

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW010820\  
 Data File : VW014562.D  
 Acq On : 08 Jan 2020 16:22  
 Operator : SY/VA  
 Sample : L1056-02  
 Misc : 6.73G/5ML/MSVOA W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 WP022SB447\_200106\_33-34

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<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         | 4.123       | 354           | 364         | 373          | rBV      | 16657          | 46390         | 1.84%           | 0.153%        |
| 2         | 4.915       | 482           | 494         | 514          | rBV3     | 49721          | 186717        | 7.40%           | 0.618%        |
| 3         | 7.134       | 848           | 858         | 877          | rBV2     | 19666          | 75141         | 2.98%           | 0.249%        |
| 4         | 7.884       | 969           | 981         | 985          | rBV      | 348370         | 833382        | 33.05%          | 2.756%        |
| 5         | 7.945       | 985           | 991         | 1001         | rVB      | 782970         | 1720333       | 68.22%          | 5.690%        |
| 6         | 8.305       | 1038          | 1050        | 1060         | rBV      | 331548         | 727893        | 28.87%          | 2.408%        |
| 7         | 8.841       | 1127          | 1138        | 1148         | rBV      | 1137888        | 2224715       | 88.23%          | 7.358%        |
| 8         | 10.323      | 1373          | 1381        | 1388         | rBV      | 1441328        | 2521624       | 100.00%         | 8.340%        |
| 9         | 10.701      | 1435          | 1443        | 1449         | rBV      | 18838          | 34798         | 1.38%           | 0.115%        |
| 10        | 10.932      | 1472          | 1481        | 1491         | rVB2     | 51248          | 98216         | 3.89%           | 0.325%        |
| 11        | 11.036      | 1493          | 1498        | 1507         | rBV      | 26863          | 57878         | 2.30%           | 0.191%        |
| 12        | 11.335      | 1541          | 1547        | 1551         | rBV3     | 24282          | 43598         | 1.73%           | 0.144%        |
| 13        | 11.408      | 1552          | 1559        | 1569         | rVB3     | 84754          | 183260        | 7.27%           | 0.606%        |
| 14        | 11.512      | 1569          | 1576        | 1579         | rBV      | 62162          | 104946        | 4.16%           | 0.347%        |
| 15        | 11.627      | 1586          | 1595        | 1604         | rBV      | 1309588        | 2304930       | 91.41%          | 7.624%        |
| 16        | 11.841      | 1620          | 1630        | 1645         | rBV3     | 344371         | 646753        | 25.65%          | 2.139%        |
| 17        | 11.975      | 1646          | 1652        | 1654         | rBV5     | 42119          | 75088         | 2.98%           | 0.248%        |
| 18        | 12.060      | 1661          | 1666        | 1671         | rVB2     | 111978         | 186407        | 7.39%           | 0.617%        |
| 19        | 12.133      | 1671          | 1678        | 1684         | rBV3     | 241154         | 560826        | 22.24%          | 1.855%        |
| 20        | 12.182      | 1684          | 1686        | 1689         | rVB      | 56370          | 62339         | 2.47%           | 0.206%        |
| 21        | 12.249      | 1689          | 1697        | 1703         | rVB      | 737958         | 1198303       | 47.52%          | 3.963%        |
| 22        | 12.329      | 1703          | 1710        | 1712         | rBV3     | 222872         | 424965        | 16.85%          | 1.406%        |
| 23        | 12.359      | 1712          | 1715        | 1721         | rVB      | 354312         | 553430        | 21.95%          | 1.830%        |
| 24        | 12.444      | 1722          | 1729        | 1732         | rBV3     | 113991         | 247229        | 9.80%           | 0.818%        |
| 25        | 12.505      | 1732          | 1739        | 1741         | rBV4     | 161637         | 314893        | 12.49%          | 1.042%        |
| 26        | 12.542      | 1741          | 1745        | 1747         | rBV      | 189023         | 231428        | 9.18%           | 0.765%        |
| 27        | 12.566      | 1747          | 1749        | 1752         | rVB      | 323348         | 341102        | 13.53%          | 1.128%        |
| 28        | 12.615      | 1752          | 1757        | 1761         | rBV      | 858006         | 1393873       | 55.28%          | 4.610%        |
| 29        | 12.926      | 1803          | 1808        | 1828         | rBV5     | 485425         | 1315658       | 52.18%          | 4.352%        |
| 30        | 13.078      | 1828          | 1833        | 1837         | rBV2     | 164496         | 245584        | 9.74%           | 0.812%        |
| 31        | 13.127      | 1837          | 1841        | 1843         | rBV2     | 140085         | 206886        | 8.20%           | 0.684%        |
| 32        | 13.164      | 1843          | 1847        | 1853         | rVV      | 540627         | 789417        | 31.31%          | 2.611%        |
| 33        | 13.261      | 1860          | 1863        | 1865         | rBV2     | 55295          | 75039         | 2.98%           | 0.248%        |
| 34        | 13.292      | 1865          | 1868        | 1871         | rVB      | 125804         | 152863        | 6.06%           | 0.506%        |

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Sample : L1056-02  
Misc : 6.73G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
WP022SB447\_200106\_33-34

## 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 | 13.341 | 1872 | 1876 | 1880 | rBV3 | 173401  | 269284  | 10.68% | 0.891% |
| 36 | 13.444 | 1886 | 1893 | 1896 | rBV5 | 175296  | 405107  | 16.07% | 1.340% |
| 37 | 13.481 | 1896 | 1899 | 1902 | rVV2 | 284681  | 421694  | 16.72% | 1.395% |
| 38 | 13.517 | 1902 | 1905 | 1907 | rVV3 | 233382  | 348578  | 13.82% | 1.153% |
| 39 | 13.554 | 1907 | 1911 | 1919 | rVV  | 1102679 | 1918018 | 76.06% | 6.344% |
| 40 | 13.621 | 1919 | 1922 | 1929 | rVV2 | 177415  | 272233  | 10.80% | 0.900% |
| 41 | 13.694 | 1931 | 1934 | 1938 | rVV2 | 94782   | 132819  | 5.27%  | 0.439% |
| 42 | 13.737 | 1938 | 1941 | 1945 | rVB5 | 45716   | 59892   | 2.38%  | 0.198% |
| 43 | 13.871 | 1958 | 1963 | 1967 | rBV3 | 313983  | 565633  | 22.43% | 1.871% |
| 44 | 13.914 | 1967 | 1970 | 1975 | rVV2 | 172954  | 272262  | 10.80% | 0.901% |
| 45 | 13.975 | 1976 | 1980 | 1985 | rVV2 | 156929  | 262092  | 10.39% | 0.867% |
| 46 | 14.261 | 2021 | 2027 | 2034 | rBV2 | 418449  | 771590  | 30.60% | 2.552% |
| 47 | 14.413 | 2041 | 2052 | 2061 | rVB2 | 568364  | 1709504 | 67.79% | 5.654% |
| 48 | 14.523 | 2066 | 2070 | 2078 | rVB2 | 249579  | 557313  | 22.10% | 1.843% |
| 49 | 14.724 | 2100 | 2103 | 2107 | rVB4 | 50724   | 64752   | 2.57%  | 0.214% |
| 50 | 14.798 | 2111 | 2115 | 2119 | rBV2 | 83508   | 127924  | 5.07%  | 0.423% |
| 51 | 14.926 | 2132 | 2136 | 2140 | rBV3 | 61266   | 110361  | 4.38%  | 0.365% |
| 52 | 14.968 | 2140 | 2143 | 2144 | rVV2 | 85320   | 97452   | 3.86%  | 0.322% |
| 53 | 15.005 | 2145 | 2149 | 2154 | rVB  | 292549  | 495091  | 19.63% | 1.638% |
| 54 | 15.072 | 2155 | 2160 | 2164 | rVB  | 86902   | 140479  | 5.57%  | 0.465% |
| 55 | 15.127 | 2165 | 2169 | 2173 | rBV2 | 76265   | 137156  | 5.44%  | 0.454% |
| 56 | 15.243 | 2181 | 2188 | 2198 | rVB8 | 107296  | 393047  | 15.59% | 1.300% |
| 57 | 15.407 | 2208 | 2215 | 2223 | rBV7 | 125497  | 340290  | 13.49% | 1.126% |
| 58 | 15.743 | 2266 | 2270 | 2276 | rVB8 | 57952   | 116779  | 4.63%  | 0.386% |
| 59 | 15.858 | 2286 | 2289 | 2294 | rBV4 | 32082   | 58663   | 2.33%  | 0.194% |

