

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\  
 Data File : VX006708.D  
 Acq On : 21 Dec 2018 06:28  
 Operator : JC/MD  
 Sample : J6517-10  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP-121918-01

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\82X121818W.M

Title : SW846 8260

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.318       | 24            | 27          | 33           | rBV      | 43781          | 116110        | 2.23%           | 0.140%        |
| 2         | 1.617       | 68            | 76          | 81           | rVB3     | 61333          | 178442        | 3.42%           | 0.215%        |
| 3         | 1.788       | 100           | 104         | 112          | rVB      | 102622         | 156862        | 3.01%           | 0.189%        |
| 4         | 2.848       | 272           | 278         | 281          | rBV      | 48293          | 107827        | 2.07%           | 0.130%        |
| 5         | 2.891       | 281           | 285         | 298          | rVB2     | 113620         | 234284        | 4.49%           | 0.283%        |
| 6         | 3.171       | 323           | 331         | 341          | rVB      | 108228         | 263097        | 5.04%           | 0.318%        |
| 7         | 4.397       | 523           | 532         | 546          | rVB2     | 169505         | 502007        | 9.62%           | 0.606%        |
| 8         | 5.506       | 700           | 714         | 722          | rBV      | 373219         | 1066324       | 20.44%          | 1.288%        |
| 9         | 5.580       | 722           | 726         | 731          | rVV4     | 58599          | 159409        | 3.06%           | 0.192%        |
| 10        | 5.665       | 731           | 740         | 765          | rVB      | 651377         | 2016725       | 38.66%          | 2.435%        |
| 11        | 5.921       | 776           | 782         | 796          | rVB5     | 24036          | 85562         | 1.64%           | 0.103%        |
| 12        | 6.067       | 796           | 806         | 819          | rBV      | 381005         | 1006201       | 19.29%          | 1.215%        |
| 13        | 6.256       | 828           | 837         | 845          | rBV5     | 39143          | 114392        | 2.19%           | 0.138%        |
| 14        | 6.354       | 845           | 853         | 862          | rVV2     | 46680          | 130754        | 2.51%           | 0.158%        |
| 15        | 6.451       | 862           | 869         | 879          | rVB4     | 43589          | 126018        | 2.42%           | 0.152%        |
| 16        | 6.860       | 925           | 936         | 945          | rBV      | 977679         | 2313877       | 44.36%          | 2.794%        |
| 17        | 7.256       | 990           | 1001        | 1012         | rVB2     | 55207          | 140157        | 2.69%           | 0.169%        |
| 18        | 7.463       | 1022          | 1035        | 1047         | rBV4     | 211438         | 562862        | 10.79%          | 0.680%        |
| 19        | 7.732       | 1072          | 1079        | 1090         | rVB      | 43440          | 86003         | 1.65%           | 0.104%        |
| 20        | 7.957       | 1104          | 1116        | 1122         | rBV4     | 30190          | 100107        | 1.92%           | 0.121%        |
| 21        | 8.213       | 1145          | 1158        | 1163         | rBV2     | 124637         | 288133        | 5.52%           | 0.348%        |
| 22        | 8.573       | 1210          | 1217        | 1225         | rVB      | 79134          | 134896        | 2.59%           | 0.163%        |
| 23        | 8.664       | 1225          | 1232        | 1234         | rBV3     | 49065          | 80535         | 1.54%           | 0.097%        |
| 24        | 8.713       | 1234          | 1240        | 1249         | rVB      | 1992707        | 3097933       | 59.39%          | 3.741%        |
| 25        | 9.219       | 1318          | 1323        | 1334         | rVB2     | 51642          | 90327         | 1.73%           | 0.109%        |
| 26        | 9.621       | 1385          | 1389        | 1393         | rBV2     | 96774          | 132049        | 2.53%           | 0.159%        |
| 27        | 10.115      | 1460          | 1470        | 1475         | rBV      | 1951350        | 2686896       | 51.51%          | 3.244%        |
| 28        | 10.188      | 1475          | 1482        | 1487         | rVV      | 68926          | 151086        | 2.90%           | 0.182%        |
| 29        | 10.371      | 1502          | 1512        | 1516         | rBV3     | 121392         | 327752        | 6.28%           | 0.396%        |
| 30        | 10.512      | 1530          | 1535        | 1542         | rVB      | 137405         | 201950        | 3.87%           | 0.244%        |
| 31        | 10.646      | 1547          | 1557        | 1564         | rBV4     | 253519         | 708912        | 13.59%          | 0.856%        |
| 32        | 10.713      | 1564          | 1568        | 1575         | rVB2     | 82178          | 127682        | 2.45%           | 0.154%        |
| 33        | 10.835      | 1575          | 1588        | 1595         | rBV2     | 687104         | 1140256       | 21.86%          | 1.377%        |
| 34        | 10.914      | 1595          | 1601        | 1607         | rBV3     | 364377         | 580175        | 11.12%          | 0.701%        |

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 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP-121918-01

## 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\82X121818W.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 11.018 | 1613 | 1618 | 1630 | rVV  | 1087566 | 1493055 | 28.62%  | 1.803% |
| 36 | 11.140 | 1632 | 1638 | 1642 | rVV  | 1680345 | 2160067 | 41.41%  | 2.608% |
| 37 | 11.182 | 1642 | 1645 | 1650 | rVV  | 327785  | 434197  | 8.32%   | 0.524% |
| 38 | 11.280 | 1657 | 1661 | 1665 | rVV2 | 272605  | 370103  | 7.10%   | 0.447% |
| 39 | 11.359 | 1669 | 1674 | 1682 | rVV  | 3266032 | 4005829 | 76.80%  | 4.837% |
| 40 | 11.450 | 1684 | 1689 | 1693 | rVB3 | 96163   | 177462  | 3.40%   | 0.214% |
| 41 | 11.578 | 1705 | 1710 | 1714 | rVB3 | 53648   | 89883   | 1.72%   | 0.109% |
| 42 | 11.670 | 1719 | 1725 | 1732 | rBV2 | 482714  | 680762  | 13.05%  | 0.822% |
| 43 | 11.767 | 1732 | 1741 | 1745 | rBV  | 204562  | 288872  | 5.54%   | 0.349% |
| 44 | 11.920 | 1757 | 1766 | 1768 | rBV  | 694728  | 1034346 | 19.83%  | 1.249% |
| 45 | 11.944 | 1768 | 1770 | 1775 | rVB  | 1183080 | 1305334 | 25.03%  | 1.576% |
| 46 | 12.078 | 1787 | 1792 | 1797 | rBV  | 2184565 | 2698741 | 51.74%  | 3.259% |
| 47 | 12.231 | 1813 | 1817 | 1823 | rVB  | 456083  | 556996  | 10.68%  | 0.673% |
| 48 | 12.298 | 1823 | 1828 | 1835 | rBV  | 4179864 | 5215939 | 100.00% | 6.298% |
| 49 | 12.371 | 1835 | 1840 | 1841 | rVV2 | 891703  | 1171575 | 22.46%  | 1.415% |
| 50 | 12.383 | 1841 | 1842 | 1849 | rVB  | 938155  | 930765  | 17.84%  | 1.124% |
| 51 | 12.462 | 1849 | 1855 | 1860 | rBV  | 668160  | 860341  | 16.49%  | 1.039% |
| 52 | 12.523 | 1860 | 1865 | 1870 | rBV3 | 56688   | 86592   | 1.66%   | 0.105% |
| 53 | 12.670 | 1879 | 1889 | 1891 | rBV  | 1556355 | 2062113 | 39.53%  | 2.490% |
| 54 | 12.700 | 1891 | 1894 | 1899 | rVV  | 1199033 | 1620265 | 31.06%  | 1.956% |
| 55 | 12.755 | 1899 | 1903 | 1910 | rVV2 | 2758868 | 4786415 | 91.77%  | 5.780% |
| 56 | 12.816 | 1910 | 1913 | 1919 | rVV2 | 181268  | 290480  | 5.57%   | 0.351% |
| 57 | 12.895 | 1919 | 1926 | 1931 | rVB2 | 662773  | 994205  | 19.06%  | 1.201% |
| 58 | 12.975 | 1931 | 1939 | 1944 | rBV  | 2813522 | 3824559 | 73.32%  | 4.618% |
| 59 | 13.023 | 1944 | 1947 | 1952 | rVB3 | 107673  | 150112  | 2.88%   | 0.181% |
| 60 | 13.078 | 1952 | 1956 | 1963 | rVB2 | 354752  | 527594  | 10.12%  | 0.637% |
| 61 | 13.151 | 1963 | 1968 | 1972 | rBV2 | 342880  | 511357  | 9.80%   | 0.617% |
| 62 | 13.194 | 1972 | 1975 | 1977 | rVV2 | 568431  | 681650  | 13.07%  | 0.823% |
| 63 | 13.225 | 1977 | 1980 | 1990 | rVB  | 1039941 | 1410525 | 27.04%  | 1.703% |
| 64 | 13.310 | 1990 | 1994 | 1996 | rBV3 | 135202  | 187357  | 3.59%   | 0.226% |
| 65 | 13.346 | 1996 | 2000 | 2006 | rVV2 | 2485396 | 3441580 | 65.98%  | 4.156% |
| 66 | 13.401 | 2006 | 2009 | 2011 | rVV2 | 196984  | 272254  | 5.22%   | 0.329% |
| 67 | 13.426 | 2011 | 2013 | 2016 | rVV  | 256740  | 286381  | 5.49%   | 0.346% |
| 68 | 13.481 | 2019 | 2022 | 2028 | rVB  | 298074  | 371905  | 7.13%   | 0.449% |
| 69 | 13.566 | 2031 | 2036 | 2038 | rBV2 | 274065  | 374599  | 7.18%   | 0.452% |
| 70 | 13.602 | 2038 | 2042 | 2045 | rVV  | 422900  | 634063  | 12.16%  | 0.766% |
| 71 | 13.639 | 2045 | 2048 | 2052 | rVV2 | 853802  | 1199904 | 23.00%  | 1.449% |

