

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\  
 Data File : VX002619.D  
 Acq On : 16 Jun 2018 01:28  
 Operator : JC/MD  
 Sample : J3467-07  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PR-MW-02-061118

## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061518W.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      | 1.075    | 76         | 80       | 91        | rBV   | 1398564     | 1668503    | 100.00%      | 8.897%     |
| 2      | 1.349    | 118        | 125      | 129       | rBV   | 40688       | 121524     | 7.28%        | 0.648%     |
| 3      | 1.788    | 193        | 197      | 207       | rVB   | 41025       | 60126      | 3.60%        | 0.321%     |
| 4      | 2.002    | 228        | 232      | 239       | rVB2  | 12248       | 20496      | 1.23%        | 0.109%     |
| 5      | 2.270    | 269        | 276      | 281       | rVB3  | 10746       | 18055      | 1.08%        | 0.096%     |
| 6      | 2.843    | 364        | 370      | 374       | rBV   | 23110       | 52488      | 3.15%        | 0.280%     |
| 7      | 2.892    | 374        | 378      | 383       | rVB   | 32940       | 60673      | 3.64%        | 0.324%     |
| 8      | 3.172    | 417        | 424      | 433       | rVB   | 43927       | 99412      | 5.96%        | 0.530%     |
| 9      | 3.520    | 475        | 481      | 489       | rVB2  | 8739        | 19434      | 1.16%        | 0.104%     |
| 10     | 3.818    | 521        | 530      | 538       | rBV2  | 12963       | 32336      | 1.94%        | 0.172%     |
| 11     | 3.922    | 538        | 547      | 555       | rBV3  | 8406        | 23106      | 1.38%        | 0.123%     |
| 12     | 4.196    | 582        | 592      | 598       | rBV4  | 7282        | 17916      | 1.07%        | 0.096%     |
| 13     | 4.404    | 616        | 626      | 638       | rVB2  | 55013       | 161715     | 9.69%        | 0.862%     |
| 14     | 5.507    | 790        | 807      | 816       | rBV   | 138369      | 410252     | 24.59%       | 2.188%     |
| 15     | 5.666    | 824        | 833      | 864       | rVB   | 214606      | 690175     | 41.36%       | 3.680%     |
| 16     | 5.928    | 867        | 876      | 889       | rVB5  | 12411       | 40175      | 2.41%        | 0.214%     |
| 17     | 6.074    | 889        | 900      | 909       | rBV   | 155848      | 406416     | 24.36%       | 2.167%     |
| 18     | 6.257    | 923        | 930      | 938       | rBV4  | 14785       | 51361      | 3.08%        | 0.274%     |
| 19     | 6.355    | 939        | 946      | 956       | rVV2  | 29892       | 91223      | 5.47%        | 0.486%     |
| 20     | 6.458    | 956        | 963      | 973       | rVB3  | 17095       | 47418      | 2.84%        | 0.253%     |
| 21     | 6.867    | 1020       | 1030     | 1038      | rBV   | 309817      | 745774     | 44.70%       | 3.977%     |
| 22     | 6.940    | 1039       | 1042     | 1055      | rVB4  | 26875       | 65260      | 3.91%        | 0.348%     |
| 23     | 7.257    | 1085       | 1094     | 1102      | rBV3  | 21826       | 49805      | 2.99%        | 0.266%     |
| 24     | 7.458    | 1114       | 1127     | 1140      | rVB4  | 43570       | 128482     | 7.70%        | 0.685%     |
| 25     | 7.738    | 1166       | 1173     | 1185      | rVB4  | 9647        | 21573      | 1.29%        | 0.115%     |
| 26     | 7.964    | 1207       | 1210     | 1217      | rVV4  | 12996       | 23515      | 1.41%        | 0.125%     |
| 27     | 8.062    | 1217       | 1226     | 1238      | rVB2  | 15293       | 40581      | 2.43%        | 0.216%     |
| 28     | 8.177    | 1238       | 1245     | 1248      | rBV2  | 24333       | 49503      | 2.97%        | 0.264%     |
| 29     | 8.214    | 1248       | 1251     | 1256      | rVB   | 31985       | 50267      | 3.01%        | 0.268%     |
| 30     | 8.574    | 1304       | 1310     | 1320      | rVB4  | 27129       | 56013      | 3.36%        | 0.299%     |
| 31     | 8.671    | 1320       | 1326     | 1328      | rBV3  | 12369       | 21868      | 1.31%        | 0.117%     |
| 32     | 8.720    | 1328       | 1334     | 1341      | rVB   | 782252      | 1187568    | 71.18%       | 6.333%     |
| 33     | 9.165    | 1399       | 1407     | 1412      | rBV4  | 12433       | 25639      | 1.54%        | 0.137%     |
| 34     | 9.226    | 1412       | 1417     | 1428      | rVB   | 28003       | 46410      | 2.78%        | 0.247%     |

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Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061518W.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 9.525  | 1462 | 1466 | 1469 | rBV  | 17449  | 23632   | 1.42%  | 0.126% |
| 36 | 9.567  | 1469 | 1473 | 1480 | rVB7 | 9036   | 20999   | 1.26%  | 0.112% |
| 37 | 10.073 | 1551 | 1556 | 1558 | rBV  | 15897  | 22036   | 1.32%  | 0.118% |
| 38 | 10.116 | 1558 | 1563 | 1569 | rVB  | 649072 | 866341  | 51.92% | 4.620% |
| 39 | 10.256 | 1582 | 1586 | 1590 | rVB  | 25398  | 32984   | 1.98%  | 0.176% |
| 40 | 10.360 | 1596 | 1603 | 1609 | rVB  | 27089  | 49661   | 2.98%  | 0.265% |
| 41 | 10.646 | 1639 | 1650 | 1658 | rBV9 | 7260   | 21092   | 1.26%  | 0.112% |
| 42 | 10.915 | 1690 | 1694 | 1705 | rVB8 | 9038   | 21836   | 1.31%  | 0.116% |
| 43 | 11.024 | 1705 | 1712 | 1717 | rBV  | 800394 | 1027542 | 61.58% | 5.479% |
| 44 | 11.140 | 1724 | 1731 | 1736 | rBV  | 666451 | 837453  | 50.19% | 4.466% |
| 45 | 11.366 | 1759 | 1768 | 1777 | rBV  | 306211 | 393347  | 23.57% | 2.098% |
| 46 | 11.457 | 1777 | 1783 | 1787 | rBV2 | 9624   | 18528   | 1.11%  | 0.099% |
| 47 | 11.671 | 1809 | 1818 | 1827 | rBV  | 36705  | 55265   | 3.31%  | 0.295% |
| 48 | 11.774 | 1831 | 1835 | 1838 | rBV2 | 15096  | 19837   | 1.19%  | 0.106% |
| 49 | 11.927 | 1852 | 1860 | 1861 | rBV  | 24490  | 34843   | 2.09%  | 0.186% |
| 50 | 11.951 | 1861 | 1864 | 1869 | rVB  | 73994  | 90136   | 5.40%  | 0.481% |
| 51 | 12.079 | 1880 | 1885 | 1891 | rBV  | 750422 | 955537  | 57.27% | 5.095% |
| 52 | 12.146 | 1891 | 1896 | 1901 | rBV  | 379427 | 456784  | 27.38% | 2.436% |
| 53 | 12.238 | 1906 | 1911 | 1916 | rVB  | 26643  | 34839   | 2.09%  | 0.186% |
| 54 | 12.305 | 1916 | 1922 | 1929 | rBV  | 758747 | 935284  | 56.06% | 4.987% |
| 55 | 12.372 | 1929 | 1933 | 1943 | rVB2 | 62650  | 130447  | 7.82%  | 0.696% |
| 56 | 12.463 | 1943 | 1948 | 1954 | rBV  | 56671  | 70961   | 4.25%  | 0.378% |
| 57 | 12.524 | 1954 | 1958 | 1963 | rVB  | 15440  | 21554   | 1.29%  | 0.115% |
| 58 | 12.671 | 1974 | 1982 | 1985 | rBV  | 283884 | 359270  | 21.53% | 1.916% |
| 59 | 12.707 | 1985 | 1988 | 1992 | rVV  | 115299 | 137521  | 8.24%  | 0.733% |
| 60 | 12.756 | 1992 | 1996 | 2004 | rVB  | 316288 | 460711  | 27.61% | 2.457% |
| 61 | 12.902 | 2014 | 2020 | 2025 | rVB2 | 69371  | 110427  | 6.62%  | 0.589% |
| 62 | 12.981 | 2025 | 2033 | 2037 | rBV  | 222872 | 285066  | 17.09% | 1.520% |
| 63 | 13.030 | 2037 | 2041 | 2046 | rVB4 | 12528  | 21841   | 1.31%  | 0.116% |
| 64 | 13.085 | 2046 | 2050 | 2056 | rVB3 | 32934  | 51382   | 3.08%  | 0.274% |
| 65 | 13.158 | 2056 | 2062 | 2065 | rBV2 | 18979  | 31802   | 1.91%  | 0.170% |
| 66 | 13.201 | 2065 | 2069 | 2071 | rBV2 | 37225  | 47239   | 2.83%  | 0.252% |
| 67 | 13.231 | 2071 | 2074 | 2083 | rVB  | 179223 | 227315  | 13.62% | 1.212% |
| 68 | 13.353 | 2083 | 2094 | 2100 | rBV2 | 765707 | 1127449 | 67.57% | 6.012% |
| 69 | 13.408 | 2100 | 2103 | 2105 | rBV2 | 16889  | 21606   | 1.29%  | 0.115% |
| 70 | 13.487 | 2112 | 2116 | 2119 | rVB  | 35372  | 44220   | 2.65%  | 0.236% |
| 71 | 13.567 | 2125 | 2129 | 2132 | rBV2 | 33497  | 45506   | 2.73%  | 0.243% |

