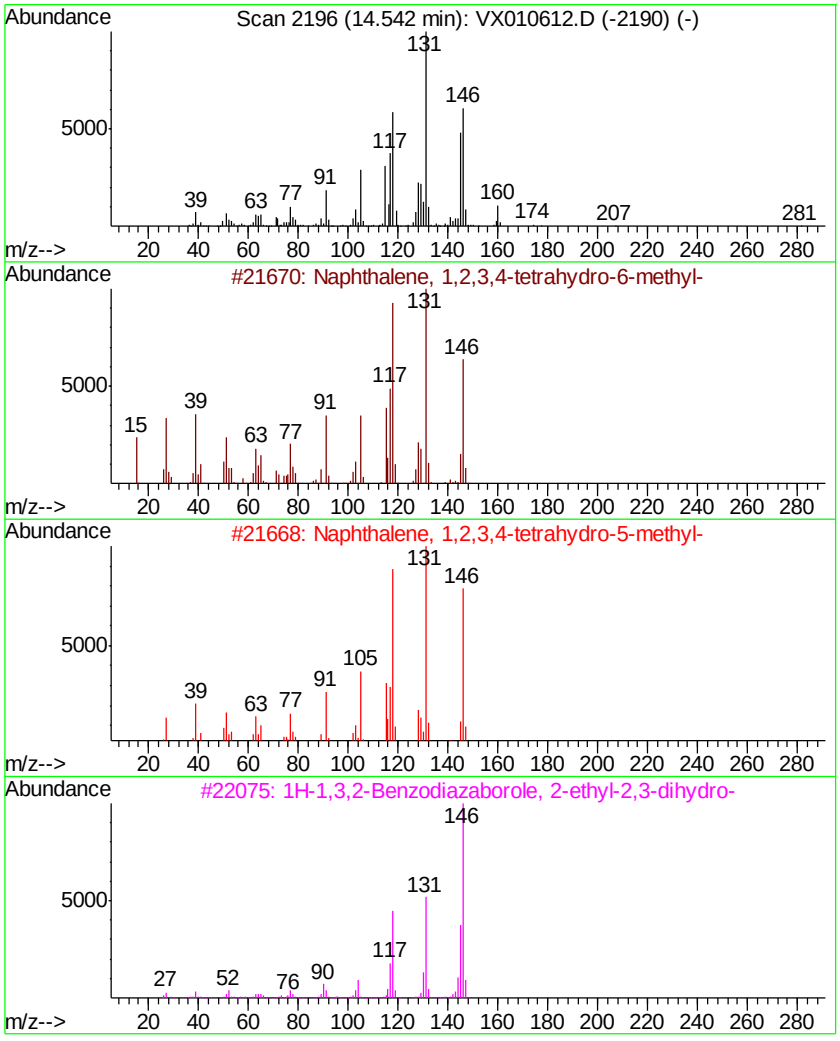
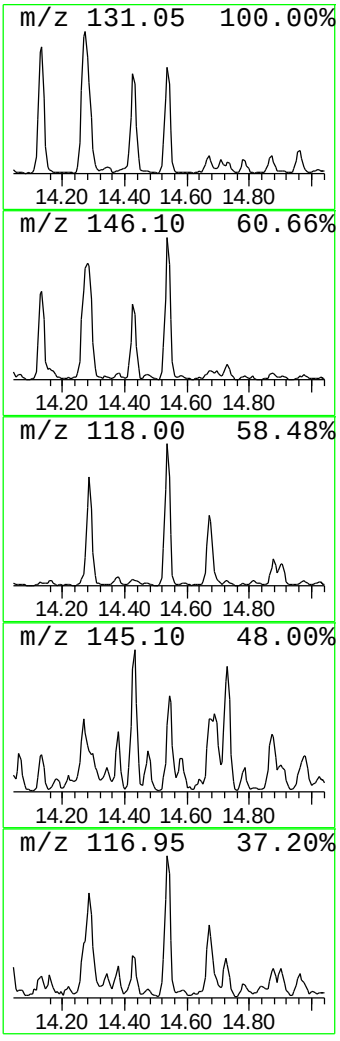
Peak Number 12 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.54 | 9.99 ug/l | 191572 | 1,4-Dichlorobenzene-d4 | 12.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001680-51-9 | 95 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 002809-64-5 | 95 |
| 3 | 1H-1,3,2-Benzodiazaborole, 2-eth... | 146 | C8H11BN2 | 074663-81-3 | 90 |
| 4 | 2-Propyn-1-ol, 3-(4-methylphenyl)- | 146 | C10H10O | 016017-24-6 | 68 |
| 5 | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14 | 000769-25-5 | 64 |



# Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX070219\
Data File : VX010612.D
Acq On : 02 Jul 2019 13:17
Operator : JC/SP
Sample : K3586-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TWR1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

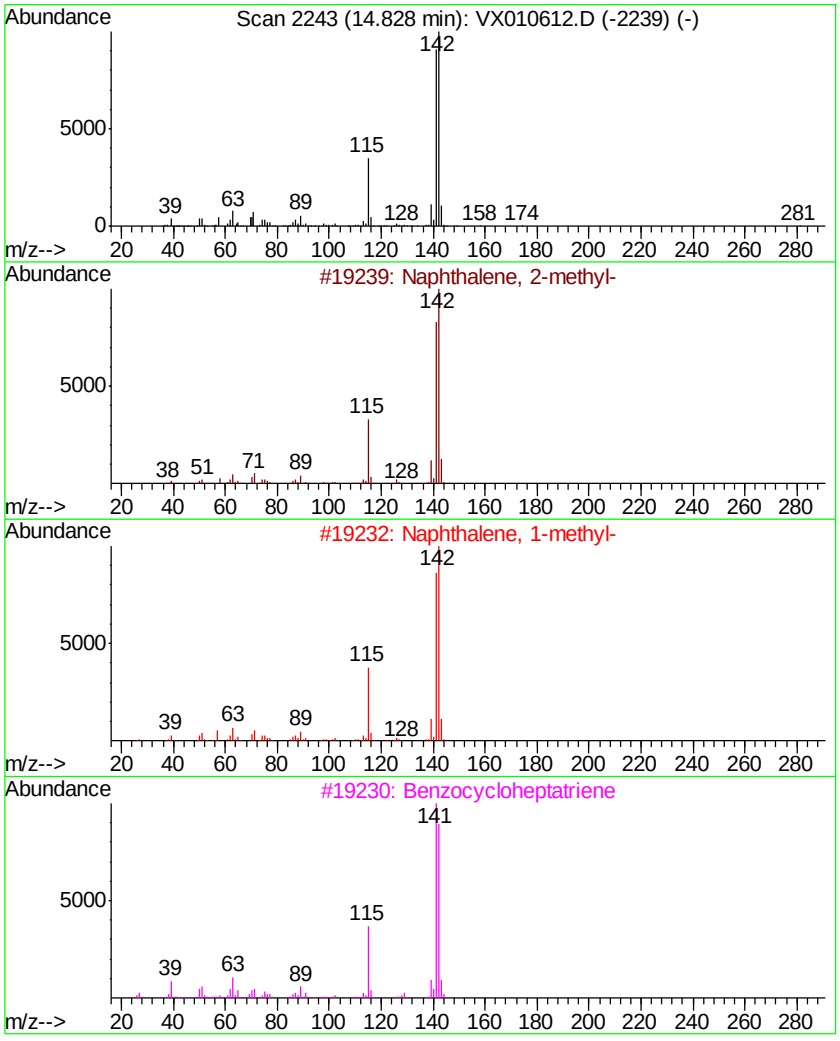
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

