

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011023\  
 Data File : VN076187.D  
 Acq On : 10 Jan 2023 17:12  
 Operator : JC\MD  
 Sample : 01061-01  
 Misc : 5.06gr/10mL/100uL/5.0mL/MSVOA\_N/MeOH  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SLUDGE-4

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\_N\methods\82N121422W.M  
 Title : SW846 8260

Signal : TIC: VN076187.D\data.ms

| 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         | 5.271       | 535           | 547         | 554          | rBV4     | 12144          | 40660         | 2.49%           | 0.255%        |
| 2         | 8.171       | 1030          | 1040        | 1044         | rBV      | 215861         | 524687        | 32.18%          | 3.296%        |
| 3         | 8.224       | 1044          | 1049        | 1061         | rVB      | 462305         | 999708        | 61.31%          | 6.279%        |
| 4         | 8.583       | 1099          | 1110        | 1124         | rBV      | 223537         | 506109        | 31.04%          | 3.179%        |
| 5         | 8.765       | 1133          | 1141        | 1153         | rBV3     | 8907           | 28800         | 1.77%           | 0.181%        |
| 6         | 9.100       | 1188          | 1198        | 1214         | rBV      | 586097         | 1201666       | 73.69%          | 7.548%        |
| 7         | 9.600       | 1270          | 1283        | 1288         | rBV5     | 11388          | 26977         | 1.65%           | 0.169%        |
| 8         | 10.565      | 1439          | 1447        | 1454         | rBV      | 883766         | 1610010       | 98.73%          | 10.113%       |
| 9         | 10.630      | 1454          | 1458        | 1465         | rVB      | 25869          | 49147         | 3.01%           | 0.309%        |
| 10        | 10.747      | 1472          | 1478        | 1484         | rVB2     | 23207          | 41362         | 2.54%           | 0.260%        |
| 11        | 11.471      | 1596          | 1601        | 1608         | rVB4     | 9810           | 19688         | 1.21%           | 0.124%        |
| 12        | 11.641      | 1622          | 1630        | 1643         | rVV7     | 14018          | 43509         | 2.67%           | 0.273%        |
| 13        | 11.741      | 1643          | 1647        | 1654         | rVB2     | 15014          | 24813         | 1.52%           | 0.156%        |
| 14        | 11.865      | 1660          | 1668        | 1681         | rBV      | 740467         | 1349736       | 82.77%          | 8.478%        |
| 15        | 11.965      | 1681          | 1685        | 1689         | rBV      | 19321          | 31623         | 1.94%           | 0.199%        |
| 16        | 12.071      | 1694          | 1703        | 1708         | rBV2     | 104693         | 189645        | 11.63%          | 1.191%        |
| 17        | 12.153      | 1713          | 1717        | 1723         | rVB4     | 9445           | 17059         | 1.05%           | 0.107%        |
| 18        | 12.400      | 1748          | 1759        | 1766         | rBV3     | 40139          | 110103        | 6.75%           | 0.692%        |
| 19        | 12.482      | 1766          | 1773        | 1778         | rVB2     | 26523          | 45613         | 2.80%           | 0.286%        |
| 20        | 12.594      | 1778          | 1792        | 1805         | rBV9     | 28921          | 120863        | 7.41%           | 0.759%        |
| 21        | 12.712      | 1805          | 1812        | 1816         | rBV4     | 38506          | 87016         | 5.34%           | 0.547%        |
| 22        | 12.771      | 1819          | 1822        | 1825         | rBV2     | 15532          | 17490         | 1.07%           | 0.110%        |
| 23        | 12.853      | 1830          | 1836        | 1845         | rVB      | 581478         | 1029380       | 63.12%          | 6.466%        |
| 24        | 12.941      | 1846          | 1851        | 1856         | rBV8     | 7270           | 16346         | 1.00%           | 0.103%        |
| 25        | 13.024      | 1860          | 1865        | 1872         | rVB3     | 24300          | 49311         | 3.02%           | 0.310%        |
| 26        | 13.100      | 1872          | 1878        | 1882         | rBV2     | 51865          | 96285         | 5.90%           | 0.605%        |
| 27        | 13.159      | 1882          | 1888        | 1896         | rVB2     | 182248         | 348289        | 21.36%          | 2.188%        |
| 28        | 13.271      | 1902          | 1907        | 1910         | rVB3     | 17993          | 28294         | 1.74%           | 0.178%        |
| 29        | 13.341      | 1910          | 1919        | 1924         | rBV4     | 24479          | 70818         | 4.34%           | 0.445%        |
| 30        | 13.394      | 1924          | 1928        | 1936         | rVB2     | 51332          | 82362         | 5.05%           | 0.517%        |
| 31        | 13.482      | 1936          | 1943        | 1949         | rBV      | 79905          | 142623        | 8.75%           | 0.896%        |
| 32        | 13.582      | 1956          | 1960        | 1963         | rBV6     | 17111          | 31332         | 1.92%           | 0.197%        |
| 33        | 13.706      | 1970          | 1981        | 1990         | rBV      | 915214         | 1630707       | 100.00%         | 10.243%       |
| 34        | 13.794      | 1990          | 1996        | 2004         | rVV      | 773018         | 1356306       | 83.17%          | 8.519%        |
| 35        | 13.859      | 2004          | 2007        | 2014         | rVB5     | 40178          | 76325         | 4.68%           | 0.479%        |
| 36        | 13.947      | 2015          | 2022        | 2025         | rBV7     | 27954          | 56404         | 3.46%           | 0.354%        |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SLUDGE-4