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Filtering: 5  
 Min Area: 3 % of largest Peak  
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 Peak Location: TOP

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061518W.M  
 Title : SW846 8260

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 13.603 | 2132 | 2135 | 2138 | rVV  | 61993  | 83563  | 5.01%  | 0.446% |
| 73  | 13.646 | 2138 | 2142 | 2146 | rVV2 | 92498  | 146178 | 8.76%  | 0.779% |
| 74  | 13.701 | 2146 | 2151 | 2153 | rVV2 | 61997  | 113339 | 6.79%  | 0.604% |
| 75  | 13.725 | 2153 | 2155 | 2164 | rVB2 | 97275  | 130482 | 7.82%  | 0.696% |
| 76  | 13.811 | 2164 | 2169 | 2172 | rBV  | 23516  | 32587  | 1.95%  | 0.174% |
| 77  | 13.859 | 2172 | 2177 | 2181 | rVB3 | 34397  | 47540  | 2.85%  | 0.254% |
| 78  | 13.914 | 2182 | 2186 | 2191 | rVB  | 71774  | 89196  | 5.35%  | 0.476% |
| 79  | 13.987 | 2191 | 2198 | 2202 | rBV2 | 96510  | 145392 | 8.71%  | 0.775% |
| 80  | 14.036 | 2202 | 2206 | 2209 | rVV  | 30492  | 36804  | 2.21%  | 0.196% |
| 81  | 14.134 | 2218 | 2222 | 2225 | rBV  | 40527  | 53556  | 3.21%  | 0.286% |
| 82  | 14.170 | 2225 | 2228 | 2233 | rVB3 | 19407  | 25121  | 1.51%  | 0.134% |
| 83  | 14.292 | 2241 | 2248 | 2255 | rVB  | 139142 | 246124 | 14.75% | 1.312% |
| 84  | 14.384 | 2259 | 2263 | 2268 | rVV2 | 38061  | 47541  | 2.85%  | 0.254% |
| 85  | 14.432 | 2268 | 2271 | 2276 | rVB2 | 41755  | 53726  | 3.22%  | 0.286% |
| 86  | 14.481 | 2276 | 2279 | 2284 | rVB3 | 19590  | 23438  | 1.40%  | 0.125% |
| 87  | 14.542 | 2284 | 2289 | 2294 | rBV2 | 131573 | 182151 | 10.92% | 0.971% |
| 88  | 14.701 | 2308 | 2315 | 2319 | rBV  | 281087 | 386640 | 23.17% | 2.062% |
| 89  | 14.737 | 2319 | 2321 | 2325 | rVB  | 39325  | 40325  | 2.42%  | 0.215% |
| 90  | 14.841 | 2333 | 2338 | 2344 | rBV  | 418893 | 571473 | 34.25% | 3.047% |
| 91  | 14.908 | 2347 | 2349 | 2353 | rVV4 | 20372  | 25908  | 1.55%  | 0.138% |
| 92  | 14.969 | 2353 | 2359 | 2367 | rVB7 | 9864   | 27071  | 1.62%  | 0.144% |
| 93  | 15.255 | 2401 | 2406 | 2413 | rVV3 | 24668  | 43090  | 2.58%  | 0.230% |
| 94  | 15.450 | 2433 | 2438 | 2441 | rBV  | 29516  | 43501  | 2.61%  | 0.232% |
| 95  | 15.481 | 2441 | 2443 | 2448 | rVB  | 16329  | 20479  | 1.23%  | 0.109% |
| 96  | 15.554 | 2448 | 2455 | 2460 | rBV  | 68305  | 107928 | 6.47%  | 0.576% |
| 97  | 15.694 | 2468 | 2478 | 2481 | rBV  | 88790  | 150709 | 9.03%  | 0.804% |
| 98  | 15.731 | 2481 | 2484 | 2491 | rVB  | 53532  | 79966  | 4.79%  | 0.426% |
| 99  | 15.926 | 2505 | 2516 | 2525 | rVB4 | 22189  | 63582  | 3.81%  | 0.339% |
| 100 | 16.078 | 2536 | 2541 | 2549 | rVB5 | 10184  | 18038  | 1.08%  | 0.096% |