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Instrument :  
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 ClientSampleId :  
 DUP-121918-01

## 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\82X121818W.M  
 Title : SW846 8260

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 13.700 | 2052 | 2058 | 2059 | rVV2 | 519541  | 885851  | 16.98% | 1.070% |
| 73  | 13.718 | 2059 | 2061 | 2070 | rVB2 | 771202  | 1141852 | 21.89% | 1.379% |
| 74  | 13.810 | 2070 | 2076 | 2079 | rBV  | 220351  | 291986  | 5.60%  | 0.353% |
| 75  | 13.852 | 2079 | 2083 | 2088 | rVB2 | 153309  | 217616  | 4.17%  | 0.263% |
| 76  | 13.913 | 2088 | 2093 | 2097 | rVB  | 840199  | 1032890 | 19.80% | 1.247% |
| 77  | 13.987 | 2097 | 2105 | 2109 | rBV2 | 689260  | 1035044 | 19.84% | 1.250% |
| 78  | 14.029 | 2109 | 2112 | 2116 | rVV  | 225934  | 290244  | 5.56%  | 0.350% |
| 79  | 14.133 | 2124 | 2129 | 2132 | rBV  | 249384  | 337693  | 6.47%  | 0.408% |
| 80  | 14.163 | 2132 | 2134 | 2137 | rVB  | 111345  | 111706  | 2.14%  | 0.135% |
| 81  | 14.273 | 2147 | 2152 | 2161 | rVB2 | 589402  | 948927  | 18.19% | 1.146% |
| 82  | 14.377 | 2165 | 2169 | 2174 | rVV  | 247062  | 308173  | 5.91%  | 0.372% |
| 83  | 14.432 | 2174 | 2178 | 2182 | rVB  | 311984  | 377141  | 7.23%  | 0.455% |
| 84  | 14.474 | 2182 | 2185 | 2190 | rVB  | 122223  | 158255  | 3.03%  | 0.191% |
| 85  | 14.541 | 2190 | 2196 | 2201 | rBV2 | 1264333 | 1627783 | 31.21% | 1.966% |
| 86  | 14.675 | 2208 | 2218 | 2224 | rBV4 | 281492  | 572142  | 10.97% | 0.691% |
| 87  | 14.730 | 2224 | 2227 | 2232 | rVB2 | 250460  | 306430  | 5.87%  | 0.370% |
| 88  | 14.840 | 2240 | 2245 | 2250 | rBV  | 2078376 | 2752663 | 52.77% | 3.324% |
| 89  | 14.907 | 2253 | 2256 | 2260 | rVB2 | 136450  | 179401  | 3.44%  | 0.217% |
| 90  | 14.968 | 2260 | 2266 | 2267 | rBV3 | 65847   | 102407  | 1.96%  | 0.124% |
| 91  | 15.249 | 2305 | 2312 | 2320 | rBV  | 186105  | 333418  | 6.39%  | 0.403% |
| 92  | 15.444 | 2339 | 2344 | 2347 | rBV  | 97866   | 147741  | 2.83%  | 0.178% |
| 93  | 15.480 | 2347 | 2350 | 2354 | rVV  | 126318  | 174603  | 3.35%  | 0.211% |
| 94  | 15.547 | 2354 | 2361 | 2366 | rVV  | 490367  | 772711  | 14.81% | 0.933% |
| 95  | 15.602 | 2366 | 2370 | 2375 | rVV2 | 50535   | 87103   | 1.67%  | 0.105% |
| 96  | 15.687 | 2376 | 2384 | 2388 | rVV  | 647607  | 1080899 | 20.72% | 1.305% |
| 97  | 15.724 | 2388 | 2390 | 2398 | rVB  | 165685  | 240466  | 4.61%  | 0.290% |
| 98  | 15.809 | 2398 | 2404 | 2410 | rBV2 | 43659   | 88224   | 1.69%  | 0.107% |
| 99  | 15.919 | 2410 | 2422 | 2433 | rVB  | 238794  | 627378  | 12.03% | 0.758% |
| 100 | 16.072 | 2441 | 2447 | 2458 | rVB  | 101107  | 180067  | 3.45%  | 0.217% |

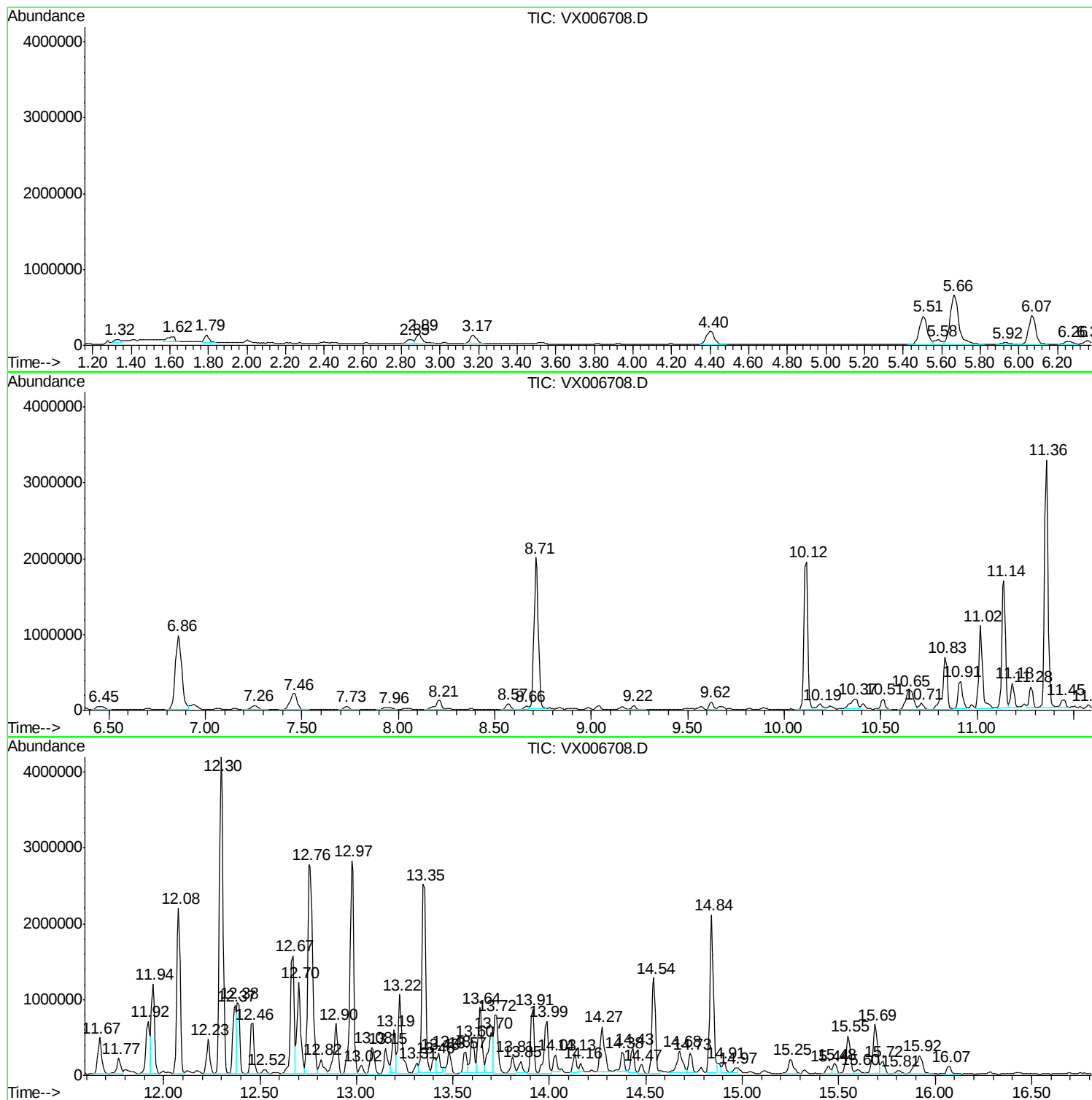
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MSVOA\_X  
ClientSampleId :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X121818W.M  
Quant Title : SW846 8260