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\_N\methods\82N121422W.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 13.988 | 2025 | 2029 | 2032 | rBV2 | 30567  | 46212  | 2.83%  | 0.290% |
| 38 | 14.023 | 2032 | 2035 | 2040 | rVB3 | 23931  | 33013  | 2.02%  | 0.207% |
| 39 | 14.106 | 2044 | 2049 | 2056 | rBV  | 247823 | 414720 | 25.43% | 2.605% |
| 40 | 14.241 | 2066 | 2072 | 2076 | rBV5 | 81807  | 164286 | 10.07% | 1.032% |
| 41 | 14.329 | 2083 | 2087 | 2091 | rVB2 | 36412  | 56405  | 3.46%  | 0.354% |
| 42 | 14.370 | 2091 | 2094 | 2100 | rVB4 | 25655  | 46713  | 2.86%  | 0.293% |
| 43 | 14.441 | 2100 | 2106 | 2111 | rBV3 | 49938  | 96395  | 5.91%  | 0.605% |
| 44 | 14.529 | 2114 | 2121 | 2125 | rBV5 | 46317  | 86193  | 5.29%  | 0.541% |
| 45 | 14.582 | 2125 | 2130 | 2133 | rBV6 | 35507  | 62293  | 3.82%  | 0.391% |
| 46 | 14.629 | 2134 | 2138 | 2141 | rBV4 | 75783  | 105565 | 6.47%  | 0.663% |
| 47 | 14.694 | 2147 | 2149 | 2152 | rVB  | 35140  | 37287  | 2.29%  | 0.234% |
| 48 | 14.735 | 2152 | 2156 | 2159 | rBV4 | 74332  | 98763  | 6.06%  | 0.620% |
| 49 | 14.776 | 2159 | 2163 | 2174 | rVB6 | 82727  | 217616 | 13.34% | 1.367% |
| 50 | 14.959 | 2186 | 2194 | 2201 | rVB4 | 199221 | 366441 | 22.47% | 2.302% |
| 51 | 15.053 | 2201 | 2210 | 2211 | rBV5 | 81506  | 193990 | 11.90% | 1.218% |
| 52 | 15.217 | 2233 | 2238 | 2241 | rBV4 | 62272  | 115806 | 7.10%  | 0.727% |
| 53 | 15.323 | 2252 | 2256 | 2265 | rVB6 | 97364  | 232892 | 14.28% | 1.463% |
| 54 | 15.423 | 2266 | 2273 | 2274 | rBV5 | 66799  | 143527 | 8.80%  | 0.902% |
| 55 | 15.535 | 2285 | 2292 | 2294 | rBV7 | 38017  | 87321  | 5.35%  | 0.548% |
| 56 | 15.641 | 2306 | 2310 | 2318 | rVB8 | 51015  | 115955 | 7.11%  | 0.728% |
| 57 | 15.835 | 2338 | 2343 | 2353 | rVB  | 166135 | 341781 | 20.96% | 2.147% |
| 58 | 15.941 | 2355 | 2361 | 2368 | rVV7 | 52368  | 142150 | 8.72%  | 0.893% |
| 59 | 16.017 | 2369 | 2374 | 2384 | rVV6 | 60195  | 141785 | 8.69%  | 0.891% |
| 60 | 16.123 | 2386 | 2392 | 2394 | rVV5 | 23418  | 48007  | 2.94%  | 0.302% |
| 61 | 16.170 | 2395 | 2400 | 2406 | rVB  | 78959  | 157377 | 9.65%  | 0.989% |
| 62 | 16.335 | 2422 | 2428 | 2430 | rBV5 | 26350  | 53360  | 3.27%  | 0.335% |
| 63 | 16.506 | 2453 | 2457 | 2461 | rVB5 | 29833  | 50098  | 3.07%  | 0.315% |
| 64 | 16.617 | 2473 | 2476 | 2483 | rVB7 | 19652  | 32706  | 2.01%  | 0.205% |
| 65 | 16.717 | 2486 | 2493 | 2499 | rVV2 | 59492  | 131066 | 8.04%  | 0.823% |

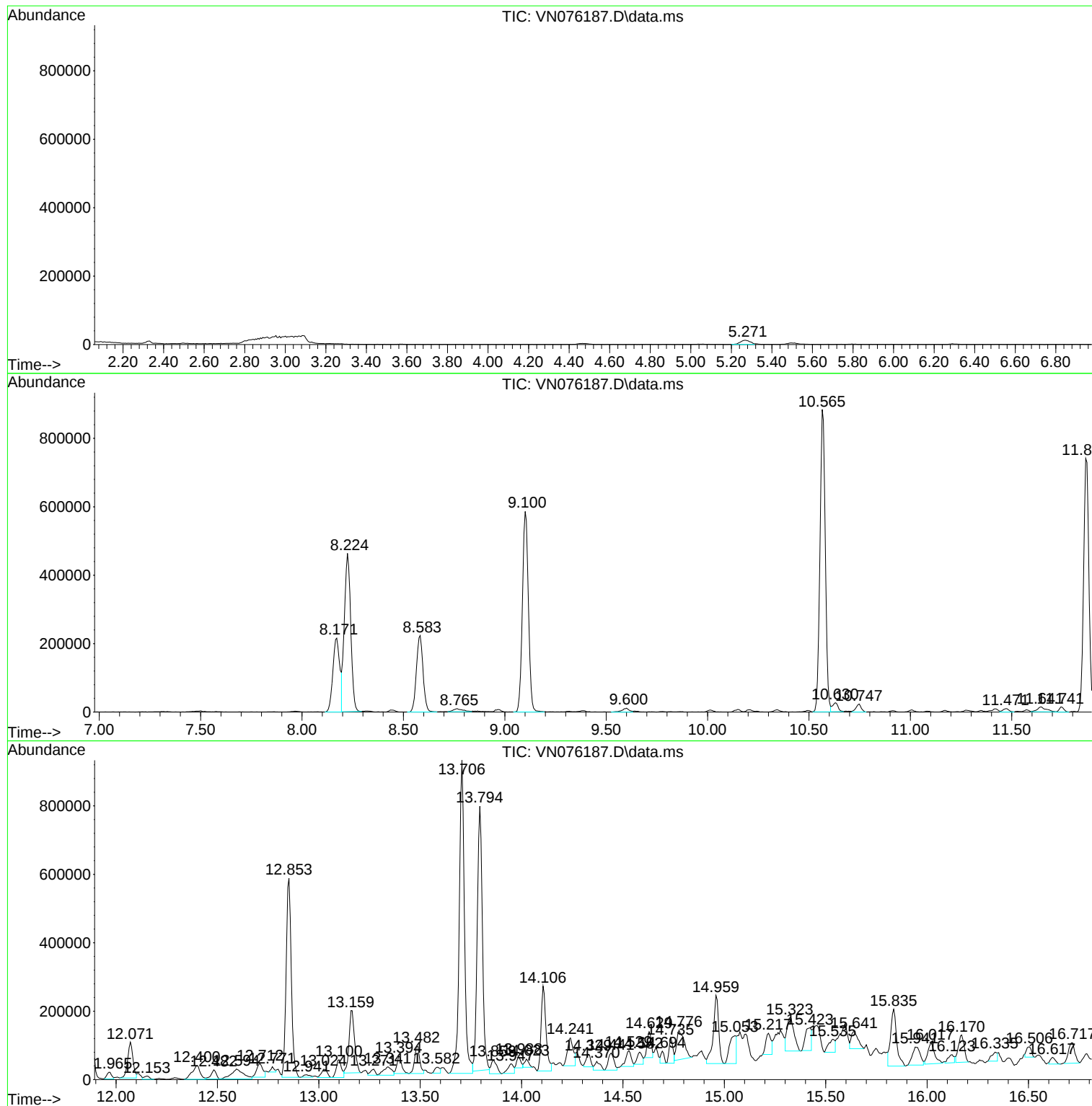
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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SLUDGE-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SLUDGE-4