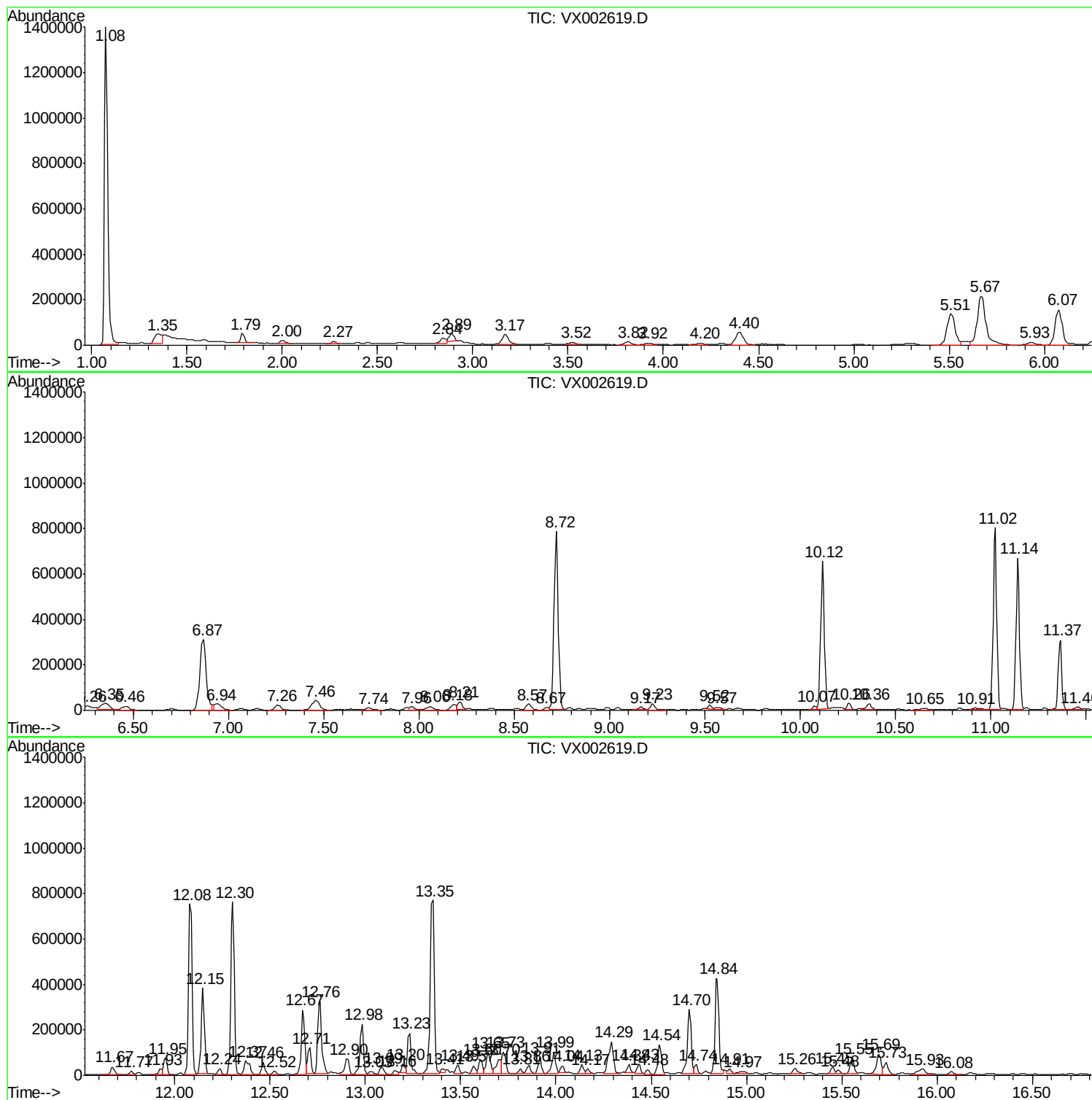
Sum of corrected areas: 18752803

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Instrument :  
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ClientSampleId :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061518W.M  
Quant Title : SW846 8260

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



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Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 28 Sample Multiplier: 1

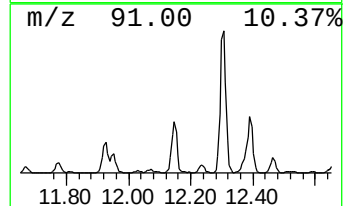
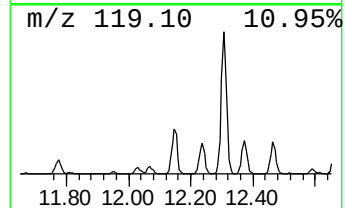
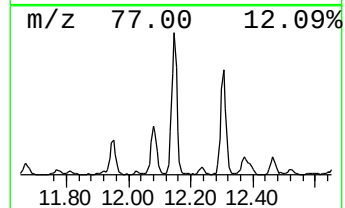
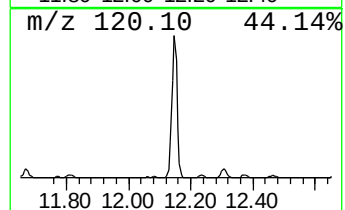
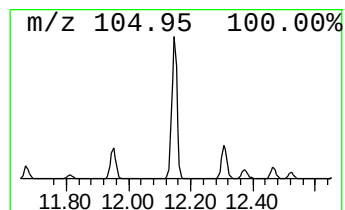
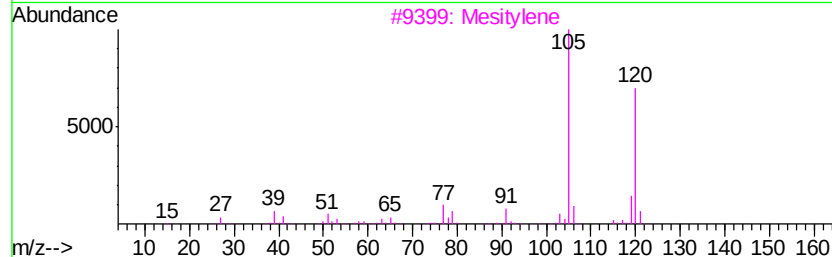
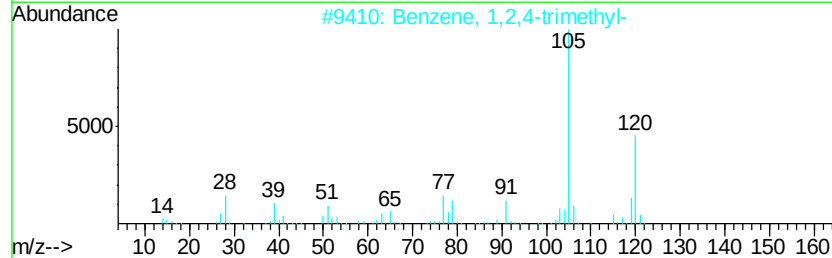
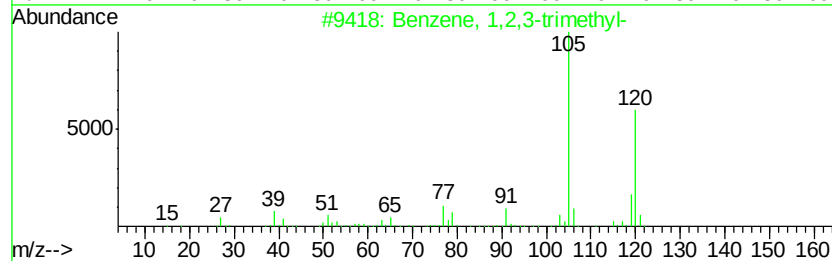
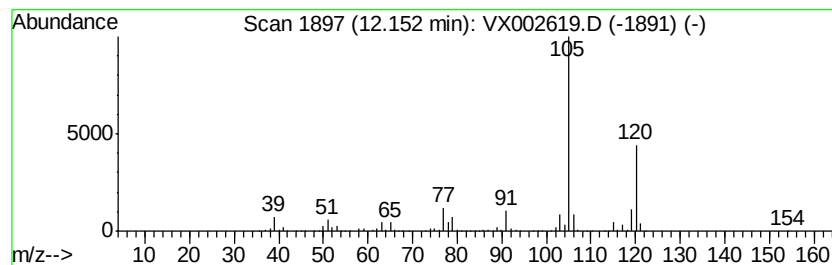
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061518W.M  
Quant Title : SW846 8260