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



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Instrument :  
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ClientSampleId :  
DUP-121918-01

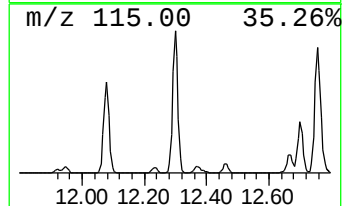
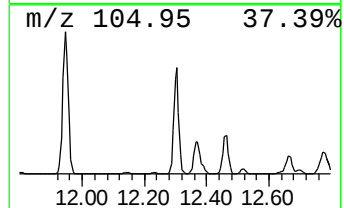
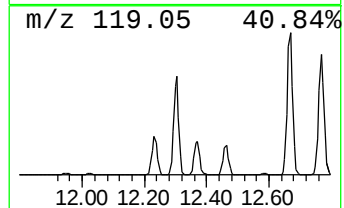
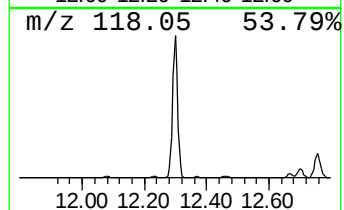
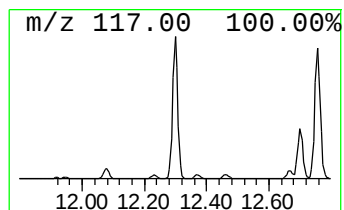
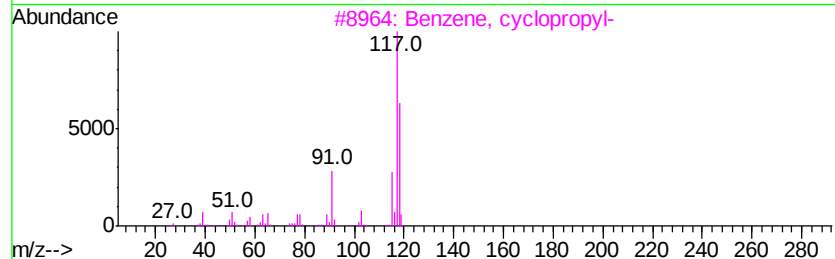
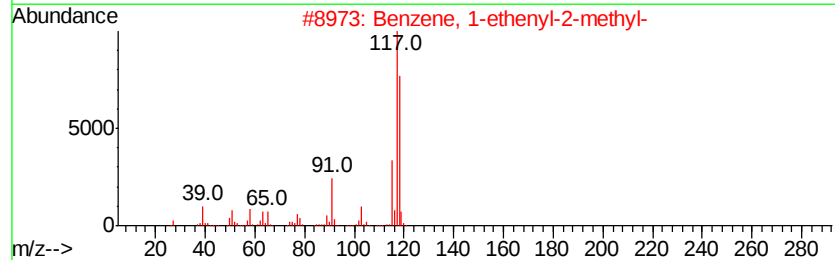
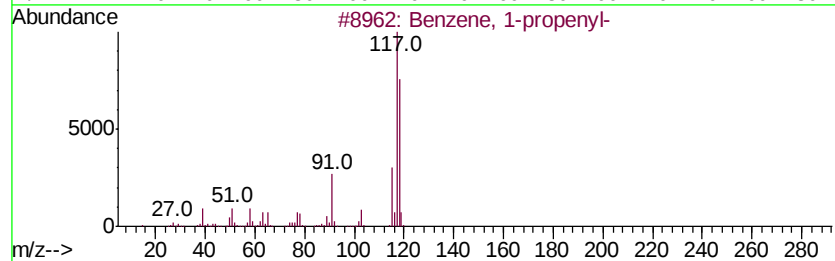
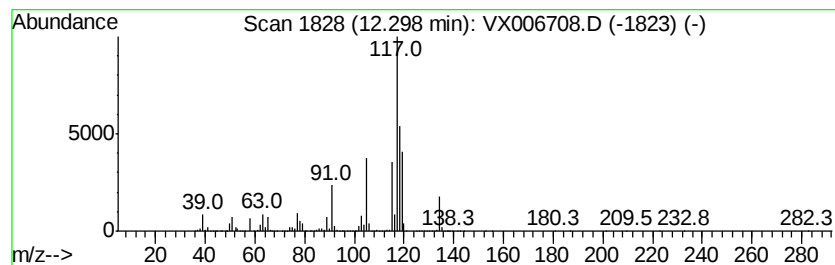
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121818W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 1 Benzene, 1-propenyl- Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 12.30 | 96.64 ug/l | 5215940 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-propenyl-         | 118 | C9H10   | 000637-50-3 | 90   |
| 2    |    | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10   | 000611-15-4 | 87   |
| 3    |    | Benzene, cyclopropyl-        | 118 | C9H10   | 000873-49-4 | 87   |
| 4    |    | Benzene, 2-propenyl-         | 118 | C9H10   | 000300-57-2 | 55   |
| 5    |    | Indane                       | 118 | C9H10   | 000496-11-7 | 55   |



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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121818W.M  
Quant Title : SW846 8260

