

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW112718\  
 Data File : VW007101.D  
 Acq On : 27 Nov 2018 21:00  
 Operator : VAY/AP  
 Sample : J6085-02  
 Misc : 4.99G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 NS-OILY-STONE

## 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\82W112118S.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         | 4.922       | 487           | 495         | 507          | rBV3     | 2888           | 9183          | 2.22%           | 0.164%        |
| 2         | 5.946       | 655           | 663         | 673          | rVB5     | 3365           | 10353         | 2.51%           | 0.185%        |
| 3         | 7.147       | 851           | 860         | 871          | rBV      | 9712           | 27588         | 6.68%           | 0.492%        |
| 4         | 7.683       | 937           | 948         | 953          | rBV4     | 1480           | 5095          | 1.23%           | 0.091%        |
| 5         | 7.891       | 971           | 982         | 987          | rBV      | 63346          | 151345        | 36.64%          | 2.700%        |
| 6         | 7.951       | 987           | 992         | 1005         | rVB      | 127481         | 276085        | 66.83%          | 4.925%        |
| 7         | 8.311       | 1032          | 1051        | 1063         | rBV2     | 68107          | 175806        | 42.56%          | 3.136%        |
| 8         | 8.848       | 1130          | 1139        | 1148         | rBV      | 181000         | 359312        | 86.98%          | 6.410%        |
| 9         | 9.902       | 1300          | 1312        | 1316         | rBV      | 3514           | 7243          | 1.75%           | 0.129%        |
| 10        | 10.329      | 1374          | 1382        | 1389         | rVV      | 229677         | 413099        | 100.00%         | 7.370%        |
| 11        | 10.390      | 1389          | 1392        | 1399         | rVB3     | 4694           | 8208          | 1.99%           | 0.146%        |
| 12        | 10.713      | 1436          | 1445        | 1450         | rBV      | 22177          | 52488         | 12.71%          | 0.936%        |
| 13        | 11.067      | 1496          | 1503        | 1510         | rVB      | 10683          | 17548         | 4.25%           | 0.313%        |
| 14        | 11.445      | 1555          | 1565        | 1571         | rVB2     | 11927          | 20555         | 4.98%           | 0.367%        |
| 15        | 11.634      | 1589          | 1596        | 1606         | rBV      | 217368         | 363956        | 88.10%          | 6.493%        |
| 16        | 11.841      | 1625          | 1630        | 1635         | rBV2     | 8379           | 15341         | 3.71%           | 0.274%        |
| 17        | 12.170      | 1673          | 1684        | 1689         | rBV4     | 5580           | 12524         | 3.03%           | 0.223%        |
| 18        | 12.621      | 1752          | 1758        | 1768         | rVB2     | 172404         | 289048        | 69.97%          | 5.157%        |
| 19        | 12.871      | 1793          | 1799        | 1802         | rBV3     | 6767           | 11320         | 2.74%           | 0.202%        |
| 20        | 12.938      | 1802          | 1810        | 1816         | rVV4     | 20933          | 42946         | 10.40%          | 0.766%        |
| 21        | 12.993      | 1816          | 1819        | 1824         | rVB5     | 2802           | 4256          | 1.03%           | 0.076%        |
| 22        | 13.091      | 1830          | 1835        | 1837         | rBV5     | 2971           | 5076          | 1.23%           | 0.091%        |
| 23        | 13.176      | 1845          | 1849        | 1854         | rVB3     | 3586           | 5611          | 1.36%           | 0.100%        |
| 24        | 13.255      | 1856          | 1862        | 1866         | rVV      | 20212          | 30281         | 7.33%           | 0.540%        |
| 25        | 13.298      | 1866          | 1869        | 1875         | rVB3     | 6028           | 8555          | 2.07%           | 0.153%        |
| 26        | 13.451      | 1886          | 1894        | 1897         | rBV6     | 8119           | 18667         | 4.52%           | 0.333%        |
| 27        | 13.493      | 1897          | 1901        | 1904         | rVV      | 12765          | 18346         | 4.44%           | 0.327%        |
| 28        | 13.524      | 1904          | 1906        | 1907         | rVV2     | 8816           | 8449          | 2.05%           | 0.151%        |
| 29        | 13.560      | 1907          | 1912        | 1920         | rVB      | 177586         | 292186        | 70.73%          | 5.213%        |
| 30        | 13.627      | 1920          | 1923        | 1928         | rVB      | 16001          | 21821         | 5.28%           | 0.389%        |
| 31        | 13.755      | 1940          | 1944        | 1948         | rBV3     | 8205           | 13846         | 3.35%           | 0.247%        |
| 32        | 13.798      | 1948          | 1951        | 1955         | rVB2     | 4359           | 5614          | 1.36%           | 0.100%        |
| 33        | 13.877      | 1959          | 1964        | 1970         | rBV2     | 77460          | 127334        | 30.82%          | 2.272%        |
| 34        | 13.987      | 1979          | 1982        | 1985         | rBV5     | 5474           | 7432          | 1.80%           | 0.133%        |

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 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
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Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 14.042 | 1985 | 1991 | 1994 | rVV4 | 17623  | 36520  | 8.84%  | 0.652% |
| 36 | 14.091 | 1994 | 1999 | 2004 | rVB3 | 24970  | 51123  | 12.38% | 0.912% |
| 37 | 14.139 | 2004 | 2007 | 2012 | rVB2 | 17091  | 26888  | 6.51%  | 0.480% |
| 38 | 14.206 | 2013 | 2018 | 2023 | rBV5 | 26612  | 50745  | 12.28% | 0.905% |
| 39 | 14.267 | 2023 | 2028 | 2034 | rBV6 | 23215  | 42042  | 10.18% | 0.750% |
| 40 | 14.359 | 2034 | 2043 | 2045 | rBV2 | 51718  | 110325 | 26.71% | 1.968% |
| 41 | 14.395 | 2045 | 2049 | 2053 | rVV3 | 77058  | 145750 | 35.28% | 2.600% |
| 42 | 14.438 | 2053 | 2056 | 2063 | rVV2 | 53681  | 85988  | 20.82% | 1.534% |
| 43 | 14.505 | 2063 | 2067 | 2071 | rVV2 | 56870  | 85336  | 20.66% | 1.522% |
| 44 | 14.554 | 2072 | 2075 | 2079 | rVV3 | 33580  | 54358  | 13.16% | 0.970% |
| 45 | 14.609 | 2080 | 2084 | 2089 | rVB4 | 27343  | 44673  | 10.81% | 0.797% |
| 46 | 14.731 | 2099 | 2104 | 2110 | rBV  | 133995 | 203089 | 49.16% | 3.623% |
| 47 | 14.810 | 2111 | 2117 | 2120 | rBV5 | 62411  | 132449 | 32.06% | 2.363% |
| 48 | 14.853 | 2120 | 2124 | 2131 | rVB4 | 78519  | 182736 | 44.24% | 3.260% |
| 49 | 14.920 | 2133 | 2135 | 2139 | rVB4 | 19551  | 20512  | 4.97%  | 0.366% |
| 50 | 14.969 | 2139 | 2143 | 2148 | rBV3 | 62455  | 126208 | 30.55% | 2.252% |
| 51 | 15.072 | 2156 | 2160 | 2166 | rVB7 | 47018  | 81656  | 19.77% | 1.457% |
| 52 | 15.170 | 2167 | 2176 | 2181 | rBV4 | 96318  | 263672 | 63.83% | 4.704% |
| 53 | 15.218 | 2181 | 2184 | 2187 | rVV3 | 53205  | 71904  | 17.41% | 1.283% |
| 54 | 15.261 | 2187 | 2191 | 2198 | rVB6 | 68278  | 117692 | 28.49% | 2.100% |
| 55 | 15.334 | 2199 | 2203 | 2209 | rVB2 | 95801  | 159338 | 38.57% | 2.843% |
| 56 | 15.432 | 2210 | 2219 | 2224 | rBV7 | 73781  | 243388 | 58.92% | 4.342% |
| 57 | 15.566 | 2237 | 2241 | 2249 | rVB2 | 96534  | 179063 | 43.35% | 3.194% |
| 58 | 15.877 | 2288 | 2292 | 2302 | rVB7 | 83032  | 177592 | 42.99% | 3.168% |
| 59 | 16.383 | 2372 | 2375 | 2381 | rBV2 | 48278  | 75816  | 18.35% | 1.353% |

