

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX111418\  
 Data File : VX006011.D  
 Acq On : 15 Nov 2018 08:32  
 Operator : JC/MD  
 Sample : J5918-07  
 Misc : 5.00g/10ml/100ul/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FDSB-11(11-13)

## 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\82X110718W.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         | 1.672       | 65            | 85          | 86           | rBV4     | 11301          | 43154         | 5.76%           | 0.248%        |
| 2         | 5.506       | 701           | 714         | 729          | rBV      | 64752          | 197895        | 26.40%          | 1.137%        |
| 3         | 5.653       | 729           | 738         | 755          | rVB      | 123025         | 357509        | 47.69%          | 2.054%        |
| 4         | 6.067       | 795           | 806         | 824          | rBV2     | 79914          | 214062        | 28.55%          | 1.230%        |
| 5         | 6.860       | 926           | 936         | 956          | rBV      | 170779         | 441052        | 58.83%          | 2.534%        |
| 6         | 8.658       | 1226          | 1231        | 1234         | rBV2     | 10755          | 18748         | 2.50%           | 0.108%        |
| 7         | 8.713       | 1234          | 1240        | 1254         | rVB      | 378971         | 613542        | 81.84%          | 3.525%        |
| 8         | 9.036       | 1288          | 1293        | 1300         | rVB2     | 9952           | 16108         | 2.15%           | 0.093%        |
| 9         | 9.439       | 1349          | 1359        | 1368         | rBV      | 20559          | 36155         | 4.82%           | 0.208%        |
| 10        | 9.555       | 1373          | 1378        | 1385         | rBV2     | 16664          | 36851         | 4.92%           | 0.212%        |
| 11        | 9.622       | 1385          | 1389        | 1393         | rVB      | 18389          | 25825         | 3.44%           | 0.148%        |
| 12        | 9.676       | 1393          | 1398        | 1402         | rBV      | 28027          | 42845         | 5.71%           | 0.246%        |
| 13        | 9.878       | 1425          | 1431        | 1436         | rVV2     | 23429          | 54063         | 7.21%           | 0.311%        |
| 14        | 9.957       | 1440          | 1444        | 1449         | rVB      | 27090          | 38655         | 5.16%           | 0.222%        |
| 15        | 10.060      | 1455          | 1461        | 1465         | rBV      | 36367          | 52956         | 7.06%           | 0.304%        |
| 16        | 10.115      | 1465          | 1470        | 1478         | rVV      | 369716         | 515846        | 68.80%          | 2.963%        |
| 17        | 10.237      | 1485          | 1490        | 1497         | rBV4     | 9191           | 16636         | 2.22%           | 0.096%        |
| 18        | 10.329      | 1497          | 1505        | 1509         | rBV2     | 22155          | 46862         | 6.25%           | 0.269%        |
| 19        | 10.371      | 1509          | 1512        | 1516         | rVV      | 34457          | 52233         | 6.97%           | 0.300%        |
| 20        | 10.408      | 1516          | 1518        | 1530         | rVB2     | 21374          | 40827         | 5.45%           | 0.235%        |
| 21        | 10.512      | 1530          | 1535        | 1539         | rBV2     | 12743          | 19856         | 2.65%           | 0.114%        |
| 22        | 10.640      | 1549          | 1556        | 1564         | rBV3     | 51667          | 91178         | 12.16%          | 0.524%        |
| 23        | 10.725      | 1564          | 1570        | 1575         | rBV2     | 28650          | 50612         | 6.75%           | 0.291%        |
| 24        | 10.835      | 1580          | 1588        | 1592         | rBV      | 128306         | 187104        | 24.96%          | 1.075%        |
| 25        | 10.908      | 1592          | 1600        | 1604         | rBV      | 98219          | 174963        | 23.34%          | 1.005%        |
| 26        | 10.945      | 1604          | 1606        | 1611         | rVB      | 61090          | 81337         | 10.85%          | 0.467%        |
| 27        | 11.005      | 1611          | 1616        | 1621         | rBV3     | 15866          | 32497         | 4.33%           | 0.187%        |
| 28        | 11.060      | 1621          | 1625        | 1626         | rBV2     | 19783          | 27397         | 3.65%           | 0.157%        |
| 29        | 11.085      | 1626          | 1629        | 1632         | rVV      | 44268          | 58224         | 7.77%           | 0.334%        |
| 30        | 11.140      | 1632          | 1638        | 1643         | rVV2     | 403183         | 551973        | 73.62%          | 3.171%        |
| 31        | 11.182      | 1643          | 1645        | 1648         | rVB3     | 17232          | 18427         | 2.46%           | 0.106%        |
| 32        | 11.243      | 1652          | 1655        | 1657         | rVV      | 24331          | 29286         | 3.91%           | 0.168%        |
| 33        | 11.274      | 1657          | 1660        | 1665         | rVB4     | 64026          | 83655         | 11.16%          | 0.481%        |
| 34        | 11.359      | 1671          | 1674        | 1676         | rBV      | 21819          | 25679         | 3.43%           | 0.148%        |

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Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FDSB-11(11-13)

## Integration Parameters: RTEINT.P

Integrator: RTE  
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 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\82X110718W.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 11.396 | 1676 | 1680 | 1684 | rVV3 | 29030  | 50621  | 6.75%  | 0.291% |
| 36 | 11.444 | 1684 | 1688 | 1691 | rVV2 | 36106  | 51572  | 6.88%  | 0.296% |
| 37 | 11.487 | 1691 | 1695 | 1699 | rVV  | 107458 | 153110 | 20.42% | 0.880% |
| 38 | 11.536 | 1699 | 1703 | 1708 | rVV3 | 56879  | 97906  | 13.06% | 0.562% |
| 39 | 11.627 | 1715 | 1718 | 1720 | rBV2 | 15761  | 17874  | 2.38%  | 0.103% |
| 40 | 11.688 | 1720 | 1728 | 1732 | rVB5 | 65125  | 111045 | 14.81% | 0.638% |
| 41 | 11.737 | 1732 | 1736 | 1738 | rBV2 | 65173  | 81536  | 10.88% | 0.468% |
| 42 | 11.768 | 1738 | 1741 | 1744 | rVV  | 263098 | 302441 | 40.34% | 1.737% |
| 43 | 11.828 | 1744 | 1751 | 1757 | rVB7 | 68951  | 212661 | 28.37% | 1.222% |
| 44 | 11.889 | 1757 | 1761 | 1764 | rBV  | 64470  | 95211  | 12.70% | 0.547% |
| 45 | 11.944 | 1764 | 1770 | 1775 | rVV4 | 134083 | 236340 | 31.52% | 1.358% |
| 46 | 11.999 | 1775 | 1779 | 1782 | rVV  | 162291 | 223415 | 29.80% | 1.283% |
| 47 | 12.030 | 1782 | 1784 | 1788 | rVV2 | 54074  | 73331  | 9.78%  | 0.421% |
| 48 | 12.085 | 1788 | 1793 | 1798 | rVV2 | 463059 | 679183 | 90.59% | 3.902% |
| 49 | 12.127 | 1798 | 1800 | 1803 | rVB2 | 30174  | 29051  | 3.87%  | 0.167% |
| 50 | 12.213 | 1809 | 1814 | 1818 | rVB4 | 26454  | 46551  | 6.21%  | 0.267% |
| 51 | 12.304 | 1824 | 1829 | 1834 | rBV4 | 87775  | 153706 | 20.50% | 0.883% |
| 52 | 12.371 | 1835 | 1840 | 1846 | rBV3 | 142992 | 293733 | 39.18% | 1.687% |
| 53 | 12.475 | 1846 | 1857 | 1862 | rBV3 | 126653 | 359603 | 47.96% | 2.066% |
| 54 | 12.523 | 1862 | 1865 | 1871 | rVB3 | 123170 | 223036 | 29.75% | 1.281% |
| 55 | 12.609 | 1871 | 1879 | 1881 | rBV4 | 114437 | 257817 | 34.39% | 1.481% |
| 56 | 12.633 | 1881 | 1883 | 1887 | rVB2 | 86344  | 118837 | 15.85% | 0.683% |
| 57 | 12.737 | 1897 | 1900 | 1904 | rBV3 | 174862 | 244267 | 32.58% | 1.403% |
| 58 | 12.822 | 1911 | 1914 | 1915 | rBV3 | 29030  | 31084  | 4.15%  | 0.179% |
| 59 | 12.877 | 1919 | 1923 | 1928 | rVB3 | 197171 | 296649 | 39.57% | 1.704% |
| 60 | 12.944 | 1928 | 1934 | 1937 | rBV2 | 285456 | 453481 | 60.49% | 2.605% |
| 61 | 12.975 | 1937 | 1939 | 1943 | rVB2 | 127995 | 142708 | 19.03% | 0.820% |
| 62 | 13.042 | 1947 | 1950 | 1954 | rBV2 | 135686 | 163119 | 21.76% | 0.937% |
| 63 | 13.151 | 1963 | 1968 | 1973 | rBV4 | 80207  | 175047 | 23.35% | 1.006% |
| 64 | 13.200 | 1973 | 1976 | 1981 | rVB6 | 64859  | 88536  | 11.81% | 0.509% |
| 65 | 13.267 | 1983 | 1987 | 1990 | rBV3 | 98208  | 127735 | 17.04% | 0.734% |
| 66 | 13.353 | 1996 | 2001 | 2006 | rVB3 | 328508 | 535119 | 71.38% | 3.074% |
| 67 | 13.401 | 2006 | 2009 | 2011 | rBV2 | 95669  | 118713 | 15.83% | 0.682% |
| 68 | 13.438 | 2011 | 2015 | 2019 | rBV2 | 375483 | 485860 | 64.80% | 2.791% |
| 69 | 13.475 | 2019 | 2021 | 2024 | rVV3 | 87708  | 92517  | 12.34% | 0.531% |
| 70 | 13.566 | 2030 | 2036 | 2039 | rBV4 | 84398  | 170490 | 22.74% | 0.979% |
| 71 | 13.639 | 2045 | 2048 | 2052 | rBV4 | 99176  | 161072 | 21.48% | 0.925% |

