

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\  
 Data File : VW014587.D  
 Acq On : 09 Jan 2020 17:21  
 Operator : SY/VA  
 Sample : L1063-02  
 Misc : 8.69G/5ML/MSVOA W/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 WP022SB451\_200108\_25-27

## 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\_W\METHOD\82W010320S.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      | 1.959    | 4          | 9        | 28        | rVB4  | 18407       | 50862      | 2.02%        | 0.173%     |
| 2      | 2.355    | 66         | 74       | 78        | rBV2  | 12354       | 25557      | 1.01%        | 0.087%     |
| 3      | 3.105    | 195        | 197      | 213       | rVB10 | 10653       | 38532      | 1.53%        | 0.131%     |
| 4      | 4.915    | 481        | 494      | 513       | rBV2  | 42836       | 172280     | 6.84%        | 0.586%     |
| 5      | 5.940    | 651        | 662      | 672       | rBV5  | 9322        | 29369      | 1.17%        | 0.100%     |
| 6      | 7.878    | 970        | 980      | 985       | rBV   | 366992      | 872854     | 34.65%       | 2.970%     |
| 7      | 7.945    | 985        | 991      | 1002      | rVB   | 631183      | 1418665    | 56.33%       | 4.827%     |
| 8      | 8.305    | 1040       | 1050     | 1061      | rBV   | 368900      | 818937     | 32.51%       | 2.787%     |
| 9      | 8.841    | 1129       | 1138     | 1149      | rBV   | 914765      | 1821840    | 72.33%       | 6.199%     |
| 10     | 10.323   | 1372       | 1381     | 1388      | rBV   | 1426970     | 2518696    | 100.00%      | 8.571%     |
| 11     | 10.701   | 1437       | 1443     | 1449      | rVB   | 31998       | 56463      | 2.24%        | 0.192%     |
| 12     | 10.841   | 1462       | 1466     | 1473      | rVB2  | 20452       | 33751      | 1.34%        | 0.115%     |
| 13     | 10.933   | 1473       | 1481     | 1491      | rVB2  | 108927      | 181166     | 7.19%        | 0.616%     |
| 14     | 11.036   | 1492       | 1498     | 1507      | rBV2  | 46884       | 106946     | 4.25%        | 0.364%     |
| 15     | 11.335   | 1541       | 1547     | 1551      | rBV3  | 35977       | 65254      | 2.59%        | 0.222%     |
| 16     | 11.408   | 1551       | 1559     | 1569      | rVB3  | 104698      | 221300     | 8.79%        | 0.753%     |
| 17     | 11.512   | 1569       | 1576     | 1580      | rBV   | 74603       | 128376     | 5.10%        | 0.437%     |
| 18     | 11.628   | 1586       | 1595     | 1604      | rBV   | 1006242     | 1786078    | 70.91%       | 6.078%     |
| 19     | 11.841   | 1619       | 1630     | 1639      | rBV3  | 285049      | 524150     | 20.81%       | 1.784%     |
| 20     | 11.969   | 1646       | 1651     | 1654      | rBV4  | 29772       | 54929      | 2.18%        | 0.187%     |
| 21     | 12.060   | 1661       | 1666     | 1670      | rVB3  | 75275       | 122662     | 4.87%        | 0.417%     |
| 22     | 12.134   | 1670       | 1678     | 1684      | rBV2  | 153003      | 380445     | 15.10%       | 1.295%     |
| 23     | 12.182   | 1684       | 1686     | 1690      | rVV2  | 48655       | 65466      | 2.60%        | 0.223%     |
| 24     | 12.249   | 1690       | 1697     | 1703      | rVB   | 463600      | 756797     | 30.05%       | 2.575%     |
| 25     | 12.329   | 1703       | 1710     | 1712      | rBV3  | 155652      | 294611     | 11.70%       | 1.003%     |
| 26     | 12.359   | 1712       | 1715     | 1721      | rVB   | 227941      | 359450     | 14.27%       | 1.223%     |
| 27     | 12.444   | 1721       | 1729     | 1731      | rBV5  | 71082       | 147536     | 5.86%        | 0.502%     |
| 28     | 12.505   | 1733       | 1739     | 1741      | rVV4  | 134407      | 302856     | 12.02%       | 1.031%     |
| 29     | 12.542   | 1741       | 1745     | 1747      | rVV   | 227956      | 396727     | 15.75%       | 1.350%     |
| 30     | 12.566   | 1747       | 1749     | 1752      | rVV   | 222886      | 264628     | 10.51%       | 0.900%     |
| 31     | 12.615   | 1752       | 1757     | 1767      | rVV3  | 891493      | 1747717    | 69.39%       | 5.947%     |
| 32     | 12.701   | 1767       | 1771     | 1775      | rVB4  | 48817       | 83400      | 3.31%        | 0.284%     |
| 33     | 12.780   | 1781       | 1784     | 1789      | rVB3  | 59083       | 99789      | 3.96%        | 0.340%     |
| 34     | 12.859   | 1789       | 1797     | 1799      | rBV5  | 76531       | 175479     | 6.97%        | 0.597%     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\  
 Data File : VW014587.D  
 Acq On : 09 Jan 2020 17:21  
 Operator : SY/VA  
 Sample : L1063-02  
 Misc : 8.69G/5ML/MSVOA W/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 WP022SB451\_200108\_25-27

## 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\_W\METHOD\82W010320S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 12.926 | 1803 | 1808 | 1822 | rVV4 | 271675 | 795915  | 31.60% | 2.708% |
| 36 | 13.079 | 1828 | 1833 | 1837 | rBV2 | 151542 | 229460  | 9.11%  | 0.781% |
| 37 | 13.127 | 1837 | 1841 | 1843 | rBV2 | 133639 | 199231  | 7.91%  | 0.678% |
| 38 | 13.164 | 1843 | 1847 | 1852 | rVB  | 546759 | 795757  | 31.59% | 2.708% |
| 39 | 13.261 | 1860 | 1863 | 1864 | rBV3 | 29518  | 30938   | 1.23%  | 0.105% |
| 40 | 13.292 | 1864 | 1868 | 1871 | rVB  | 126117 | 161358  | 6.41%  | 0.549% |
| 41 | 13.341 | 1872 | 1876 | 1880 | rBV  | 157565 | 229586  | 9.12%  | 0.781% |
| 42 | 13.444 | 1885 | 1893 | 1896 | rVV5 | 155548 | 378376  | 15.02% | 1.288% |
| 43 | 13.481 | 1896 | 1899 | 1902 | rVV  | 283200 | 438757  | 17.42% | 1.493% |
| 44 | 13.517 | 1902 | 1905 | 1907 | rVV2 | 275066 | 424271  | 16.84% | 1.444% |
| 45 | 13.554 | 1907 | 1911 | 1919 | rVV2 | 920837 | 1627365 | 64.61% | 5.538% |
| 46 | 13.621 | 1919 | 1922 | 1930 | rVV  | 217803 | 408651  | 16.22% | 1.391% |
| 47 | 13.694 | 1931 | 1934 | 1938 | rVV2 | 90528  | 142292  | 5.65%  | 0.484% |
| 48 | 13.737 | 1938 | 1941 | 1945 | rVB4 | 38135  | 50714   | 2.01%  | 0.173% |
| 49 | 13.871 | 1958 | 1963 | 1967 | rBV3 | 206927 | 374251  | 14.86% | 1.274% |
| 50 | 13.914 | 1967 | 1970 | 1977 | rVV5 | 112585 | 203448  | 8.08%  | 0.692% |
| 51 | 13.981 | 1977 | 1981 | 1984 | rVV4 | 125792 | 176990  | 7.03%  | 0.602% |
| 52 | 14.023 | 1985 | 1988 | 1992 | rVV3 | 65094  | 107196  | 4.26%  | 0.365% |
| 53 | 14.133 | 2002 | 2006 | 2011 | rVB3 | 133312 | 208812  | 8.29%  | 0.711% |
| 54 | 14.188 | 2012 | 2015 | 2020 | rVB3 | 79579  | 116937  | 4.64%  | 0.398% |
| 55 | 14.261 | 2020 | 2027 | 2033 | rBV2 | 283770 | 546764  | 21.71% | 1.861% |
| 56 | 14.353 | 2033 | 2042 | 2043 | rBV5 | 126878 | 264769  | 10.51% | 0.901% |
| 57 | 14.414 | 2044 | 2052 | 2061 | rVB  | 580968 | 1485152 | 58.97% | 5.054% |
| 58 | 14.523 | 2062 | 2070 | 2077 | rBV2 | 320922 | 700293  | 27.80% | 2.383% |
| 59 | 14.657 | 2089 | 2092 | 2096 | rBV2 | 49535  | 56902   | 2.26%  | 0.194% |
| 60 | 14.725 | 2099 | 2103 | 2107 | rVV3 | 93626  | 166706  | 6.62%  | 0.567% |
| 61 | 14.798 | 2111 | 2115 | 2118 | rVV4 | 114360 | 210069  | 8.34%  | 0.715% |
| 62 | 14.840 | 2118 | 2122 | 2131 | rVB4 | 198843 | 391396  | 15.54% | 1.332% |
| 63 | 15.005 | 2145 | 2149 | 2154 | rVB  | 184339 | 316559  | 12.57% | 1.077% |
| 64 | 15.072 | 2155 | 2160 | 2164 | rVB  | 92152  | 157860  | 6.27%  | 0.537% |
| 65 | 15.133 | 2165 | 2170 | 2179 | rBV4 | 93496  | 324544  | 12.89% | 1.104% |
| 66 | 15.243 | 2184 | 2188 | 2196 | rVV6 | 146332 | 397296  | 15.77% | 1.352% |
| 67 | 15.322 | 2197 | 2201 | 2208 | rVB2 | 121790 | 214704  | 8.52%  | 0.731% |
| 68 | 15.407 | 2209 | 2215 | 2223 | rBV4 | 132055 | 342920  | 13.61% | 1.167% |
| 69 | 15.493 | 2225 | 2229 | 2236 | rVB3 | 82559  | 179899  | 7.14%  | 0.612% |
| 70 | 15.669 | 2254 | 2258 | 2263 | rVV5 | 32687  | 65186   | 2.59%  | 0.222% |
| 71 | 15.730 | 2264 | 2268 | 2276 | rVB6 | 85947  | 196562  | 7.80%  | 0.669% |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\  
Data File : VW014587.D  
Acq On : 09 Jan 2020 17:21  
Operator : SY/VA  
Sample : L1063-02  
Misc : 8.69G/5ML/MSVOA W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
WP022SB451\_200108\_25-27