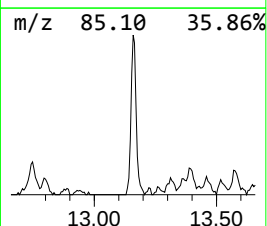
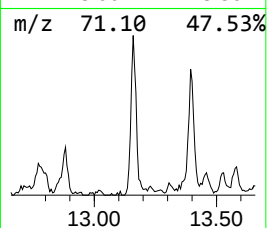
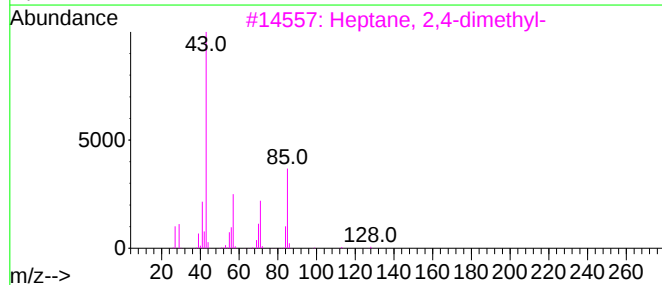
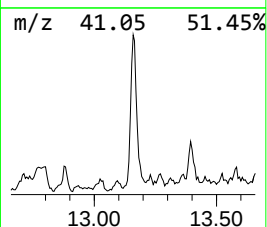
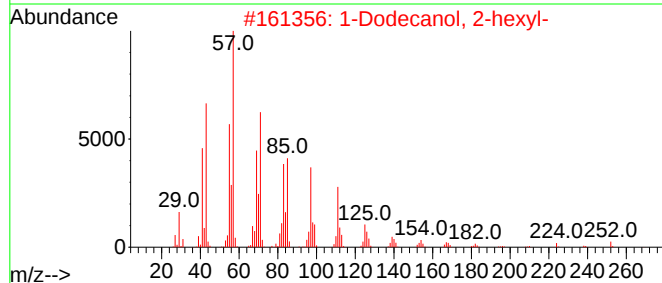
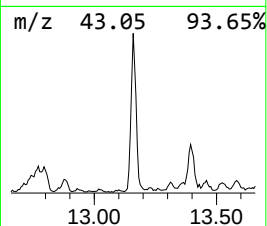
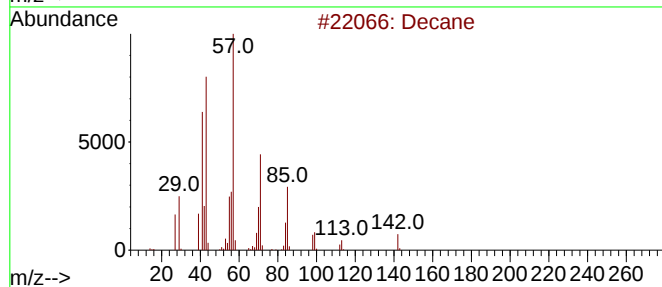
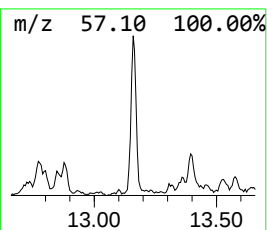
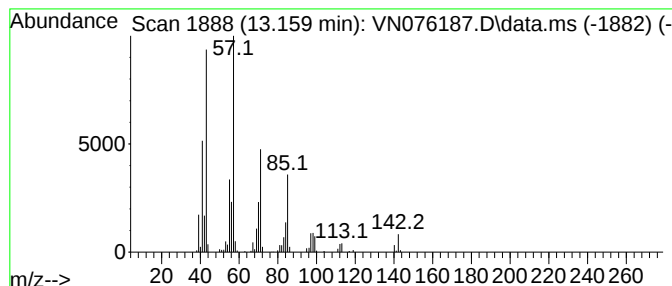
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Decane Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.159 | 12.84 ug/l | 348289 | 1,4-Dichlorobenzene-d4 | 13.794 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Decane                  | 142 | C10H22  | 000124-18-5 | 96   |
| 2    |    |   | 1-Dodecanol, 2-hexyl-   | 270 | C18H38O | 110225-00-8 | 78   |
| 3    |    |   | Heptane, 2,4-dimethyl-  | 128 | C9H20   | 002213-23-2 | 72   |
| 4    |    |   | Undecane, 2,7-dimethyl- | 184 | C13H28  | 017301-24-5 | 64   |
| 5    |    |   | Hexadecane              | 226 | C16H34  | 000544-76-3 | 59   |



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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SLUDGE-4