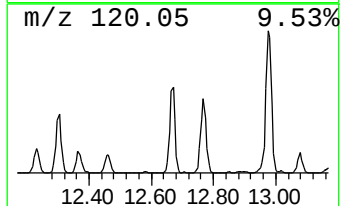
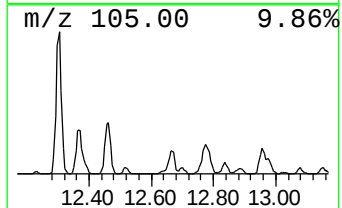
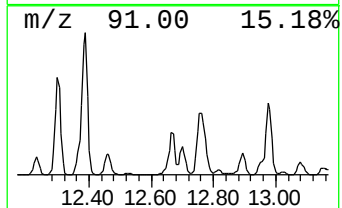
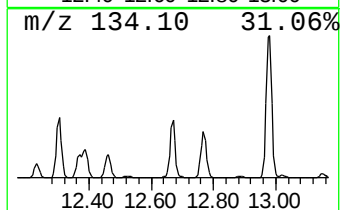
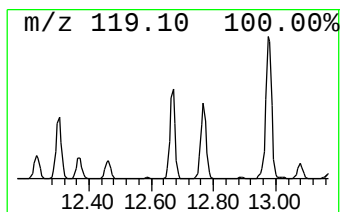
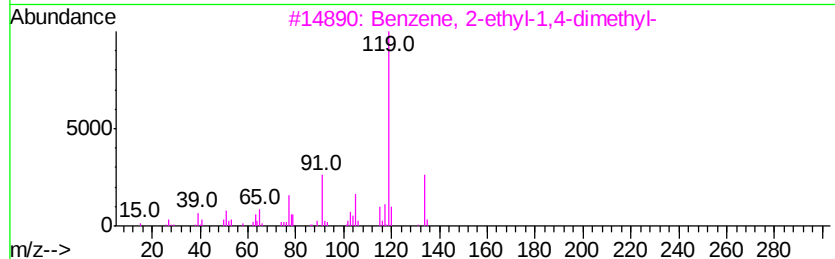
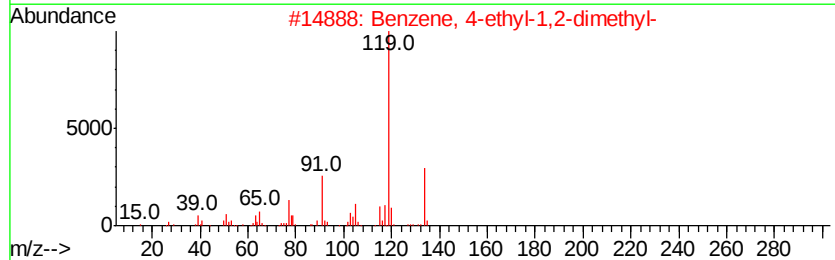
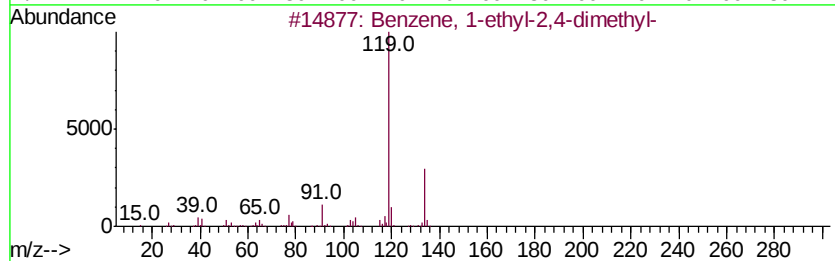
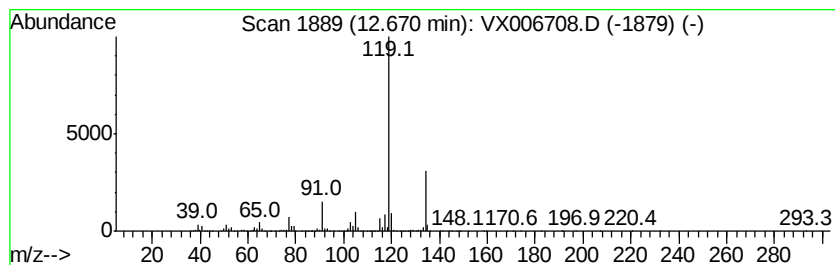
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 6

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 12.67 | 38.21 ug/l | 2062110 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 97   |
| 2    |    | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 96   |
| 3    |    | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 96   |
| 4    |    | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 96   |
| 5    |    | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14  | 002870-04-4 | 95   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\  
Data File : VX006708.D  
Acq On : 21 Dec 2018 06:28  
Operator : JC/MD  
Sample : J6517-10  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleID :  
DUP-121918-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121818W.M  
Quant Title : SW846 8260

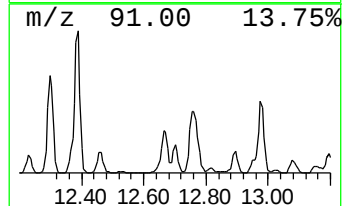
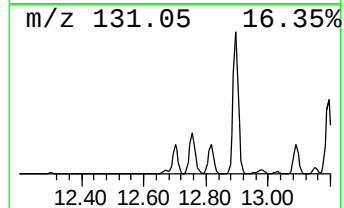
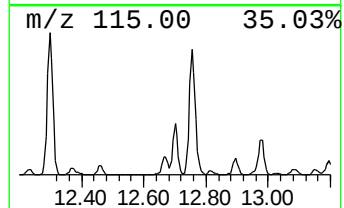
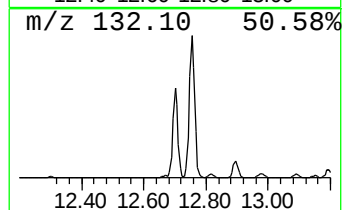
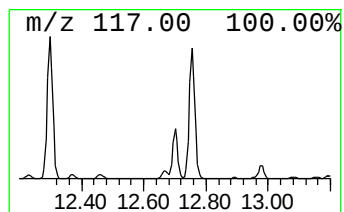
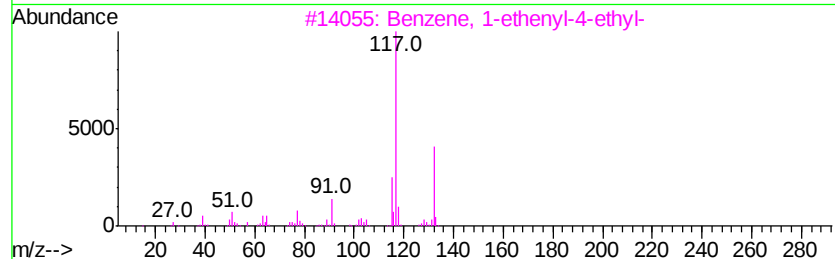
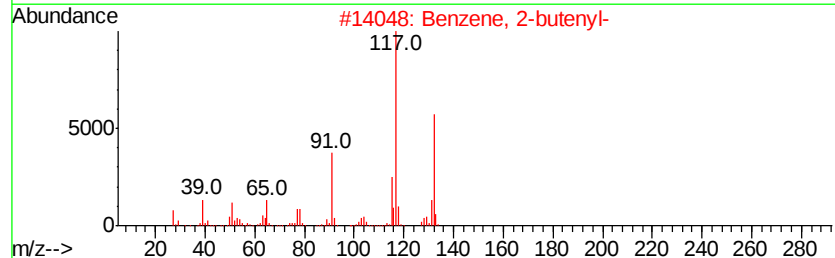
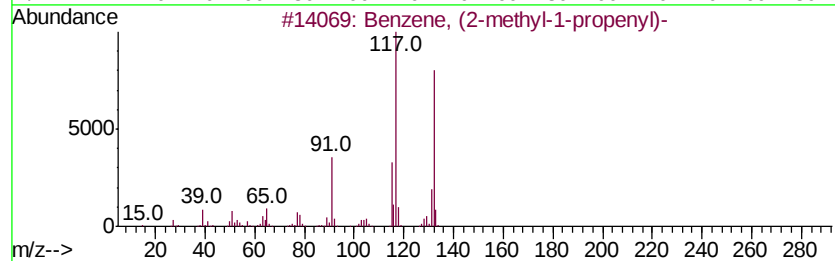
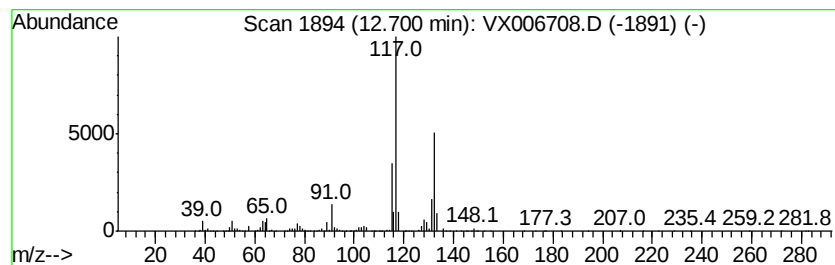
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Benzene, (2-methyl-1-propenyl) Concentration Rank 8