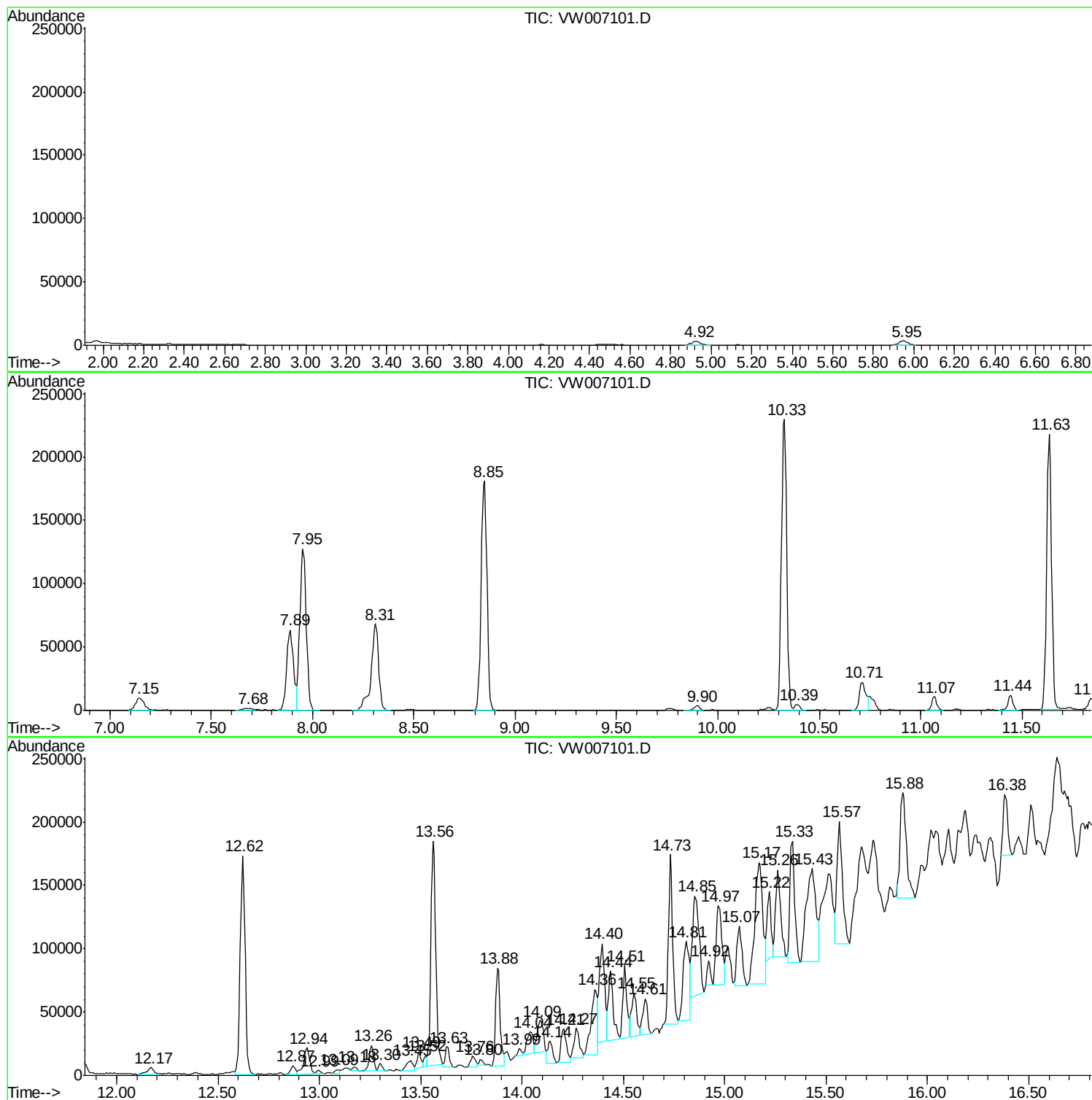
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ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :  
NS-OILY-STONE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260

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



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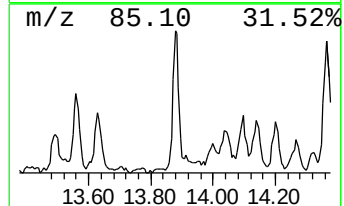
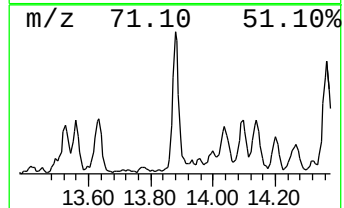
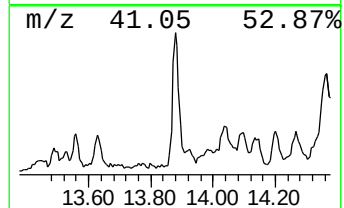
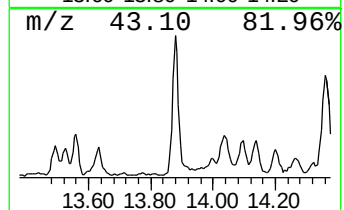
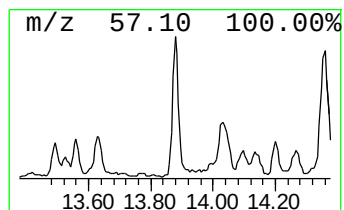
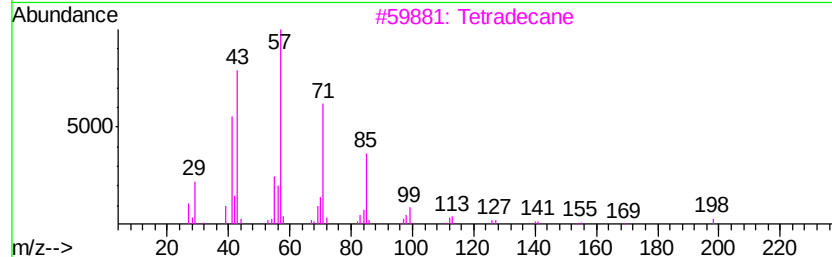
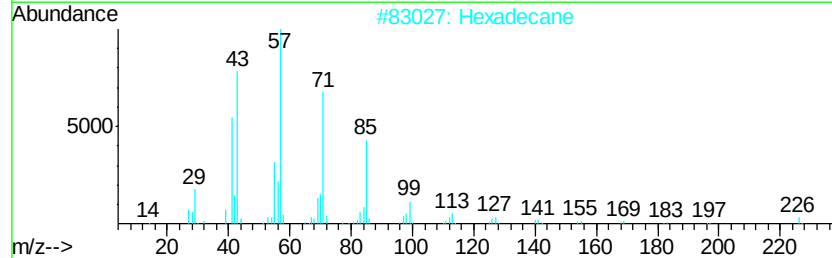
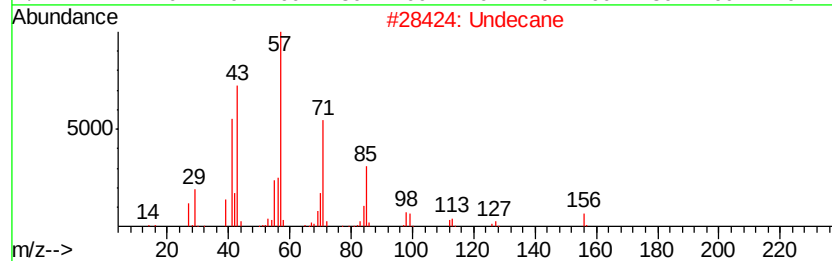
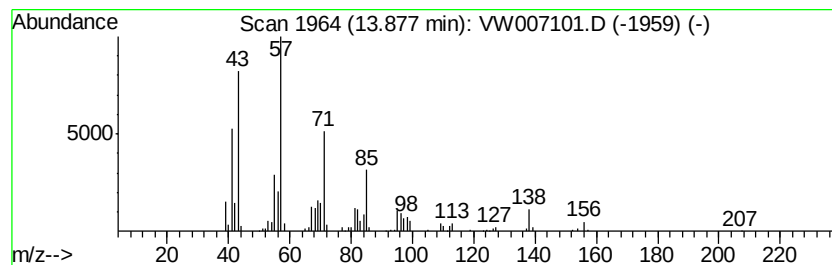
Instrument :  
MSVOA\_W  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Undecane Concentration Rank 10