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

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Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 6

| R.T.      | EstConc                    | Area   | Relative to ISTD       | R.T.        |      |
|-----------|----------------------------|--------|------------------------|-------------|------|
| 12.15     | 23.90 ug/l                 | 456784 | 1,4-Dichlorobenzene-d4 | 12.09       |      |
| Hit# of 5 | Tentative ID               | MW     | MolForm                | CAS#        | Qual |
| 1         | Benzene, 1,2,3-trimethyl-  | 120    | C9H12                  | 000526-73-8 | 95   |
| 2         | Benzene, 1,2,4-trimethyl-  | 120    | C9H12                  | 000095-63-6 | 94   |
| 3         | Mesitylene                 | 120    | C9H12                  | 000108-67-8 | 91   |
| 4         | Benzene, 1-ethyl-4-methyl- | 120    | C9H12                  | 000622-96-8 | 90   |
| 5         | Benzene, 1-ethyl-3-methyl- | 120    | C9H12                  | 000620-14-4 | 90   |



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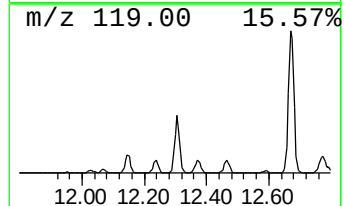
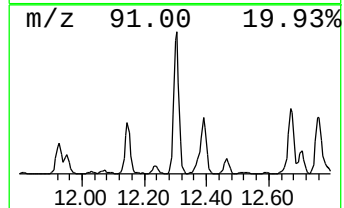
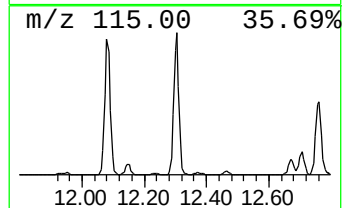
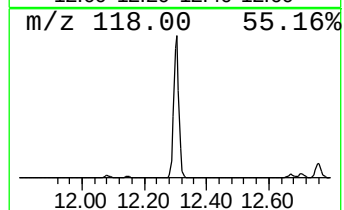
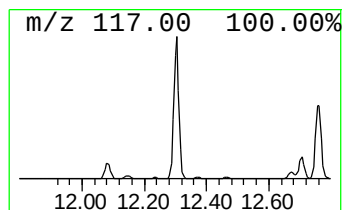
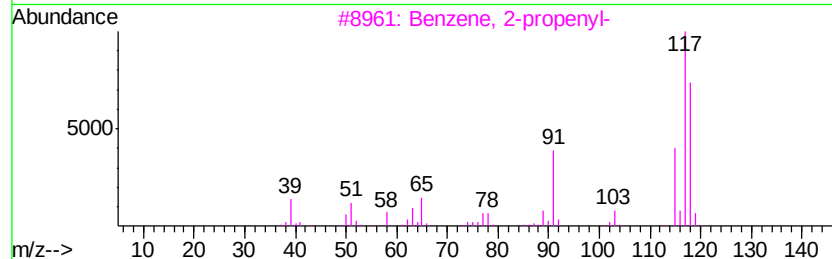
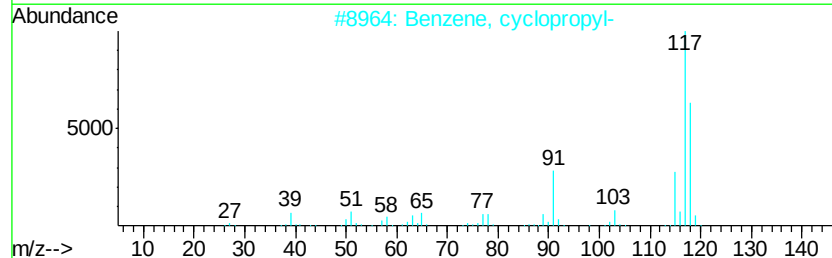
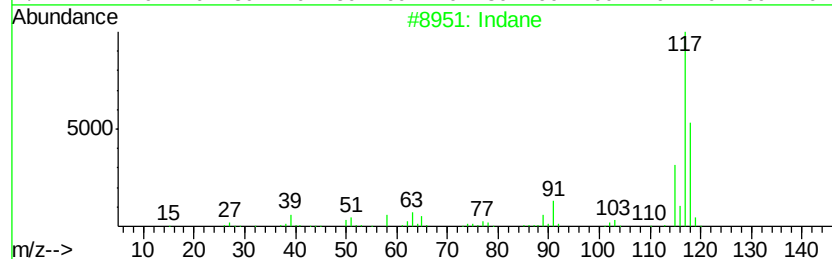
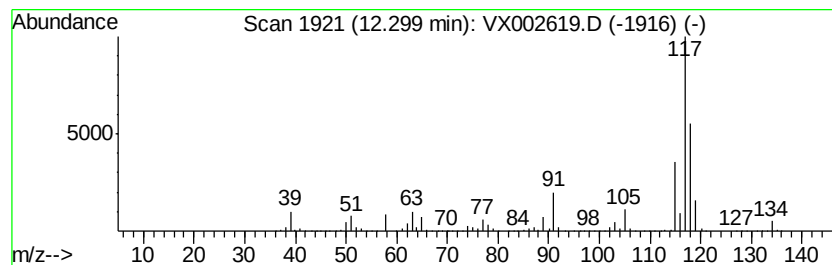
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Indane Concentration Rank 3

| R.T.    | EstConc                      | Area         | Relative to ISTD       | R.T.           |
|---------|------------------------------|--------------|------------------------|----------------|
| 12.30   | 48.94 ug/l                   | 935284       | 1,4-Dichlorobenzene-d4 | 12.09          |
| Hit# of | 5                            | Tentative ID | MW MolForm             | CAS# Qual      |
| 1       | Indane                       |              | 118 C9H10              | 000496-11-7 92 |
| 2       | Benzene, cyclopropyl-        |              | 118 C9H10              | 000873-49-4 76 |
| 3       | Benzene, 2-propenyl-         |              | 118 C9H10              | 000300-57-2 58 |
| 4       | Benzene, 1-ethenyl-2-methyl- |              | 118 C9H10              | 000611-15-4 50 |
| 5       | Deltacyclene                 |              | 118 C9H10              | 007785-10-6 50 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061518\  
Data File : VX002619.D  
Acq On : 16 Jun 2018 01:28  
Operator : JC/MD  
Sample : J3467-07  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 28 Sample Multiplier: 1