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 12.70 | 30.02 ug/l | 1620270 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12  | 000768-49-0 | 91   |
| 2    |    | Benzene, 2-butenyl-             | 132 | C10H12  | 001560-06-1 | 90   |
| 3    |    | Benzene, 1-ethenyl-4-ethyl-     | 132 | C10H12  | 003454-07-7 | 90   |
| 4    |    | Benzene, (2-methyl-2-propenyl)- | 132 | C10H12  | 003290-53-7 | 90   |
| 5    |    | 1-Phenyl-1-butene               | 132 | C10H12  | 000824-90-8 | 90   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122018\  
Data File : VX006708.D  
Acq On : 21 Dec 2018 06:28  
Operator : JC/MD  
Sample : J6517-10  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP-121918-01

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X121818W.M  
Quant Title : SW846 8260

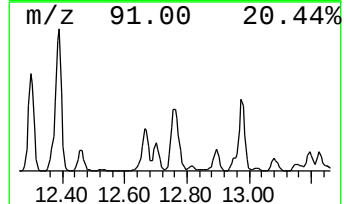
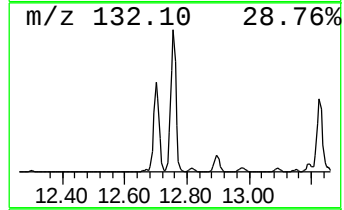
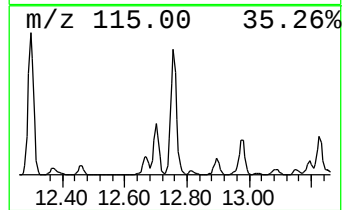
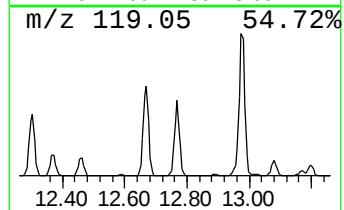
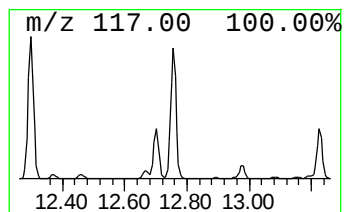
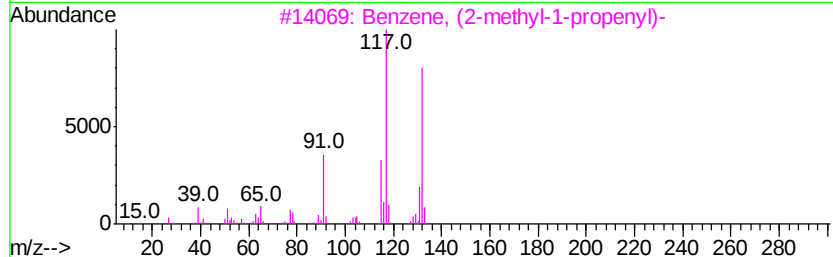
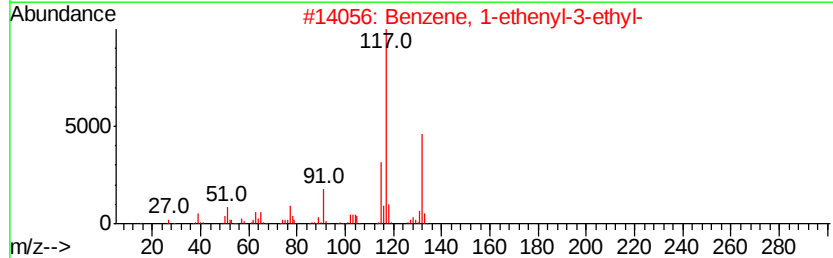
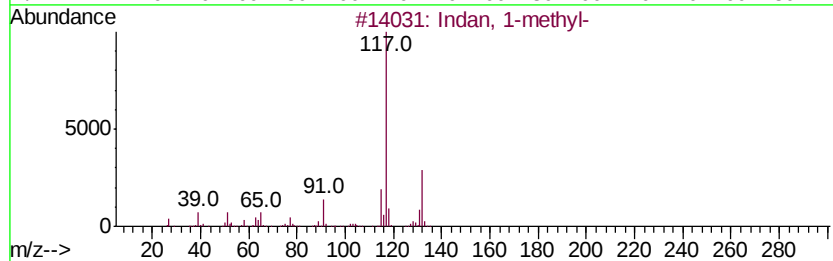
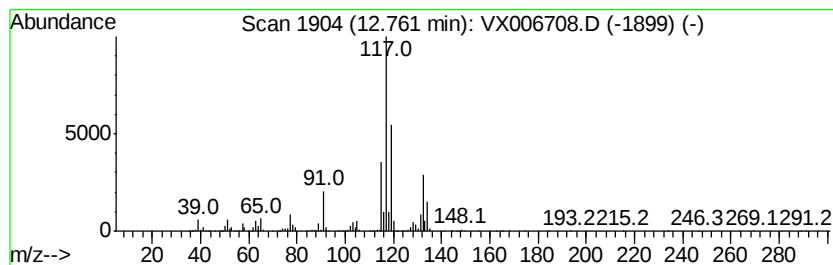
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Indan, 1-methyl- Concentration Rank 2

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 12.76 | 88.68 ug/l | 4786420 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of | 5                               | Tentative ID | MW     | MolForm     | CAS# | Qual |
|---------|---------------------------------|--------------|--------|-------------|------|------|
| 1       | Indan, 1-methyl-                | 132          | C10H12 | 000767-58-8 | 93   |      |
| 2       | Benzene, 1-ethenyl-3-ethyl-     | 132          | C10H12 | 007525-62-4 | 87   |      |
| 3       | Benzene, (2-methyl-1-propenyl)- | 132          | C10H12 | 000768-49-0 | 87   |      |
| 4       | Benzene, (2-methyl-2-propenyl)- | 132          | C10H12 | 003290-53-7 | 86   |      |
| 5       | Benzene, 2-butenyl-             | 132          | C10H12 | 001560-06-1 | 83   |      |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122018\  
Data File : VX006708.D  
Acq On : 21 Dec 2018 06:28  
Operator : JC/MD  
Sample : J6517-10  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 50 Sample Multiplier: 1