## Integration Parameters: RTEINT.P

Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W010320S.M  
Title : SW846 8260

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 72 | 15.858 | 2286 | 2289 | 2293 | rBV4 | 29140 | 54623 | 2.17% | 0.186% |
| 73 | 16.285 | 2356 | 2359 | 2368 | rVB5 | 47198 | 91289 | 3.62% | 0.311% |

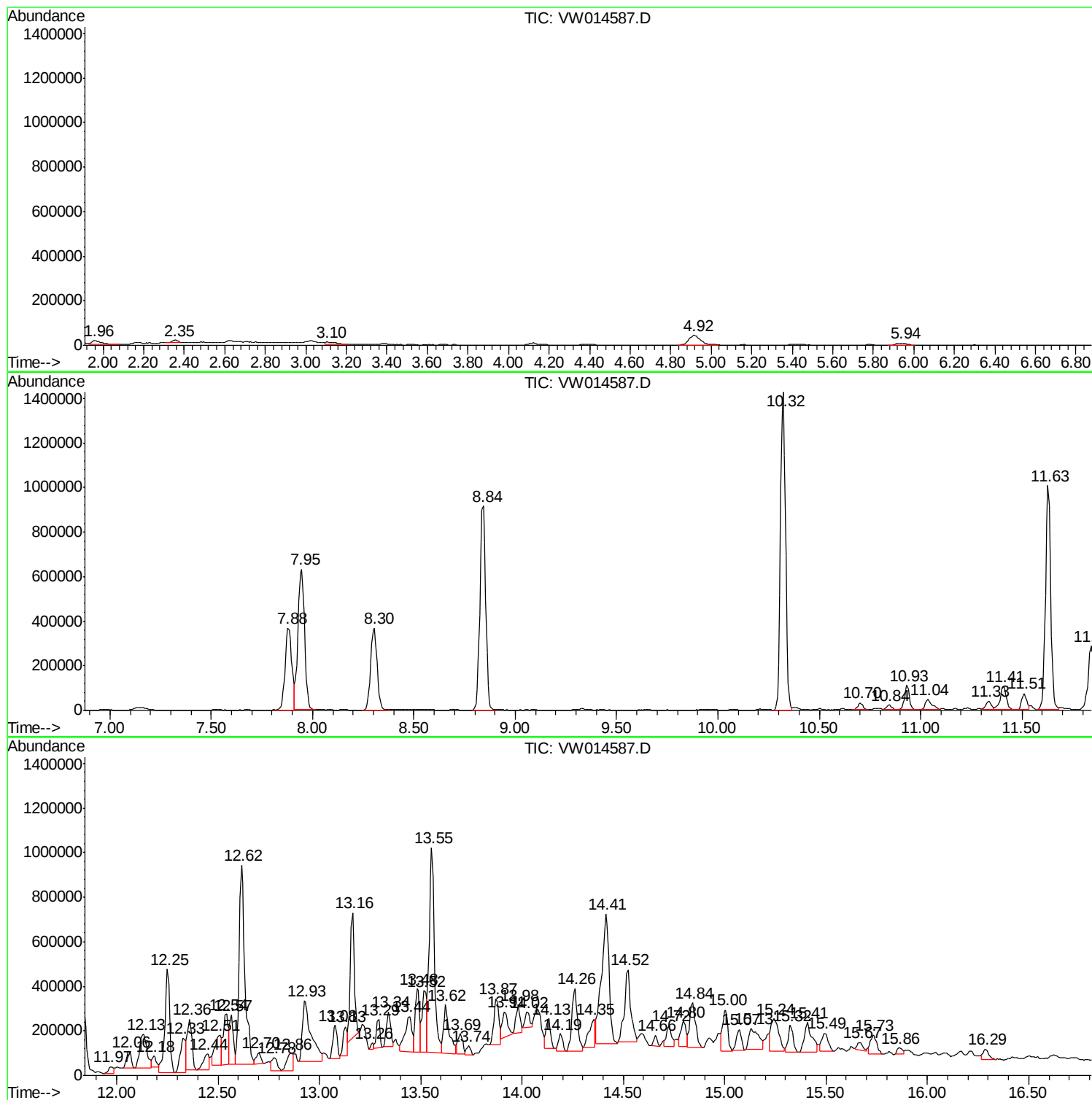
Sum of corrected areas: 29387366

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW010920\  
Data File : VW014587.D  
Acq On : 09 Jan 2020 17:21  
Operator : SY/VA  
Sample : L1063-02  
Misc : 8.69G/5ML/MSVOA W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
WP022SB451\_200108\_25-27

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W010320S.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW010920\  
Data File : VW014587.D  
Acq On : 09 Jan 2020 17:21  
Operator : SY/VA  
Sample : L1063-02  
Misc : 8.69G/5ML/MSVOA W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

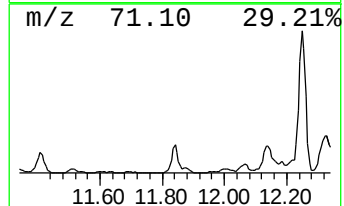
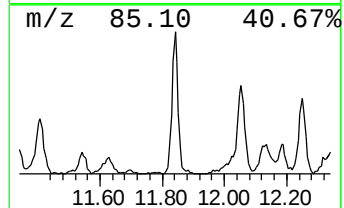
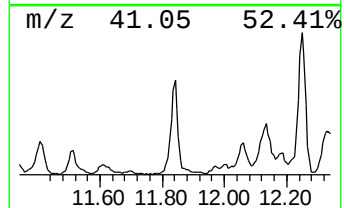
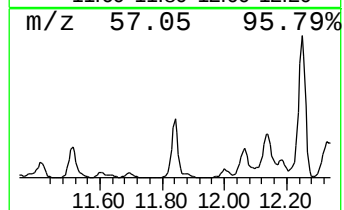
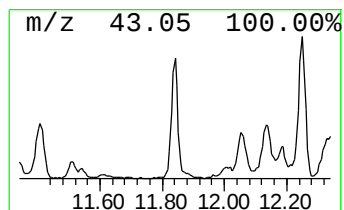
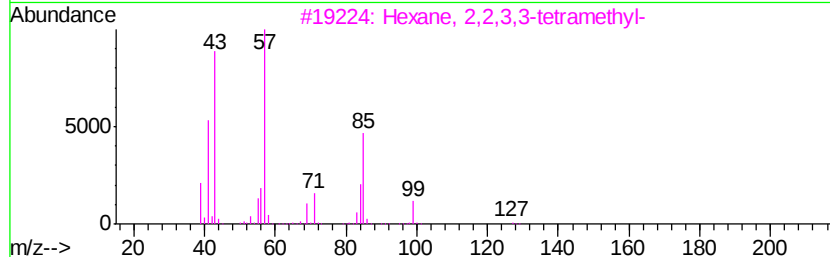
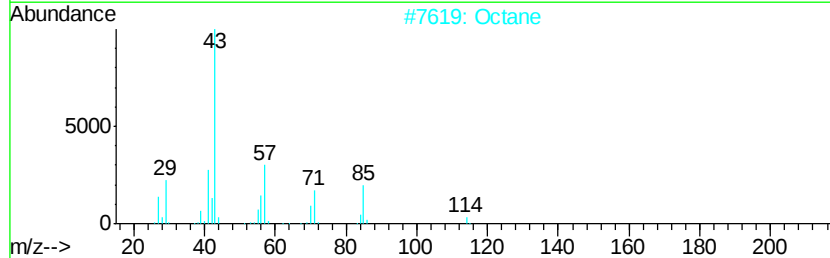
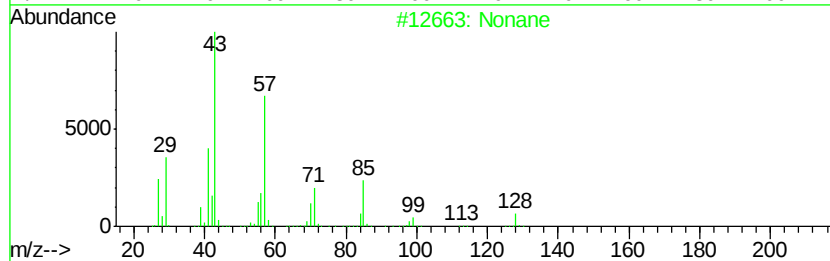
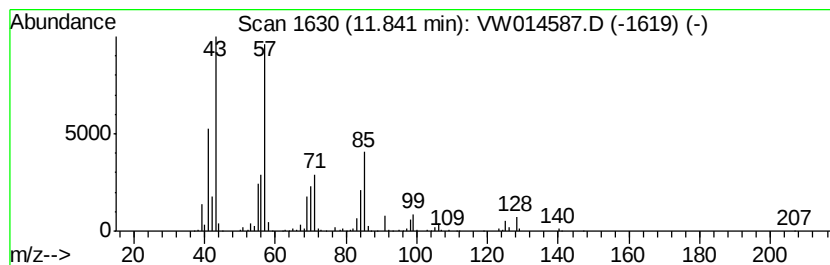
Instrument :  
MSVOA\_W  
ClientSampleId :  
WP022SB451\_200108\_25-27