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.      |
|---------|-------------------------------------|--------------|------------------------|-----------|
| 13.88   | 21.79 ug/l                          | 127334       | 1,4-Dichlorobenzene-d4 | 13.57     |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Undecane                            | 156 C11H24   | 001120-21-4            | 96        |
| 2       | Hexadecane                          | 226 C16H34   | 000544-76-3            | 58        |
| 3       | Tetradecane                         | 198 C14H30   | 000629-59-4            | 58        |
| 4       | Oxirane, [(hexadecyloxy)methyl]-    | 298 C19H38O2 | 015965-99-8            | 53        |
| 5       | Heptadecane, 2,6,10,14-tetramethyl- | 296 C21H44   | 018344-37-1            | 50        |



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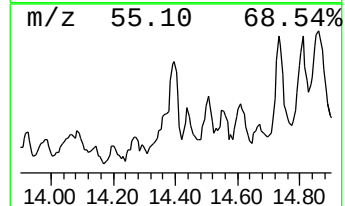
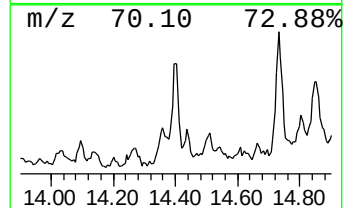
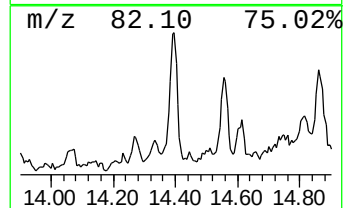
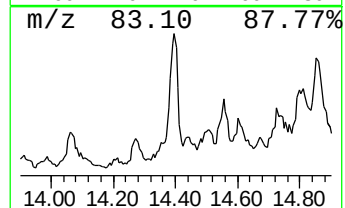
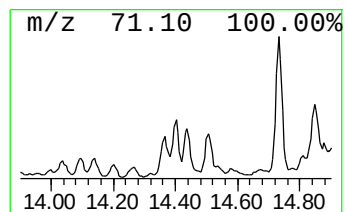
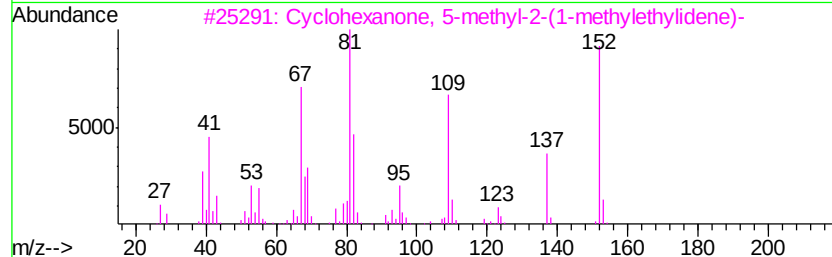
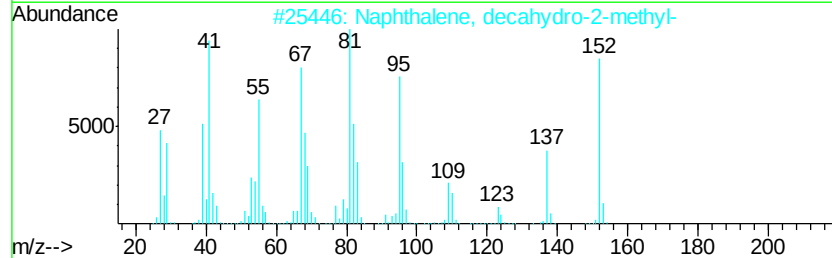
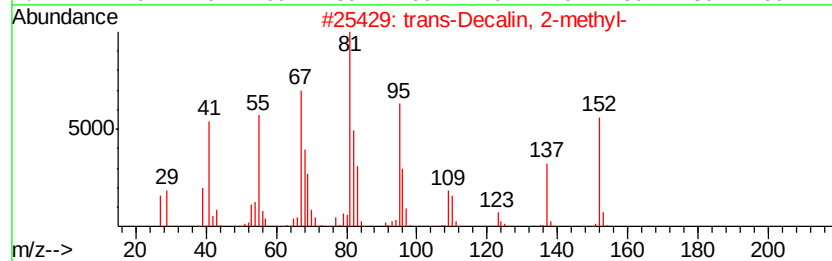
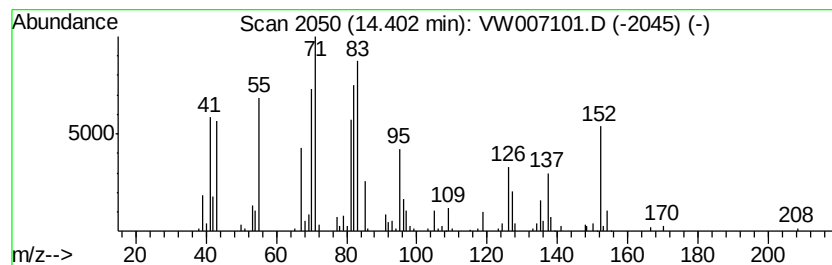
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 trans-Decalin, 2-methyl- Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.40 | 24.94 ug/l | 145750 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | trans-Decalin, 2-methyl-            | 152 | C11H20  | 1000152-47-3 | 89   |
| 2    |    |   | Naphthalene, decahydro-2-methyl-    | 152 | C11H20  | 002958-76-1  | 76   |
| 3    |    |   | Cyclohexanone, 5-methyl-2-(1-met... | 152 | C10H16O | 015932-80-6  | 55   |
| 4    |    |   | Cyclopentene, 1-pentyl-             | 138 | C10H18  | 004291-98-9  | 49   |
| 5    |    |   | Cyclohexanone, 2-methyl-5-(1-met... | 152 | C10H16O | 005948-04-9  | 45   |



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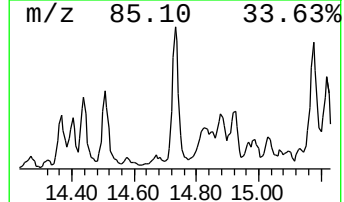
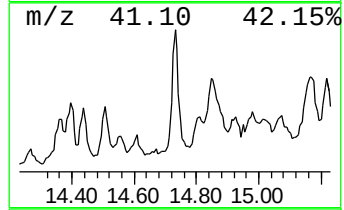
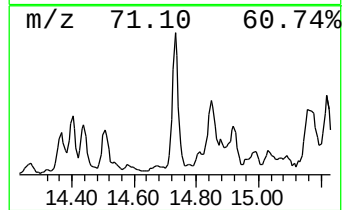
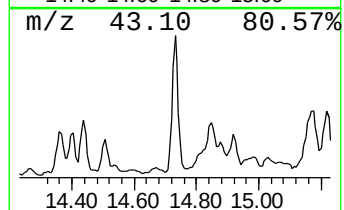
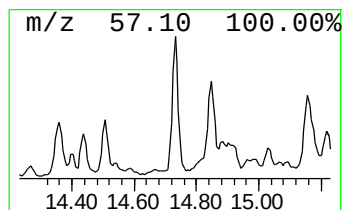
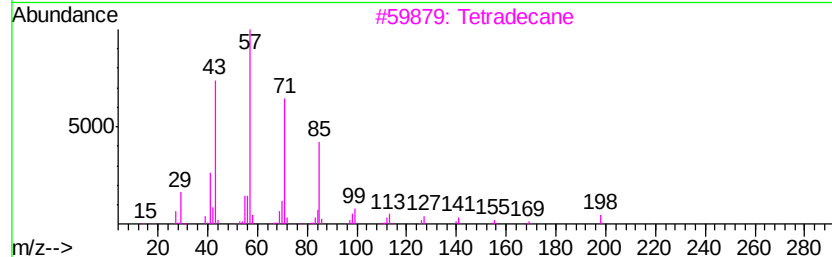
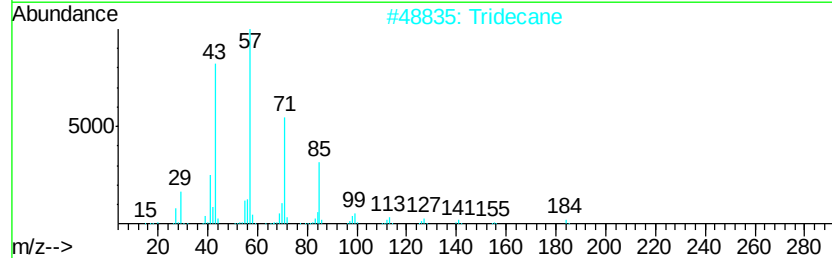
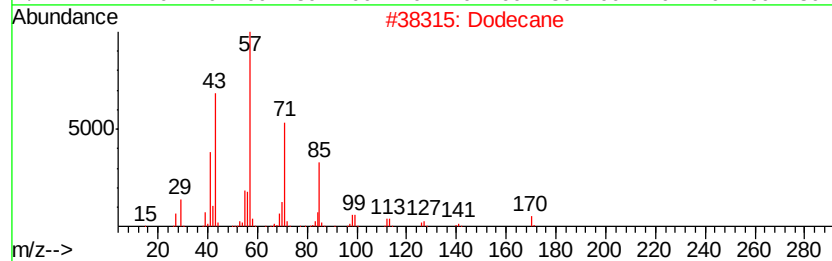
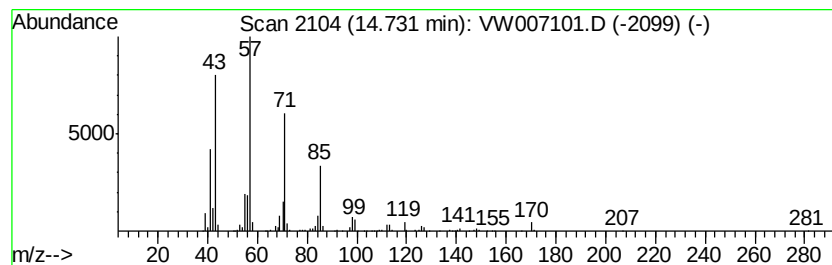
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
 Peak Number 3 Dodecane Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.73 | 34.75 ug/l | 203089 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Dodecane     | 170 | C12H26  | 000112-40-3 | 93   |
| 2    |    | Tridecane    | 184 | C13H28  | 000629-50-5 | 86   |
| 3    |    | Tetradecane  | 198 | C14H30  | 000629-59-4 | 86   |
| 4    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 80   |
| 5    |    | Undecane     | 156 | C11H24  | 001120-21-4 | 80   |