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Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FDSB-11(11-13)

## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
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 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\82X110718W.M  
 Title : SW846 8260

|     |        |      |      |      |      |        |        |         |        |
|-----|--------|------|------|------|------|--------|--------|---------|--------|
| 72  | 13.724 | 2059 | 2062 | 2065 | rBV3 | 59114  | 80595  | 10.75%  | 0.463% |
| 73  | 13.761 | 2065 | 2068 | 2070 | rBV2 | 82937  | 82036  | 10.94%  | 0.471% |
| 74  | 13.798 | 2071 | 2074 | 2080 | rVB2 | 171295 | 254875 | 34.00%  | 1.464% |
| 75  | 13.859 | 2080 | 2084 | 2087 | rBV3 | 170119 | 216784 | 28.92%  | 1.245% |
| 76  | 13.901 | 2087 | 2091 | 2096 | rBV  | 620179 | 749728 | 100.00% | 4.307% |
| 77  | 13.962 | 2098 | 2101 | 2103 | rBV3 | 87031  | 116779 | 15.58%  | 0.671% |
| 78  | 14.048 | 2109 | 2115 | 2118 | rBV5 | 88538  | 196384 | 26.19%  | 1.128% |
| 79  | 14.127 | 2125 | 2128 | 2131 | rBV3 | 121069 | 170920 | 22.80%  | 0.982% |
| 80  | 14.163 | 2131 | 2134 | 2136 | rVV3 | 122752 | 168402 | 22.46%  | 0.967% |
| 81  | 14.194 | 2137 | 2139 | 2142 | rVV3 | 118131 | 145017 | 19.34%  | 0.833% |
| 82  | 14.243 | 2145 | 2147 | 2149 | rVV  | 140678 | 160745 | 21.44%  | 0.923% |
| 83  | 14.273 | 2149 | 2152 | 2159 | rVB4 | 147966 | 281091 | 37.49%  | 1.615% |
| 84  | 14.480 | 2183 | 2186 | 2188 | rBV3 | 55610  | 66848  | 8.92%   | 0.384% |
| 85  | 14.541 | 2192 | 2196 | 2199 | rVV2 | 125349 | 218344 | 29.12%  | 1.254% |
| 86  | 14.578 | 2199 | 2202 | 2205 | rVB2 | 132827 | 154045 | 20.55%  | 0.885% |
| 87  | 14.669 | 2214 | 2217 | 2224 | rBV2 | 581388 | 686252 | 91.53%  | 3.942% |
| 88  | 14.730 | 2224 | 2227 | 2231 | rVB3 | 119473 | 163570 | 21.82%  | 0.940% |
| 89  | 14.785 | 2231 | 2236 | 2238 | rBV2 | 69215  | 119498 | 15.94%  | 0.686% |
| 90  | 14.840 | 2242 | 2245 | 2252 | rVV2 | 213028 | 359695 | 47.98%  | 2.066% |
| 91  | 14.907 | 2253 | 2256 | 2259 | rVB3 | 104529 | 124889 | 16.66%  | 0.717% |
| 92  | 15.279 | 2309 | 2317 | 2321 | rVV2 | 367342 | 553936 | 73.88%  | 3.182% |
| 93  | 15.340 | 2324 | 2327 | 2331 | rVB  | 82399  | 110482 | 14.74%  | 0.635% |
| 94  | 15.444 | 2341 | 2344 | 2348 | rBV4 | 73290  | 95359  | 12.72%  | 0.548% |
| 95  | 15.492 | 2348 | 2352 | 2357 | rVV4 | 58393  | 92974  | 12.40%  | 0.534% |
| 96  | 15.547 | 2357 | 2361 | 2368 | rVB  | 87106  | 142252 | 18.97%  | 0.817% |
| 97  | 15.688 | 2380 | 2384 | 2387 | rBV  | 108706 | 173060 | 23.08%  | 0.994% |
| 98  | 15.724 | 2388 | 2390 | 2398 | rVB2 | 118065 | 191364 | 25.52%  | 1.099% |
| 99  | 16.041 | 2439 | 2442 | 2445 | rBV  | 19948  | 31946  | 4.26%   | 0.184% |
| 100 | 16.169 | 2459 | 2463 | 2468 | rBV4 | 32397  | 50337  | 6.71%   | 0.289% |