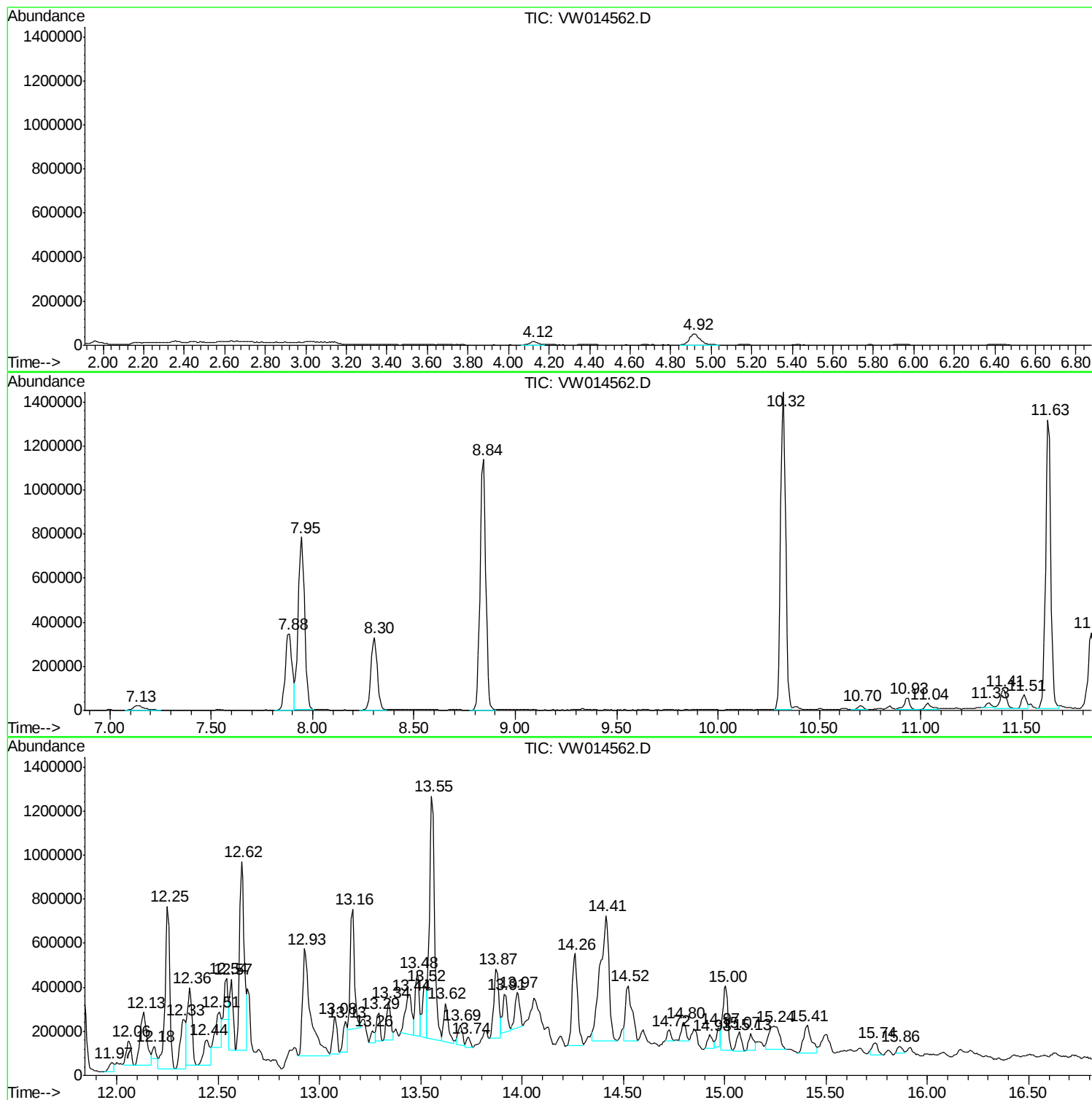
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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
WP022SB447\_200106\_33-34

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



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Data File : VW014562.D  
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Operator : SY/VA  
Sample : L1056-02  
Misc : 6.73G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

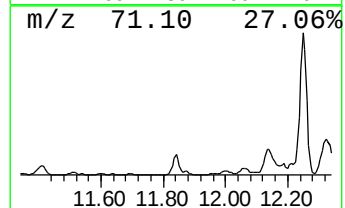
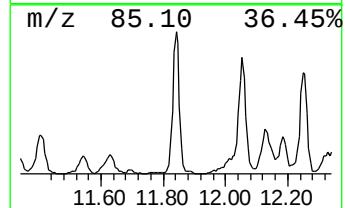
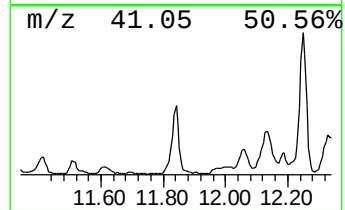
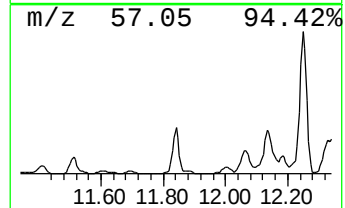
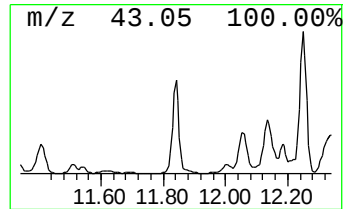
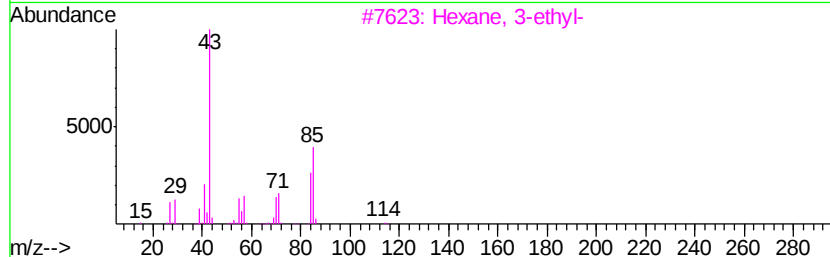
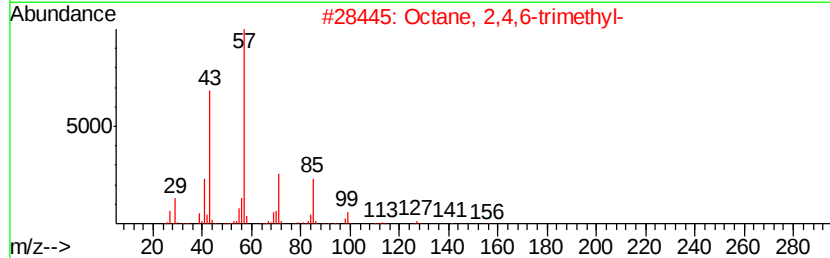
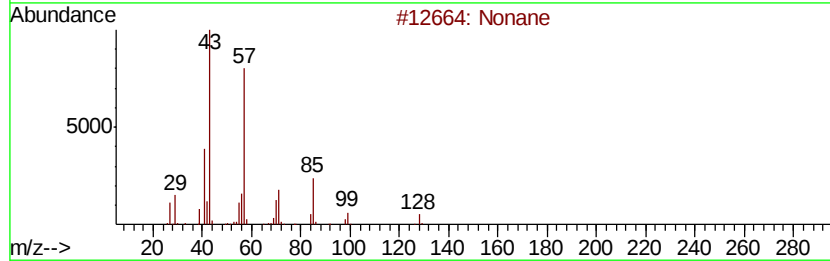
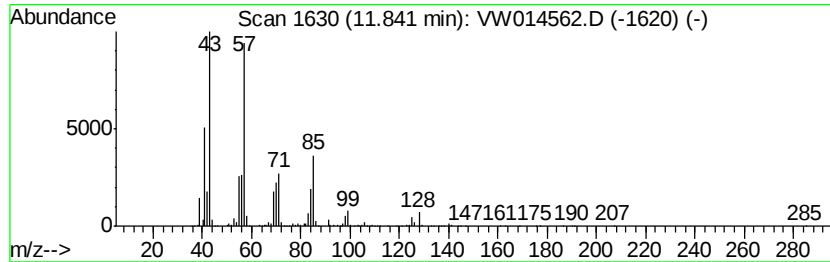
Instrument :  
MSVOA\_W  
ClientSampleId :  
WP022SB447\_200106\_33-34