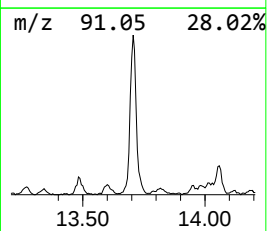
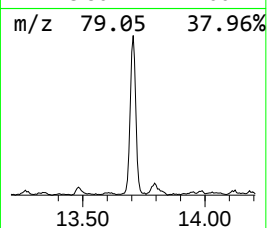
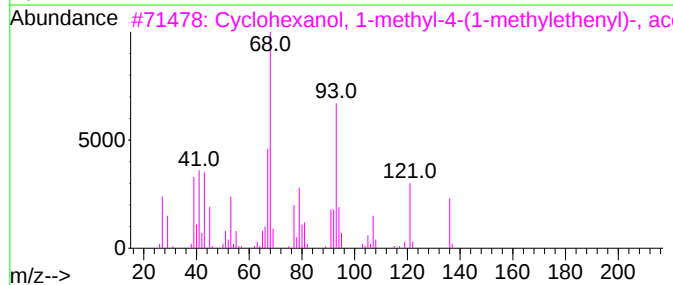
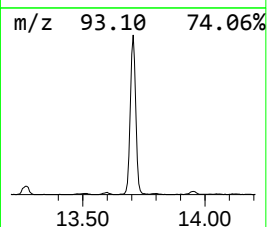
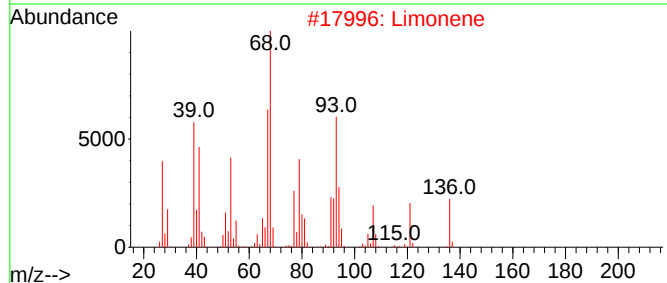
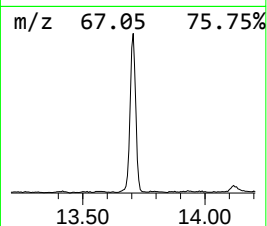
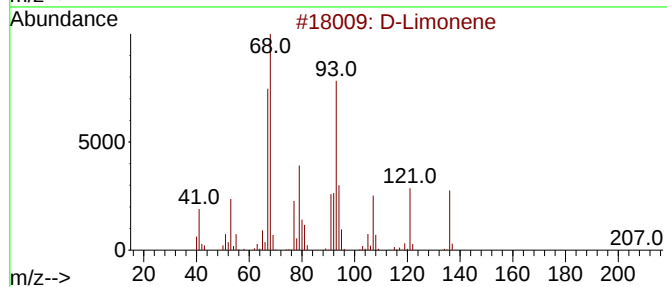
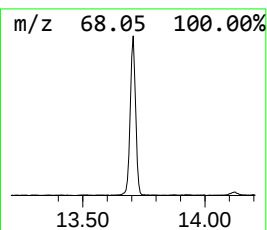
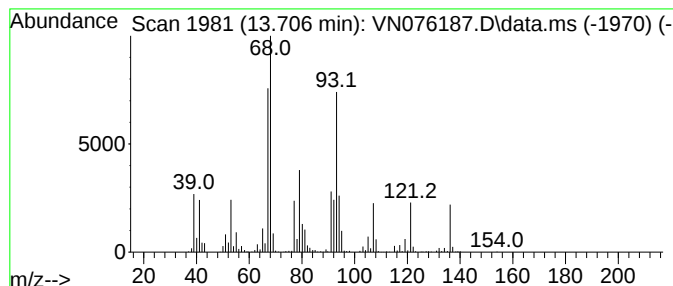
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 D-Limonene Concentration Rank 1

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 13.706 | 60.12 ug/l | 1630710 | 1,4-Dichlorobenzene-d4 | 13.794 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | D-Limonene                          | 136 | C10H16   | 005989-27-5 | 99   |
| 2    |    |   | Limonene                            | 136 | C10H16   | 000138-86-3 | 91   |
| 3    |    |   | Cyclohexanol, 1-methyl-4-(1-meth... | 196 | C12H20O2 | 010198-23-9 | 80   |
| 4    |    |   | Cyclohexene, 1-methyl-4-(1-methy... | 136 | C10H16   | 005989-54-8 | 76   |
| 5    |    |   | Cyclohexene, 4-ethenyl-1,4-dimet... | 136 | C10H16   | 001743-61-9 | 62   |



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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SLUDGE-4