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Quant Title : SW846 8260

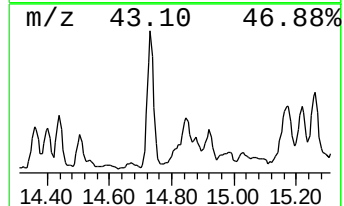
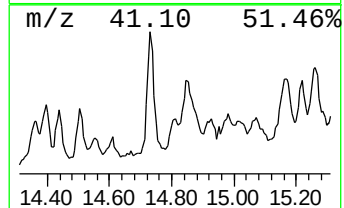
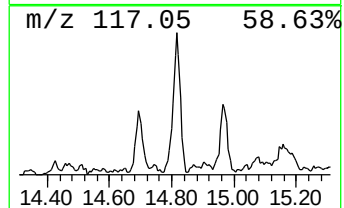
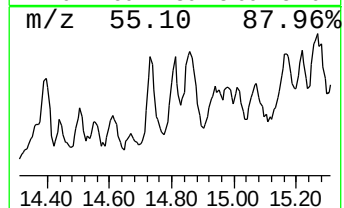
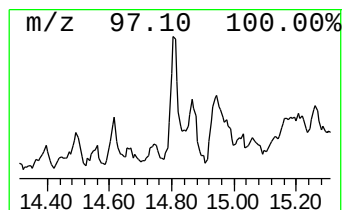
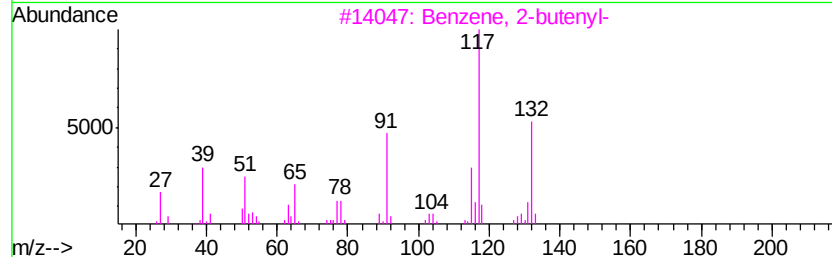
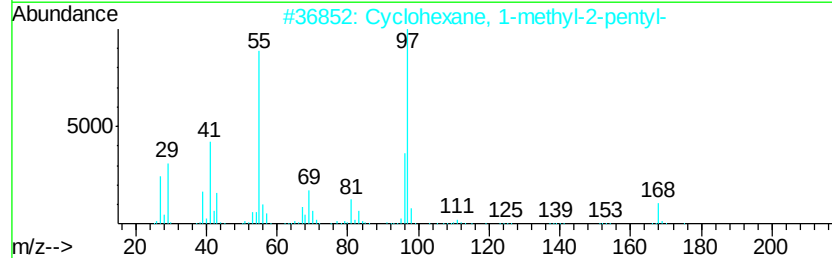
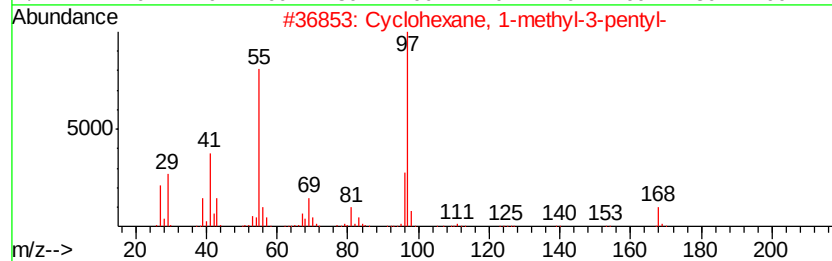
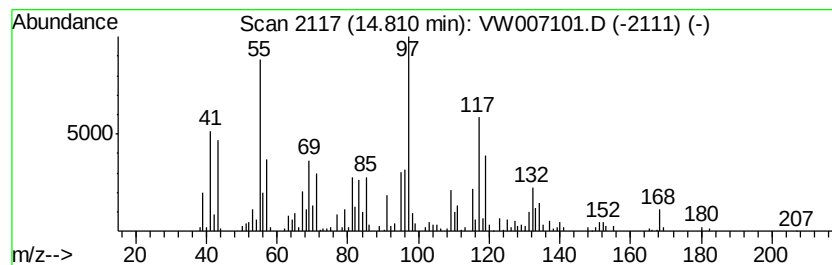
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Cyclohexane, 1-methyl-3-pen... Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.81 | 22.67 ug/l | 132449 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 1-methyl-3-pentyl-      | 168 | C12H24  | 054411-02-8 | 30   |
| 2    |    | Cyclohexane, 1-methyl-2-pentyl-      | 168 | C12H24  | 054411-01-7 | 30   |
| 3    |    | Benzene, 2-butenyl-                  | 132 | C10H12  | 001560-06-1 | 25   |
| 4    |    | Benzene, (1-methyl-1-propenyl)-, ... | 132 | C10H12  | 000767-99-7 | 25   |
| 5    |    | Benzene, 1-methyl-4-(2-propenyl)-    | 132 | C10H12  | 003333-13-9 | 25   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW112718\  
Data File : VW007101.D  
Acq On : 27 Nov 2018 21:00  
Operator : VAY/AP  
Sample : J6085-02  
Misc : 4.99G/5ML/MSVOA\_W/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
NS-OILY-STONE