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

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Peak Number 1 Nonane Concentration Rank 8

| R.T.    | EstConc    | Area                         | Relative to ISTD | R.T.    |             |      |
|---------|------------|------------------------------|------------------|---------|-------------|------|
| 11.84   | 14.03 ug/l | 646753                       | Chlorobenzene-d5 | 11.63   |             |      |
| Hit# of | 5          | Tentative ID                 | MW               | MolForm | CAS#        | Qual |
| 1       |            | Nonane                       | 128              | C9H20   | 000111-84-2 | 87   |
| 2       |            | Octane, 2,4,6-trimethyl-     | 156              | C11H24  | 062016-37-9 | 50   |
| 3       |            | Hexane, 3-ethyl-             | 114              | C8H18   | 000619-99-8 | 50   |
| 4       |            | Octane                       | 114              | C8H18   | 000111-65-9 | 50   |
| 5       |            | Hexane, 2,2,3,3-tetramethyl- | 142              | C10H22  | 013475-81-5 | 47   |



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Misc : 6.73G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

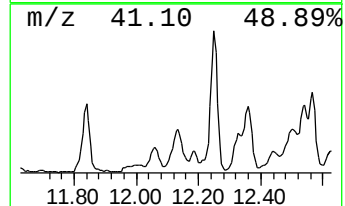
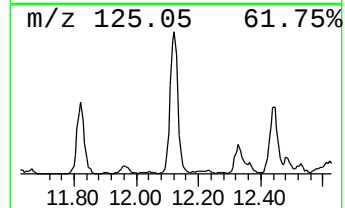
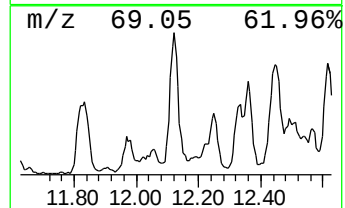
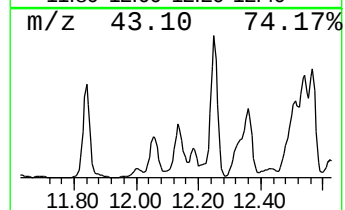
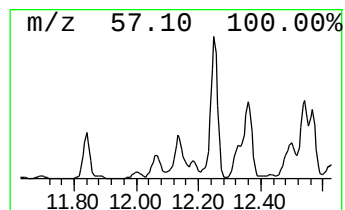
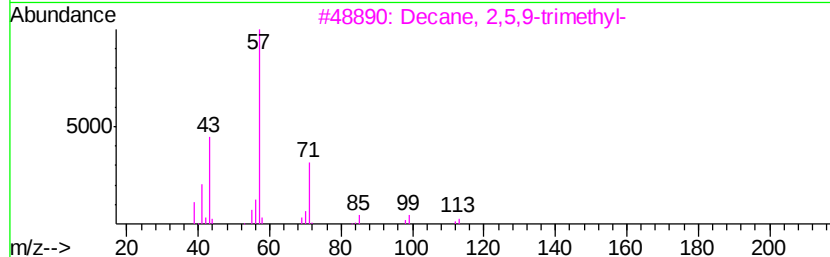
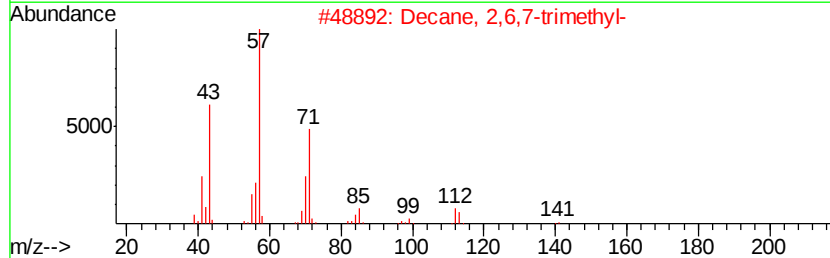
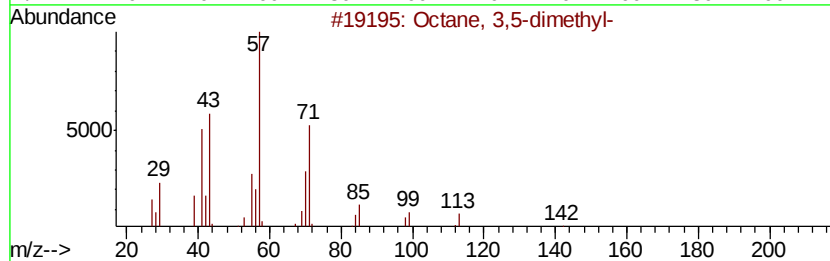
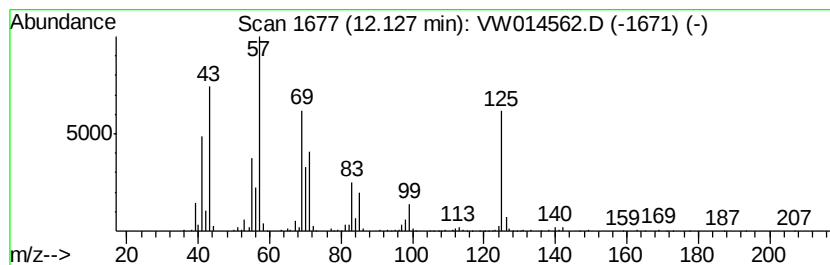
Instrument :  
MSVOA\_W  
ClientSampleId :  
WP022SB447\_200106\_33-34

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

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Peak Number 2 Octane, 3,5-dimethyl- Concentration Rank 10

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.      |              |      |
|---------|------------|-------------------------------------|------------------|-----------|--------------|------|
| 12.13   | 12.17 ug/l | 560826                              | Chlorobenzene-d5 | 11.63     |              |      |
| Hit# of | 5          | Tentative ID                        | MW               | MolForm   | CAS#         | Qual |
| 1       |            | Octane, 3,5-dimethyl-               | 142              | C10H22    | 015869-93-9  | 64   |
| 2       |            | Decane, 2,6,7-trimethyl-            | 184              | C13H28    | 062108-25-2  | 53   |
| 3       |            | Decane, 2,5,9-trimethyl-            | 184              | C13H28    | 062108-22-9  | 50   |
| 4       |            | Undecane, 2,6-dimethyl-             | 184              | C13H28    | 017301-23-4  | 50   |
| 5       |            | Sulfurous acid, decyl 2-ethylhex... | 334              | C18H38O3S | 1000309-19-3 | 43   |



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ClientSampleId :  
WP022SB447\_200106\_33-34