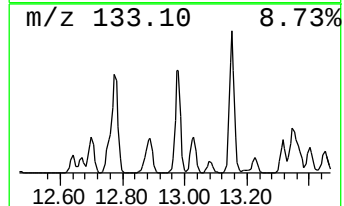
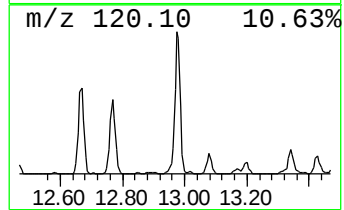
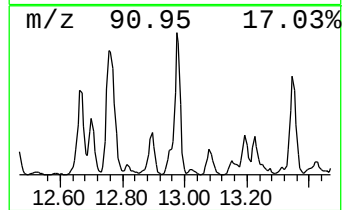
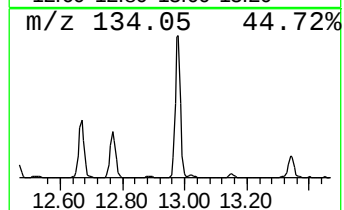
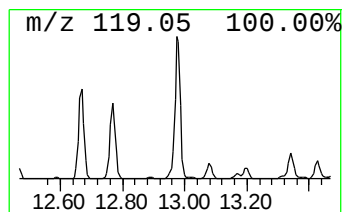
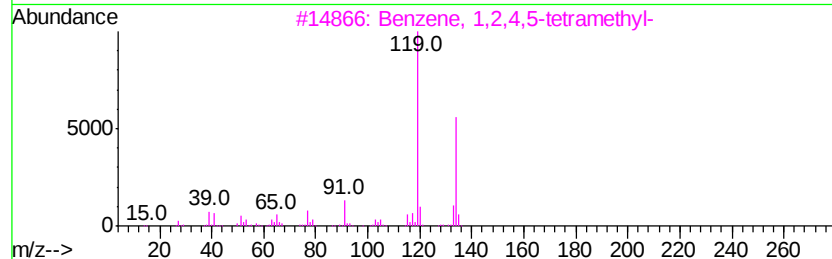
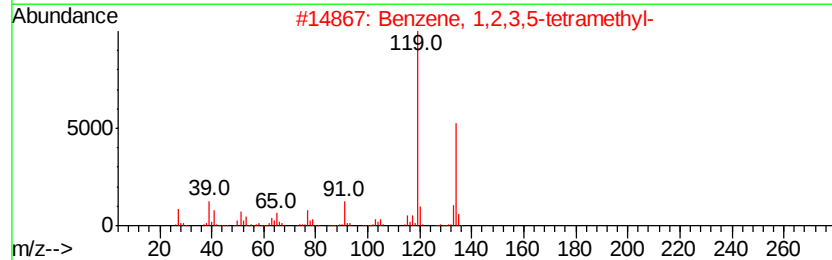
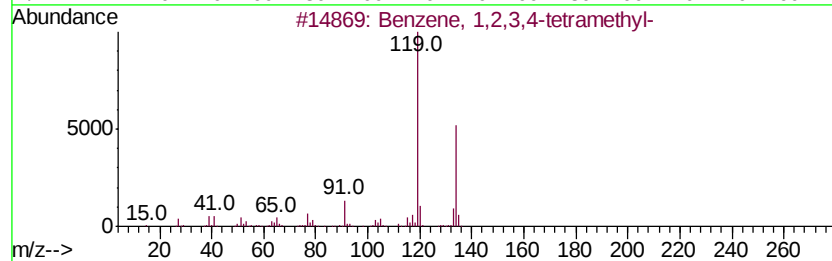
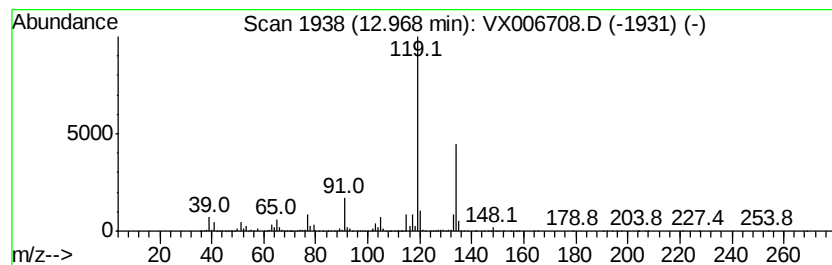
Instrument :  
MSVOA\_X  
ClientSampleID :  
DUP-121918-01

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X121818W.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 3

| R.T.    | EstConc                        | Area         | Relative to ISTD       | R.T.      |
|---------|--------------------------------|--------------|------------------------|-----------|
| 12.97   | 70.86 ug/l                     | 3824560      | 1,4-Dichlorobenzene-d4 | 12.08     |
| 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            | 97        |
| 4       | o-Cymene                       | 134 C10H14   | 000527-84-4            | 95        |
| 5       | Benzene, 1-ethyl-2,4-dimethyl- | 134 C10H14   | 000874-41-9            | 93        |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122018\  
Data File : VX006708.D  
Acq On : 21 Dec 2018 06:28  
Operator : JC/MD  
Sample : J6517-10  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP-121918-01

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X121818W.M  
Quant Title : SW846 8260

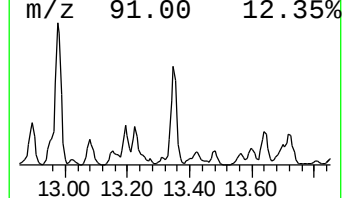
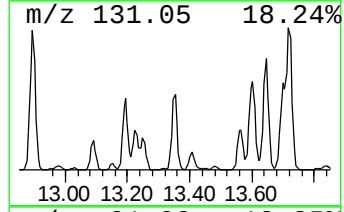
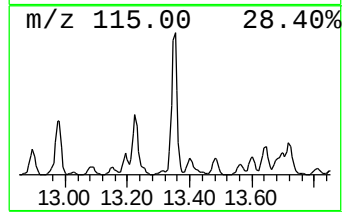
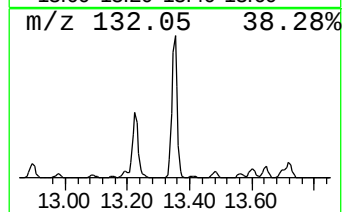
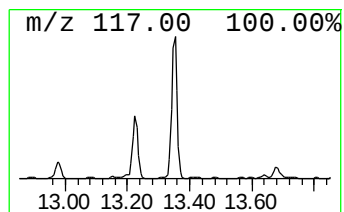
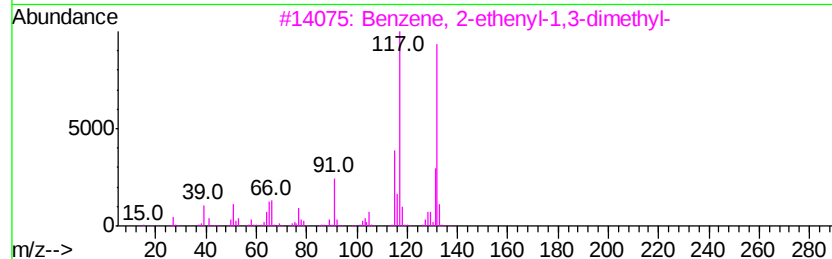
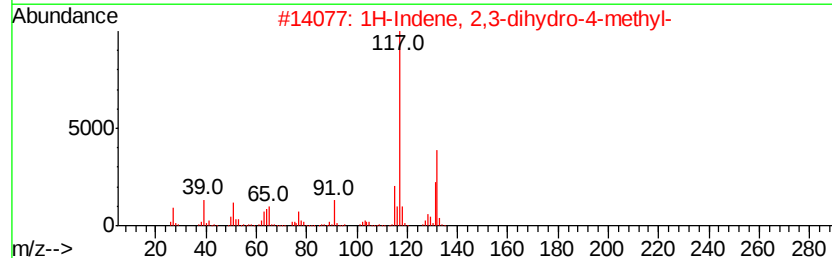
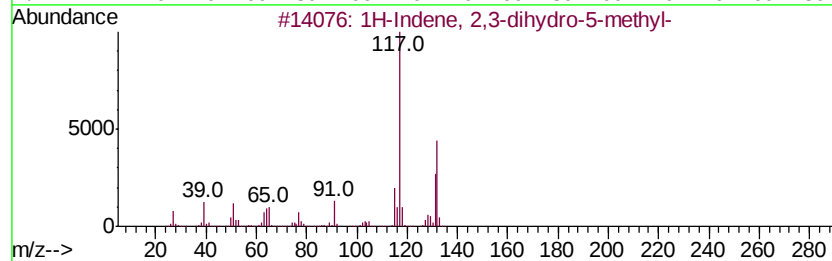
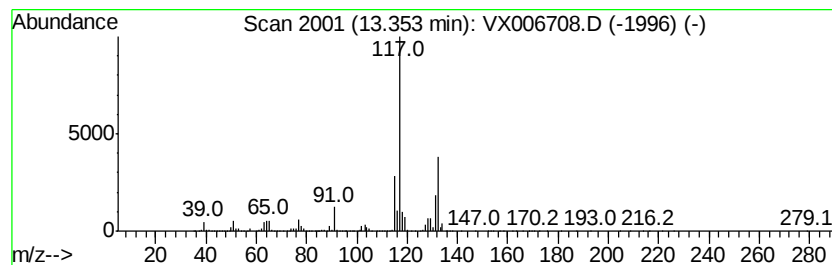
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 4

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 13.35 | 63.76 ug/l | 3441580 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12  | 000874-35-1 | 87   |
| 2    |    | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 76   |
| 3    |    | Benzene, 2-ethenyl-1,3-dimethyl- | 132 | C10H12  | 002039-90-9 | 76   |
| 4    |    | Benzene, 2-butenyl-              | 132 | C10H12  | 001560-06-1 | 72   |
| 5    |    | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 70   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\  
Data File : VX006708.D  
Acq On : 21 Dec 2018 06:28  
Operator : JC/MD  
Sample : J6517-10  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP-121918-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121818W.M  
Quant Title : SW846 8260