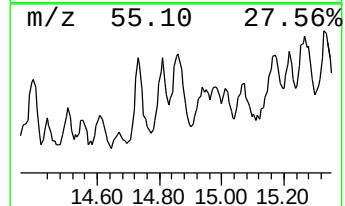
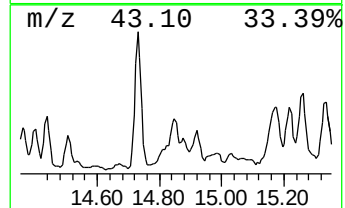
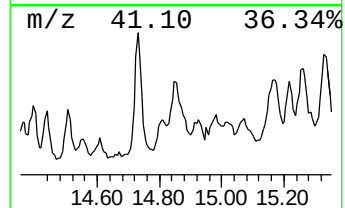
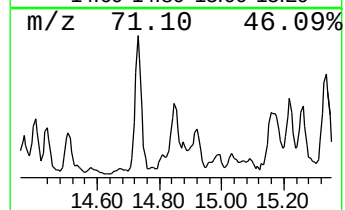
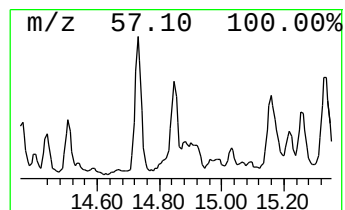
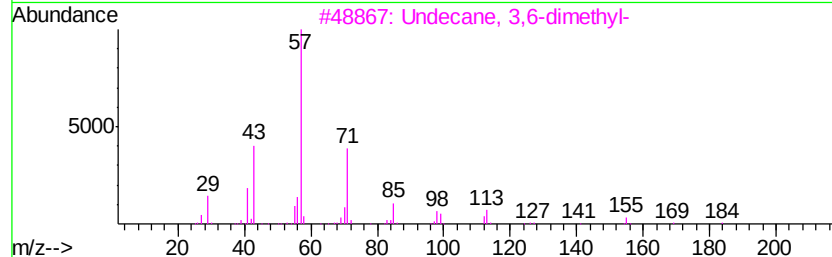
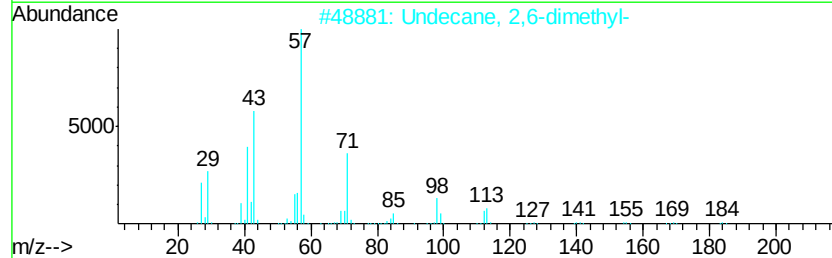
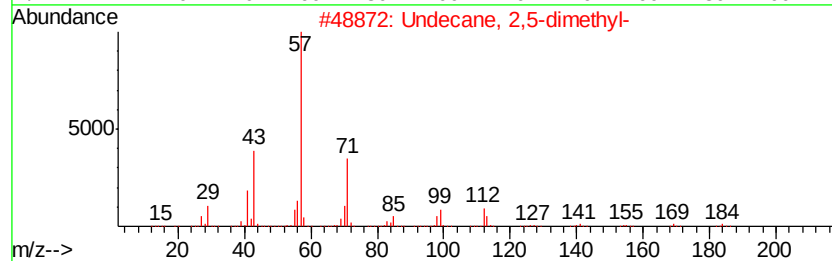
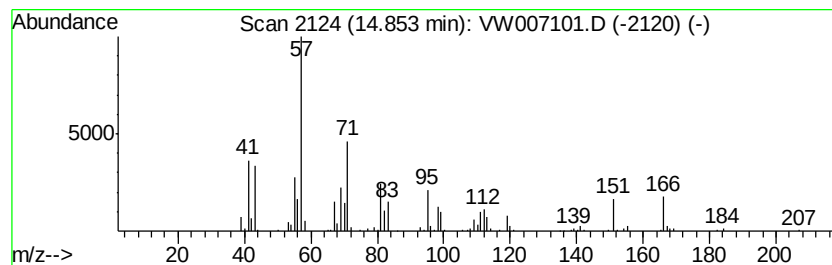
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Quant Title : SW846 8260

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

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Peak Number 5 Undecane, 2,5-dimethyl- Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.85 | 31.27 ug/l | 182736 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# of | 5                          | Tentative ID | MW     | MolForm     | CAS# | Qual |
|---------|----------------------------|--------------|--------|-------------|------|------|
| 1       | Undecane, 2,5-dimethyl-    | 184          | C13H28 | 017301-22-3 | 60   |      |
| 2       | Undecane, 2,6-dimethyl-    | 184          | C13H28 | 017301-23-4 | 58   |      |
| 3       | Undecane, 3,6-dimethyl-    | 184          | C13H28 | 017301-28-9 | 47   |      |
| 4       | Tridecane, 6-methyl-       | 198          | C14H30 | 013287-21-3 | 43   |      |
| 5       | Tetradecane, 6,9-dimethyl- | 226          | C16H34 | 055045-13-1 | 43   |      |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW112718\  
Data File : VW007101.D  
Acq On : 27 Nov 2018 21:00  
Operator : VAY/AP  
Sample : J6085-02  
Misc : 4.99G/5ML/MSVOA\_W/SOIL  
ALS Vial : 21 Sample Multiplier: 1

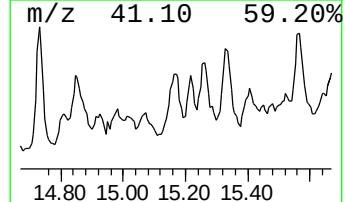
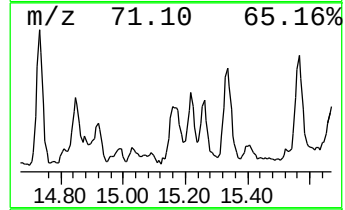
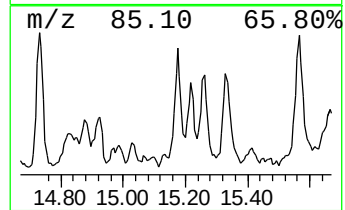
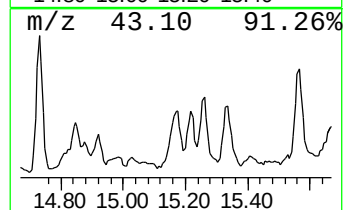
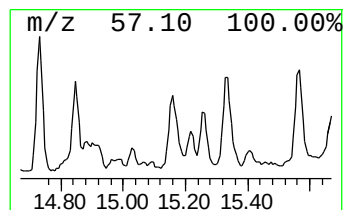
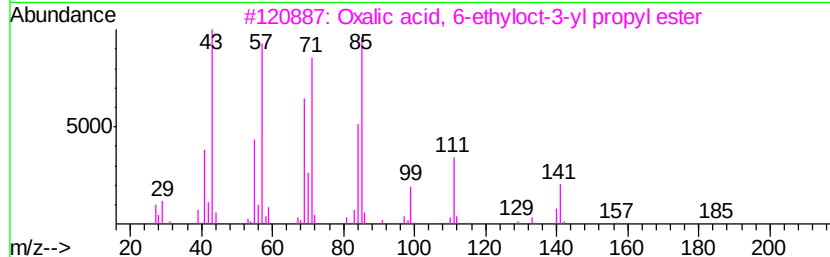
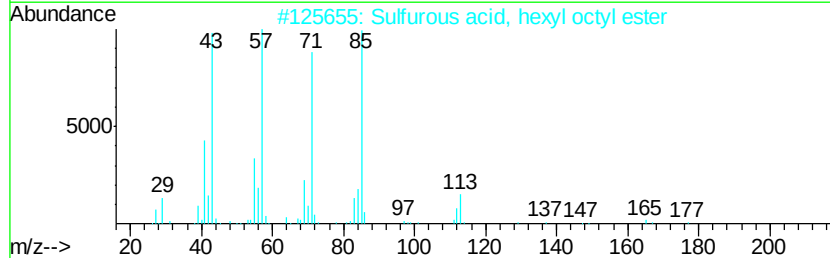
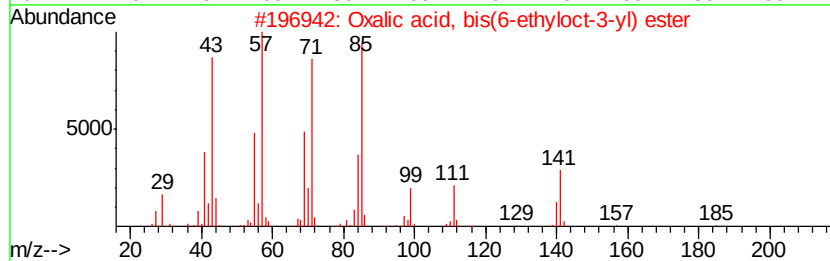
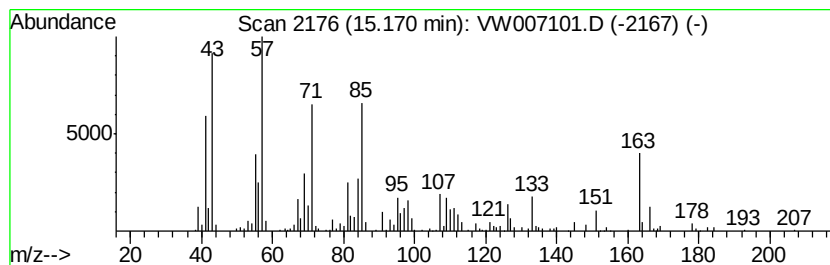
Instrument :  
MSVOA\_W  
ClientSampleId :  
NS-OILY-STONE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 6 Oxalic acid, bis(6-ethyloct... Concentration Rank 1