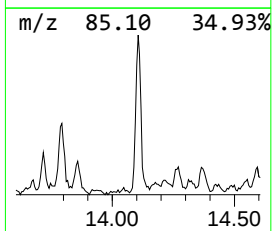
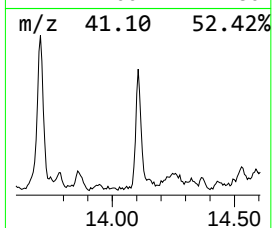
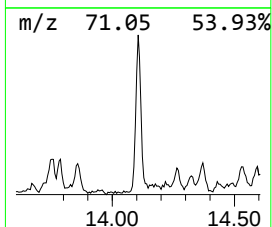
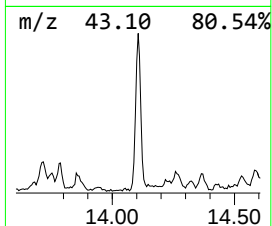
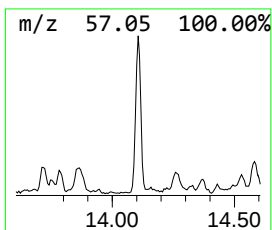
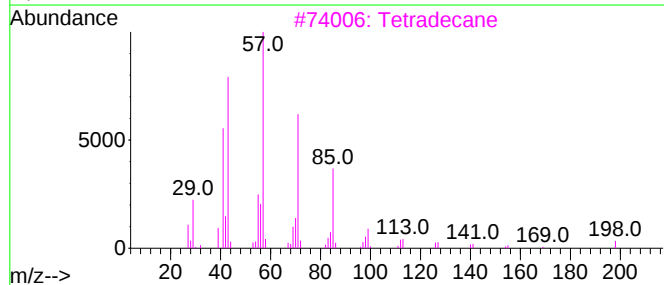
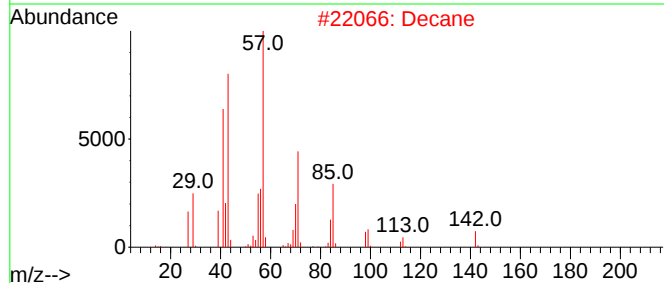
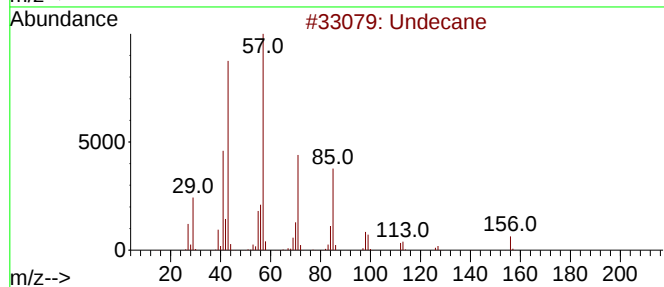
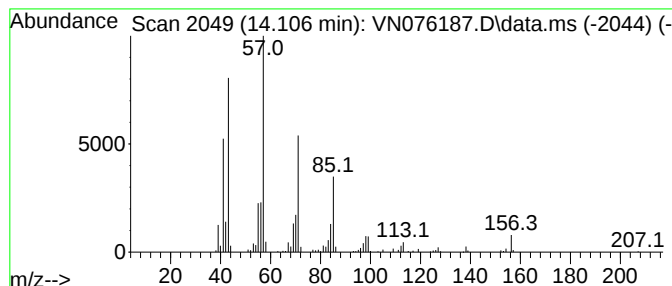
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Undecane Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.106 | 15.29 ug/l | 414720 | 1,4-Dichlorobenzene-d4 | 13.794 |

| Hit# | of                                  | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|-------------------------------------|---|--------------|-----|---------|-------------|------|
| 1    | Undecane                            |   |              | 156 | C11H24  | 001120-21-4 | 97   |
| 2    | Decane                              |   |              | 142 | C10H22  | 000124-18-5 | 86   |
| 3    | Tetradecane                         |   |              | 198 | C14H30  | 000629-59-4 | 72   |
| 4    | Heptadecane, 2,6,10,14-tetramethyl- |   |              | 296 | C21H44  | 018344-37-1 | 72   |
| 5    | Dodecane, 2-methyl-6-propyl-        |   |              | 226 | C16H34  | 055045-08-4 | 64   |



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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SLUDGE-4

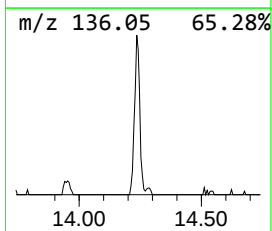
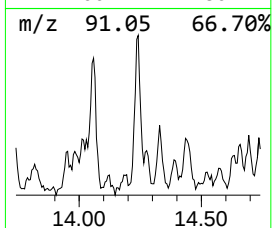
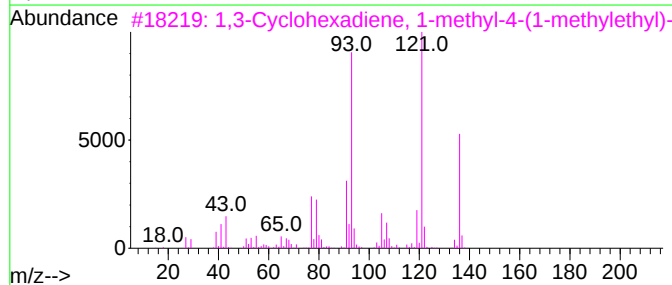
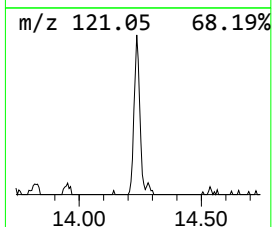
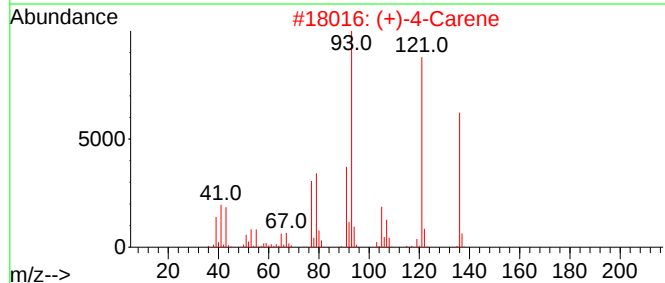
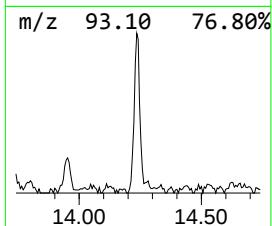
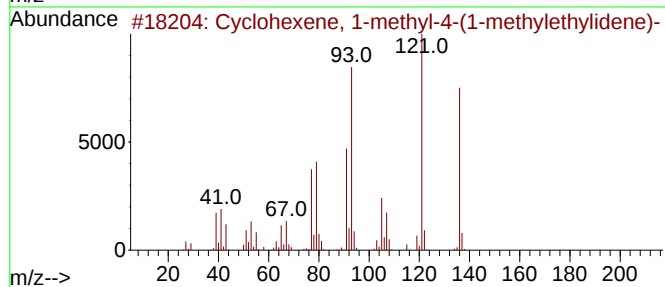
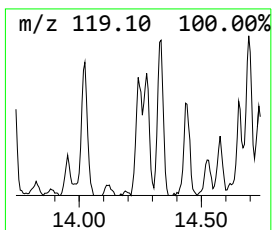
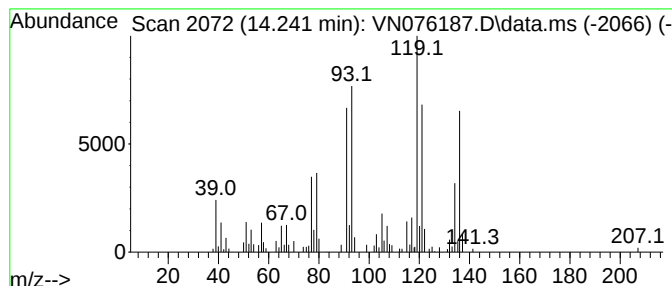
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 9