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

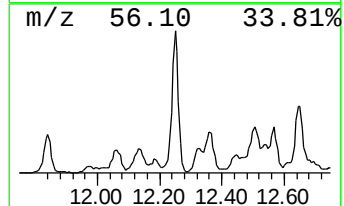
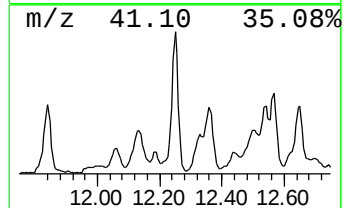
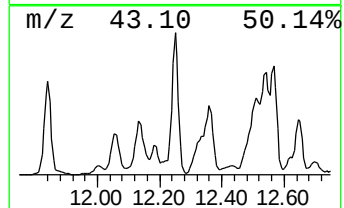
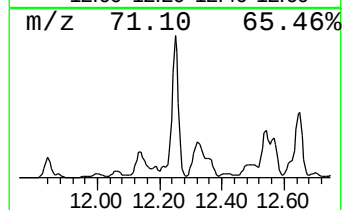
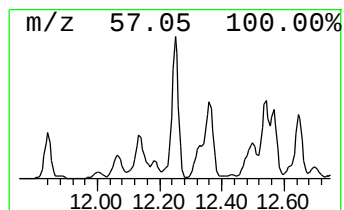
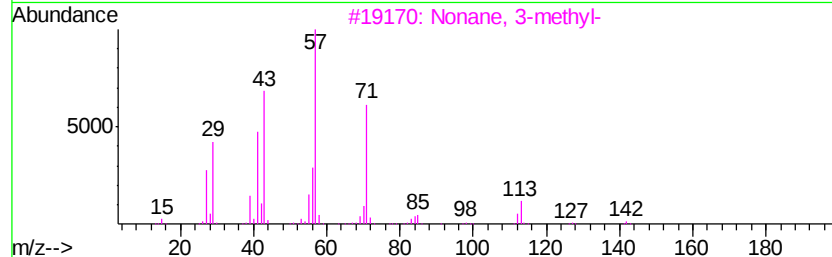
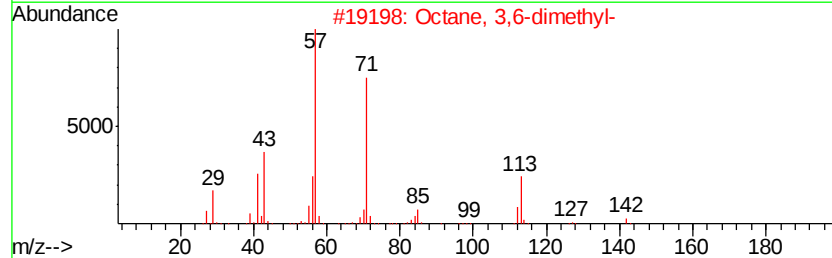
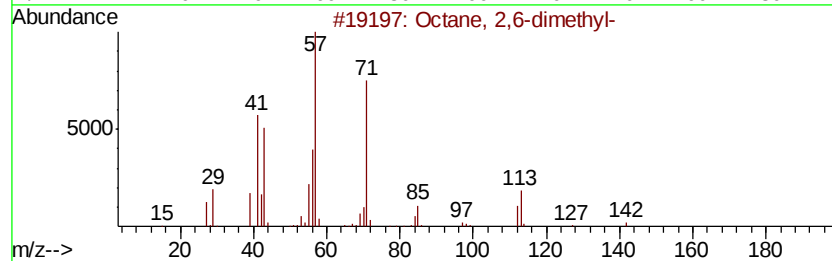
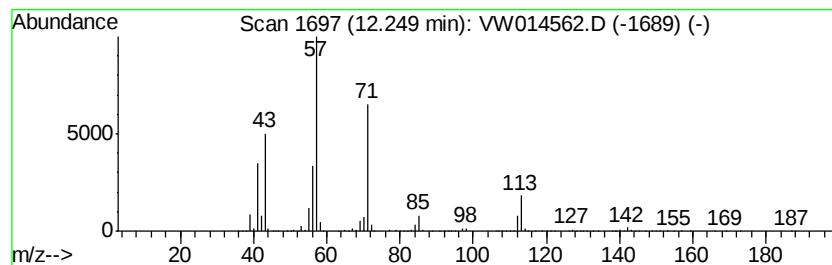
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Octane, 2,6-dimethyl- Concentration Rank 3

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 12.25 | 25.99 ug/l | 1198300 | 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 | 90   |
| 4    |    | Undecane, 6,6-dimethyl- | 184 | C13H28  | 017312-76-4 | 72   |
| 5    |    | Tridecane, 3-methyl-    | 198 | C14H30  | 006418-41-3 | 64   |



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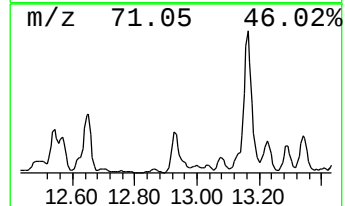
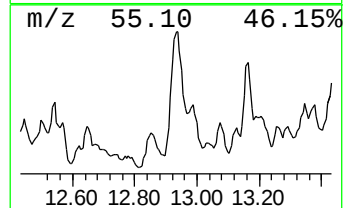
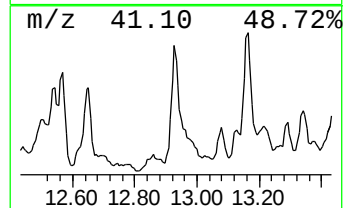
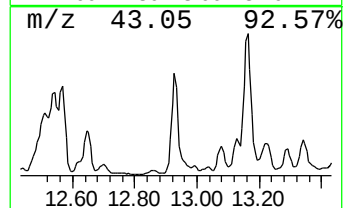
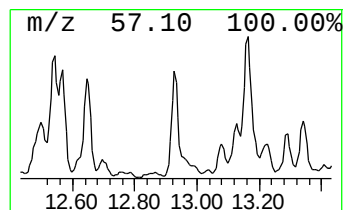
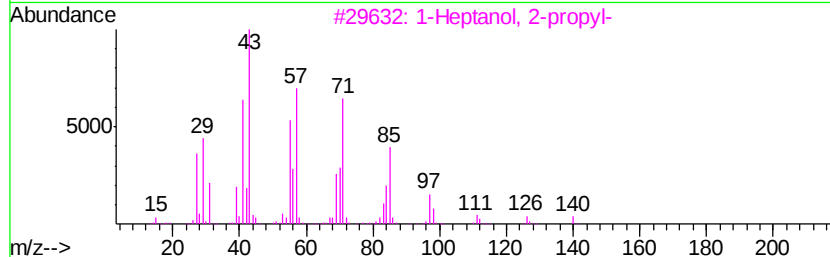
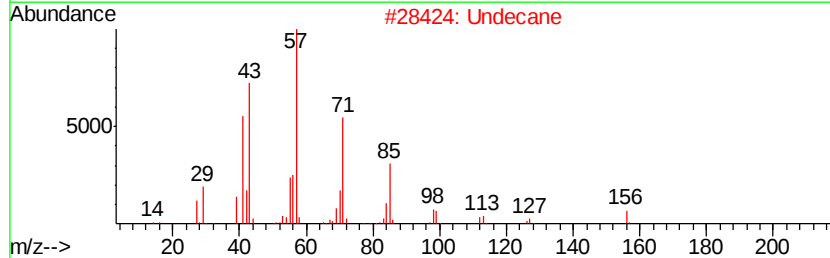
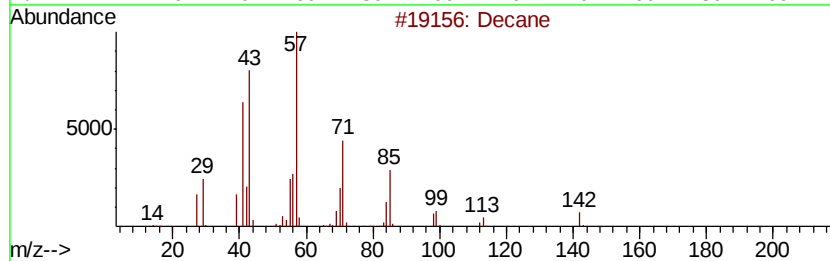
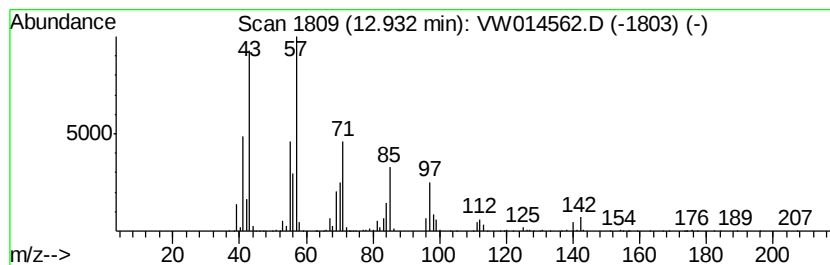
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MSVOA\_W  
ClientSampleId :  
WP022SB447\_200106\_33-34

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 4 Decane Concentration Rank 2

| R.T.    | EstConc                 | Area         | Relative to ISTD       | R.T.           |
|---------|-------------------------|--------------|------------------------|----------------|
| 12.93   | 34.30 ug/l              | 1315660      | 1,4-Dichlorobenzene-d4 | 13.56          |
| Hit# of | 5                       | Tentative ID | MW MolForm             | CAS# Qual      |
| 1       | Decane                  |              | 142 C10H22             | 000124-18-5 96 |
| 2       | Undecane                |              | 156 C11H24             | 001120-21-4 64 |
| 3       | 1-Heptanol, 2-propyl-   |              | 158 C10H22O            | 010042-59-8 59 |
| 4       | 1-Iodo-2-methylundecane |              | 296 C12H25I            | 073105-67-6 59 |
| 5       | Decane, 1,1'-oxybis-    |              | 298 C20H42O            | 002456-28-2 59 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW010820\  
Data File : VW014562.D  
Acq On : 08 Jan 2020 16:22  
Operator : SY/VA  
Sample : L1056-02  
Misc : 6.73G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
WP022SB447\_200106\_33-34