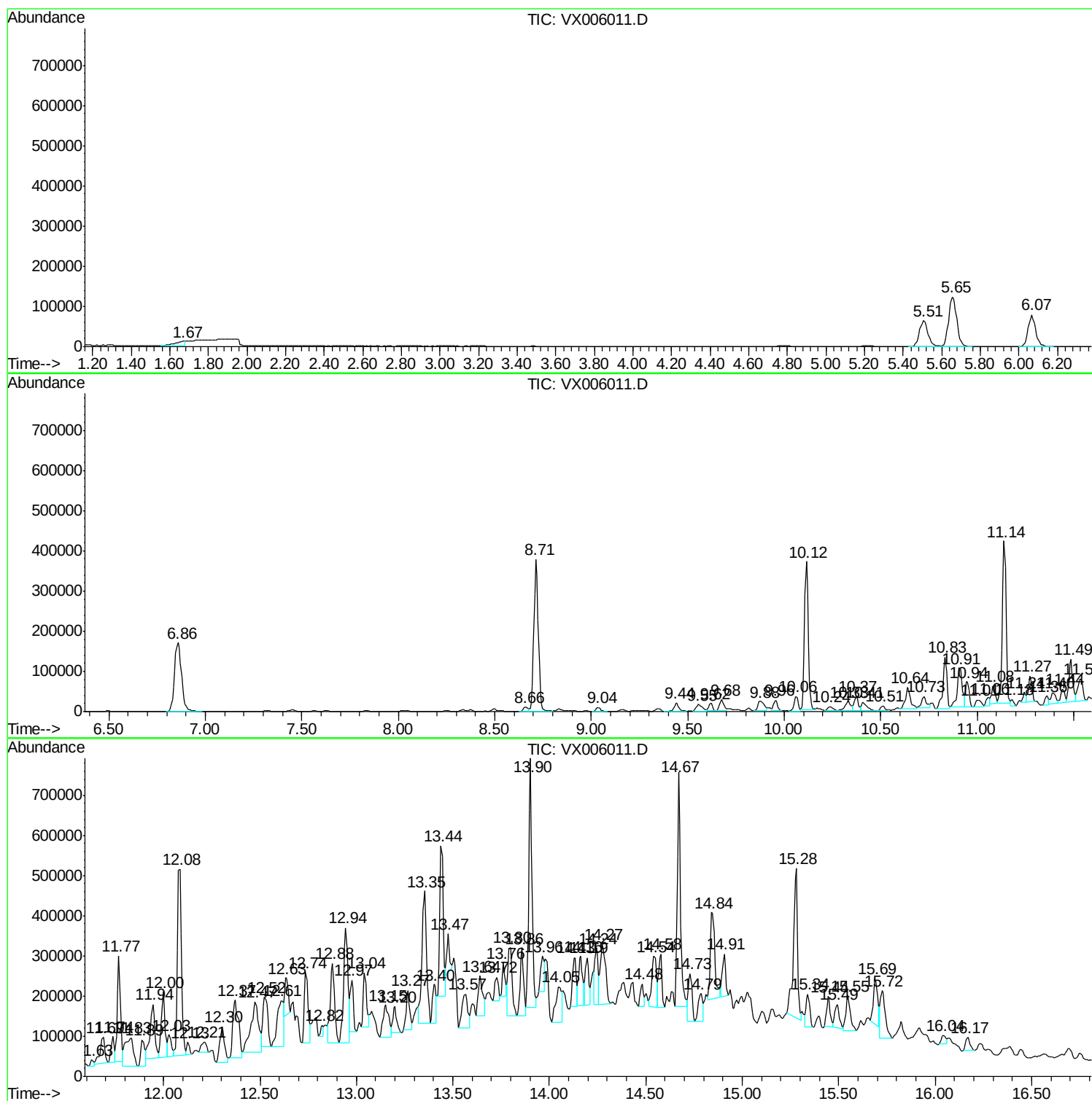
Sum of corrected areas: 17407196

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Instrument :  
MSVOA\_X  
ClientSampleId :  
FDSB-11(11-13)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX111418\  
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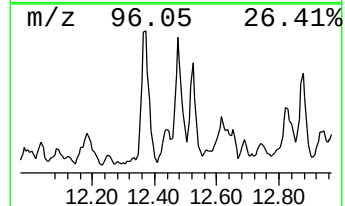
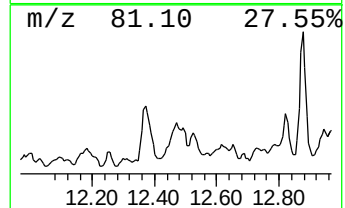
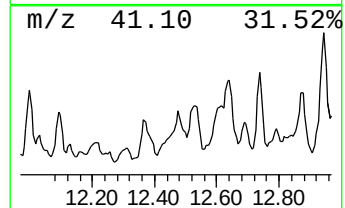
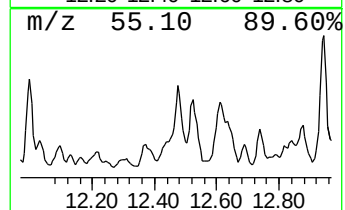
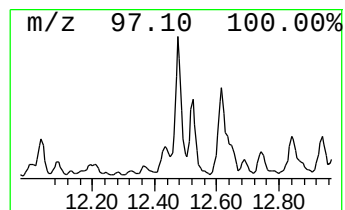
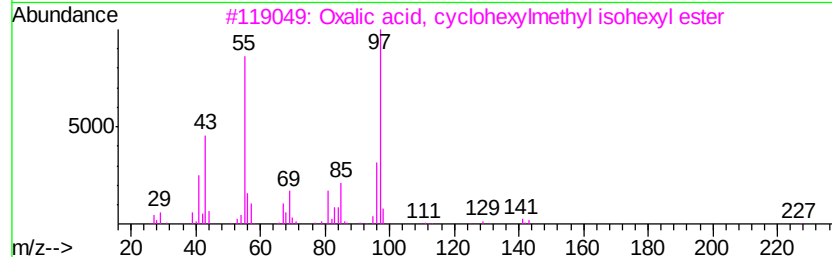
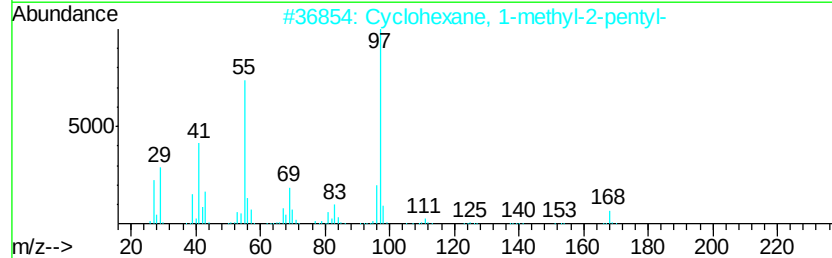
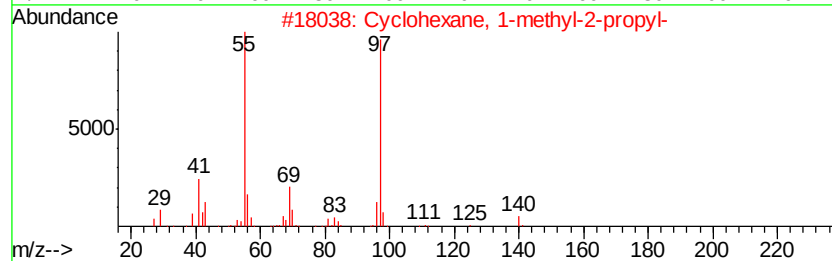
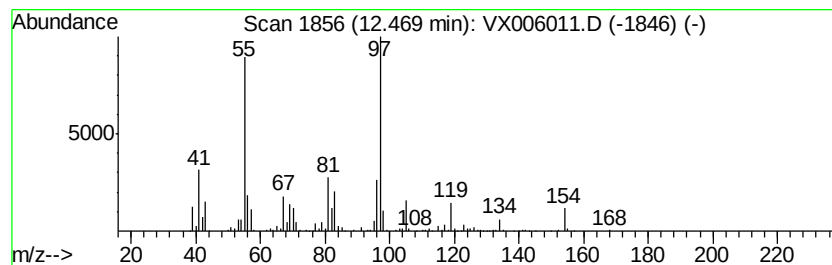
Instrument :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260

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

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Peak Number 1 Cyclohexane, 1-methyl-2-pro... Concentration Rank 8

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.            |
|---------|------------|-------------------------------------|------------------------|-----------------|
| 12.47   | 26.47 ug/l | 359603                              | 1,4-Dichlorobenzene-d4 | 12.08           |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual       |
| 1       |            | Cyclohexane, 1-methyl-2-propyl-     | 140 C10H20             | 004291-79-6 64  |
| 2       |            | Cyclohexane, 1-methyl-2-pentyl-     | 168 C12H24             | 054411-01-7 64  |
| 3       |            | Oxalic acid, cyclohexylmethyl is... | 270 C15H26O4           | 1000309-68-3 64 |
| 4       |            | Cyclohexane, 1-ethyl-2-methyl-, ... | 126 C9H18              | 004923-77-7 64  |
| 5       |            | Cyclohexane, 1-bromo-2-methyl-      | 176 C7H13Br            | 006294-39-9 59  |



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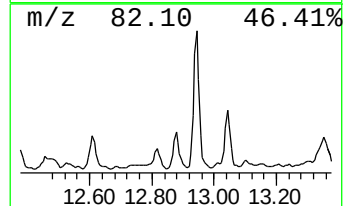
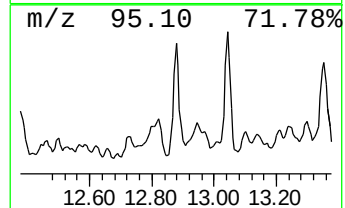
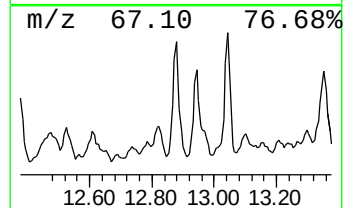
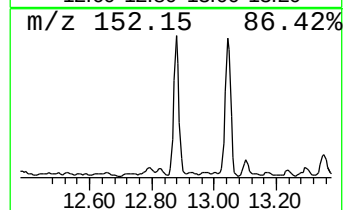
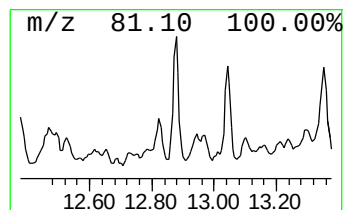
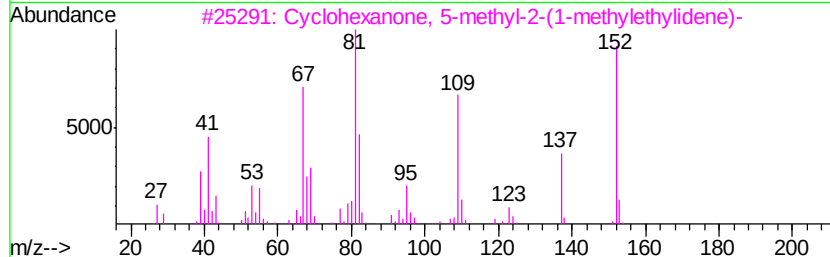
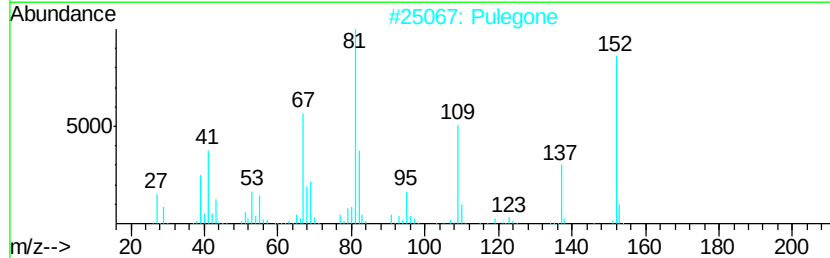
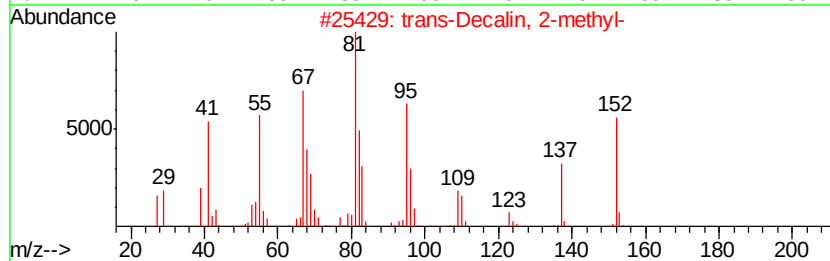
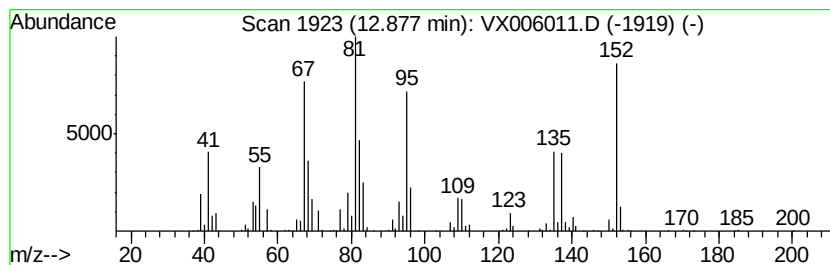
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Quant Title : SW846 8260