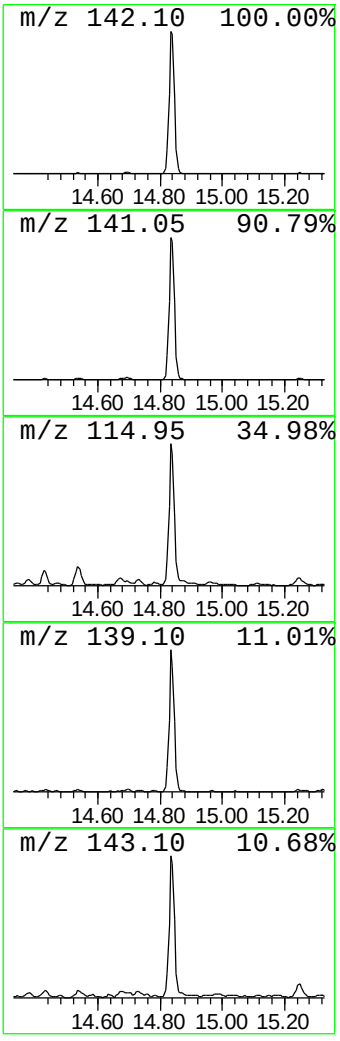
**********

Peak Number 13 Naphthalene, 1-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.83 | 35.02 ug/l | 671770 | 1,4-Dichlorobenzene-d4 | 12.07 |

| 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 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 91 |
| 4 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 91 |
| 5 | Bicyclo[4.4.1]undeca-1,3,5,7,9-p... | 142 | C11H10 | 002443-46-1 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX070219\
Data File : VX010612.D
Acq On : 02 Jul 2019 13:17
Operator : JC/SP
Sample : K3586-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TWR1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

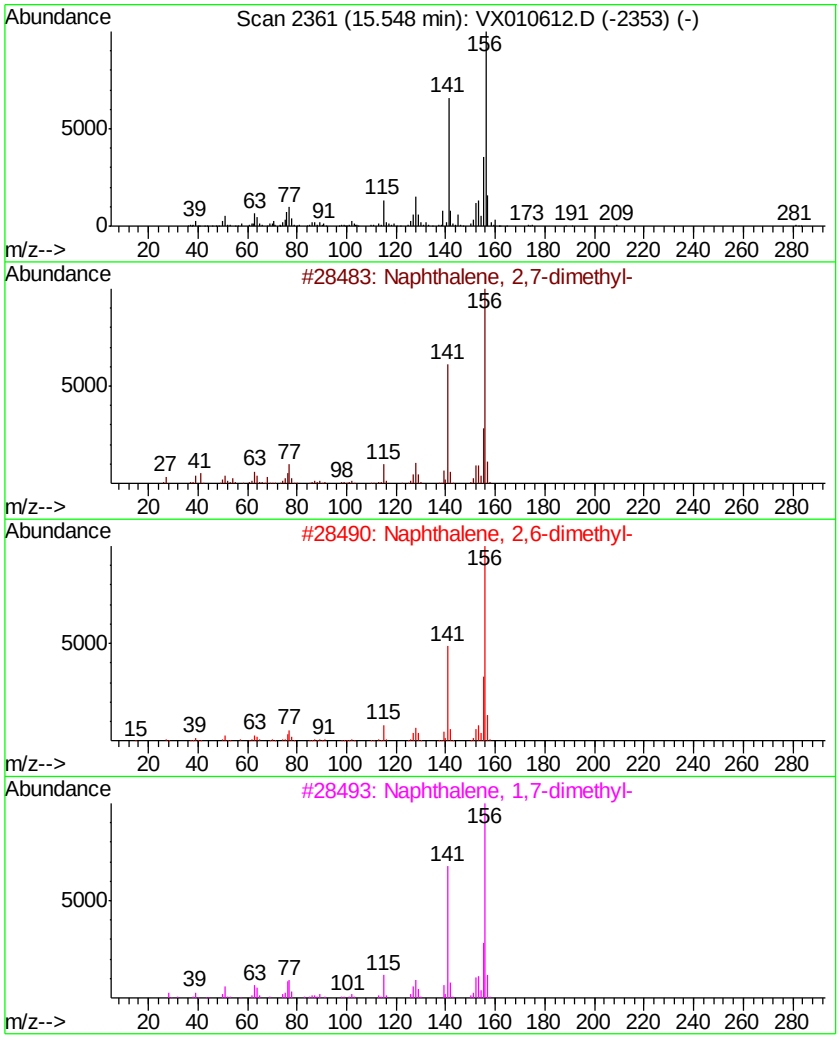
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