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

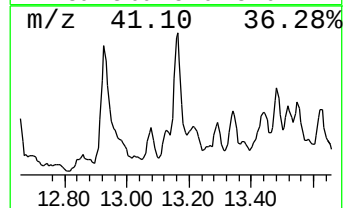
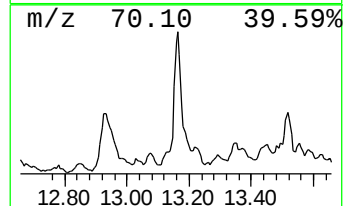
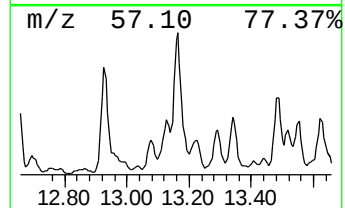
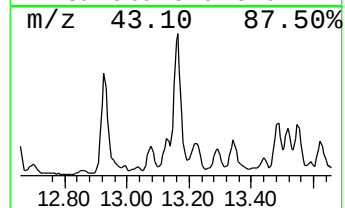
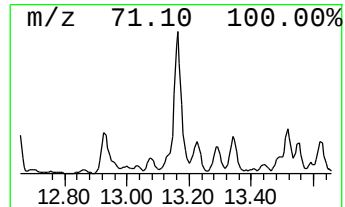
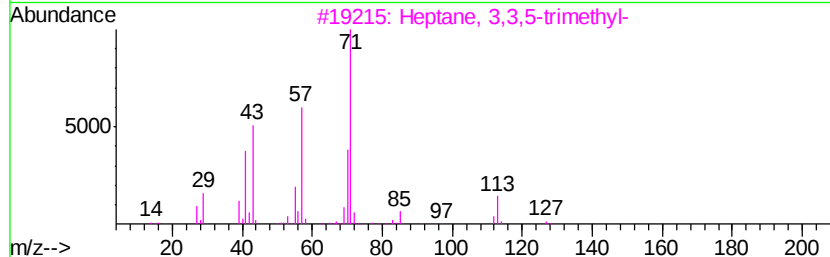
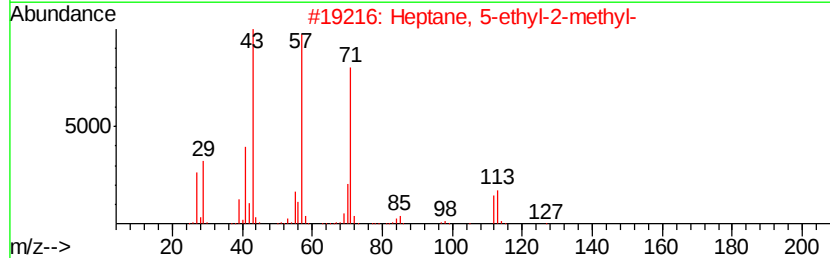
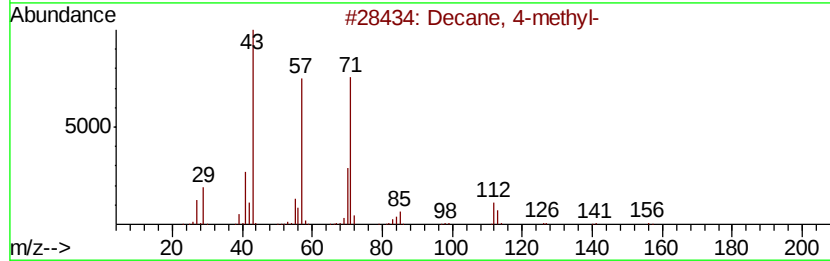
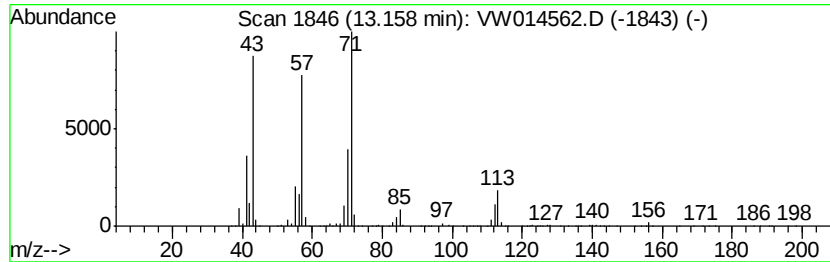
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Decane, 4-methyl- Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 13.16 | 20.58 ug/l | 789417 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# of | 5                           | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-----------------------------|--------------|-----|---------|-------------|------|
| 1       | Decane, 4-methyl-           |              | 156 | C11H24  | 002847-72-5 | 91   |
| 2       | Heptane, 5-ethyl-2-methyl-  |              | 142 | C10H22  | 013475-78-0 | 78   |
| 3       | Heptane, 3,3,5-trimethyl-   |              | 142 | C10H22  | 007154-80-5 | 78   |
| 4       | Octane, 3,3-dimethyl-       |              | 142 | C10H22  | 004110-44-5 | 78   |
| 5       | Dodecane, 2,7,10-trimethyl- |              | 212 | C15H32  | 074645-98-0 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW010820\  
Data File : VW014562.D  
Acq On : 08 Jan 2020 16:22  
Operator : SY/VA  
Sample : L1056-02  
Misc : 6.73G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

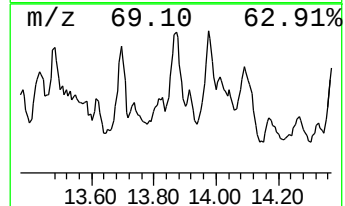
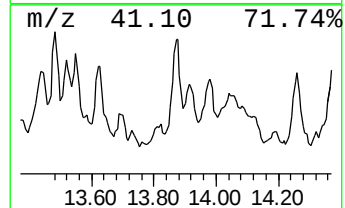
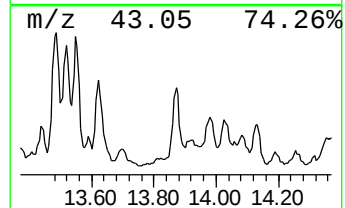
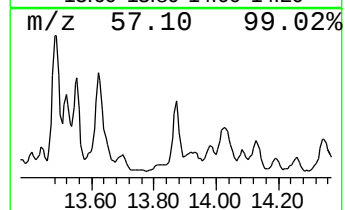
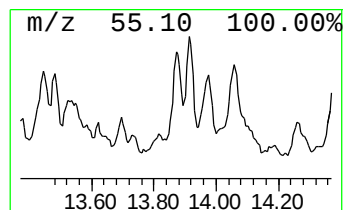
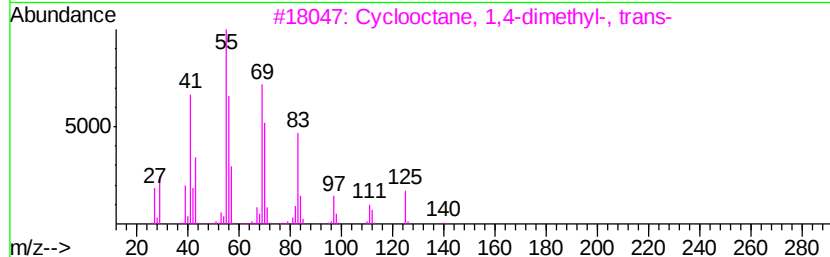
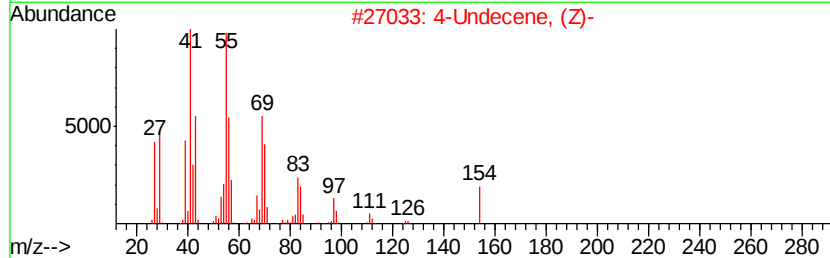
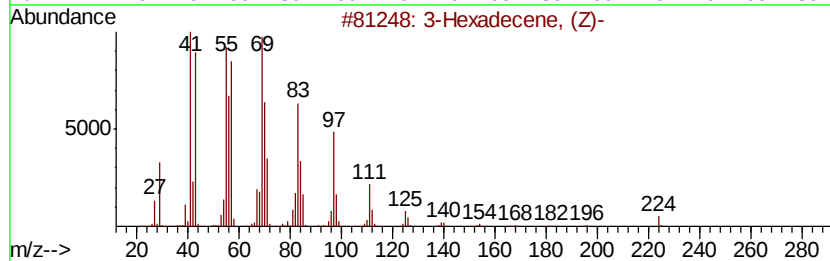
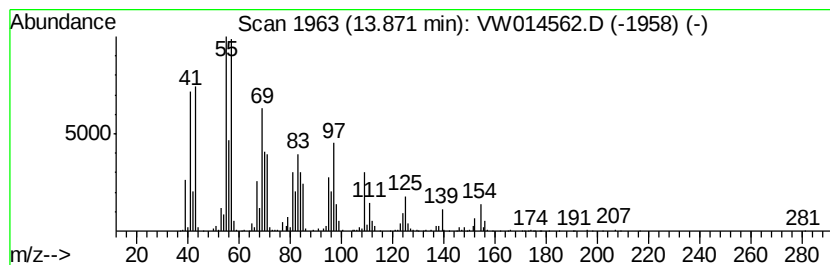
Instrument :  
MSVOA\_W  
ClientSampleId :  
WP022SB447\_200106\_33-34