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W010320S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 1 Nonane Concentration Rank 7

| R.T.    | EstConc                      | Area         | Relative to ISTD | R.T.    |             |      |
|---------|------------------------------|--------------|------------------|---------|-------------|------|
| 11.84   | 14.67 ug/l                   | 524150       | Chlorobenzene-d5 | 11.63   |             |      |
| Hit# of | 5                            | Tentative ID | MW               | MolForm | CAS#        | Qual |
| 1       | Nonane                       |              | 128              | C9H20   | 000111-84-2 | 76   |
| 2       | Octane                       |              | 114              | C8H18   | 000111-65-9 | 53   |
| 3       | Hexane, 2,2,3,3-tetramethyl- |              | 142              | C10H22  | 013475-81-5 | 50   |
| 4       | Octane, 2,4,6-trimethyl-     |              | 156              | C11H24  | 062016-37-9 | 50   |
| 5       | Hexane, 3-ethyl-             |              | 114              | C8H18   | 000619-99-8 | 47   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\  
Data File : VW014587.D  
Acq On : 09 Jan 2020 17:21  
Operator : SY/VA  
Sample : L1063-02  
Misc : 8.69G/5ML/MSVOA W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
WP022SB451\_200108\_25-27

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W010320S.M  
Quant Title : SW846 8260

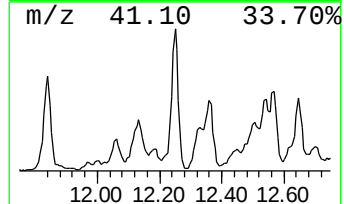
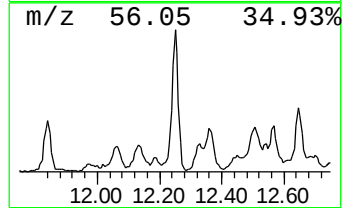
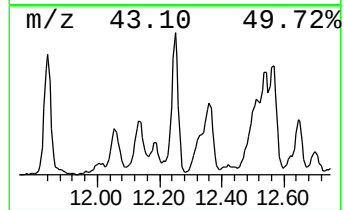
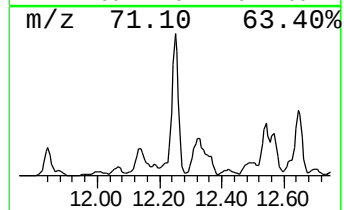
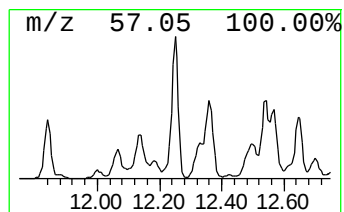
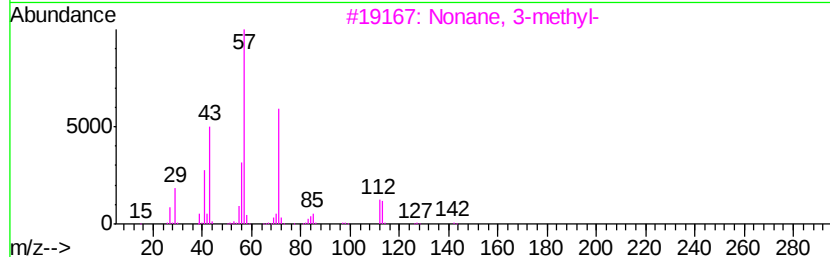
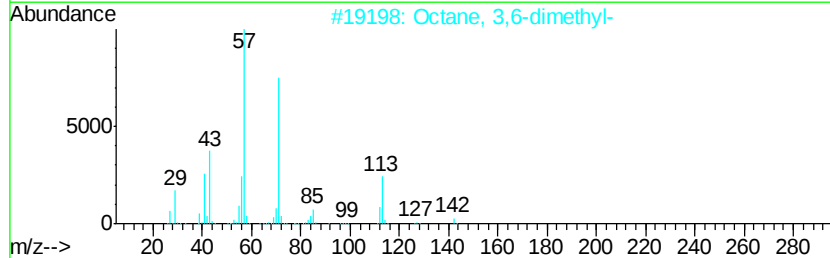
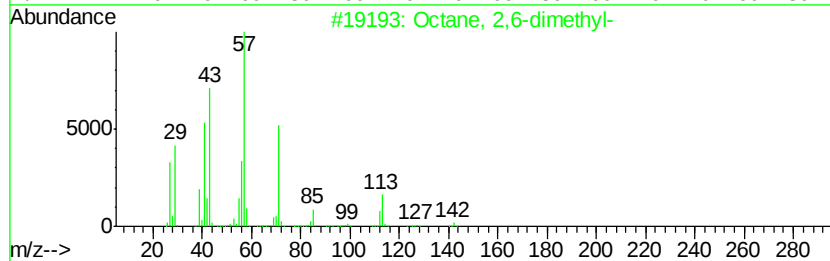
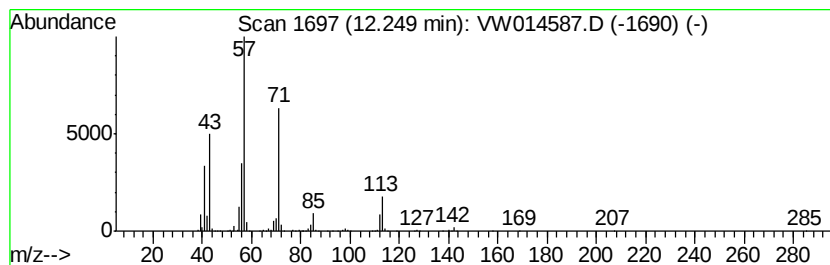
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Octane, 2,6-dimethyl- Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 12.25 | 21.19 ug/l | 756797 | Chlorobenzene-d5 | 11.63 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Octane, 2,6-dimethyl-               | 142 | C10H22    | 002051-30-1  | 91   |
| 2    |    | Octane, 3,6-dimethyl-               | 142 | C10H22    | 015869-94-0  | 91   |
| 3    |    | Nonane, 3-methyl-                   | 142 | C10H22    | 005911-04-6  | 87   |
| 4    |    | Undecane, 6,6-dimethyl-             | 184 | C13H28    | 017312-76-4  | 64   |
| 5    |    | Sulfurous acid, 2-ethylhexyl oct... | 446 | C26H54O3S | 1000309-20-1 | 59   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW010920\  
Data File : VW014587.D  
Acq On : 09 Jan 2020 17:21  
Operator : SY/VA  
Sample : L1063-02  
Misc : 8.69G/5ML/MSVOA W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