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

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Peak Number 2 trans-Decalin, 2-methyl- Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 12.88 | 21.84 ug/l | 296649 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | trans-Decalin, 2-methyl-            | 152 | C11H20  | 1000152-47-3 | 96   |
| 2    |    | Pulegone                            | 152 | C10H16O | 000089-82-7  | 76   |
| 3    |    | Cyclohexanone, 5-methyl-2-(1-met... | 152 | C10H16O | 015932-80-6  | 74   |
| 4    |    | Cyclohexanone, 2-methyl-5-(1-met... | 152 | C10H16O | 007764-50-3  | 49   |
| 5    |    | 6a-Methyl-hexahydopentalene-1,6...  | 152 | C9H12O2 | 092485-86-4  | 46   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX111418\  
Data File : VX006011.D  
Acq On : 15 Nov 2018 08:32  
Operator : JC/MD  
Sample : J5918-07  
Misc : 5.00g/10ml/100ul/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
FDSB-11(11-13)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260

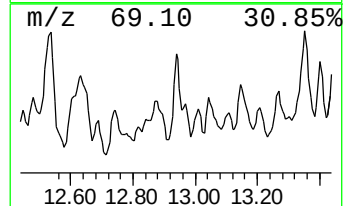
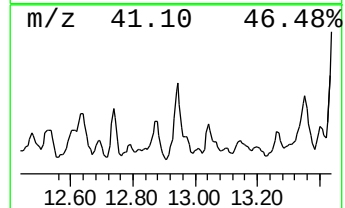
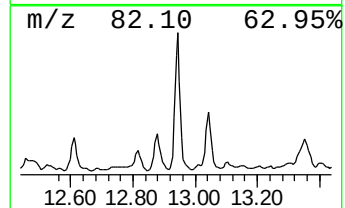
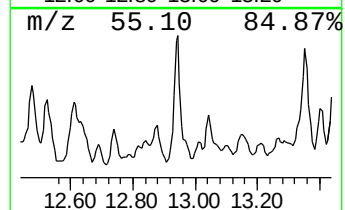
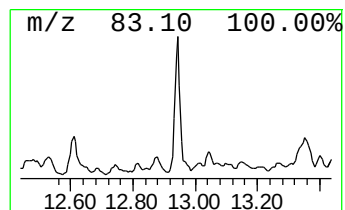
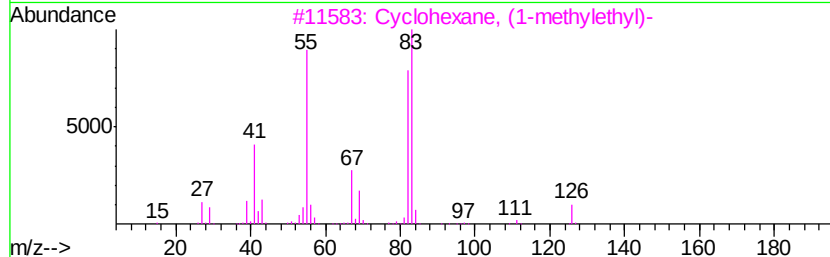
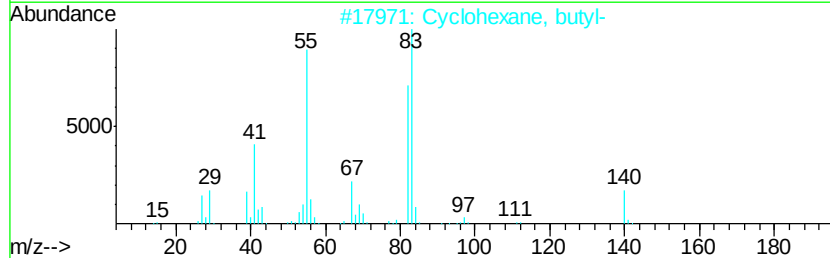
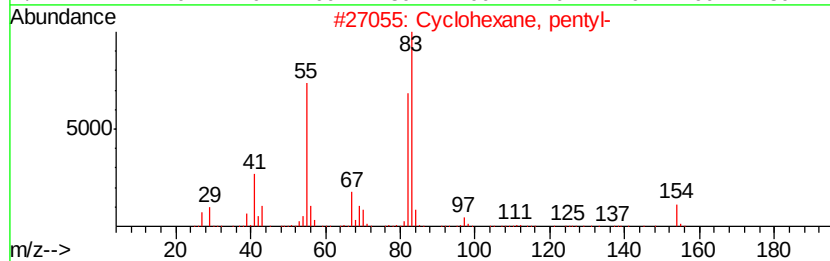
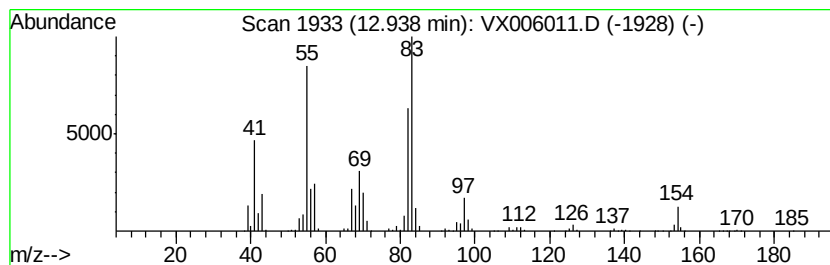
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Cyclohexane, pentyl- Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 12.94 | 33.38 ug/l | 453481 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, pentyl-           | 154 | C11H22  | 004292-92-6 | 90   |
| 2    |    | Cyclohexane, butyl-            | 140 | C10H20  | 001678-93-9 | 64   |
| 3    |    | Cyclohexane, (1-methylethyl)-  | 126 | C9H18   | 000696-29-7 | 64   |
| 4    |    | Cyclohexane, (4-methylpentyl)- | 168 | C12H24  | 061142-20-9 | 64   |
| 5    |    | Cyclohexane, hexyl-            | 168 | C12H24  | 004292-75-5 | 64   |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX111418\  
Data File : VX006011.D  
Acq On : 15 Nov 2018 08:32  
Operator : JC/MD  
Sample : J5918-07  
Misc : 5.00g/10ml/100ul/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 48 Sample Multiplier: 1

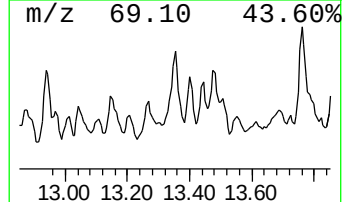
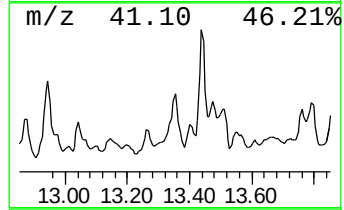
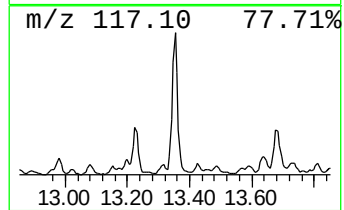
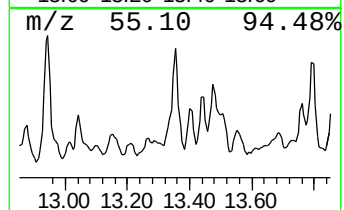
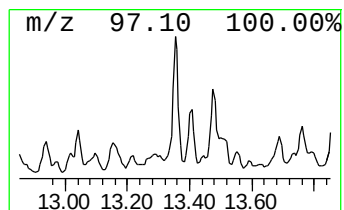
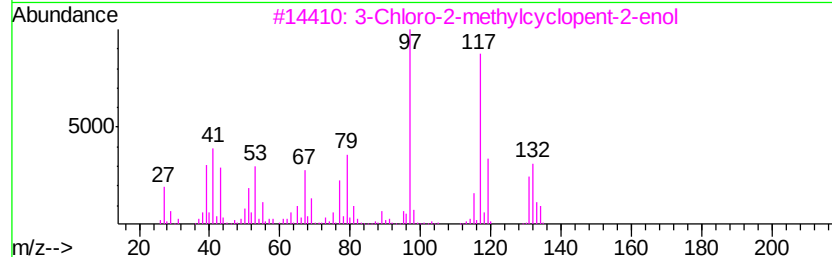
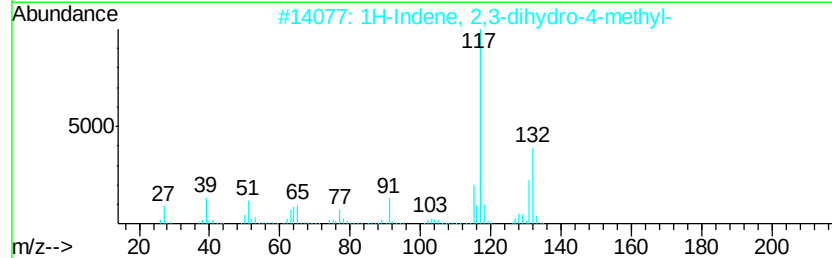
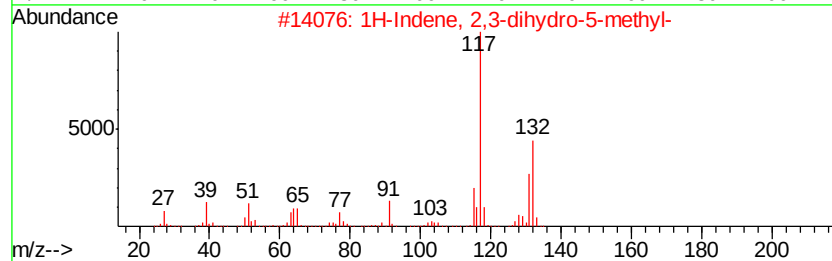
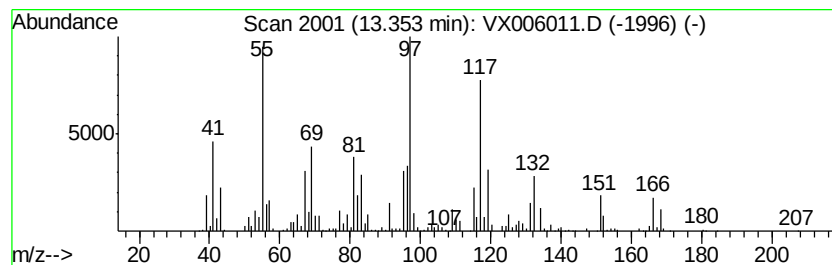
Instrument :  
MSVOA\_X  
ClientSampled :  
FDSB-11(11-13)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260