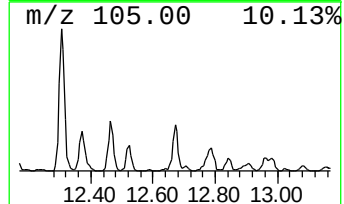
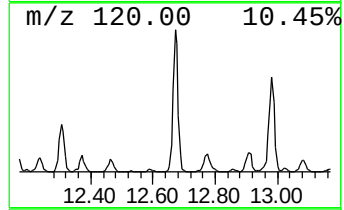
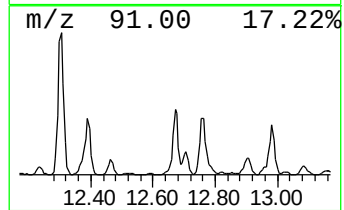
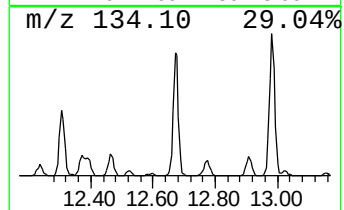
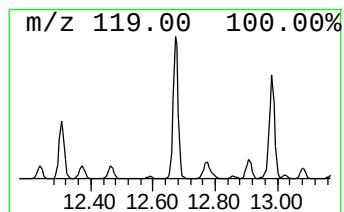
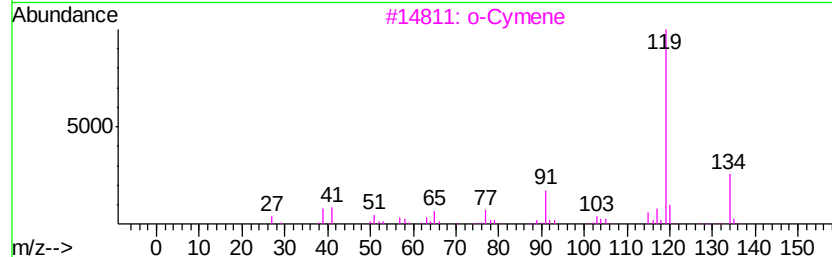
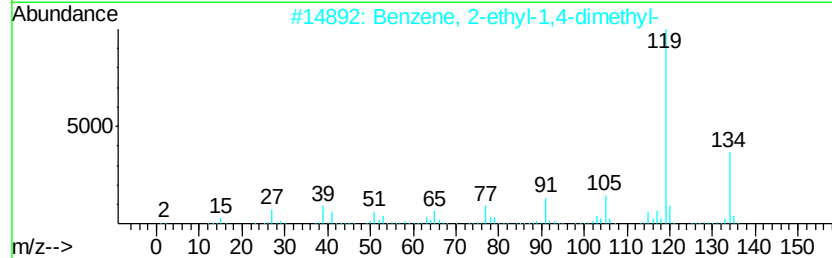
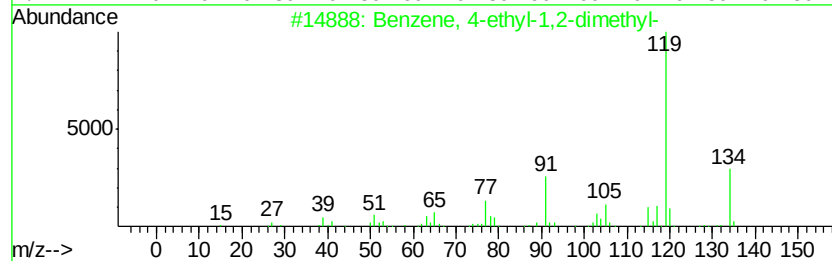
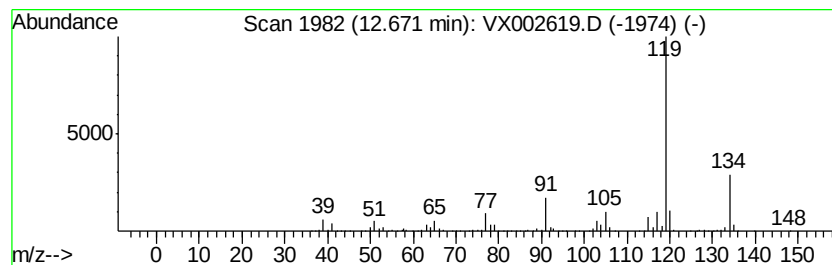
Instrument :  
MSVOA\_X  
ClientSampleId :  
PR-MW-02-061118

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061518W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 8

| R.T.      | EstConc                        | Area   | Relative to ISTD       | R.T.        |      |
|-----------|--------------------------------|--------|------------------------|-------------|------|
| 12.67     | 18.80 ug/l                     | 359270 | 1,4-Dichlorobenzene-d4 | 12.09       |      |
| Hit# of 5 | Tentative ID                   | MW     | MolForm                | CAS#        | Qual |
| 1         | Benzene, 4-ethyl-1,2-dimethyl- | 134    | C10H14                 | 000934-80-5 | 96   |
| 2         | Benzene, 2-ethyl-1,4-dimethyl- | 134    | C10H14                 | 001758-88-9 | 95   |
| 3         | o-Cymene                       | 134    | C10H14                 | 000527-84-4 | 95   |
| 4         | Benzene, 1-ethyl-2,3-dimethyl- | 134    | C10H14                 | 000933-98-2 | 95   |
| 5         | Benzene, 2-ethyl-1,3-dimethyl- | 134    | C10H14                 | 002870-04-4 | 94   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061518\  
Data File : VX002619.D  
Acq On : 16 Jun 2018 01:28  
Operator : JC/MD  
Sample : J3467-07  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
PR-MW-02-061118

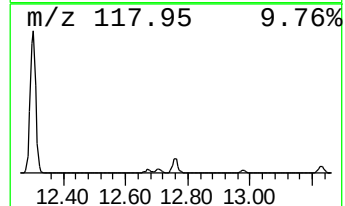
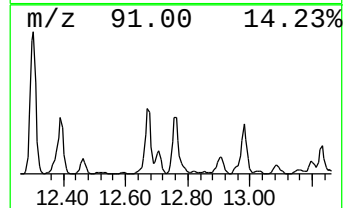
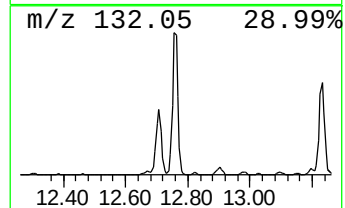
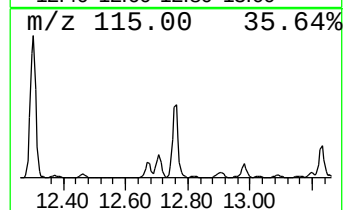
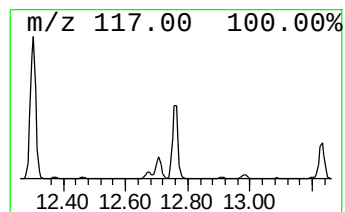
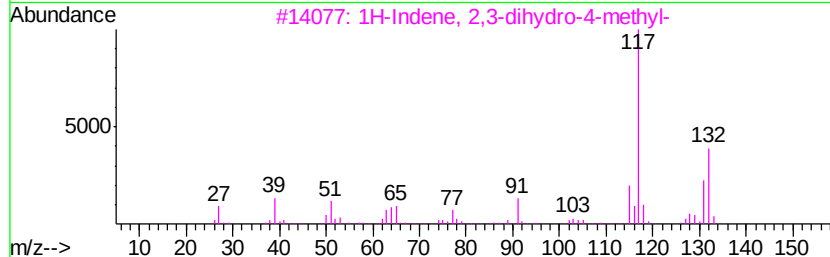
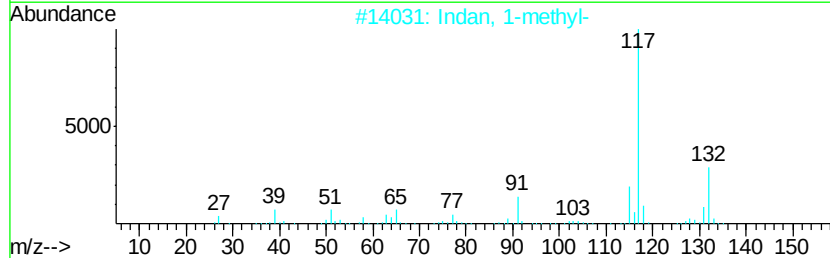
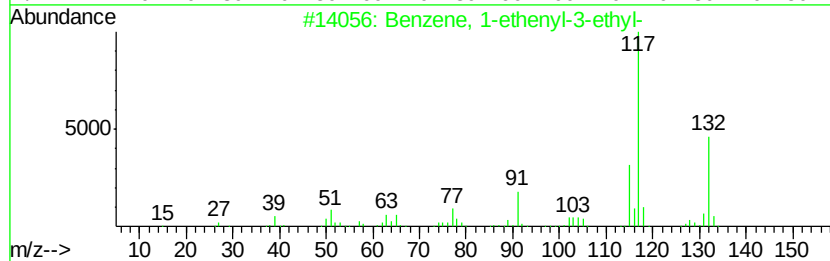
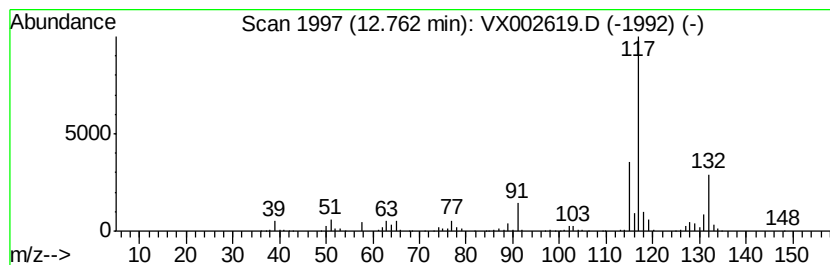
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 12.76 | 24.11 ug/l | 460711 | 1,4-Dichlorobenzene-d4 | 12.09 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethenyl-3-ethyl-      | 132 | C10H12  | 007525-62-4 | 91   |
| 2    |    | Indan, 1-methyl-                 | 132 | C10H12  | 000767-58-8 | 90   |
| 3    |    | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 87   |
| 4    |    | 1-Phenyl-1-butene                | 132 | C10H12  | 000824-90-8 | 87   |
| 5    |    | Benzene, (2-methyl-1-propenyl)-  | 132 | C10H12  | 000768-49-0 | 86   |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061518\  
Data File : VX002619.D  
Acq On : 16 Jun 2018 01:28  
Operator : JC/MD  
Sample : J3467-07  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
PR-MW-02-061118