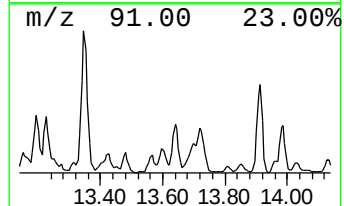
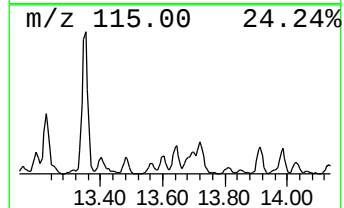
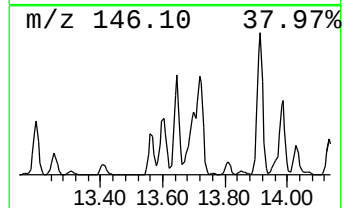
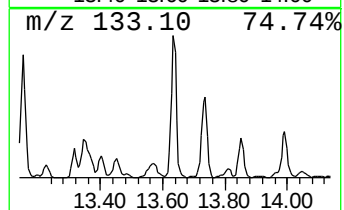
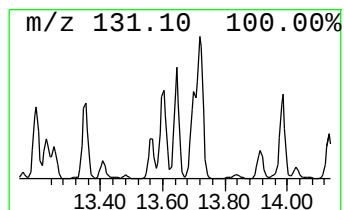
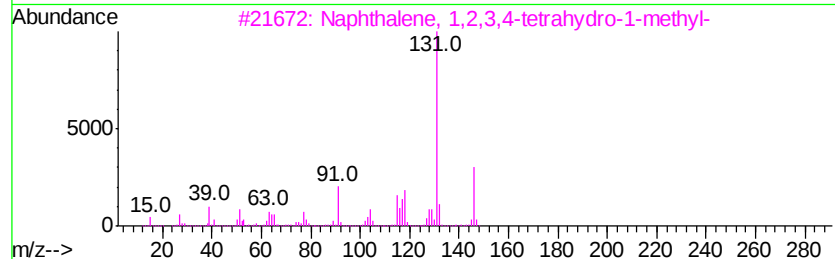
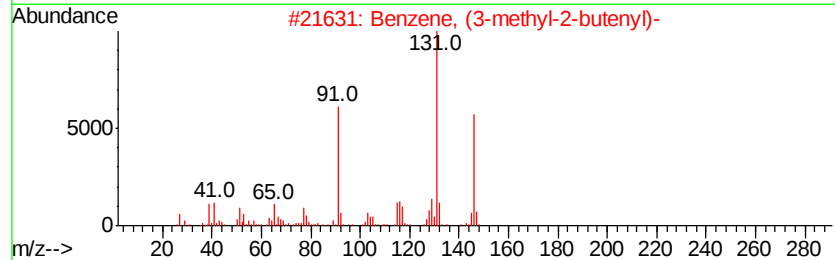
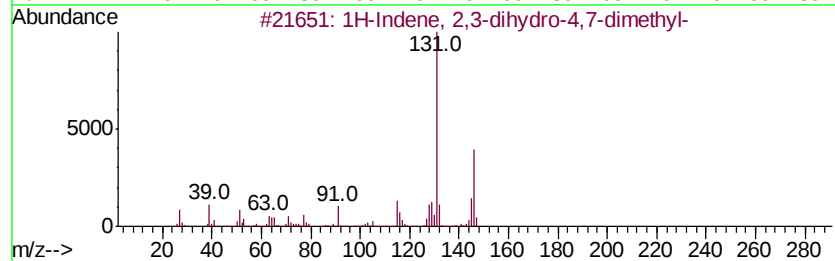
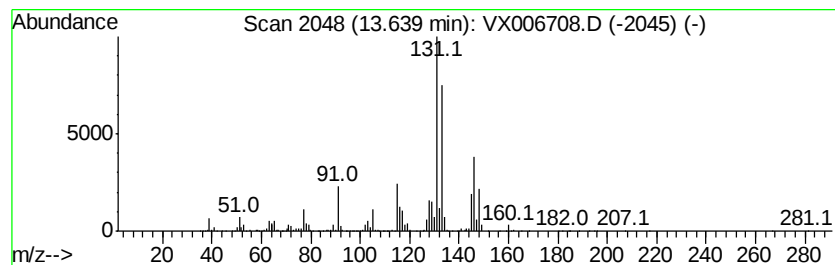
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 10

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 13.64 | 22.23 ug/l | 1199900 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 90   |
| 2    |    | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14  | 004489-84-3 | 78   |
| 3    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001559-81-5 | 60   |
| 4    |    | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 60   |
| 5    |    | 2,2-Dimethylindene, 2,3-dihydro-    | 146 | C11H14  | 020836-11-7 | 60   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122018\  
Data File : VX006708.D  
Acq On : 21 Dec 2018 06:28  
Operator : JC/MD  
Sample : J6517-10  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleID :  
DUP-121918-01

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X121818W.M  
Quant Title : SW846 8260

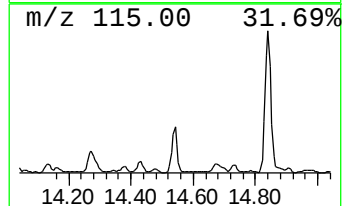
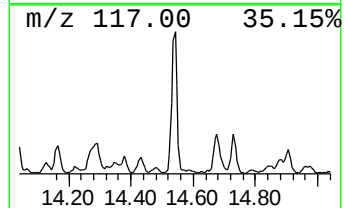
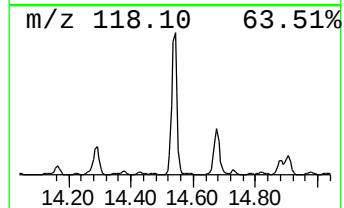
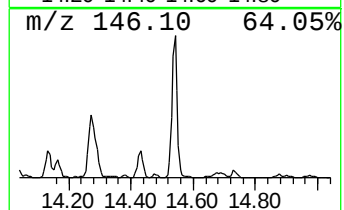
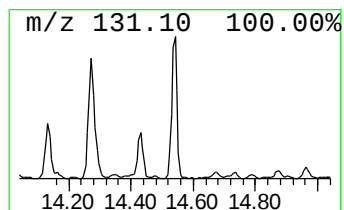
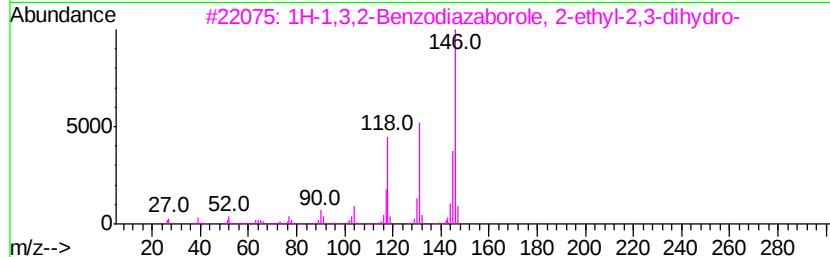
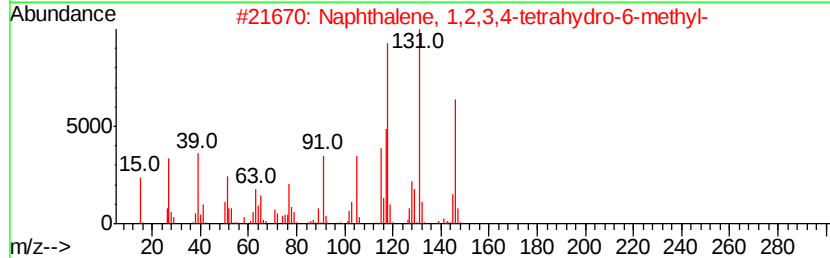
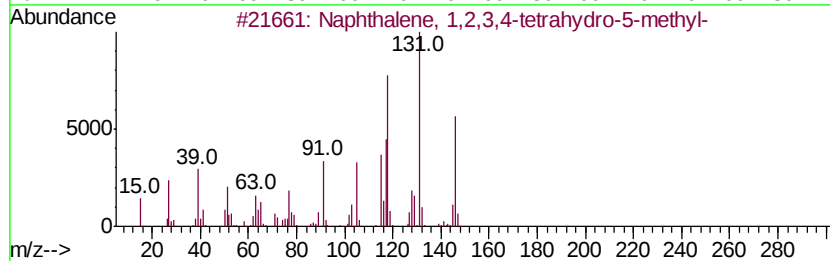
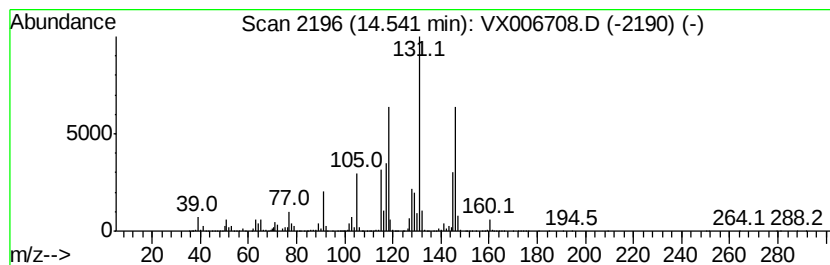
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Naphthalene, 1,2,3,4-tetra... Concentration Rank 7