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

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

| R.T.    | EstConc                           | Area         | Relative to ISTD       | R.T.      |
|---------|-----------------------------------|--------------|------------------------|-----------|
| 13.35   | 39.39 ug/l                        | 535119       | 1,4-Dichlorobenzene-d4 | 12.08     |
| Hit# of | 5                                 | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | 1H-Indene, 2,3-dihydro-5-methyl-  | 132 C10H12   | 000874-35-1            | 74        |
| 2       | 1H-Indene, 2,3-dihydro-4-methyl-  | 132 C10H12   | 000824-22-6            | 70        |
| 3       | 3-Chloro-2-methylcyclopent-2-enol | 132 C6H9ClO  | 1000192-84-7           | 68        |
| 4       | Benzene, 2-butenyl-               | 132 C10H12   | 001560-06-1            | 38        |
| 5       | Benzene, 1-ethenyl-4-ethyl-       | 132 C10H12   | 003454-07-7            | 38        |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX111418\  
Data File : VX006011.D  
Acq On : 15 Nov 2018 08:32  
Operator : JC/MD  
Sample : J5918-07  
Misc : 5.00g/10ml/100ul/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 48 Sample Multiplier: 1

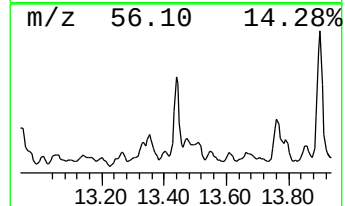
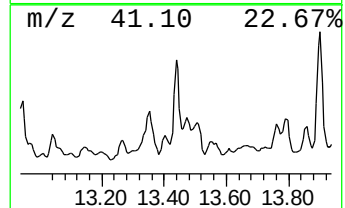
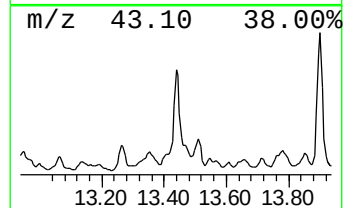
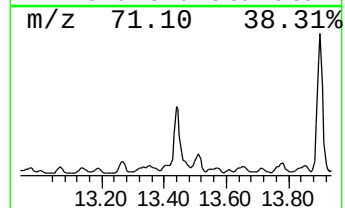
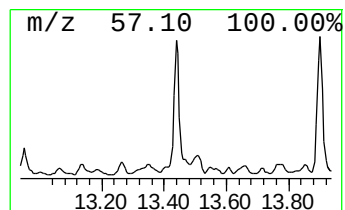
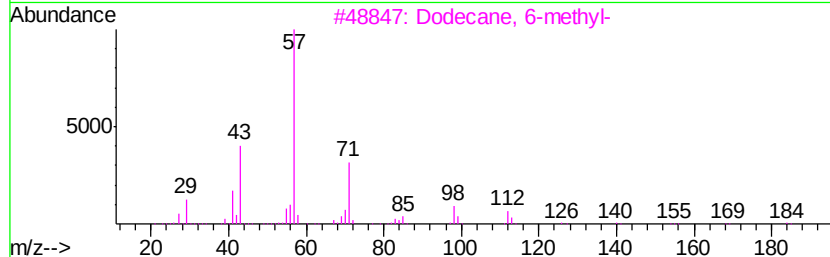
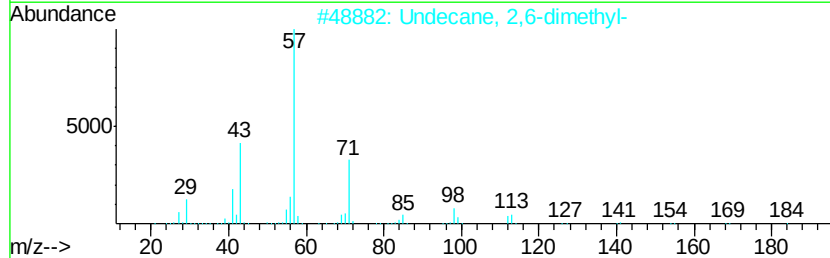
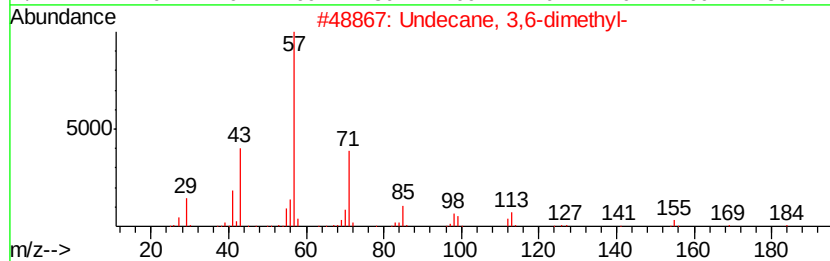
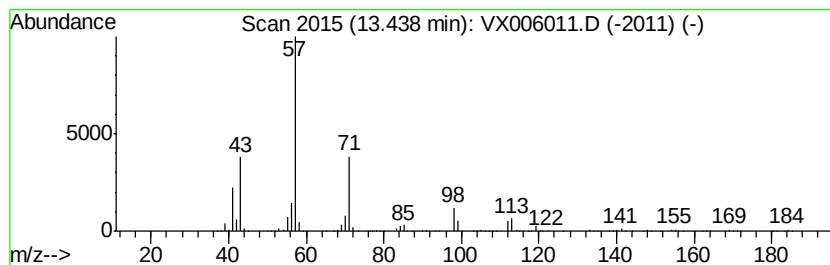
Instrument :  
MSVOA\_X  
ClientSampled :  
FDSB-11(11-13)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 Undecane, 3,6-dimethyl- Concentration Rank 5

| R.T.      | EstConc                  | Area   | Relative to ISTD       | R.T.        |      |
|-----------|--------------------------|--------|------------------------|-------------|------|
| 13.44     | 35.77 ug/l               | 485860 | 1,4-Dichlorobenzene-d4 | 12.08       |      |
| Hit# of 5 | Tentative ID             | MW     | MolForm                | CAS#        | Qual |
| 1         | Undecane, 3,6-dimethyl-  | 184    | C13H28                 | 017301-28-9 | 94   |
| 2         | Undecane, 2,6-dimethyl-  | 184    | C13H28                 | 017301-23-4 | 91   |
| 3         | Dodecane, 6-methyl-      | 184    | C13H28                 | 006044-71-9 | 86   |
| 4         | Decane, 2,6,8-trimethyl- | 184    | C13H28                 | 062108-26-3 | 72   |
| 5         | Tridecane, 6-methyl-     | 198    | C14H30                 | 013287-21-3 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX111418\  
Data File : VX006011.D  
Acq On : 15 Nov 2018 08:32  
Operator : JC/MD  
Sample : J5918-07  
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ALS Vial : 48 Sample Multiplier: 1