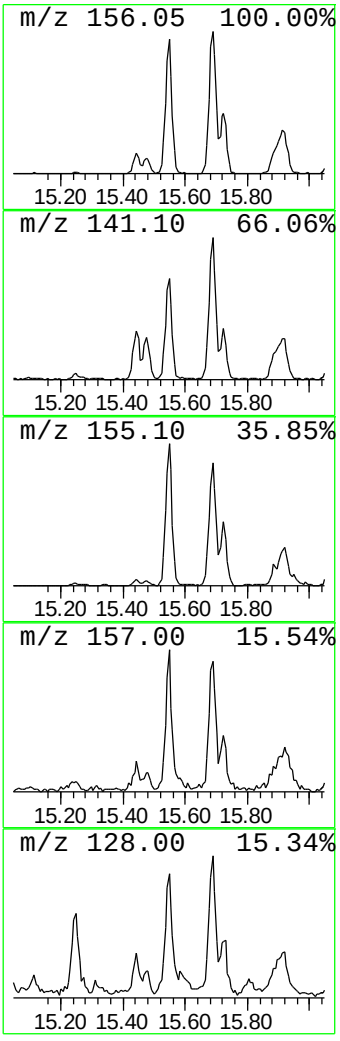
**********

Peak Number 14 Naphthalene, 2,7-dimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.55 | 10.00 ug/l | 191792 | 1,4-Dichlorobenzene-d4 | 12.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 97 |
| 2 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 96 |
| 3 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 96 |
| 4 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 96 |
| 5 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 96 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX070219\
Data File : VX010612.D
Acq On : 02 Jul 2019 13:17
Operator : JC/SP
Sample : K3586-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TWR1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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