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.         |      |      |
|---------|-------------------------------------|--------------|------------------------|--------------|------|------|
| 15.17   | 45.12 ug/l                          | 263672       | 1,4-Dichlorobenzene-d4 | 13.57        |      |      |
| Hit# of | 5                                   | Tentative ID | MW                     | MolForm      | CAS# | Qual |
| 1       | Oxalic acid, bis(6-ethyloct-3-yl... | 370          | C22H42O4               | 1000309-34-6 | 46   |      |
| 2       | Sulfurous acid, hexyl octyl ester   | 278          | C14H30O3S              | 1000309-13-0 | 35   |      |
| 3       | Oxalic acid, 6-ethyloct-3-yl pro... | 272          | C15H28O4               | 1000309-34-0 | 35   |      |
| 4       | Sulfurous acid, hexyl nonyl ester   | 292          | C15H32O3S              | 1000309-13-1 | 27   |      |
| 5       | Heptane, 2,4,6-trimethyl-           | 142          | C10H22                 | 002613-61-8  | 25   |      |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW112718\  
 Data File : VW007101.D  
 Acq On : 27 Nov 2018 21:00  
 Operator : VAY/AP  
 Sample : J6085-02  
 Misc : 4.99G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

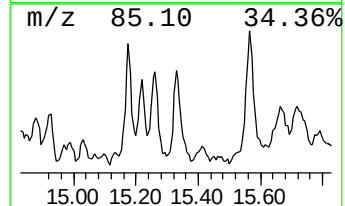
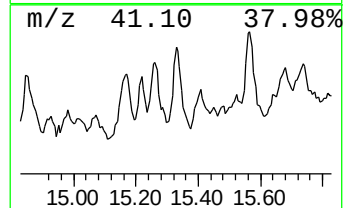
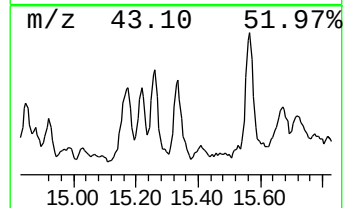
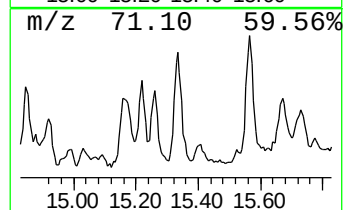
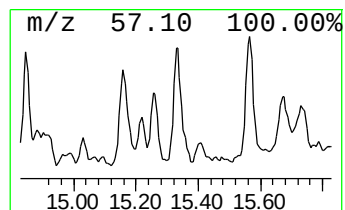
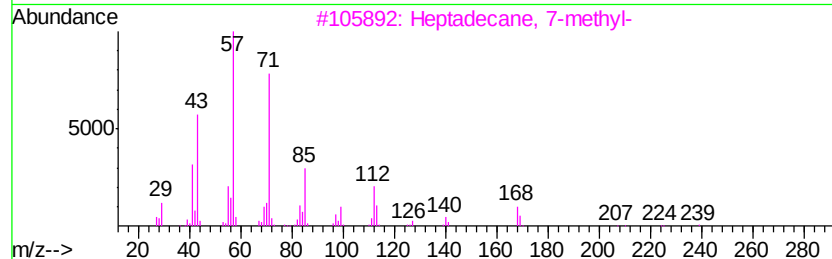
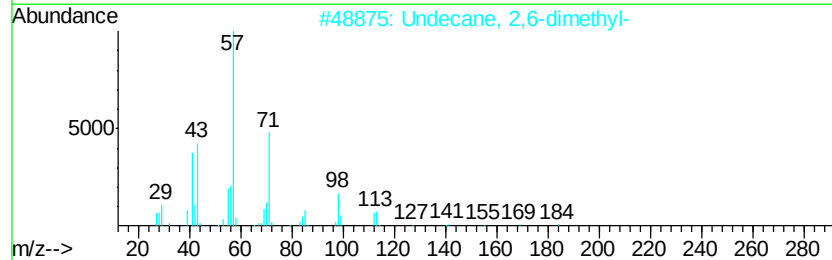
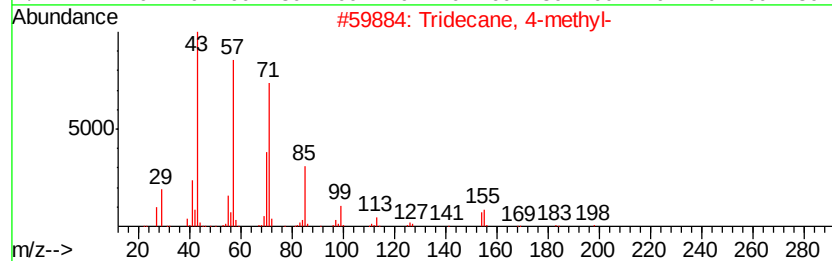
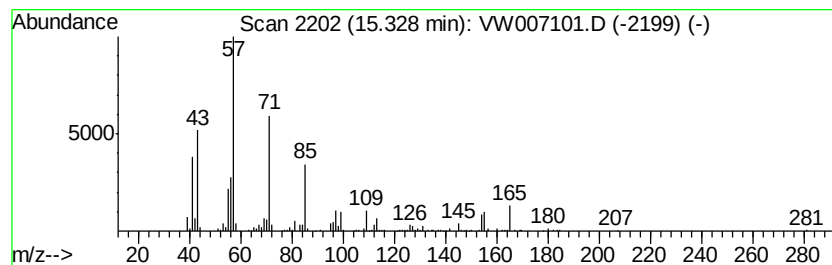
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 ClientSampleId :  
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
 Quant Title : SW846 8260

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

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 Peak Number 7 Tridecane, 4-methyl- Concentration Rank 7

| R.T.    | EstConc    | Area                    | Relative to ISTD       | R.T.    |             |      |
|---------|------------|-------------------------|------------------------|---------|-------------|------|
| 15.33   | 27.27 ug/l | 159338                  | 1,4-Dichlorobenzene-d4 | 13.57   |             |      |
| Hit# of | 5          | Tentative ID            | MW                     | MolForm | CAS#        | Qual |
| 1       |            | Tridecane, 4-methyl-    | 198                    | C14H30  | 026730-12-1 | 58   |
| 2       |            | Undecane, 2,6-dimethyl- | 184                    | C13H28  | 017301-23-4 | 58   |
| 3       |            | Heptadecane, 7-methyl-  | 254                    | C18H38  | 020959-33-5 | 53   |
| 4       |            | Undecane, 2,9-dimethyl- | 184                    | C13H28  | 017301-26-7 | 52   |
| 5       |            | Undecane, 3,5-dimethyl- | 184                    | C13H28  | 017312-81-1 | 52   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW112718\  
Data File : VW007101.D  
Acq On : 27 Nov 2018 21:00  
Operator : VAY/AP  
Sample : J6085-02  
Misc : 4.99G/5ML/MSVOA\_W/SOIL  
ALS Vial : 21 Sample Multiplier: 1