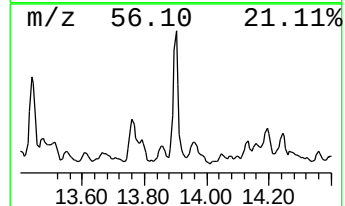
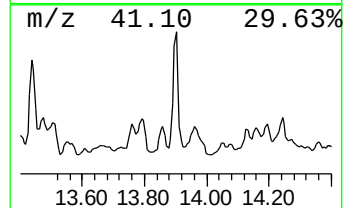
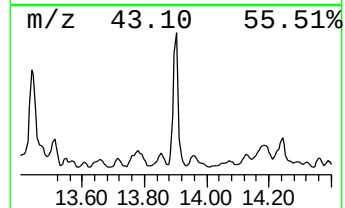
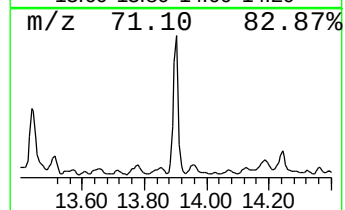
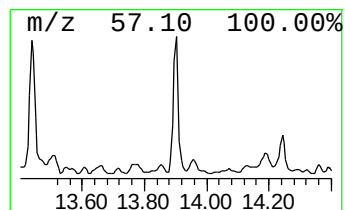
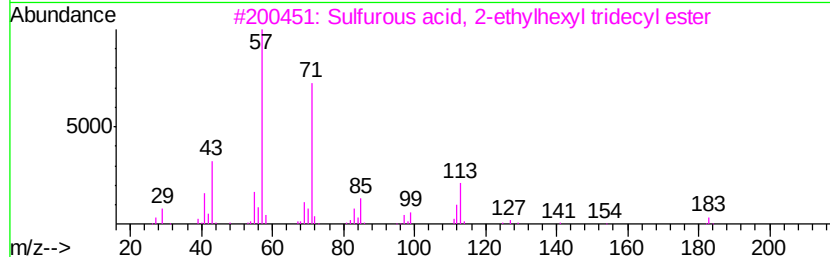
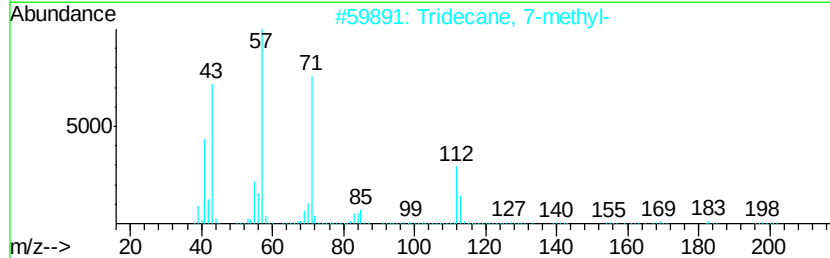
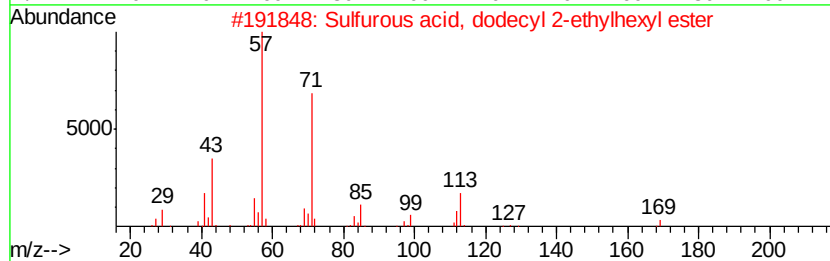
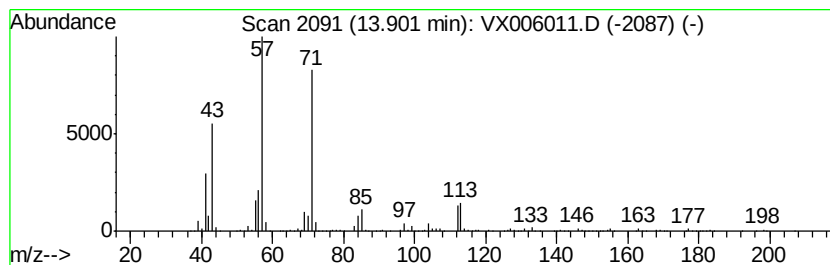
Instrument :  
MSVOA\_X  
ClientSampleId :  
FDSB-11(11-13)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260

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

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Peak Number 6 Sulfurous acid, dodecyl 2-e... Concentration Rank 1

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.      |              |      |
|---------|------------|-------------------------------------|------------------------|-----------|--------------|------|
| 13.90   | 55.19 ug/l | 749728                              | 1,4-Dichlorobenzene-d4 | 12.08     |              |      |
| Hit# of | 5          | Tentative ID                        | MW                     | MolForm   | CAS#         | Qual |
| 1       |            | Sulfurous acid, dodecyl 2-ethylh... | 362                    | C20H42O3S | 1000309-19-5 | 80   |
| 2       |            | Tridecane, 7-methyl-                | 198                    | C14H30    | 026730-14-3  | 74   |
| 3       |            | Sulfurous acid, 2-ethylhexyl tri... | 376                    | C21H44O3S | 1000309-19-6 | 72   |
| 4       |            | Octane, 2,3,7-trimethyl-            | 156                    | C11H24    | 062016-34-6  | 64   |
| 5       |            | Oxalic acid, ethyl neopentyl ester  | 188                    | C9H16O4   | 1000309-72-4 | 64   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX111418\  
Data File : VX006011.D  
Acq On : 15 Nov 2018 08:32  
Operator : JC/MD  
Sample : J5918-07  
Misc : 5.00g/10ml/100ul/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FDSB-11(11-13)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260

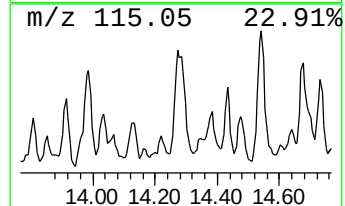
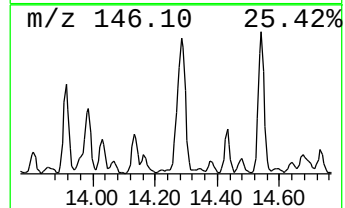
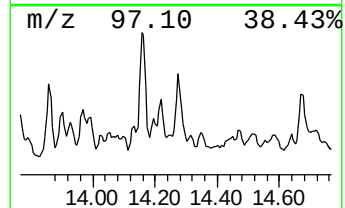
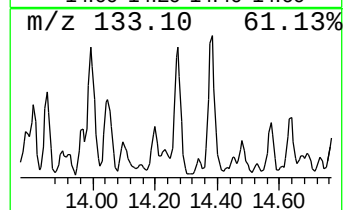
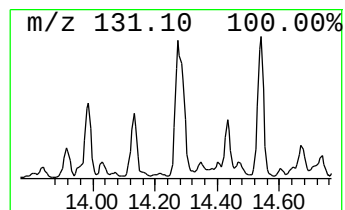
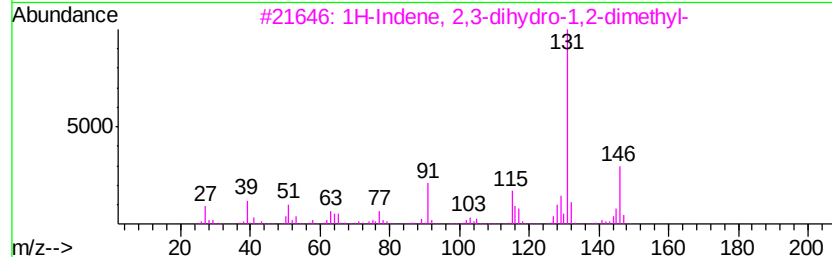
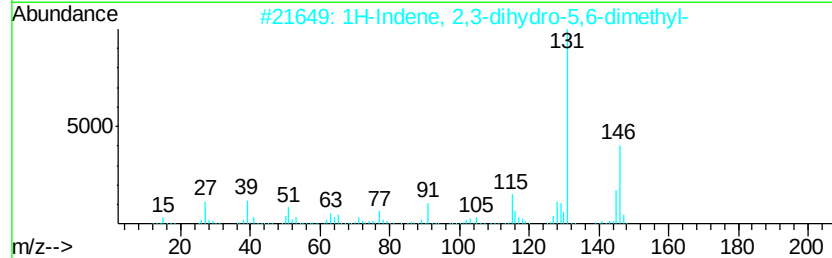
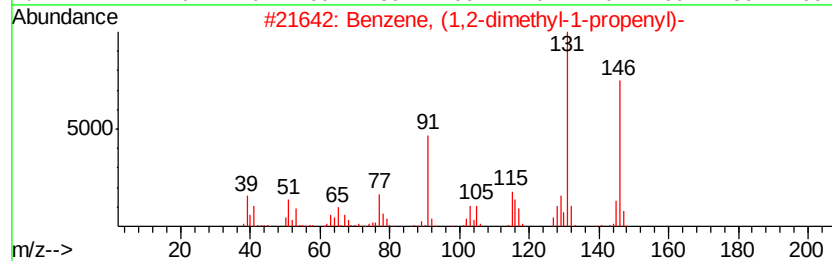
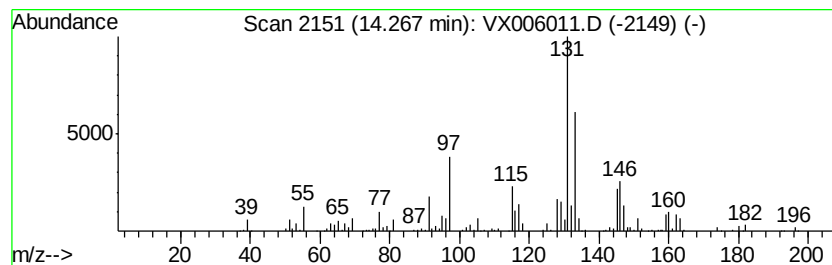
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Benzene, (1,2-dimethyl-1-propenyl)- Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.27 | 20.69 ug/l | 281091 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14  | 000769-57-3 | 55   |
| 2    |    | 1H-Indene, 2,3-dihydro-5,6-dimet... | 146 | C11H14  | 001075-22-5 | 55   |
| 3    |    | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 55   |
| 4    |    | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14  | 004489-84-3 | 50   |
| 5    |    | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 49   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX111418\  
Data File : VX006011.D  
Acq On : 15 Nov 2018 08:32  
Operator : JC/MD  
Sample : J5918-07  
Misc : 5.00g/10ml/100ul/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 48 Sample Multiplier: 1