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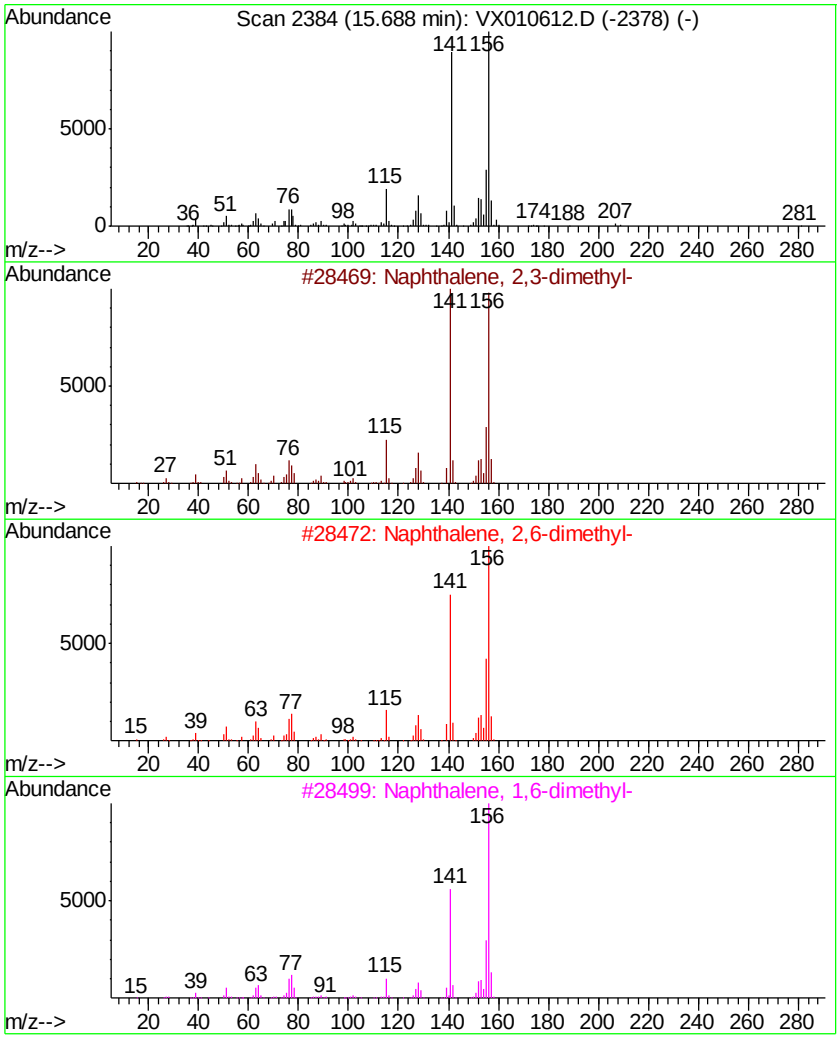
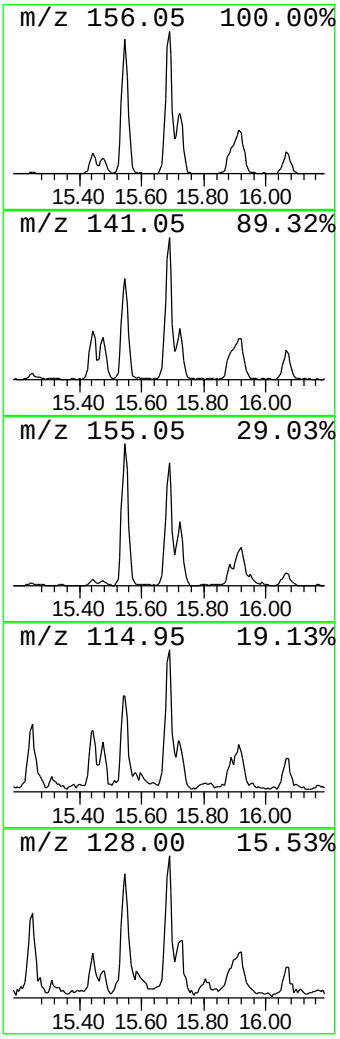
Peak Number 15 Naphthalene, 2,3-dimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.69 | 10.71 ug/l | 205396 | 1,4-Dichlorobenzene-d4 | 12.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 98 |
| 2 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 97 |
| 3 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |
| 4 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 97 |
| 5 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 97 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070219\
Data File : VX010612.D
Acq On : 02 Jul 2019 13:17
Operator : JC/SP
Sample : K3586-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TWR1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.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 |
| Indane | 12.30 | 22.5 | ug/l | 431458 | 4 | 12.07 | 959022 | 50.0 |
| Benzene, 1-methyl... | 12.66 | 9.9 | ug/l | 190753 | 4 | 12.07 | 959022 | 50.0 |
| Benzene, (2-methy... | 12.76 | 13.0 | ug/l | 249821 | 4 | 12.07 | 959022 | 50.0 |
| Benzene, 1,2,4,5-... | 12.98 | 7.7 | ug/l | 146823 | 4 | 12.07 | 959022 | 50.0 |
| Benzene, 1,2,3,4-... | 13.02 | 7.6 | ug/l | 146507 | 4 | 12.07 | 959022 | 50.0 |
| Benzene, 2-etheny... | 13.35 | 31.7 | ug/l | 608013 | 4 | 12.07 | 959022 | 50.0 |
| Naphthalene, 1,2,... | 13.47 | 10.1 | ug/l | 194330 | 4 | 12.07 | 959022 | 50.0 |
| Benzene, (1,2-dim... | 13.64 | 9.4 | ug/l | 180640 | 4 | 12.07 | 959022 | 50.0 |
| 1H-Indene, 2,3-di... | 13.72 | 8.3 | ug/l | 159541 | 4 | 12.07 | 959022 | 50.0 |
| Benzene, (2-methy... | 13.98 | 8.6 | ug/l | 164512 | 4 | 12.07 | 959022 | 50.0 |
| Naphthalene, 1,2,... | 14.54 | 10.0 | ug/l | 191572 | 4 | 12.07 | 959022 | 50.0 |
| Naphthalene, 1-me... | 14.83 | 35.0 | ug/l | 671770 | 4 | 12.07 | 959022 | 50.0 |
| Naphthalene, 2,7-... | 15.55 | 10.0 | ug/l | 191792 | 4 | 12.07 | 959022 | 50.0 |
| Naphthalene, 2,3-... | 15.69 | 10.7 | ug/l | 205396 | 4 | 12.07 | 959022 | 50.0 |