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

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Peak Number 6 3-Hexadecene, (Z)- Concentration Rank 6

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 13.87   | 14.75 ug/l | 565633                              | 1,4-Dichlorobenzene-d4 | 13.56          |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |            | 3-Hexadecene, (Z)-                  | 224 C16H32             | 034303-81-6 62 |
| 2       |            | 4-Undecene, (Z)-                    | 154 C11H22             | 000821-98-7 50 |
| 3       |            | Cyclooctane, 1,4-dimethyl-, trans-  | 140 C10H20             | 013151-98-9 46 |
| 4       |            | Cyclodecanone                       | 154 C10H18O            | 001502-06-3 43 |
| 5       |            | Acetic acid, trifluoro-, undecyl... | 268 C13H23F3O2         | 053800-01-4 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW010820\  
Data File : VW014562.D  
Acq On : 08 Jan 2020 16:22  
Operator : SY/VA  
Sample : L1056-02  
Misc : 6.73G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
WP022SB447\_200106\_33-34

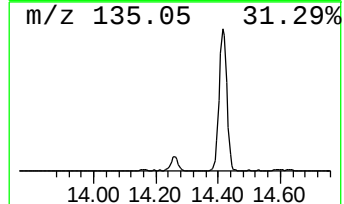
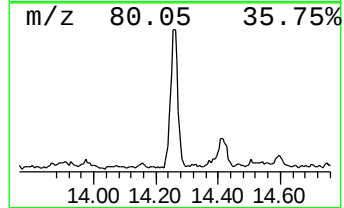
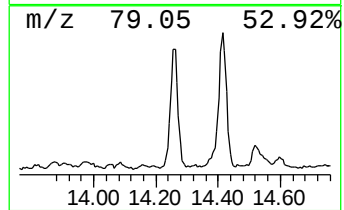
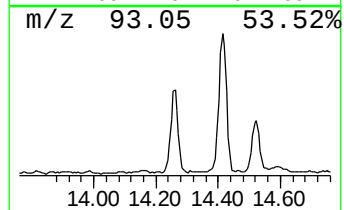
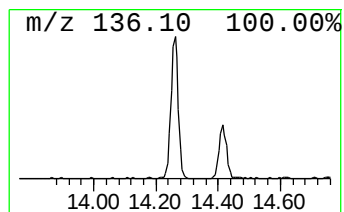
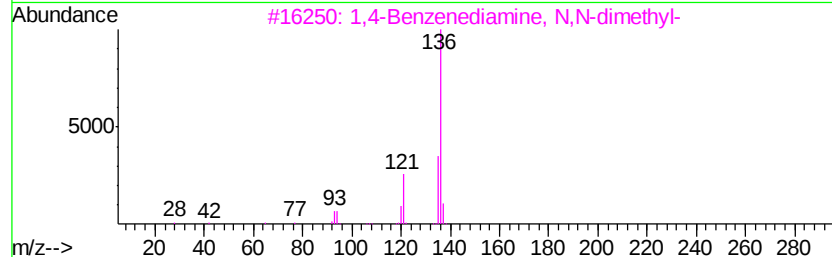
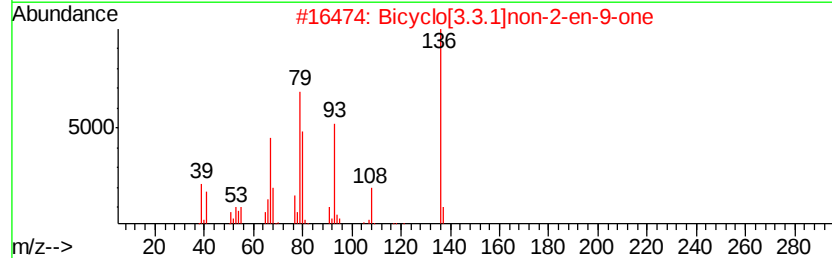
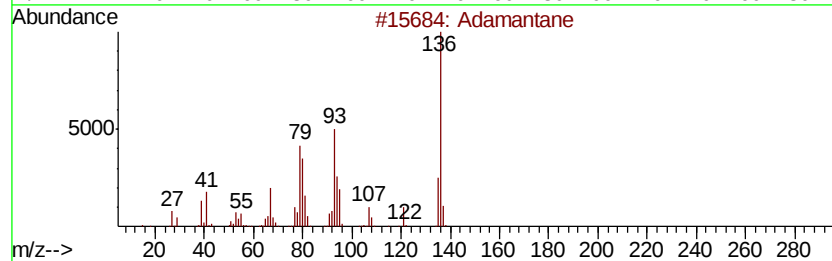
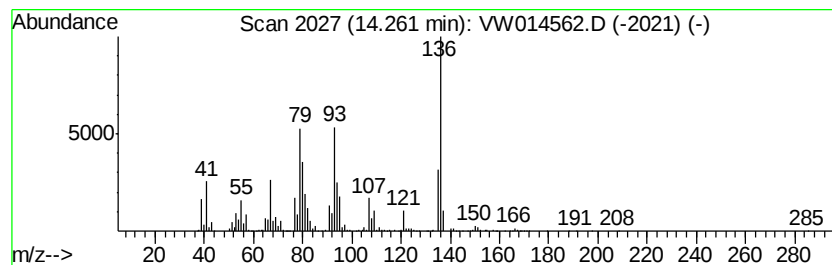
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Quant Title : SW846 8260

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

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Peak Number 7 Adamantane Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.26 | 20.11 ug/l | 771590 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Adamantane                          | 136 | C10H16  | 000281-23-2 | 97   |
| 2    |    | Bicyclo[3.3.1]non-2-en-9-one        | 136 | C9H12O  | 004844-11-5 | 64   |
| 3    |    | 1,4-Benzenediamine, N,N-dimethyl-   | 136 | C8H12N2 | 000099-98-9 | 49   |
| 4    |    | 1,3-Cyclohexadiene, 5-butyl-        | 136 | C10H16  | 030168-57-1 | 49   |
| 5    |    | Cyclohexene, 3-methyl-6-(1-methy... | 136 | C10H16  | 005113-87-1 | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW010820\  
Data File : VW014562.D  
Acq On : 08 Jan 2020 16:22  
Operator : SY/VA  
Sample : L1056-02  
Misc : 6.73G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