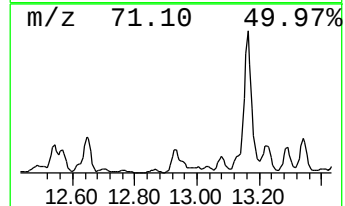
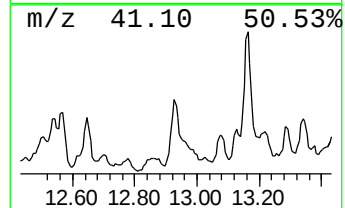
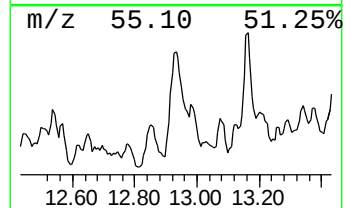
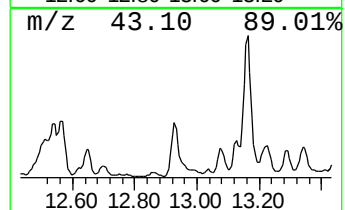
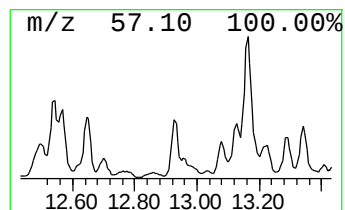
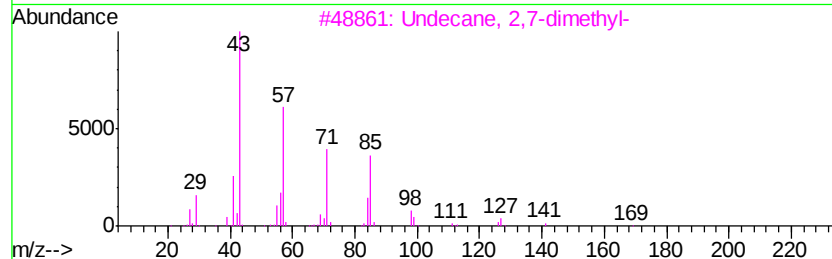
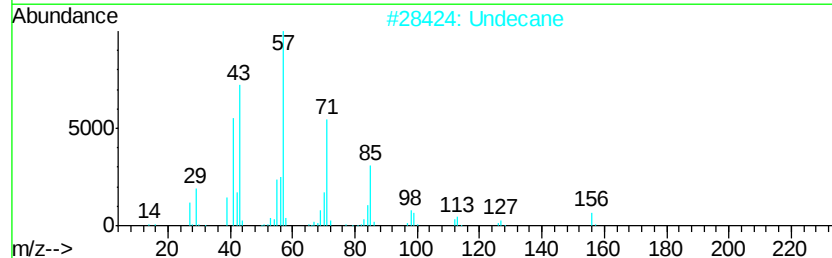
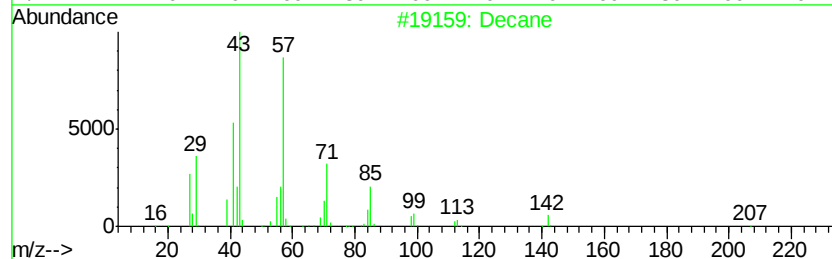
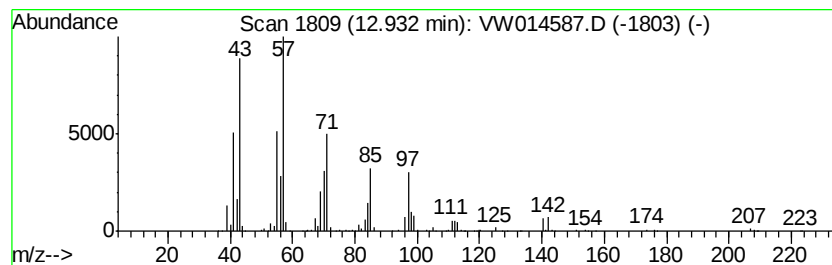
Instrument :  
MSVOA\_W  
ClientSampleId :  
WP022SB451\_200108\_25-27

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W010320S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Decane Concentration Rank 2

| R.T.    | EstConc                            | Area         | Relative to ISTD       | R.T.      |
|---------|------------------------------------|--------------|------------------------|-----------|
| 12.93   | 24.45 ug/l                         | 795915       | 1,4-Dichlorobenzene-d4 | 13.55     |
| Hit# of | 5                                  | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Decane                             | 142 C10H22   | 000124-18-5            | 91        |
| 2       | Undecane                           | 156 C11H24   | 001120-21-4            | 59        |
| 3       | Undecane, 2,7-dimethyl-            | 184 C13H28   | 017301-24-5            | 53        |
| 4       | Octane                             | 114 C8H18    | 000111-65-9            | 53        |
| 5       | Oxalic acid, isohexyl pentyl ester | 244 C13H24O4 | 1000309-32-8           | 50        |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW010920\  
Data File : VW014587.D  
Acq On : 09 Jan 2020 17:21  
Operator : SY/VA  
Sample : L1063-02  
Misc : 8.69G/5ML/MSVOA W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
WP022SB451\_200108\_25-27

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W010320S.M  
Quant Title : SW846 8260

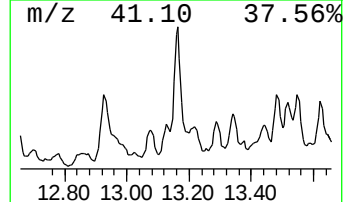
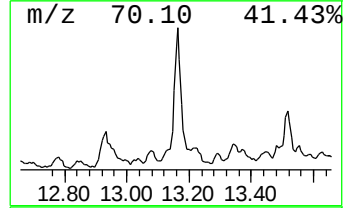
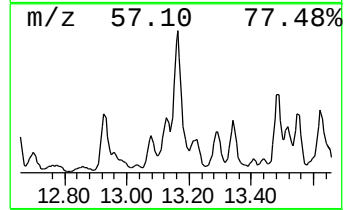
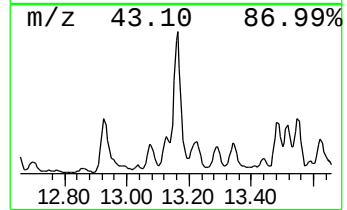
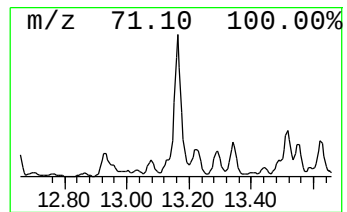
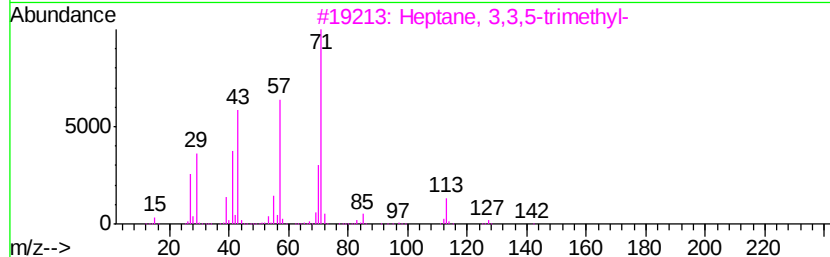
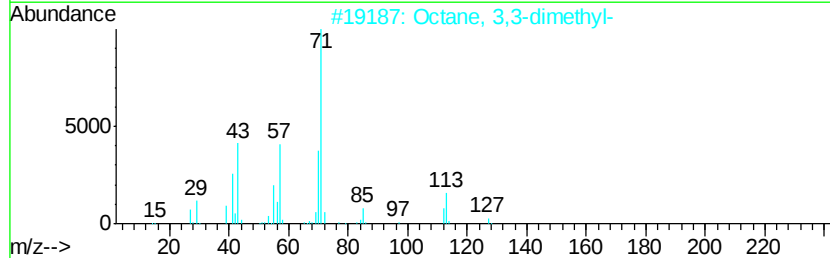
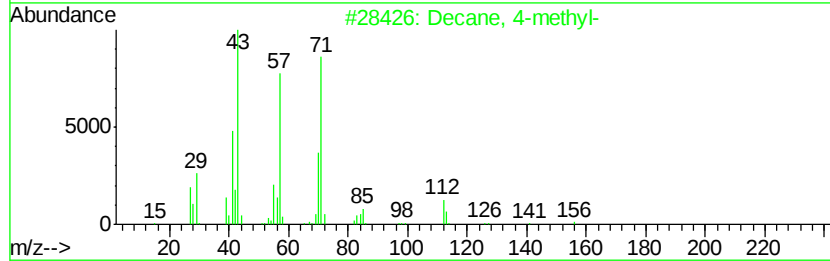
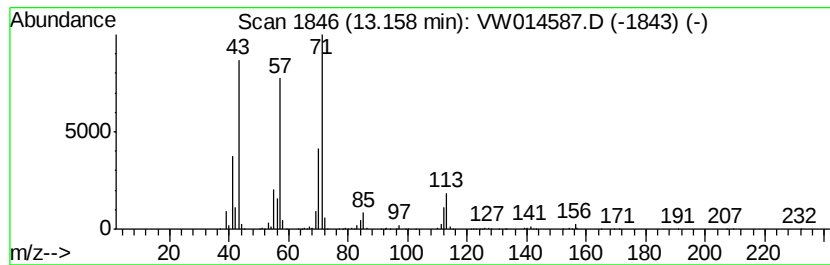
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Decane, 4-methyl- Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 13.16 | 24.45 ug/l | 795757 | 1,4-Dichlorobenzene-d4 | 13.55 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Decane, 4-methyl-                   | 156 | C11H24   | 002847-72-5  | 91   |
| 2    |    | Octane, 3,3-dimethyl-               | 142 | C10H22   | 004110-44-5  | 83   |
| 3    |    | Heptane, 3,3,5-trimethyl-           | 142 | C10H22   | 007154-80-5  | 78   |
| 4    |    | Dodecane, 4-methyl-                 | 184 | C13H28   | 006117-97-1  | 64   |
| 5    |    | Isobutyl 3-methylbutan-2-yl carb... | 188 | C10H20O3 | 1000372-77-0 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW010920\  
 Data File : VW014587.D  
 Acq On : 09 Jan 2020 17:21  
 Operator : SY/VA  
 Sample : L1063-02  
 Misc : 8.69G/5ML/MSVOA W/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 WP022SB451\_200108\_25-27