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.241 | 6.06 ug/l | 164286 | 1,4-Dichlorobenzene-d4 | 13.794 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexene, 1-methyl-4-(1-methy... | 136 | C10H16  | 000586-62-9 | 95   |
| 2    |    |   | (+)-4-Carene                        | 136 | C10H16  | 029050-33-7 | 95   |
| 3    |    |   | 1,3-Cyclohexadiene, 1-methyl-4-(... | 136 | C10H16  | 000099-86-5 | 91   |
| 4    |    |   | 2-Carene                            | 136 | C10H16  | 000554-61-0 | 91   |
| 5    |    |   | 3-Octen-5-yne, 2,7-dimethyl-, (Z)-  | 136 | C10H16  | 028935-76-4 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011023\  
Data File : VN076187.D  
Acq On : 10 Jan 2023 17:12  
Operator : JC\MD  
Sample : 01061-01  
Misc : 5.06gr/10mL/100uL/5.0mL/MSVOA\_N/MeOH  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SLUDGE-4

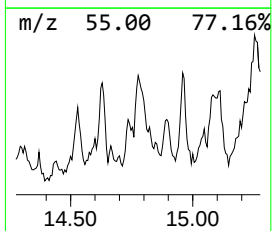
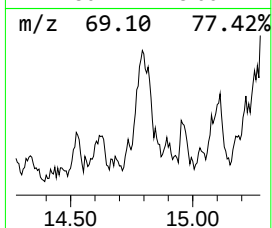
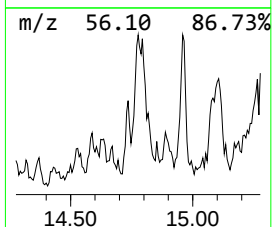
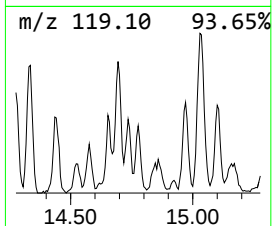
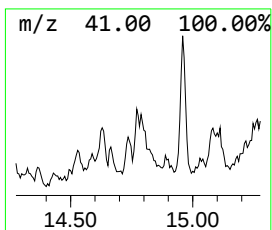
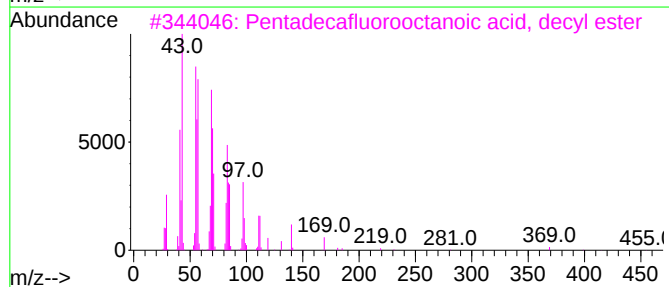
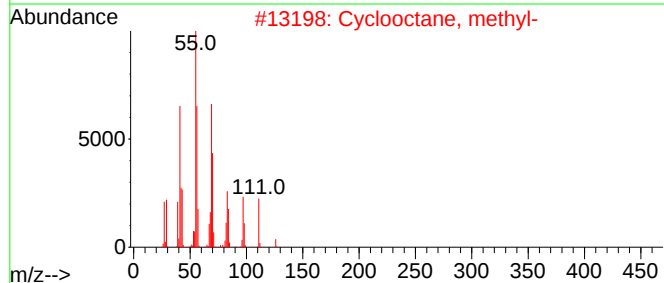
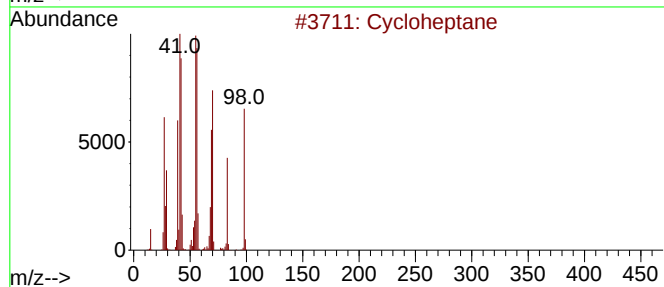
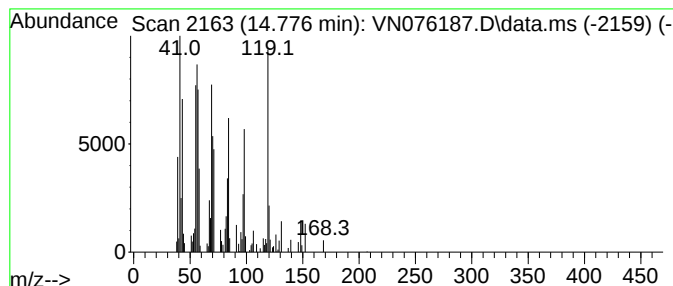
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Cycloheptane Concentration Rank 7

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.776 | 8.02 ug/l | 217616 | 1,4-Dichlorobenzene-d4 | 13.794 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Cycloheptane                        | 98  | C7H14       | 000291-64-5  | 52   |
| 2    |    |   | Cyclooctane, methyl-                | 126 | C9H18       | 001502-38-1  | 43   |
| 3    |    |   | Pentadecafluorooctanoic acid, de... | 554 | C18H21F15O2 | 1000406-04-0 | 38   |
| 4    |    |   | Acetic acid, trichloro-, nonyl e... | 288 | C11H19Cl3O2 | 065611-32-7  | 38   |
| 5    |    |   | 3-Heptene                           | 98  | C7H14       | 000592-78-9  | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011023\  
Data File : VN076187.D  
Acq On : 10 Jan 2023 17:12  
Operator : JC\MD  
Sample : 01061-01  
Misc : 5.06gr/10mL/100uL/5.0mL/MSVOA\_N/MeOH  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SLUDGE-4