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 14.54 | 30.16 ug/l | 1627780 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 002809-64-5 | 94   |
| 2    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 001680-51-9 | 90   |
| 3    |    | 1H-1,3,2-Benzodiazaborole, 2-eth... | 146 | C8H11BN2 | 074663-81-3 | 90   |
| 4    |    | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14   | 000769-25-5 | 83   |
| 5    |    | 2-Propyn-1-ol, 3-(4-methylphenyl)-  | 146 | C10H10O  | 016017-24-6 | 64   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\  
Data File : VX006708.D  
Acq On : 21 Dec 2018 06:28  
Operator : JC/MD  
Sample : J6517-10  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 50 Sample Multiplier: 1

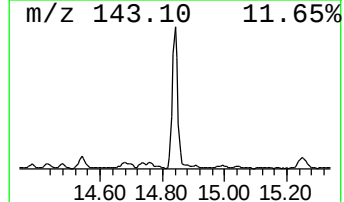
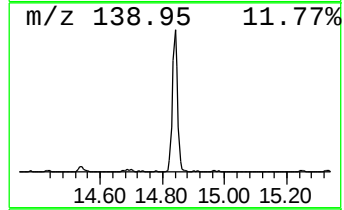
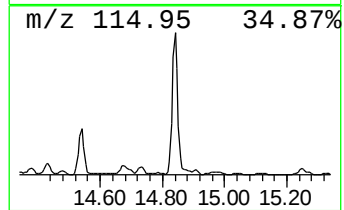
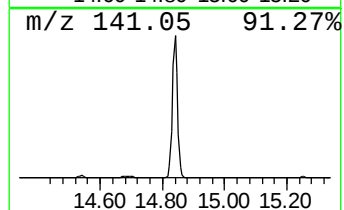
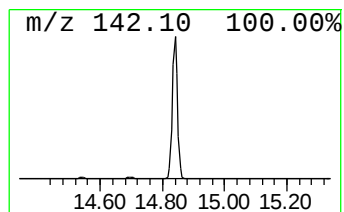
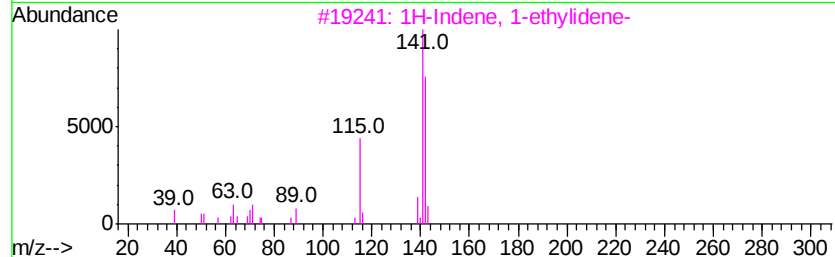
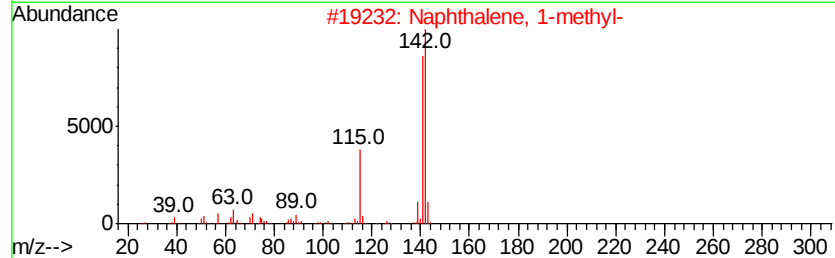
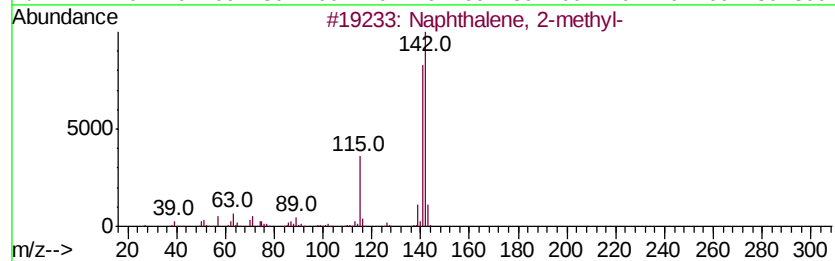
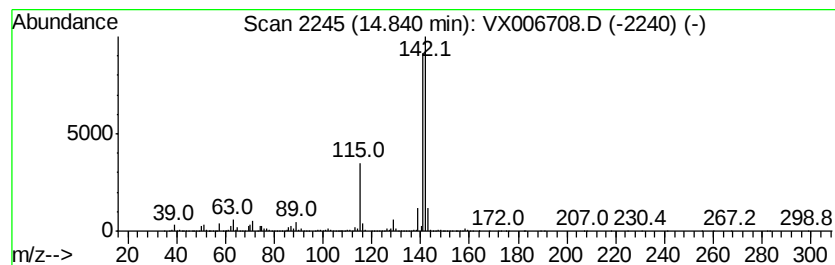
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP-121918-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121818W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 5

| R.T.      | EstConc                             | Area    | Relative to ISTD       | R.T.        |      |
|-----------|-------------------------------------|---------|------------------------|-------------|------|
| 14.84     | 51.00 ug/l                          | 2752660 | 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         | 1H-Indene, 1-ethylidene-            | 142     | C11H10                 | 002471-83-2 | 95   |
| 4         | 1,4-Methanonaphthalene, 1,4-dihv... | 142     | C11H10                 | 004453-90-1 | 91   |
| 5         | Benzocycloheptatriene               | 142     | C11H10                 | 000264-09-5 | 90   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX122018\  
Data File : VX006708.D  
Acq On : 21 Dec 2018 06:28  
Operator : JC/MD  
Sample : J6517-10  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP-121918-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121818W.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-propenyl- | 12.30 | 96.6    | ug/l  | 5215940  | 4                     | 12.08 | 2698740 | 50.0 |
| Benzene, 1-ethyl-... | 12.67 | 38.2    | ug/l  | 2062110  | 4                     | 12.08 | 2698740 | 50.0 |
| Benzene, (2-methy... | 12.70 | 30.0    | ug/l  | 1620270  | 4                     | 12.08 | 2698740 | 50.0 |
| Indan, 1-methyl-     | 12.76 | 88.7    | ug/l  | 4786420  | 4                     | 12.08 | 2698740 | 50.0 |
| Benzene, 1,2,3,4-... | 12.97 | 70.9    | ug/l  | 3824560  | 4                     | 12.08 | 2698740 | 50.0 |
| 1H-Indene, 2,3-di... | 13.35 | 63.8    | ug/l  | 3441580  | 4                     | 12.08 | 2698740 | 50.0 |
| 1H-Indene, 2,3-di... | 13.64 | 22.2    | ug/l  | 1199900  | 4                     | 12.08 | 2698740 | 50.0 |
| Naphthalene, 1,2,... | 14.54 | 30.2    | ug/l  | 1627780  | 4                     | 12.08 | 2698740 | 50.0 |
| Naphthalene, 1-me... | 14.84 | 51.0    | ug/l  | 2752660  | 4                     | 12.08 | 2698740 | 50.0 |