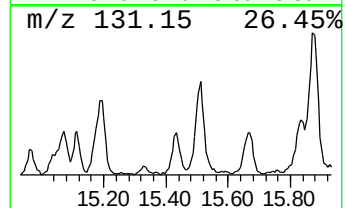
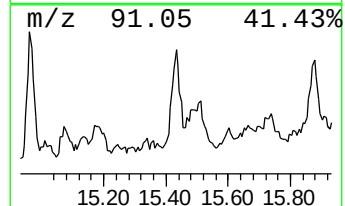
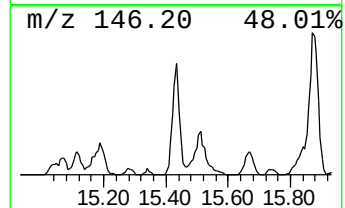
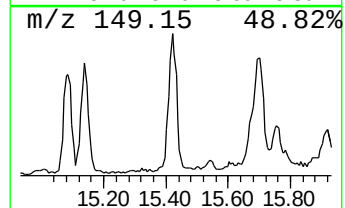
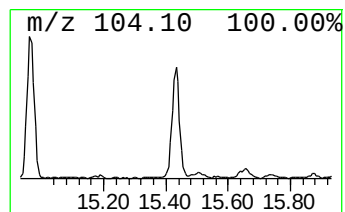
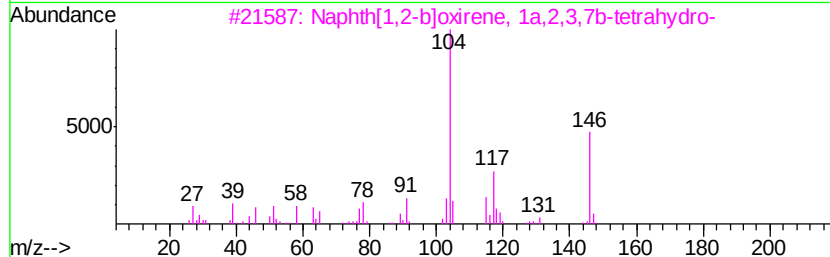
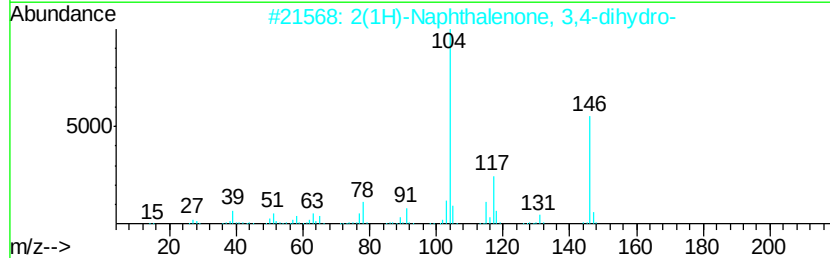
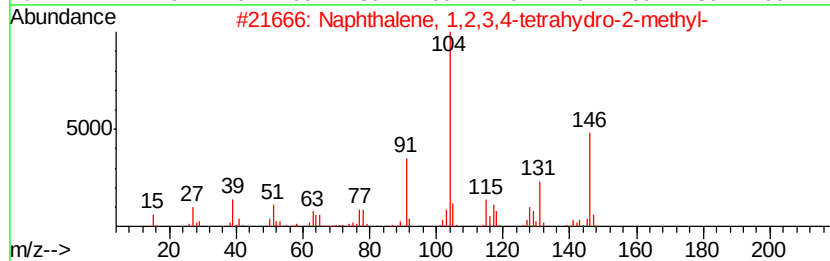
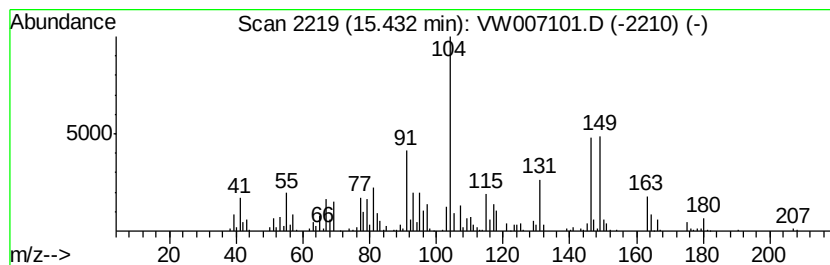
Instrument :  
MSVOA\_W  
ClientSampleId :  
NS-OILY-STONE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260

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

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Peak Number 8 Naphthalene, 1,2,3,4-tetra... Concentration Rank 2

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 15.43   | 41.65 ug/l | 243388                              | 1,4-Dichlorobenzene-d4 | 13.57          |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |            | Naphthalene, 1,2,3,4-tetrahydro-... | 146 C11H14             | 003877-19-8 86 |
| 2       |            | 2(1H)-Naphthalenone, 3,4-dihydro-   | 146 C10H10O            | 000530-93-8 55 |
| 3       |            | Naphth[1,2-b]oxirene, 1a,2,3,7b-... | 146 C10H10O            | 002461-34-9 43 |
| 4       |            | 2,6-Piperidinedione, 3-phenyl-      | 189 C11H11N02          | 014149-34-9 35 |
| 5       |            | Benzene, 1-octenyl-                 | 188 C14H20             | 029518-72-7 35 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW112718\  
 Data File : VW007101.D  
 Acq On : 27 Nov 2018 21:00  
 Operator : VAY/AP  
 Sample : J6085-02  
 Misc : 4.99G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 NS-OILY-STONE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
 Quant Title : SW846 8260

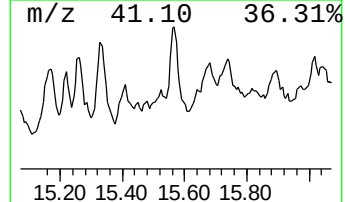
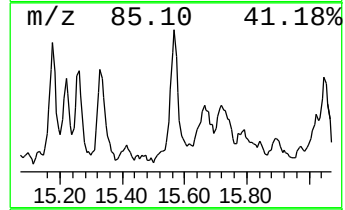
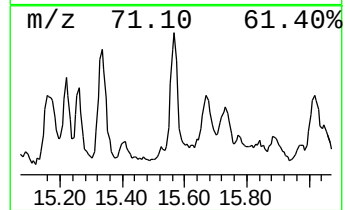
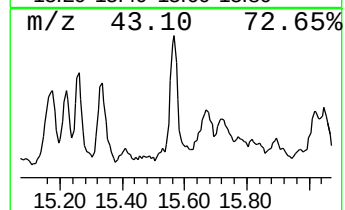
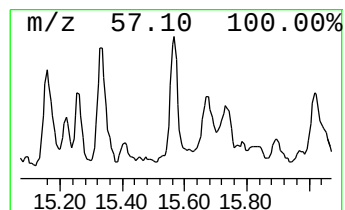
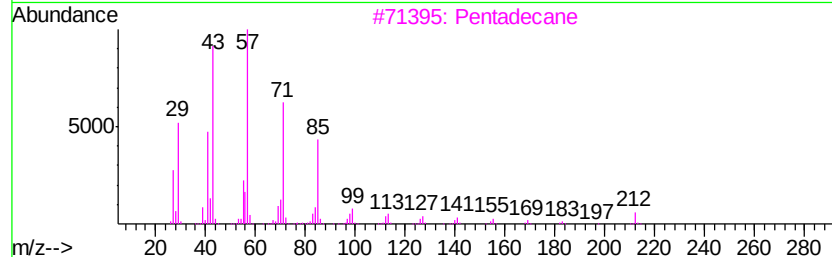
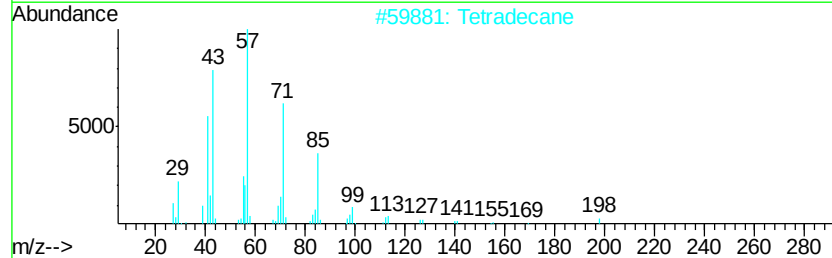
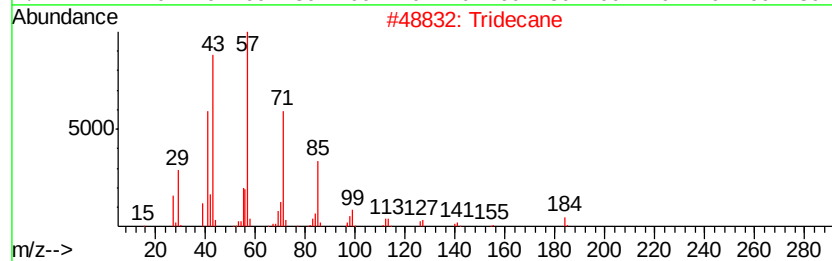
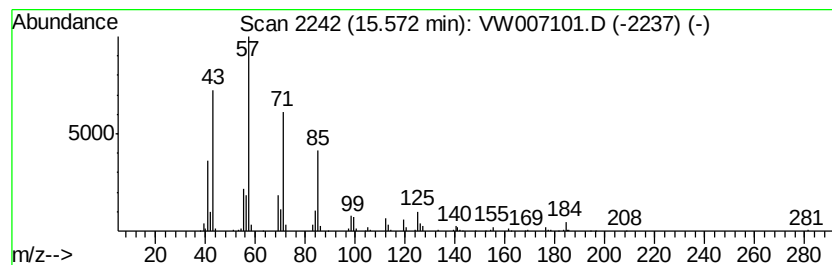
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
 Peak Number 9 Tridecane Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.57 | 30.64 ug/l | 179063 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# of | 5                                   | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------------------------------|--------------|-----|---------|-------------|------|
| 1       | Tridecane                           |              | 184 | C13H28  | 000629-50-5 | 93   |
| 2       | Tetradecane                         |              | 198 | C14H30  | 000629-59-4 | 83   |
| 3       | Pentadecane                         |              | 212 | C15H32  | 000629-62-9 | 80   |
| 4       | Dodecane                            |              | 170 | C12H26  | 000112-40-3 | 80   |
| 5       | Heptadecane, 2,6,10,15-tetramethyl- |              | 296 | C21H44  | 054833-48-6 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW112718\  
Data File : VW007101.D  
Acq On : 27 Nov 2018 21:00  
Operator : VAY/AP  
Sample : J6085-02  
Misc : 4.99G/5ML/MSVOA\_W/SOIL  
ALS Vial : 21 Sample Multiplier: 1