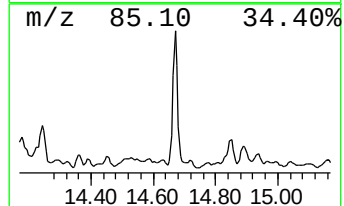
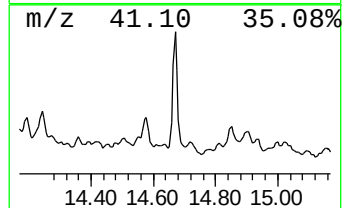
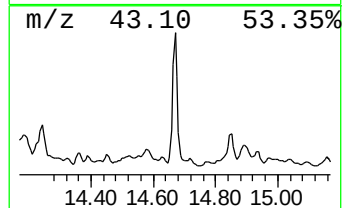
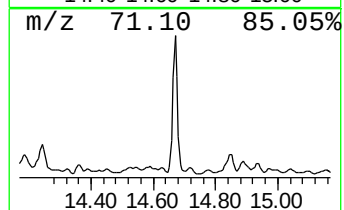
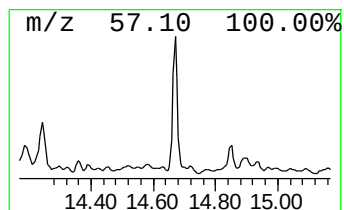
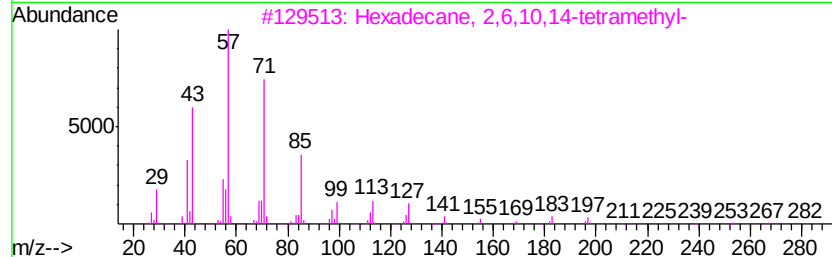
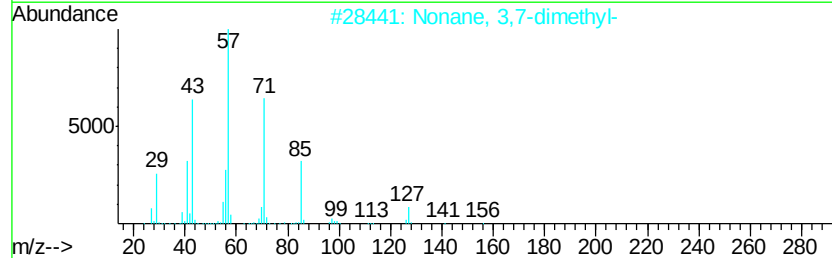
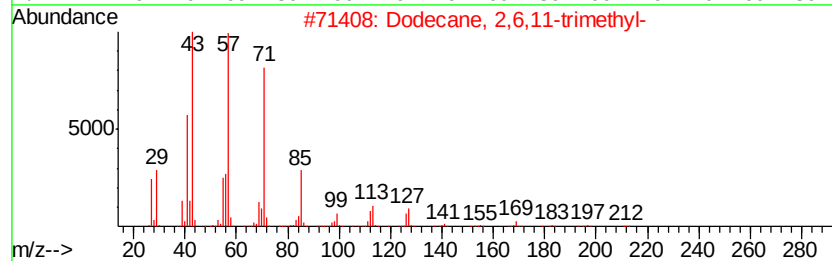
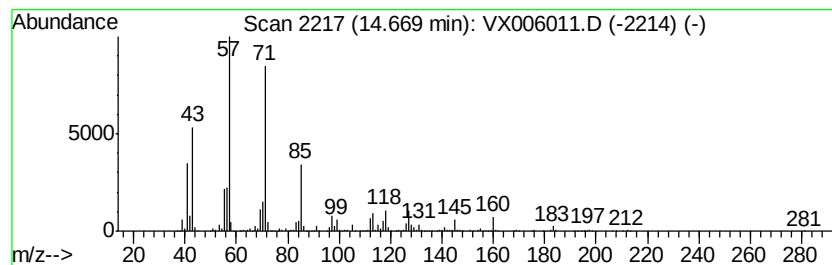
Instrument :  
MSVOA\_X  
ClientSampleId :  
FDSB-11(11-13)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 8 Dodecane, 2,6,11-trimethyl- Concentration Rank 2

| R.T.    | EstConc                            | Area         | Relative to ISTD       | R.T.      |
|---------|------------------------------------|--------------|------------------------|-----------|
| 14.67   | 50.52 ug/l                         | 686252       | 1,4-Dichlorobenzene-d4 | 12.08     |
| Hit# of | 5                                  | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Dodecane, 2,6,11-trimethyl-        | 212 C15H32   | 031295-56-4            | 87        |
| 2       | Nonane, 3,7-dimethyl-              | 156 C11H24   | 017302-32-8            | 74        |
| 3       | Hexadecane, 2,6,10,14-tetramethyl- | 282 C20H42   | 000638-36-8            | 72        |
| 4       | Dodecane, 2,7,10-trimethyl-        | 212 C15H32   | 074645-98-0            | 72        |
| 5       | Octane, 5-ethyl-2-methyl-          | 156 C11H24   | 062016-18-6            | 72        |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX111418\  
Data File : VX006011.D  
Acq On : 15 Nov 2018 08:32  
Operator : JC/MD  
Sample : J5918-07  
Misc : 5.00g/10ml/100ul/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 48 Sample Multiplier: 1

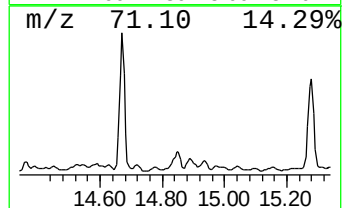
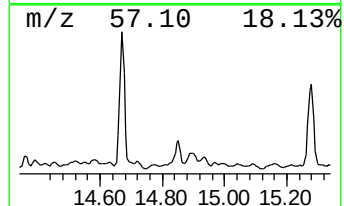
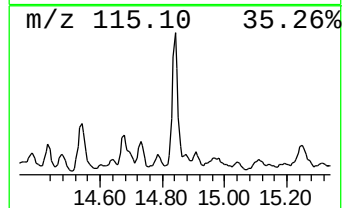
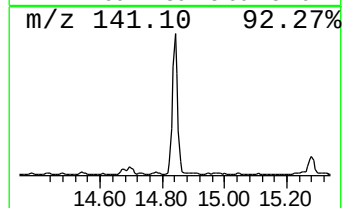
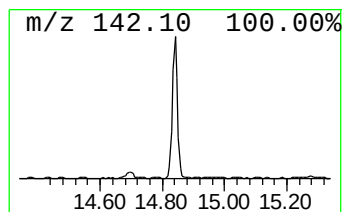
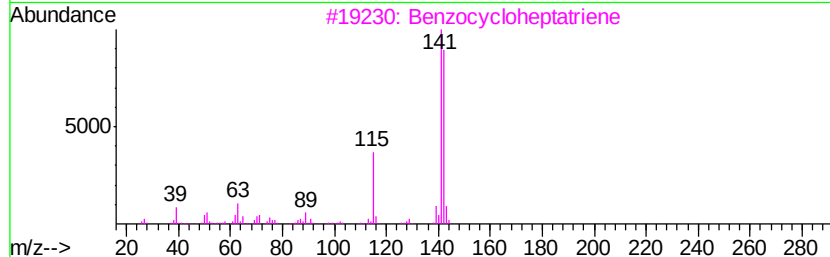
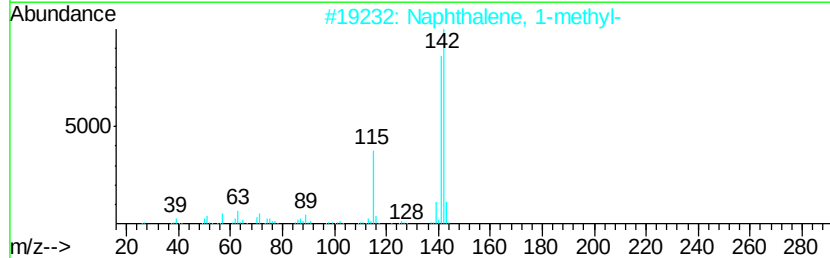
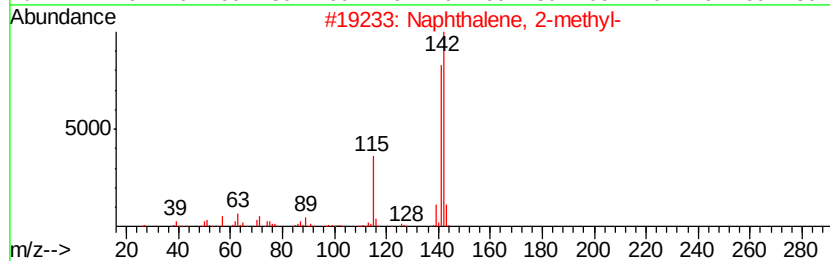
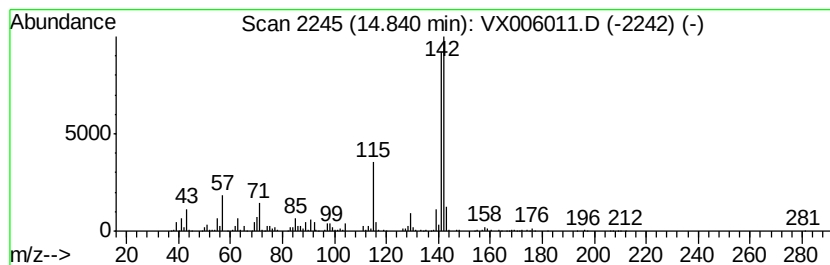
Instrument :  
MSVOA\_X  
ClientSampleId :  
FDSB-11(11-13)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260