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W010320S.M  
 Quant Title : SW846 8260

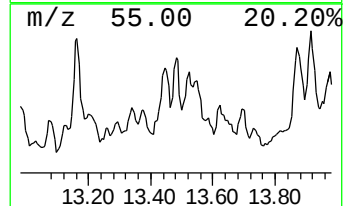
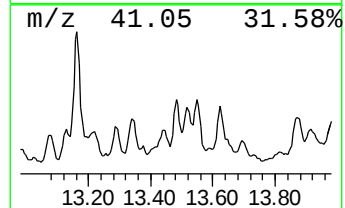
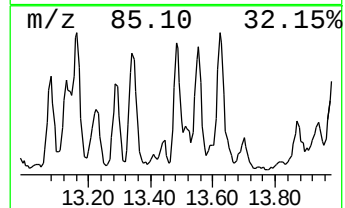
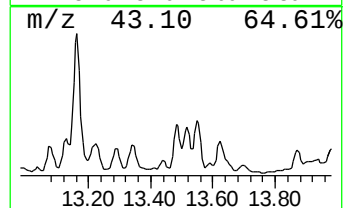
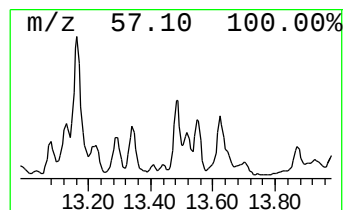
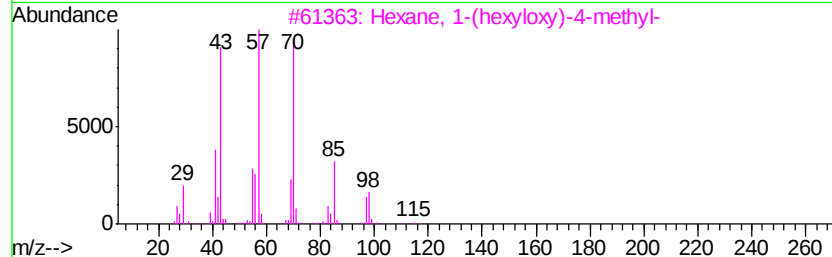
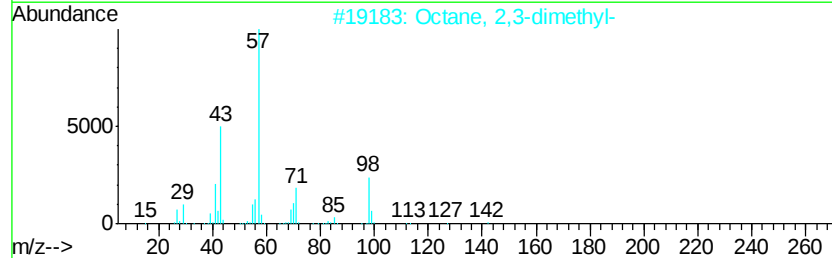
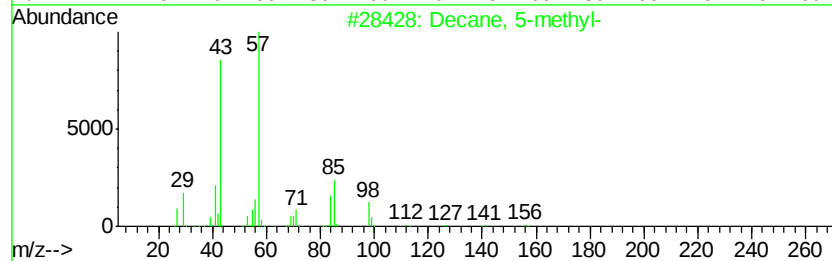
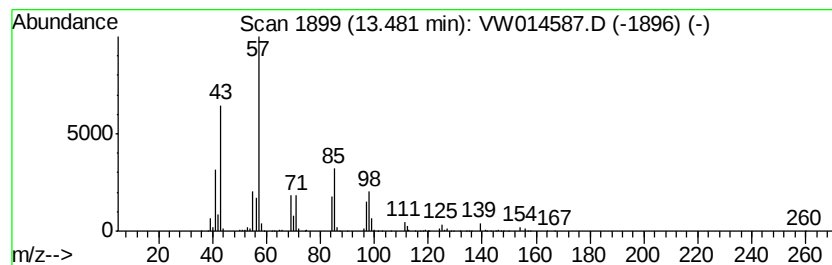
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
 Peak Number 5 Decane, 5-methyl- Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 13.48 | 13.48 ug/l | 438757 | 1,4-Dichlorobenzene-d4 | 13.55 |

| Hit# | of | Tentative ID                       | MW  | MolForm   | CAS#         | Qual |
|------|----|------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Decane, 5-methyl-                  | 156 | C11H24    | 013151-35-4  | 81   |
| 2    |    | Octane, 2,3-dimethyl-              | 142 | C10H22    | 007146-60-3  | 43   |
| 3    |    | Hexane, 1-(hexyloxy)-4-methyl-     | 200 | C13H28O   | 074421-20-8  | 43   |
| 4    |    | Heptane, 3-ethyl-2-methyl-         | 142 | C10H22    | 014676-29-0  | 43   |
| 5    |    | Sulfurous acid, hexyl heptyl ester | 264 | C13H28O3S | 1000309-12-9 | 38   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW010920\  
Data File : VW014587.D  
Acq On : 09 Jan 2020 17:21  
Operator : SY/VA  
Sample : L1063-02  
Misc : 8.69G/5ML/MSVOA W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
WP022SB451\_200108\_25-27

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W010320S.M  
Quant Title : SW846 8260