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061518W.M  
Quant Title : SW846 8260

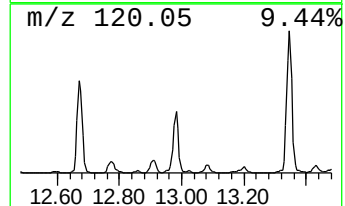
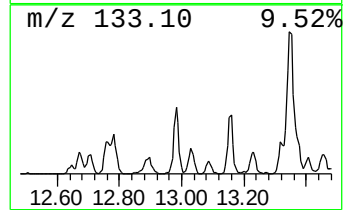
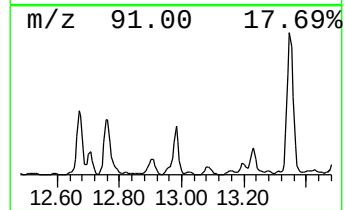
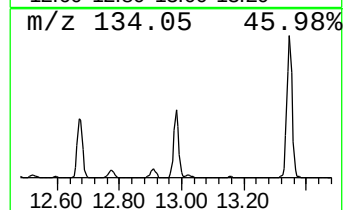
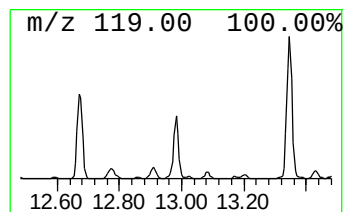
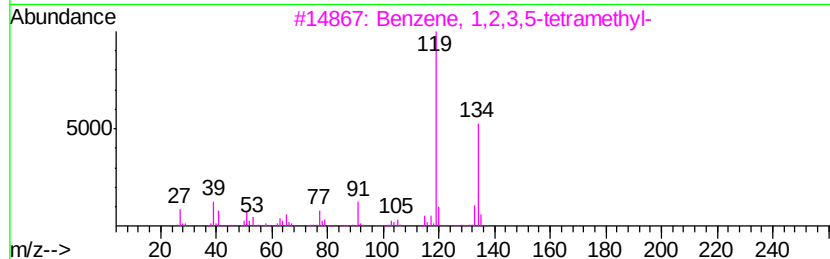
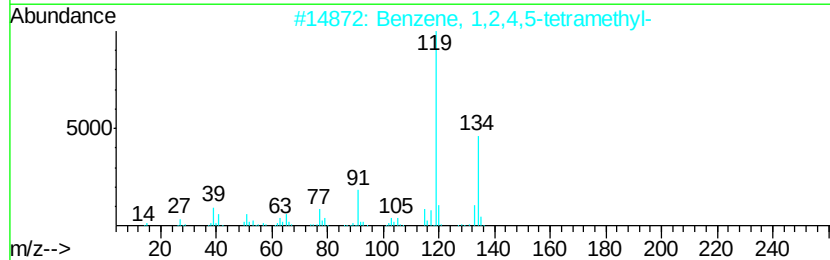
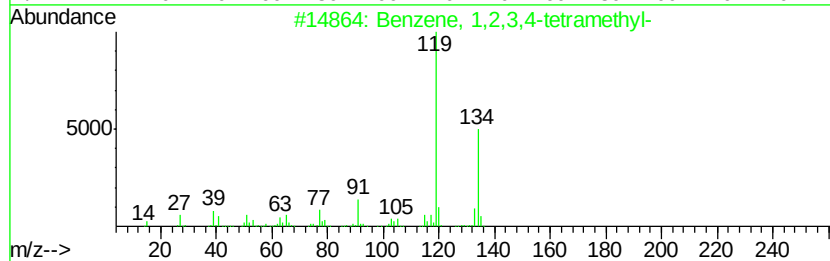
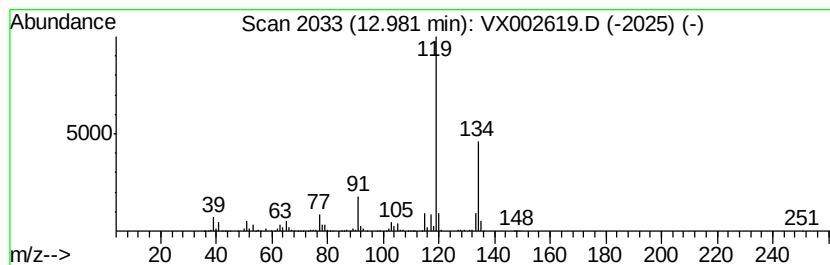
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 12.98 | 14.92 ug/l | 285066 | 1,4-Dichlorobenzene-d4 | 12.09 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 97   |
| 2    |    | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 96   |
| 3    |    | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 95   |
| 4    |    | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 93   |
| 5    |    | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 93   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061518\  
Data File : VX002619.D  
Acq On : 16 Jun 2018 01:28  
Operator : JC/MD  
Sample : J3467-07  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
PR-MW-02-061118

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061518W.M  
Quant Title : SW846 8260