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

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Peak Number 9 Naphthalene, 2-methyl- Concentration Rank 7

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 14.84   | 26.48 ug/l | 359695                              | 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       |            | Benzocycloheptatriene               | 142 C11H10             | 000264-09-5 90 |
| 4       |            | 1,4-Methanonaphthalene, 1,4-dihy... | 142 C11H10             | 004453-90-1 90 |
| 5       |            | 1H-Indene, 1-ethylidene-            | 142 C11H10             | 002471-83-2 58 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX111418\  
Data File : VX006011.D  
Acq On : 15 Nov 2018 08:32  
Operator : JC/MD  
Sample : J5918-07  
Misc : 5.00g/10ml/100ul/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FDSB-11(11-13)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260

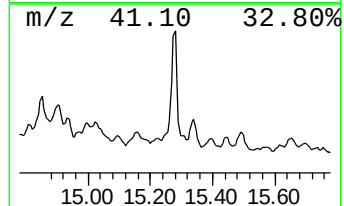
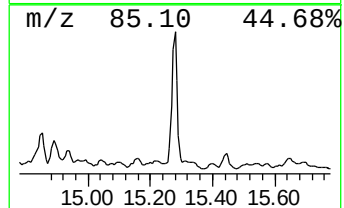
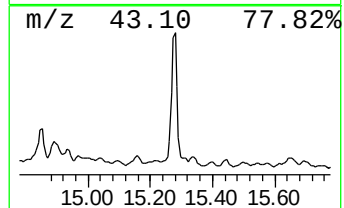
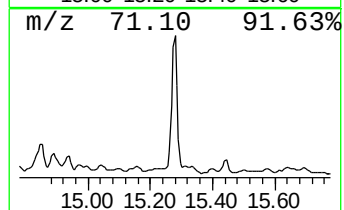
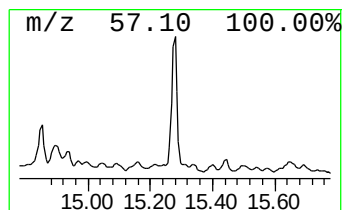
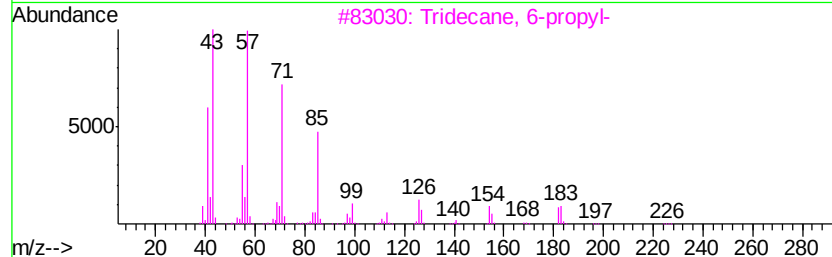
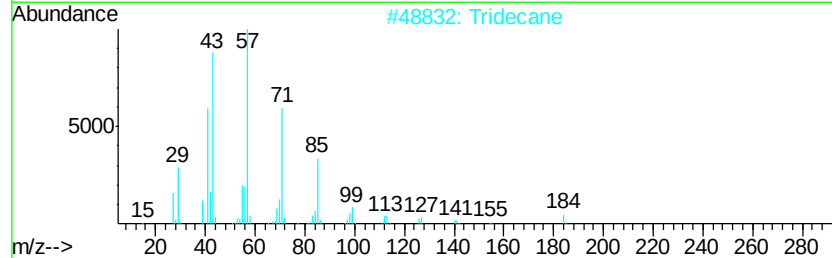
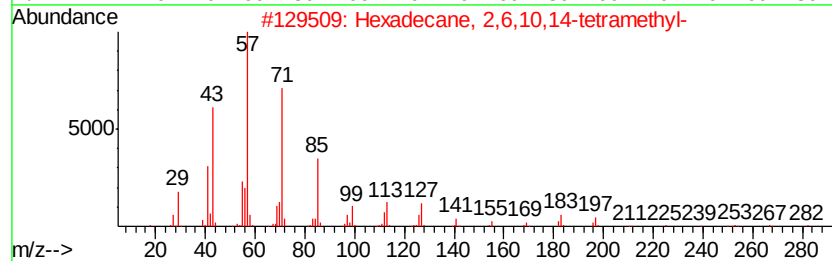
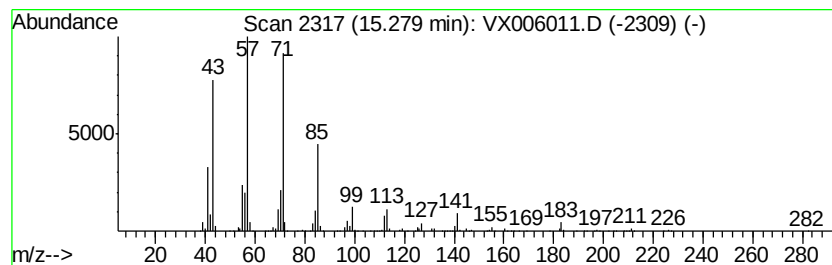
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Hexadecane, 2,6,10,14-tetra... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.28 | 40.78 ug/l | 553936 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42  | 000638-36-8 | 87   |
| 2    |    | Tridecane                          | 184 | C13H28  | 000629-50-5 | 87   |
| 3    |    | Tridecane, 6-propyl-               | 226 | C16H34  | 055045-10-8 | 76   |
| 4    |    | Hexadecane                         | 226 | C16H34  | 000544-76-3 | 76   |
| 5    |    | Undecane, 2,6-dimethyl-            | 184 | C13H28  | 017301-23-4 | 72   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX111418\  
Data File : VX006011.D  
Acq On : 15 Nov 2018 08:32  
Operator : JC/MD  
Sample : J5918-07  
Misc : 5.00g/10ml/100ul/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FDSB-11(11-13)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.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 |
| Cyclohexane, 1-me... | 12.47 | 26.5    | ug/l  | 359603   | 4                     | 12.08 | 679183 | 50.0 |
| trans-Decalin, 2-... | 12.88 | 21.8    | ug/l  | 296649   | 4                     | 12.08 | 679183 | 50.0 |
| Cyclohexane, pentyl- | 12.94 | 33.4    | ug/l  | 453481   | 4                     | 12.08 | 679183 | 50.0 |
| 1H-Indene, 2,3-di... | 13.35 | 39.4    | ug/l  | 535119   | 4                     | 12.08 | 679183 | 50.0 |
| Undecane, 3,6-dim... | 13.44 | 35.8    | ug/l  | 485860   | 4                     | 12.08 | 679183 | 50.0 |
| Sulfurous acid, d... | 13.90 | 55.2    | ug/l  | 749728   | 4                     | 12.08 | 679183 | 50.0 |
| Benzene, (1,2-dim... | 14.27 | 20.7    | ug/l  | 281091   | 4                     | 12.08 | 679183 | 50.0 |
| Dodecane, 2,6,11-... | 14.67 | 50.5    | ug/l  | 686252   | 4                     | 12.08 | 679183 | 50.0 |
| Naphthalene, 2-me... | 14.84 | 26.5    | ug/l  | 359695   | 4                     | 12.08 | 679183 | 50.0 |
| Hexadecane, 2,6,1... | 15.28 | 40.8    | ug/l  | 553936   | 4                     | 12.08 | 679183 | 50.0 |