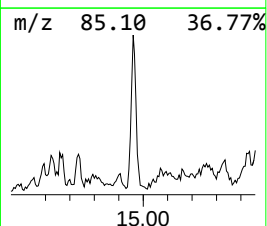
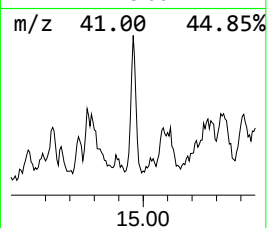
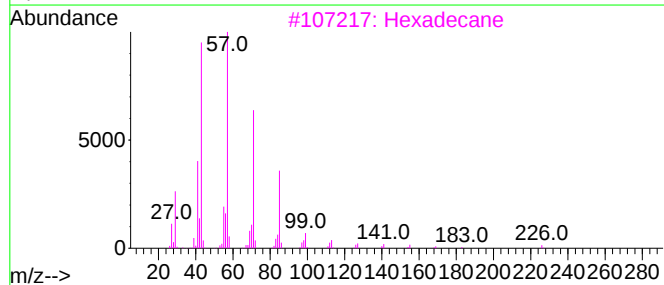
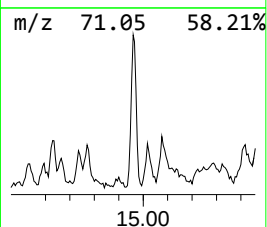
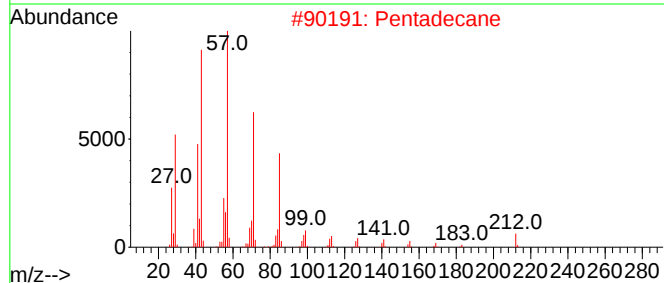
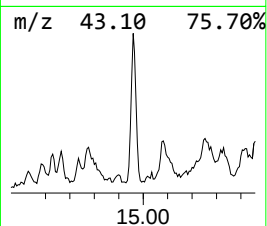
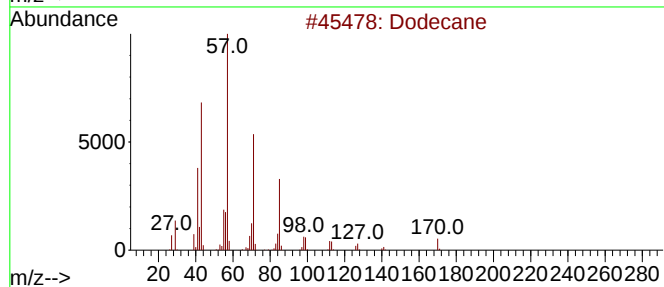
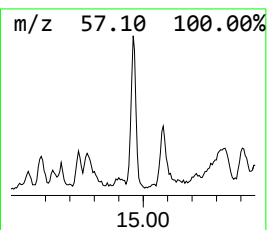
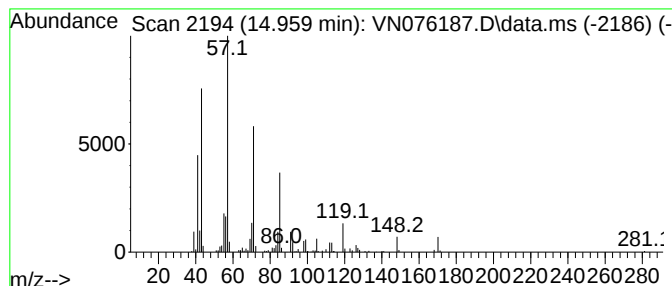
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Dodecane Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.959 | 13.51 ug/l | 366441 | 1,4-Dichlorobenzene-d4 | 13.794 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|----|---|------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Dodecane                           | 170 | C12H26   | 000112-40-3  | 87   |
| 2    |    |   | Pentadecane                        | 212 | C15H32   | 000629-62-9  | 72   |
| 3    |    |   | Hexadecane                         | 226 | C16H34   | 000544-76-3  | 72   |
| 4    |    |   | Tridecane                          | 184 | C13H28   | 000629-50-5  | 72   |
| 5    |    |   | Carbonic acid, dodecyl vinyl ester | 256 | C15H28O3 | 1000382-54-8 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011023\  
Data File : VN076187.D  
Acq On : 10 Jan 2023 17:12  
Operator : JC\MD  
Sample : 01061-01  
Misc : 5.06gr/10mL/100uL/5.0mL/MSVOA\_N/MeOH  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SLUDGE-4