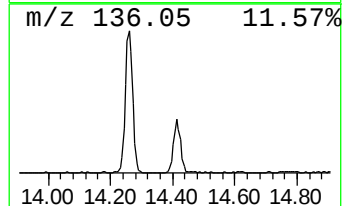
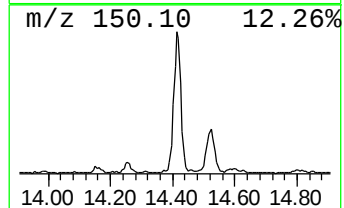
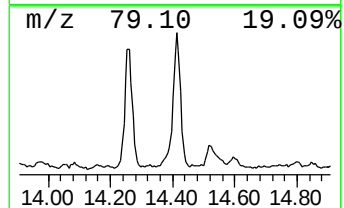
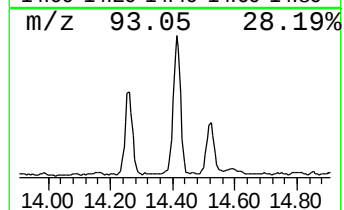
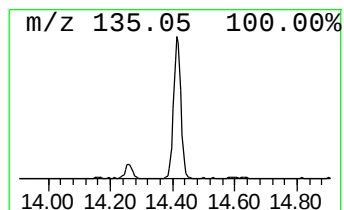
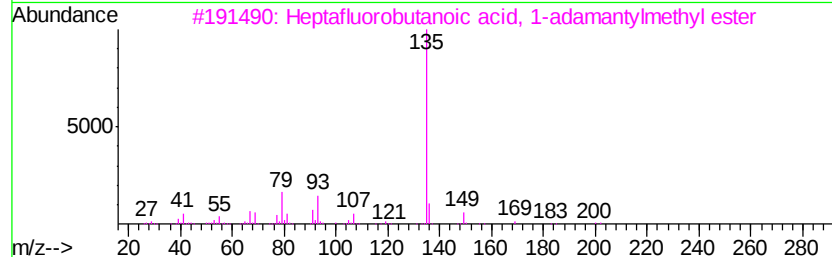
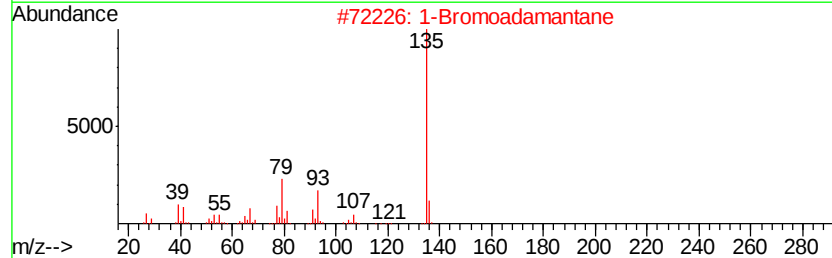
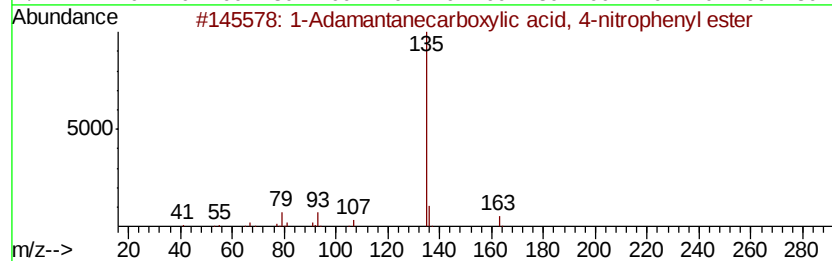
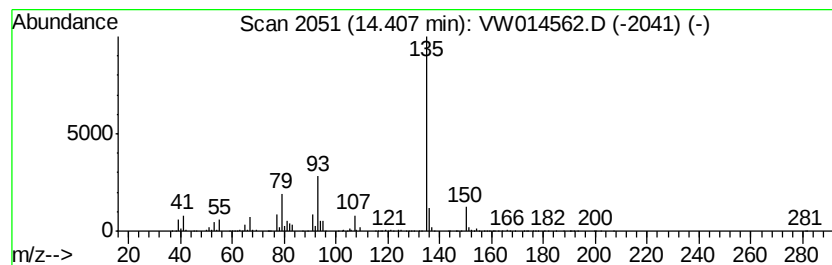
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ClientSampleId :  
WP022SB447\_200106\_33-34

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

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Peak Number 8 1-Adamantanecarboxylic acid... Concentration Rank 1

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.            |
|---------|------------|-------------------------------------|------------------------|-----------------|
| 14.41   | 44.56 ug/l | 1709500                             | 1,4-Dichlorobenzene-d4 | 13.56           |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual       |
| 1       |            | 1-Adamantanecarboxylic acid, 4-n... | 301 C17H19NO4          | 1000307-66-5 64 |
| 2       |            | 1-Bromoadamantane                   | 214 C10H15Br           | 000768-90-1 64  |
| 3       |            | Heptafluorobutanoic acid, 1-adam... | 362 C15H17F7O2         | 1000282-96-9 64 |
| 4       |            | 1-Adamantyl bromomethyl ketone      | 256 C12H17BrO          | 005122-82-7 64  |
| 5       |            | 1-Adamantanecarboxylic acid, 2-m... | 270 C18H22O2           | 1000293-75-3 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW010820\  
Data File : VW014562.D  
Acq On : 08 Jan 2020 16:22  
Operator : SY/VA  
Sample : L1056-02  
Misc : 6.73G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
WP022SB447\_200106\_33-34

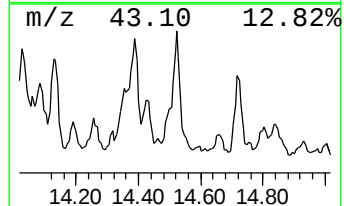
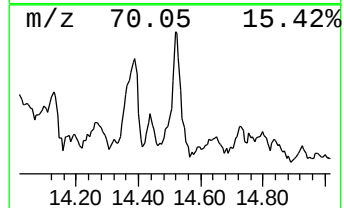
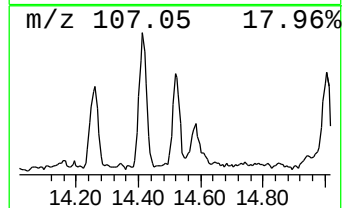
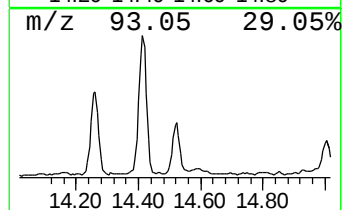
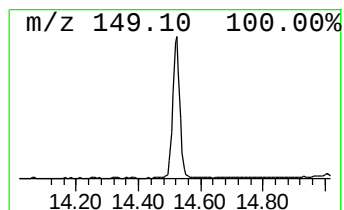
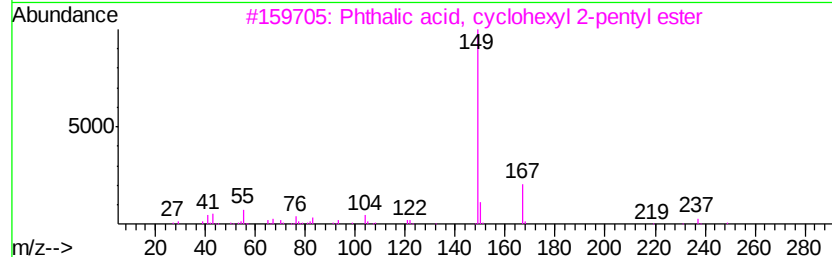
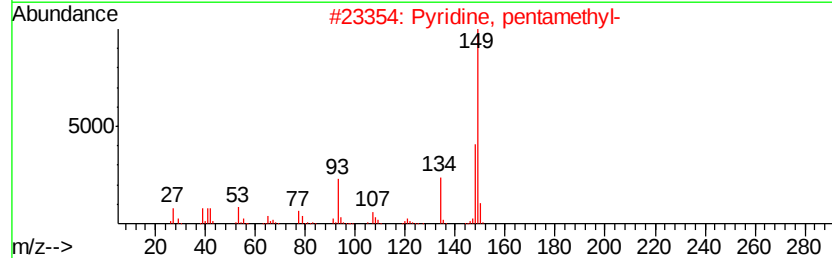
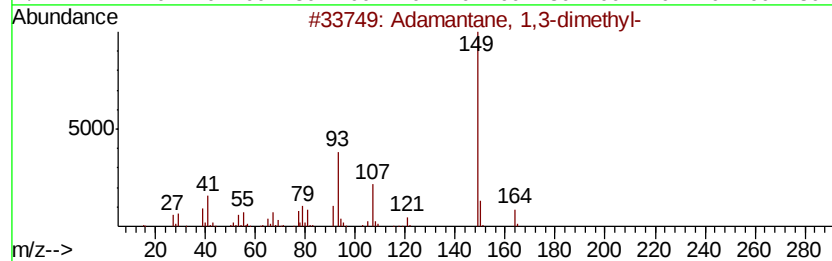
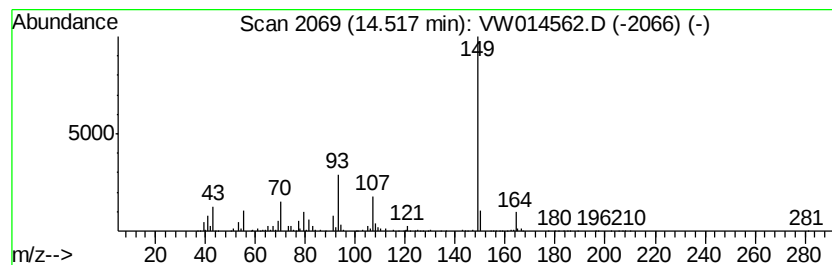
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Quant Title : SW846 8260