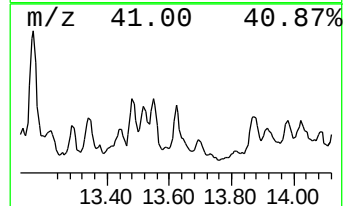
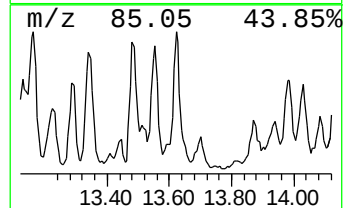
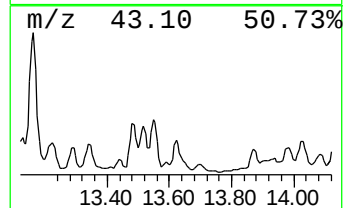
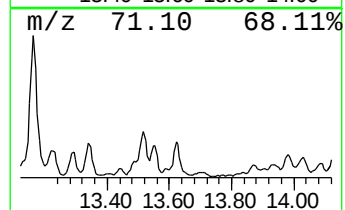
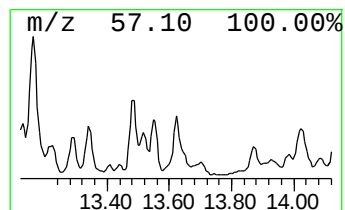
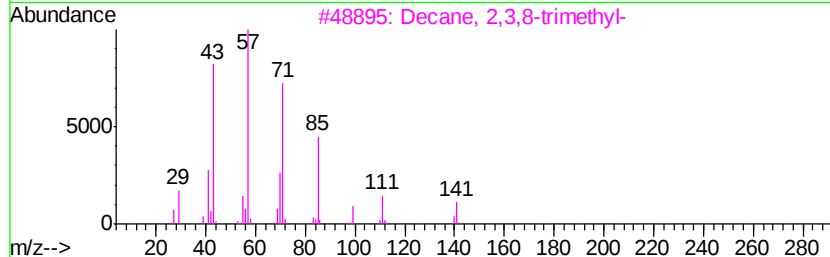
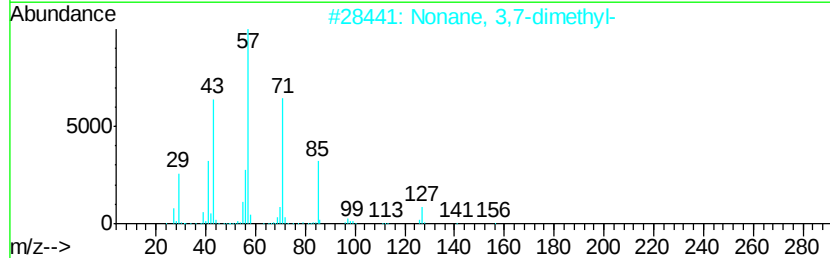
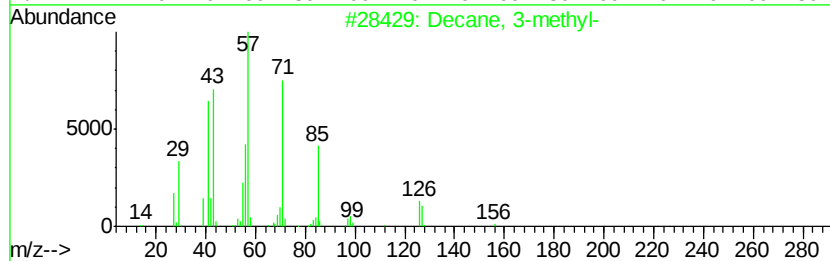
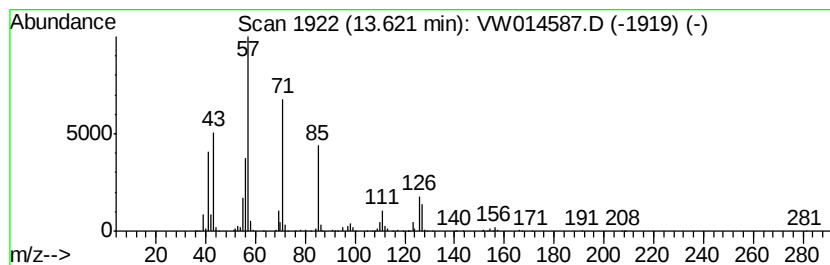
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Decane, 3-methyl- Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 13.62 | 12.56 ug/l | 408651 | 1,4-Dichlorobenzene-d4 | 13.55 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------------|-----|---------|--------------|------|
| 1    | 5  | Decane, 3-methyl-        | 156 | C11H24  | 013151-34-3  | 72   |
| 2    |    | Nonane, 3,7-dimethyl-    | 156 | C11H24  | 017302-32-8  | 64   |
| 3    |    | Decane, 2,3,8-trimethyl- | 184 | C13H28  | 062238-14-6  | 53   |
| 4    |    | 1-Iodo-2-methylnonane    | 268 | C10H21I | 1000101-47-9 | 53   |
| 5    |    | Undecane, 3-methyl-      | 170 | C12H26  | 001002-43-3  | 53   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW010920\  
Data File : VW014587.D  
Acq On : 09 Jan 2020 17:21  
Operator : SY/VA  
Sample : L1063-02  
Misc : 8.69G/5ML/MSVOA W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

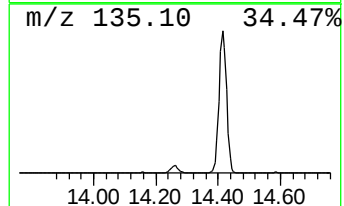
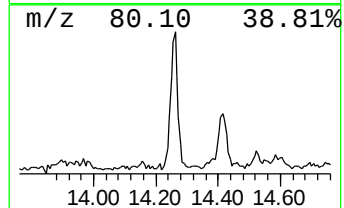
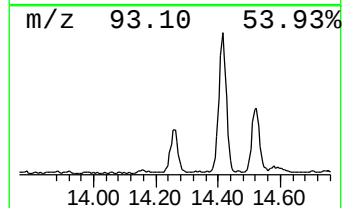
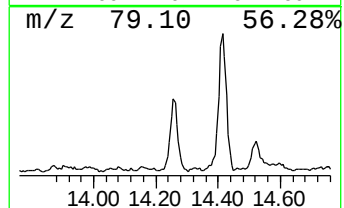
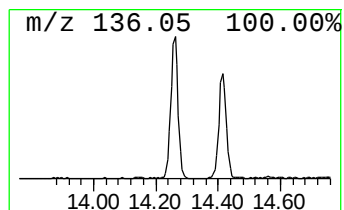
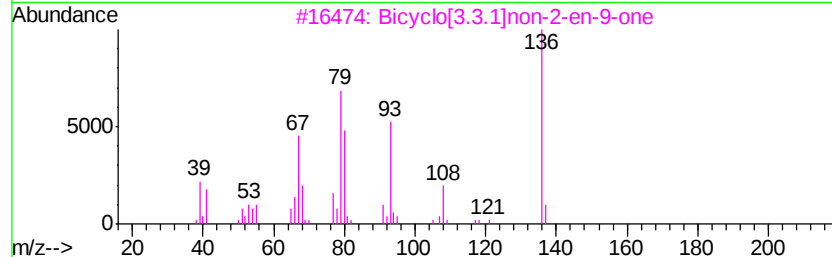
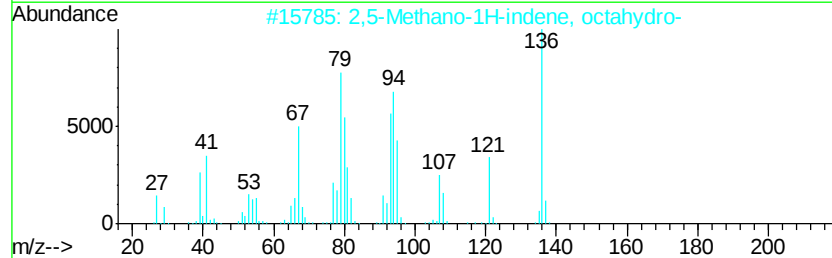
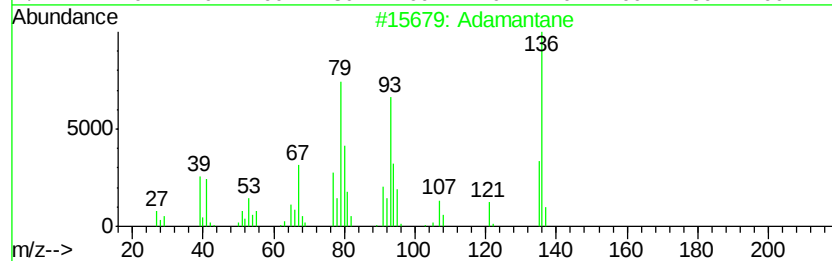
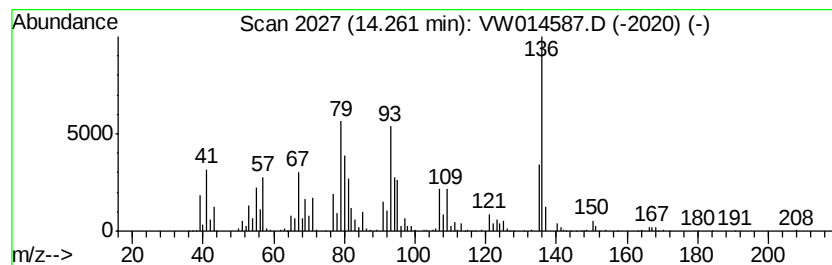
Instrument :  
MSVOA\_W  
ClientSampleId :  
WP022SB451\_200108\_25-27

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W010320S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 7 Adamantane Concentration Rank 6

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.      |
|---------|-------------------------------------|--------------|------------------------|-----------|
| 14.26   | 16.80 ug/l                          | 546764       | 1,4-Dichlorobenzene-d4 | 13.55     |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Adamantane                          | 136 C10H16   | 000281-23-2            | 96        |
| 2       | 2,5-Methano-1H-indene, octahydro-   | 136 C10H16   | 019026-94-9            | 64        |
| 3       | Bicyclo[3.3.1]non-2-en-9-one        | 136 C9H12O   | 004844-11-5            | 58        |
| 4       | 2.alpha., 4a.beta., 8a.alpha.-De... | 154 C10H18O  | 005779-35-1            | 49        |
| 5       | .gamma.-Terpinene                   | 136 C10H16   | 000099-85-4            | 47        |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW010920\  
Data File : VW014587.D  
Acq On : 09 Jan 2020 17:21  
Operator : SY/VA  
Sample : L1063-02  
Misc : 8.69G/5ML/MSVOA W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