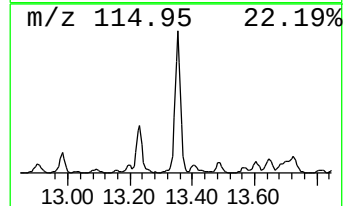
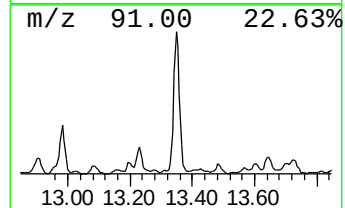
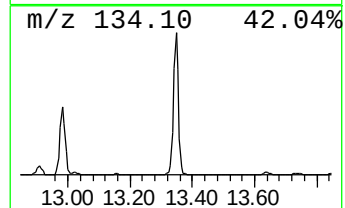
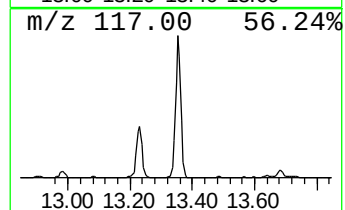
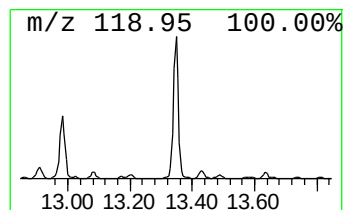
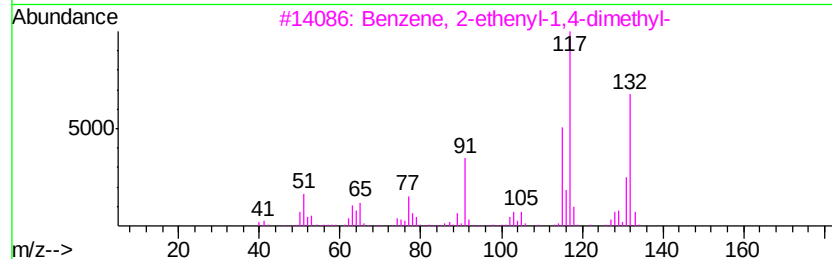
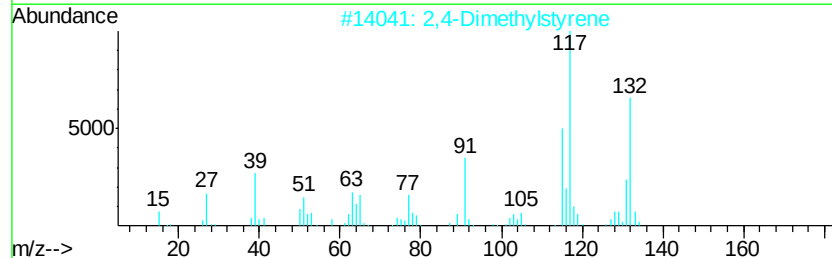
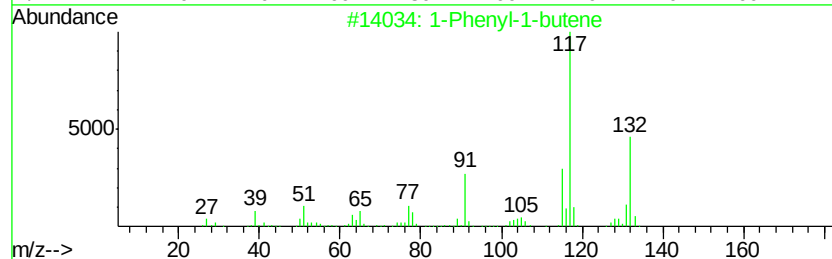
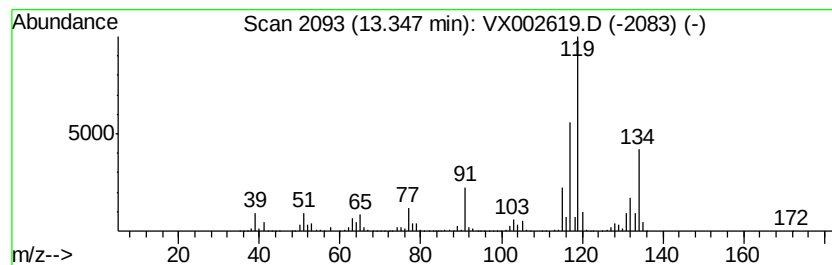
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 1-Phenyl-1-butene Concentration Rank 2

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 13.35 | 59.00 ug/l | 1127450 | 1,4-Dichlorobenzene-d4 | 12.09 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1-Phenyl-1-butene                | 132 | C10H12  | 000824-90-8 | 87   |
| 2    |    | 2,4-Dimethylstyrene              | 132 | C10H12  | 002234-20-0 | 86   |
| 3    |    | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 86   |
| 4    |    | Benzene, 2-butenyl-              | 132 | C10H12  | 001560-06-1 | 70   |
| 5    |    | 3-Phenylbut-1-ene                | 132 | C10H12  | 000934-10-1 | 55   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061518\  
Data File : VX002619.D  
Acq On : 16 Jun 2018 01:28  
Operator : JC/MD  
Sample : J3467-07  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
PR-MW-02-061118

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061518W.M  
Quant Title : SW846 8260

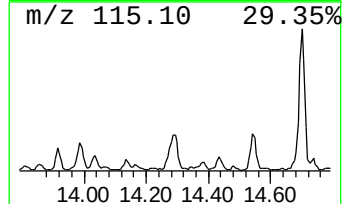
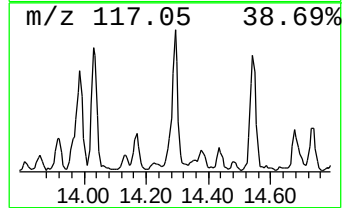
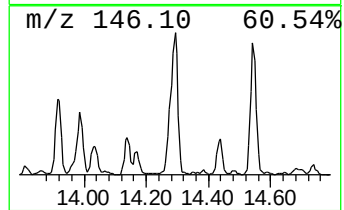
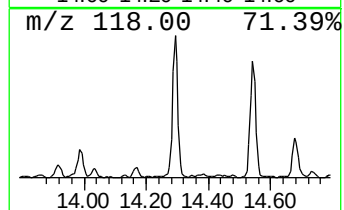
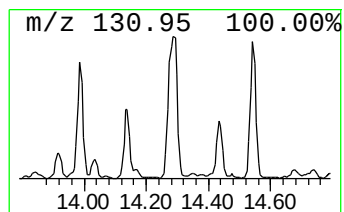
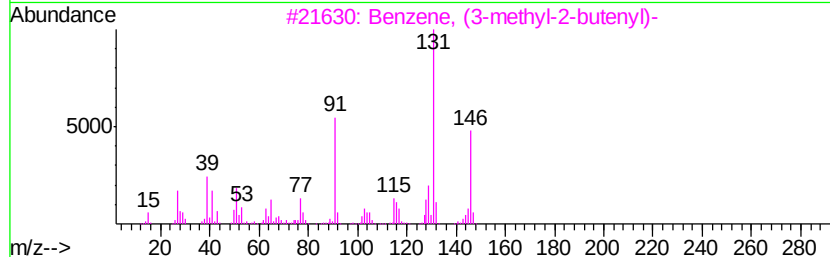
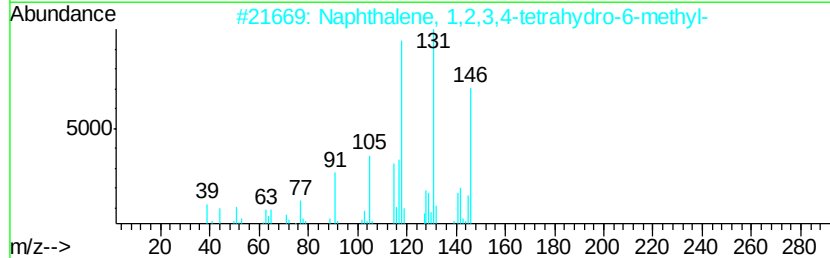
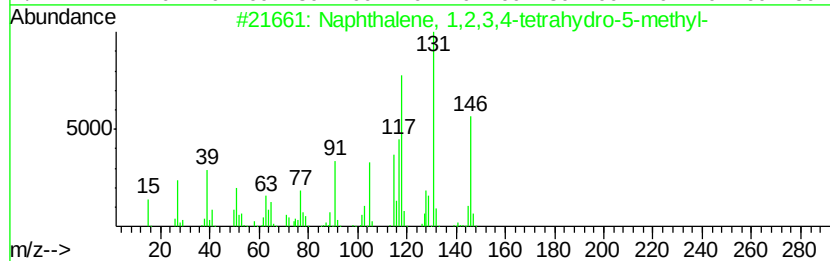
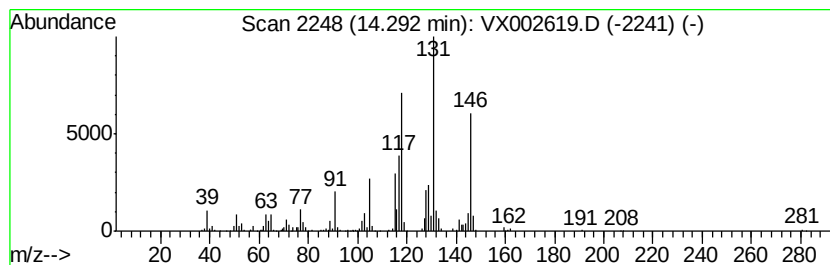
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.29 | 12.88 ug/l | 246124 | 1,4-Dichlorobenzene-d4 | 12.09 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 002809-64-5 | 95   |
| 2    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001680-51-9 | 93   |
| 3    |    | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14  | 004489-84-3 | 78   |
| 4    |    | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14  | 000769-25-5 | 64   |
| 5    |    | 1H-Inden-1-one, 2,3-dihydro-2-me... | 146 | C10H10O | 017496-14-9 | 62   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061518\  
Data File : VX002619.D  
Acq On : 16 Jun 2018 01:28  
Operator : JC/MD  
Sample : J3467-07  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 28 Sample Multiplier: 1