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

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Peak Number 9 Adamantane, 1,3-dimethyl- Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.52 | 14.53 ug/l | 557313 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Adamantane, 1,3-dimethyl-           | 164 | C12H20   | 000702-79-4  | 60   |
| 2    |    | Pyridine, pentamethyl-              | 149 | C10H15N  | 003748-83-2  | 59   |
| 3    |    | Phthalic acid, cyclohexyl 2-pent... | 318 | C19H26O4 | 1000315-55-3 | 50   |
| 4    |    | 1-Methyl-3-ethyladamantane          | 178 | C13H22   | 001687-34-9  | 50   |
| 5    |    | Pyridinium, 1-(acetylamino)-2,6-... | 164 | C9H12N2O | 031020-35-6  | 40   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW010820\  
Data File : VW014562.D  
Acq On : 08 Jan 2020 16:22  
Operator : SY/VA  
Sample : L1056-02  
Misc : 6.73G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

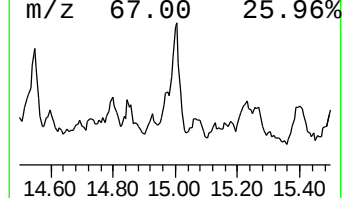
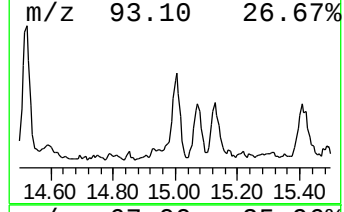
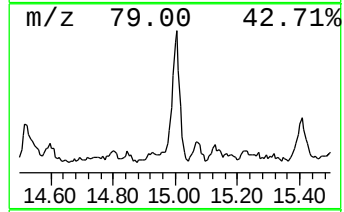
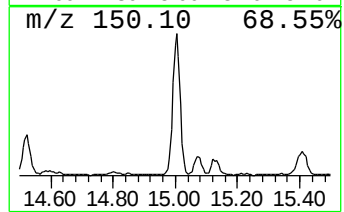
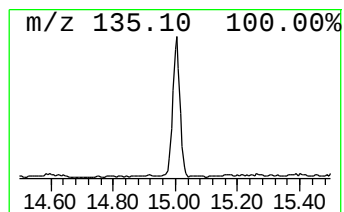
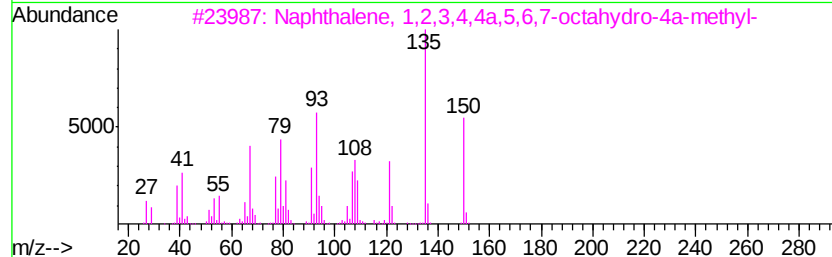
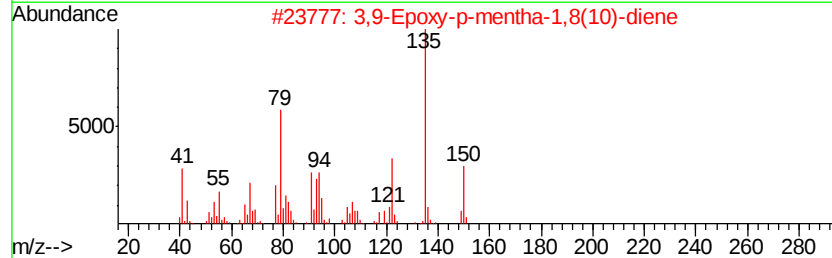
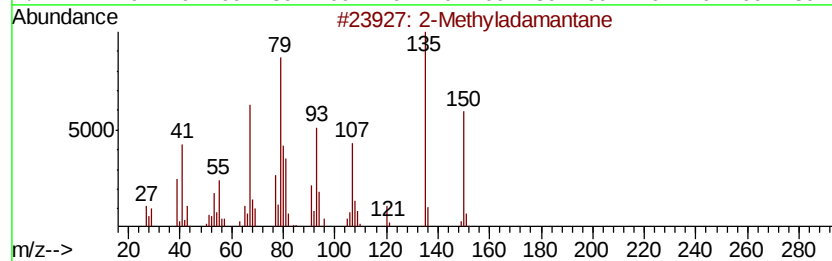
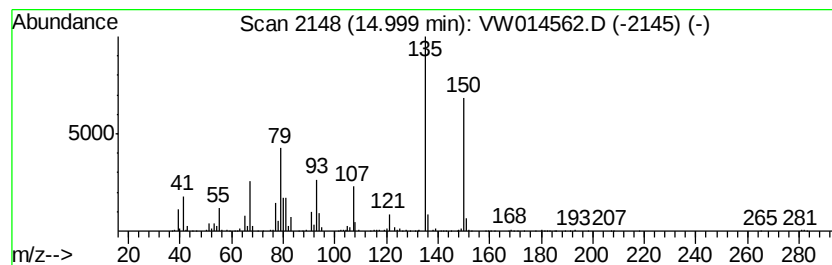
Instrument :  
MSVOA\_W  
ClientSampleId :  
WP022SB447\_200106\_33-34

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

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Peak Number 10 2-Methyladamantane Concentration Rank 9

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.      |
|---------|-------------------------------------|--------------|------------------------|-----------|
| 15.00   | 12.91 ug/l                          | 495091       | 1,4-Dichlorobenzene-d4 | 13.56     |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | 2-Methyladamantane                  | 150 C11H18   | 000700-56-1            | 91        |
| 2       | 3,9-Epoxy-p-mentha-1,8(10)-diene    | 150 C10H14O  | 1000111-14-8           | 72        |
| 3       | Naphthalene, 1,2,3,4,4a,5,6,7-oc... | 150 C11H18   | 013943-77-6            | 59        |
| 4       | Butanenitrile, 2-(1-adamantyl)-3... | 217 C15H23N  | 1000266-44-6           | 53        |
| 5       | Adamantane-1-carboxylic acid        | 180 C11H16O2 | 000828-51-3            | 50        |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW010820\  
 Data File : VW014562.D  
 Acq On : 08 Jan 2020 16:22  
 Operator : SY/VA  
 Sample : L1056-02  
 Misc : 6.73G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 WP022SB447\_200106\_33-34

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 | 14.0    | ug/l  | 646753   | 3                     | 11.63 | 2304930 | 50.0 |
| Octane, 3,5-dimet... | 12.13 | 12.2    | ug/l  | 560826   | 3                     | 11.63 | 2304930 | 50.0 |
| Octane, 2,6-dimet... | 12.25 | 26.0    | ug/l  | 1198300  | 3                     | 11.63 | 2304930 | 50.0 |
| Decane               | 12.93 | 34.3    | ug/l  | 1315660  | 4                     | 13.56 | 1918020 | 50.0 |
| Decane, 4-methyl-    | 13.16 | 20.6    | ug/l  | 789417   | 4                     | 13.56 | 1918020 | 50.0 |
| 3-Hexadecene, (Z)-   | 13.87 | 14.8    | ug/l  | 565633   | 4                     | 13.56 | 1918020 | 50.0 |
| Adamantane           | 14.26 | 20.1    | ug/l  | 771590   | 4                     | 13.56 | 1918020 | 50.0 |
| 1-Adamantanecarbo... | 14.41 | 44.6    | ug/l  | 1709500  | 4                     | 13.56 | 1918020 | 50.0 |
| Adamantane, 1,3-d... | 14.52 | 14.5    | ug/l  | 557313   | 4                     | 13.56 | 1918020 | 50.0 |
| 2-Methyladamantane   | 15.00 | 12.9    | ug/l  | 495091   | 4                     | 13.56 | 1918020 | 50.0 |