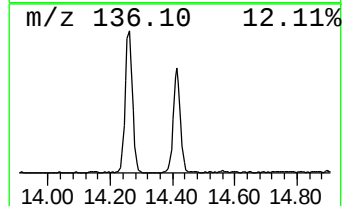
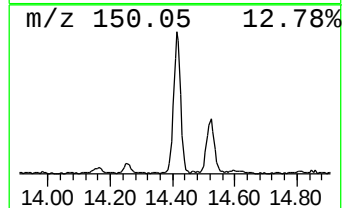
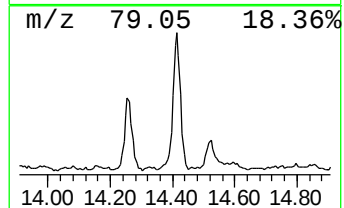
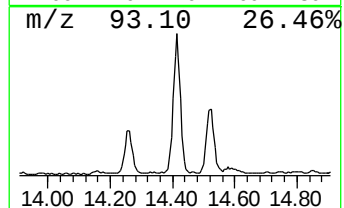
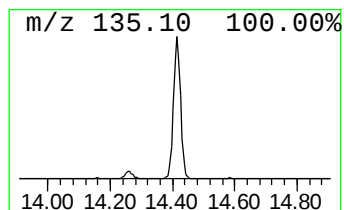
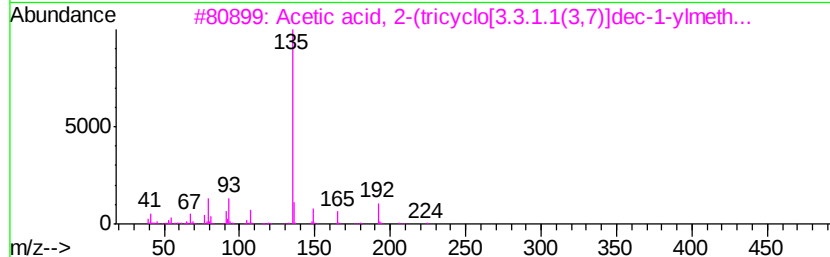
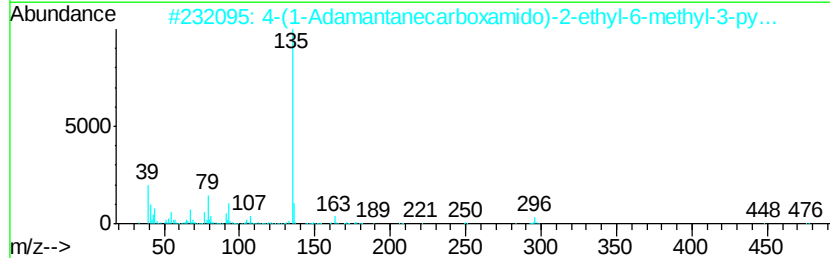
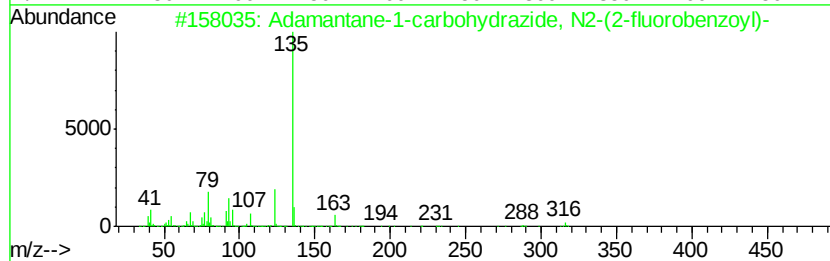
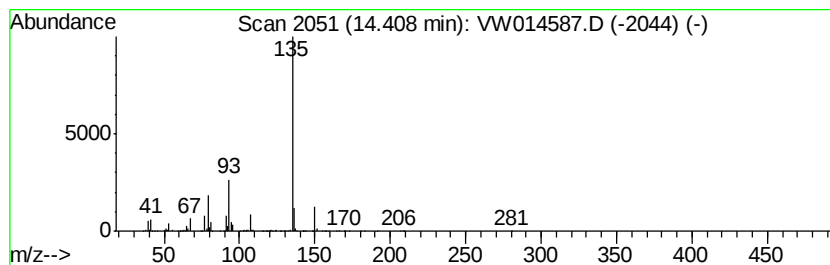
Instrument :  
MSVOA\_W  
ClientSampleId :  
WP022SB451\_200108\_25-27

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W010320S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 8 Adamantane-1-carbohydrazide... Concentration Rank 1

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.         |              |      |
|---------|------------|-------------------------------------|------------------------|--------------|--------------|------|
| 14.41   | 45.63 ug/l | 1485150                             | 1,4-Dichlorobenzene-d4 | 13.55        |              |      |
| Hit# of | 5          | Tentative ID                        | MW                     | MolForm      | CAS#         | Qual |
| 1       |            | Adamantane-1-carbohydrazide, N2-... | 316                    | C18H21FN2O2  | 332037-11-3  | 64   |
| 2       |            | 4-(1-Adamantanecarboxamido)-2-et... | 476                    | C30H40N2O3   | 143413-39-2  | 64   |
| 3       |            | Acetic acid, 2-(tricyclo[3.3.1.1... | 224                    | C13H20O3     | 1000337-87-6 | 64   |
| 4       |            | 1-Adamantanecarboxylic acid chlo... | 198                    | C11H15ClO    | 002094-72-6  | 64   |
| 5       |            | N-Adamantan-1-ylmethyl-2-chloro-... | 348                    | C18H21ClN2O3 | 227327-87-9  | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW010920\  
Data File : VW014587.D  
Acq On : 09 Jan 2020 17:21  
Operator : SY/VA  
Sample : L1063-02  
Misc : 8.69G/5ML/MSVOA W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
WP022SB451\_200108\_25-27

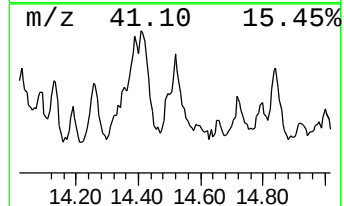
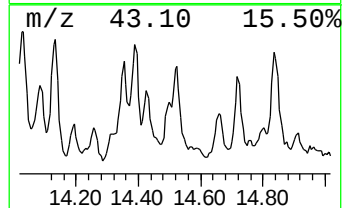
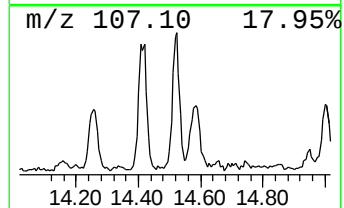
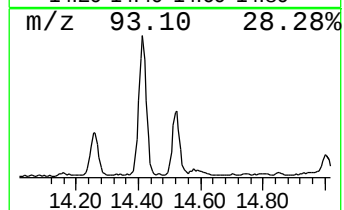
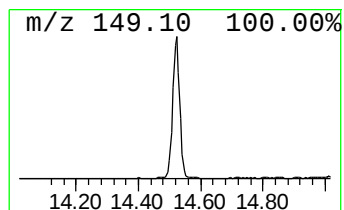
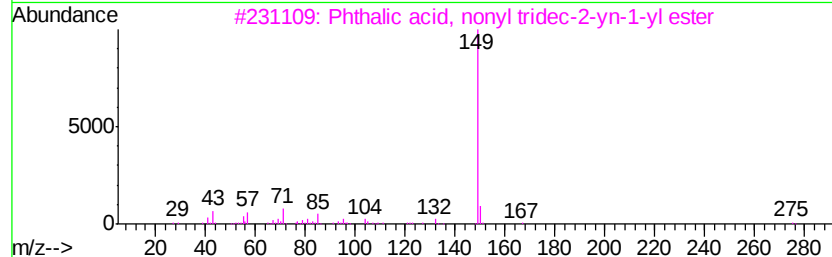
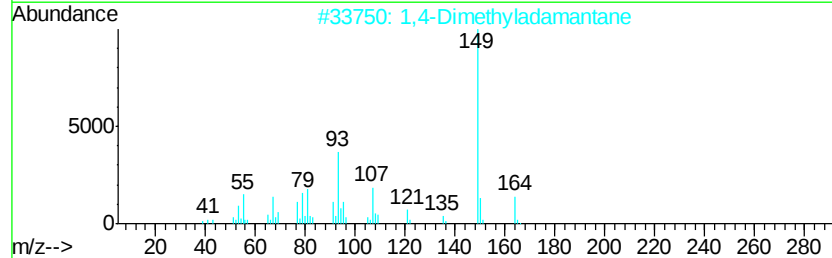
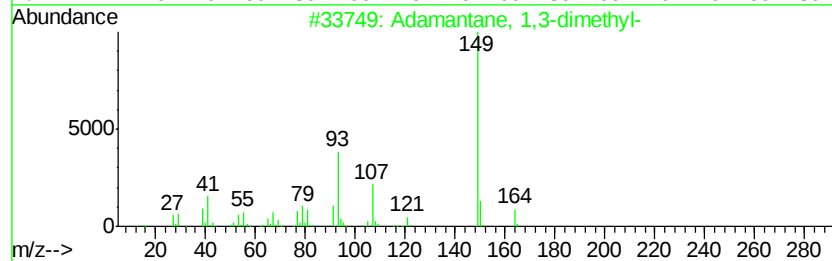
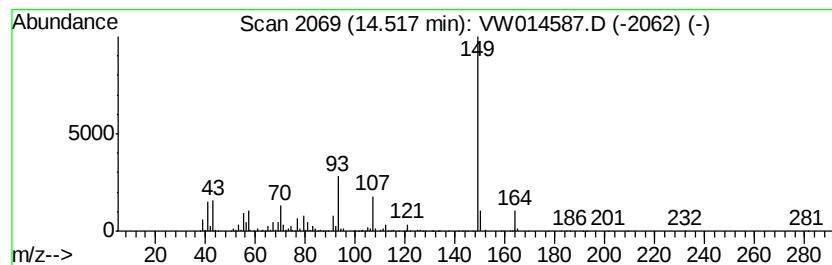
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W010320S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 9 Adamantane, 1,3-dimethyl- Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.52 | 21.52 ug/l | 700293 | 1,4-Dichlorobenzene-d4 | 13.55 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Adamantane, 1,3-dimethyl-           | 164 | C12H20   | 000702-79-4  | 83   |
| 2    |    | 1,4-Dimethyladamantane              | 164 | C12H20   | 024145-89-9  | 64   |
| 3    |    | Phthalic acid, nonyl tridec-2-yn... | 470 | C30H46O4 | 1000315-44-2 | 50   |
| 4    |    | Tricyclo[3.3.1.1(3,7)]decanone, ... | 276 | C10H13IO | 056781-85-2  | 47   |
| 5    |    | 1,4-Dimethyladamantane              | 164 | C12H20   | 024145-88-8  | 45   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW010920\  
Data File : VW014587.D  
Acq On : 09 Jan 2020 17:21  
Operator : SY/VA  
Sample : L1063-02  
Misc : 8.69G/5ML/MSVOA W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
WP022SB451\_200108\_25-27