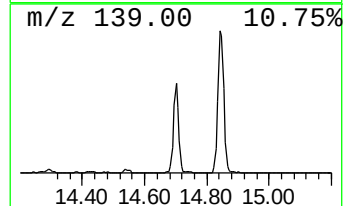
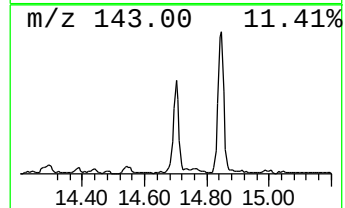
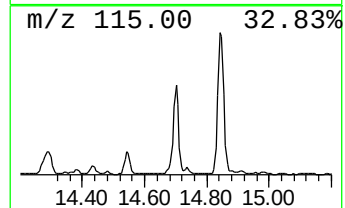
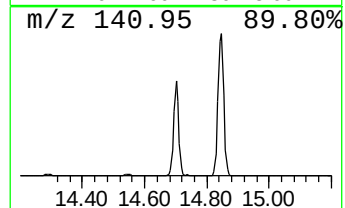
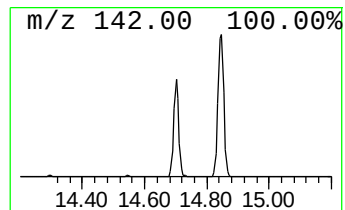
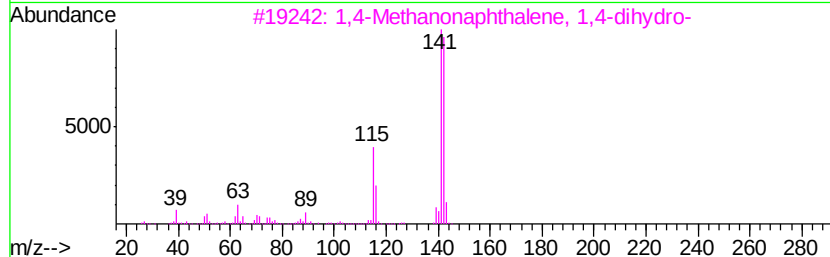
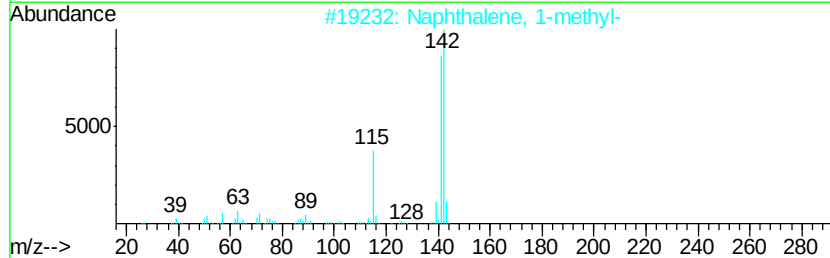
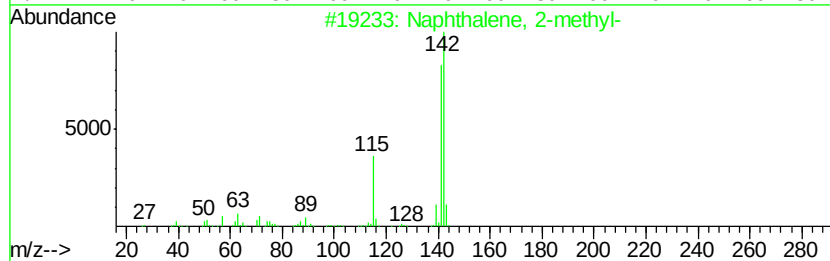
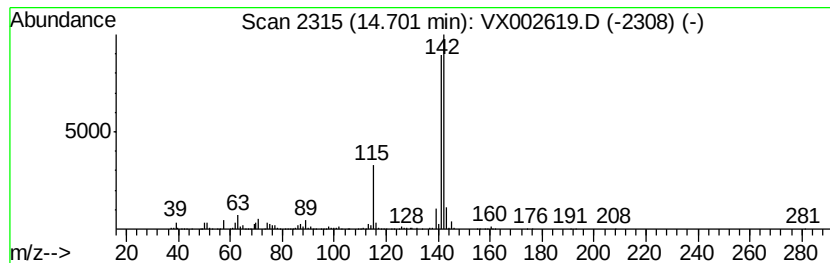
Instrument :  
MSVOA\_X  
ClientSampleId :  
PR-MW-02-061118

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061518W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 7

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 14.70   | 20.23 ug/l | 386640                              | 1,4-Dichlorobenzene-d4 | 12.09          |
| 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-dihv... | 142 C11H10             | 004453-90-1 94 |
| 4       |            | Benzocycloheptatriene               | 142 C11H10             | 000264-09-5 91 |
| 5       |            | 1H-Indene, 1-ethylidene-            | 142 C11H10             | 002471-83-2 80 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX061518\  
Data File : VX002619.D  
Acq On : 16 Jun 2018 01:28  
Operator : JC/MD  
Sample : J3467-07  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
PR-MW-02-061118

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061518W.M  
Quant Title : SW846 8260

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Benzene, 1,2,3-tr... | 12.15 | 23.9    | ug/l  | 456784   | 4                     | 12.09 | 955537 | 50.0 |
| Indane               | 12.30 | 48.9    | ug/l  | 935284   | 4                     | 12.09 | 955537 | 50.0 |
| Benzene, 4-ethyl-... | 12.67 | 18.8    | ug/l  | 359270   | 4                     | 12.09 | 955537 | 50.0 |
| Benzene, 1-etheny... | 12.76 | 24.1    | ug/l  | 460711   | 4                     | 12.09 | 955537 | 50.0 |
| Benzene, 1,2,3,4-... | 12.98 | 14.9    | ug/l  | 285066   | 4                     | 12.09 | 955537 | 50.0 |
| 1-Phenyl-1-butene    | 13.35 | 59.0    | ug/l  | 1127450  | 4                     | 12.09 | 955537 | 50.0 |
| Naphthalene, 1,2,... | 14.29 | 12.9    | ug/l  | 246124   | 4                     | 12.09 | 955537 | 50.0 |
| Naphthalene, 1-me... | 14.70 | 20.2    | ug/l  | 386640   | 4                     | 12.09 | 955537 | 50.0 |