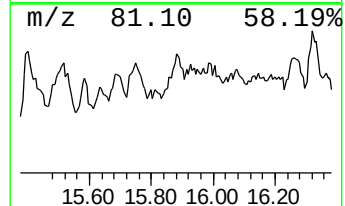
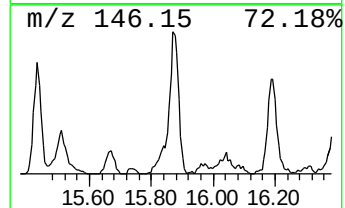
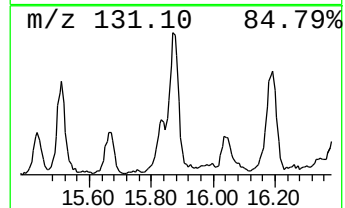
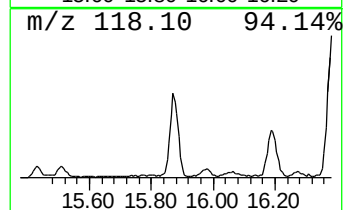
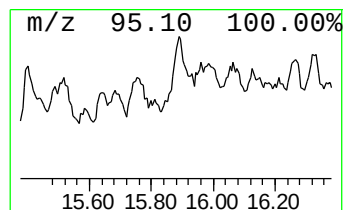
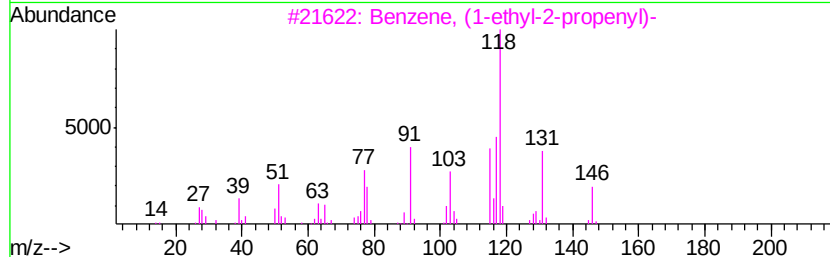
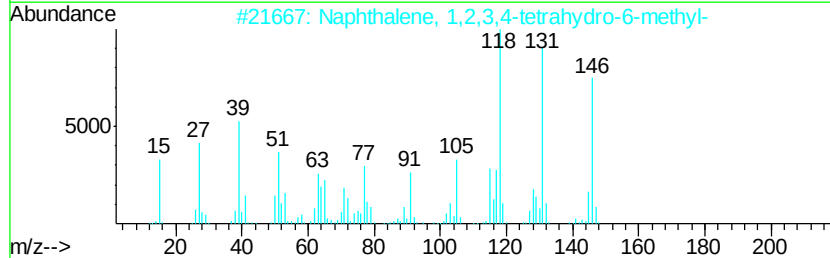
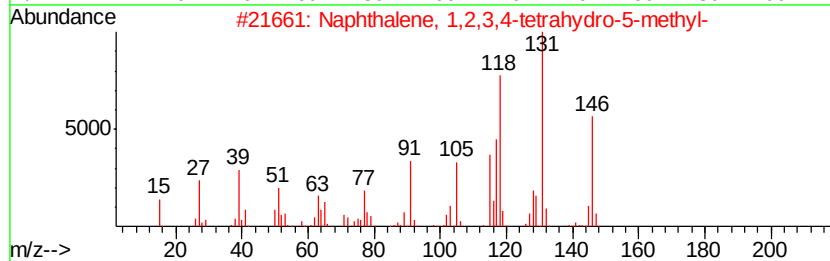
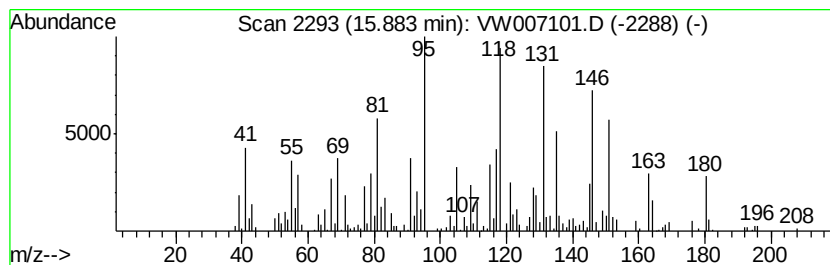
Instrument :  
MSVOA\_W  
ClientSampleId :  
NS-OILY-STONE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 10 Naphthalene, 1,2,3,4-tetra... Concentration Rank 6

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 15.88   | 30.39 ug/l | 177592                              | 1,4-Dichlorobenzene-d4 | 13.57          |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |            | Naphthalene, 1,2,3,4-tetrahydro-... | 146 C11H14             | 002809-64-5 83 |
| 2       |            | Naphthalene, 1,2,3,4-tetrahydro-... | 146 C11H14             | 001680-51-9 60 |
| 3       |            | Benzene, (1-ethyl-2-propenyl)-      | 146 C11H14             | 019947-22-9 49 |
| 4       |            | 5H-Cyclohepta[b]pyridine, 6,7,8,... | 163 C10H13NO           | 041043-09-8 46 |
| 5       |            | 1H-Inden-1-one, 2,3-dihydro-2-me... | 146 C10H10O            | 017496-14-9 38 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW112718\  
Data File : VW007101.D  
Acq On : 27 Nov 2018 21:00  
Operator : VAY/AP  
Sample : J6085-02  
Misc : 4.99G/5ML/MSVOA\_W/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
NS-OILY-STONE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.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 |
| Undecane             | 13.88 | 21.8    | ug/l  | 127334   | 4                     | 13.57 | 292186 | 50.0 |
| trans-Decalin, 2-... | 14.40 | 24.9    | ug/l  | 145750   | 4                     | 13.57 | 292186 | 50.0 |
| Dodecane             | 14.73 | 34.8    | ug/l  | 203089   | 4                     | 13.57 | 292186 | 50.0 |
| Cyclohexane, 1-me... | 14.81 | 22.7    | ug/l  | 132449   | 4                     | 13.57 | 292186 | 50.0 |
| Undecane, 2,5-dim... | 14.85 | 31.3    | ug/l  | 182736   | 4                     | 13.57 | 292186 | 50.0 |
| Oxalic acid, bis(... | 15.17 | 45.1    | ug/l  | 263672   | 4                     | 13.57 | 292186 | 50.0 |
| Tridecane, 4-methyl- | 15.33 | 27.3    | ug/l  | 159338   | 4                     | 13.57 | 292186 | 50.0 |
| Naphthalene, 1,2,... | 15.43 | 41.6    | ug/l  | 243388   | 4                     | 13.57 | 292186 | 50.0 |
| Tridecane            | 15.57 | 30.6    | ug/l  | 179063   | 4                     | 13.57 | 292186 | 50.0 |
| Naphthalene, 1,2,... | 15.88 | 30.4    | ug/l  | 177592   | 4                     | 13.57 | 292186 | 50.0 |