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W010320S.M  
Quant Title : SW846 8260

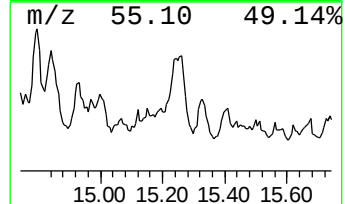
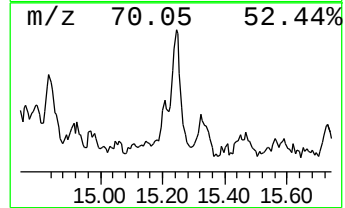
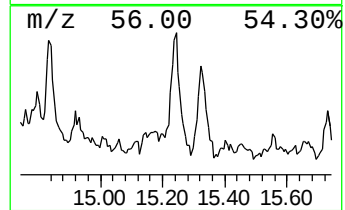
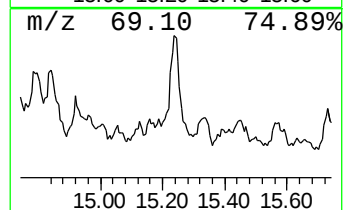
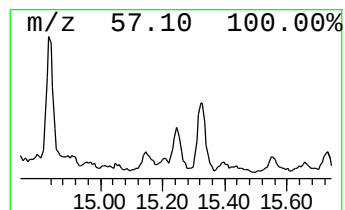
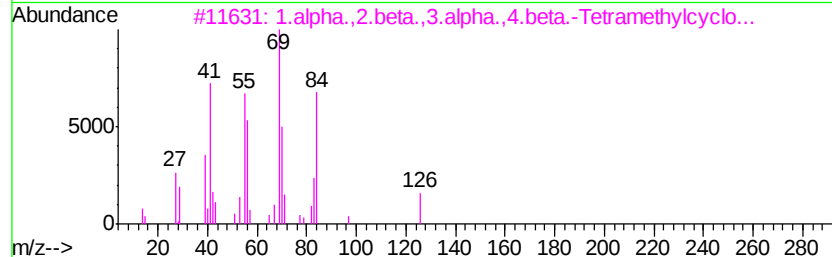
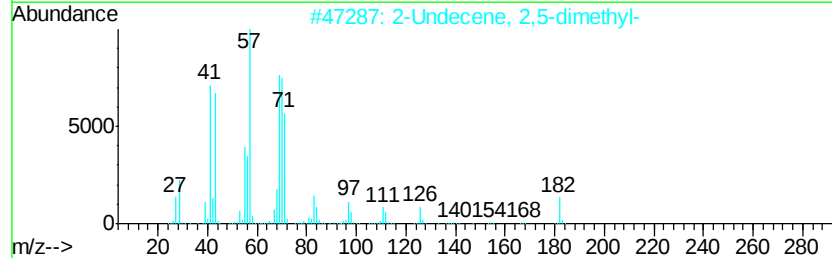
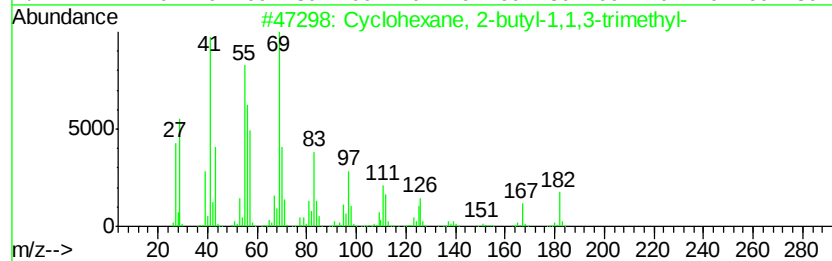
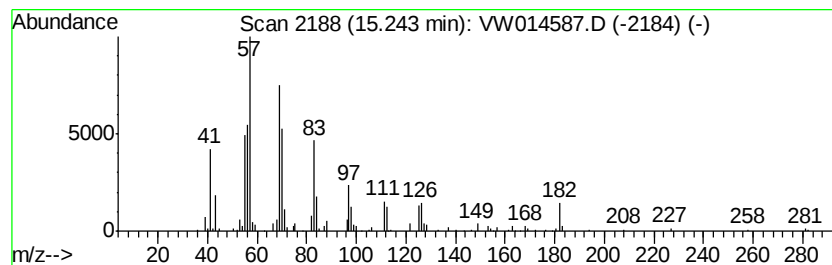
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.24 | 12.21 ug/l | 397296 | 1,4-Dichlorobenzene-d4 | 13.55 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 2-butyl-1,1,3-trime... | 182 | C13H26  | 054676-39-0 | 93   |
| 2    |    | 2-Undecene, 2,5-dimethyl-           | 182 | C13H26  | 049622-16-4 | 53   |
| 3    |    | 1.alpha.,2.beta.,3.alpha.,4.beta... | 126 | C9H18   | 002532-67-4 | 52   |
| 4    |    | Cyclopentane, propyl-               | 112 | C8H16   | 002040-96-2 | 46   |
| 5    |    | 2-Methyl-1-dodecene                 | 182 | C13H26  | 016435-49-7 | 45   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW010920\  
Data File : VW014587.D  
Acq On : 09 Jan 2020 17:21  
Operator : SY/VA  
Sample : L1063-02  
Misc : 8.69G/5ML/MSVOA\_W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
WP022SB451\_200108\_25-27

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W010320S.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 |
| Nonane               | 11.84 | 14.7    | ug/l  | 524150   | 3                     | 11.63 | 1786080 | 50.0 |
| Octane, 2,6-dimet... | 12.25 | 21.2    | ug/l  | 756797   | 3                     | 11.63 | 1786080 | 50.0 |
| Decane               | 12.93 | 24.4    | ug/l  | 795915   | 4                     | 13.55 | 1627370 | 50.0 |
| Decane, 4-methyl-    | 13.16 | 24.4    | ug/l  | 795757   | 4                     | 13.55 | 1627370 | 50.0 |
| Decane, 5-methyl-    | 13.48 | 13.5    | ug/l  | 438757   | 4                     | 13.55 | 1627370 | 50.0 |
| Decane, 3-methyl-    | 13.62 | 12.6    | ug/l  | 408651   | 4                     | 13.55 | 1627370 | 50.0 |
| Adamantane           | 14.26 | 16.8    | ug/l  | 546764   | 4                     | 13.55 | 1627370 | 50.0 |
| Adamantane-1-carb... | 14.41 | 45.6    | ug/l  | 1485150  | 4                     | 13.55 | 1627370 | 50.0 |
| Adamantane, 1,3-d... | 14.52 | 21.5    | ug/l  | 700293   | 4                     | 13.55 | 1627370 | 50.0 |
| Cyclohexane, 2-bu... | 15.24 | 12.2    | ug/l  | 397296   | 4                     | 13.55 | 1627370 | 50.0 |