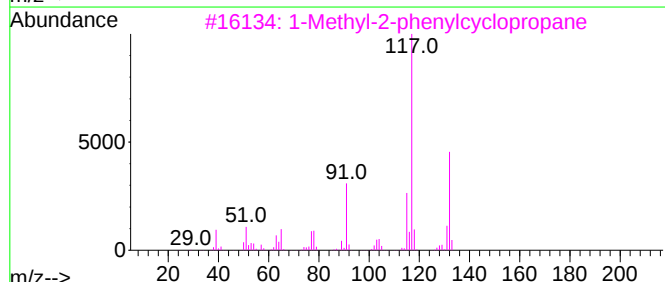
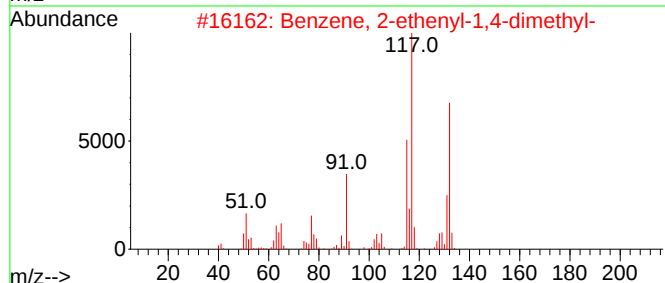
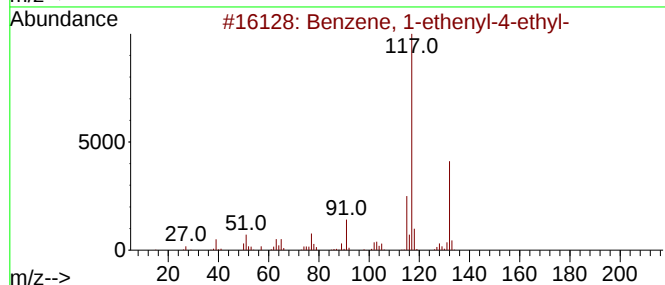
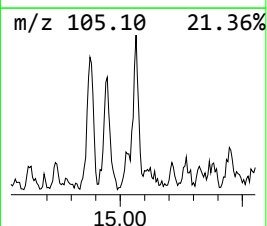
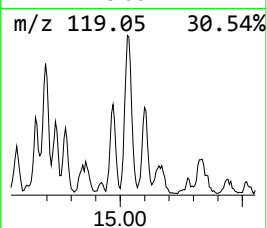
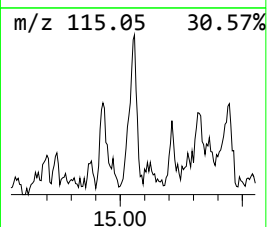
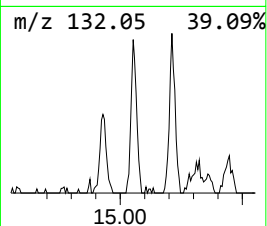
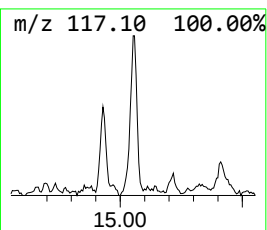
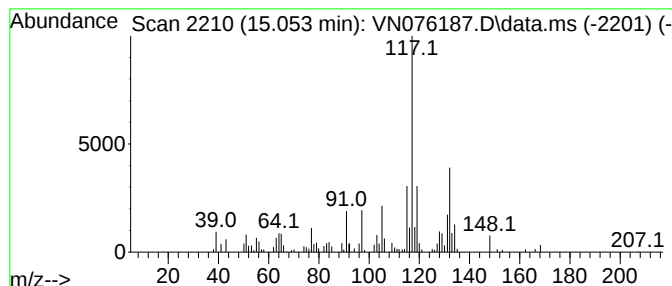
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 8

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 15.053 | 7.15 ug/l | 193990 | 1,4-Dichlorobenzene-d4 | 13.794 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethenyl-4-ethyl-         | 132 | C10H12  | 003454-07-7 | 92   |
| 2    |    |   | Benzene, 2-ethenyl-1,4-dimethyl-    | 132 | C10H12  | 002039-89-6 | 91   |
| 3    |    |   | 1-Methyl-2-phenylcyclopropane       | 132 | C10H12  | 003145-76-4 | 76   |
| 4    |    |   | 1-Phenyl-1-butene                   | 132 | C10H12  | 000824-90-8 | 70   |
| 5    |    |   | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 70   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011023\  
Data File : VN076187.D  
Acq On : 10 Jan 2023 17:12  
Operator : JC\MD  
Sample : 01061-01  
Misc : 5.06gr/10mL/100uL/5.0mL/MSVOA\_N/MeOH  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SLUDGE-4

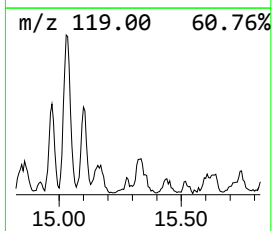
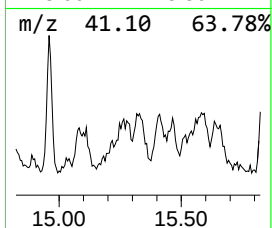
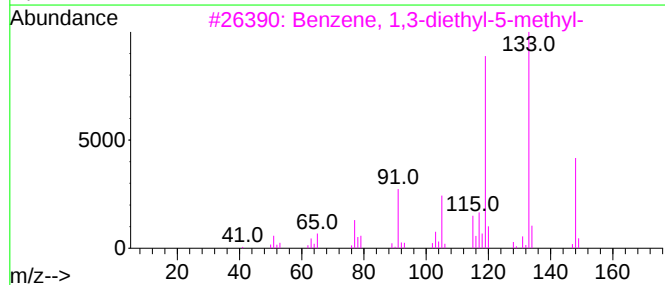
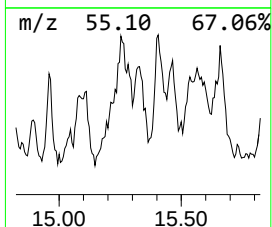
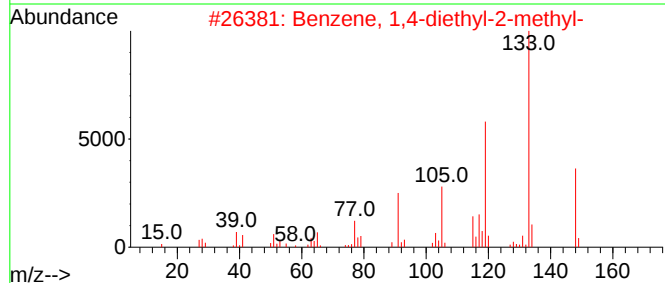
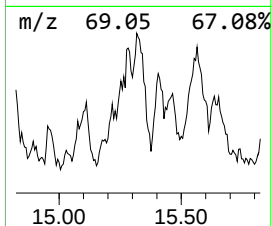
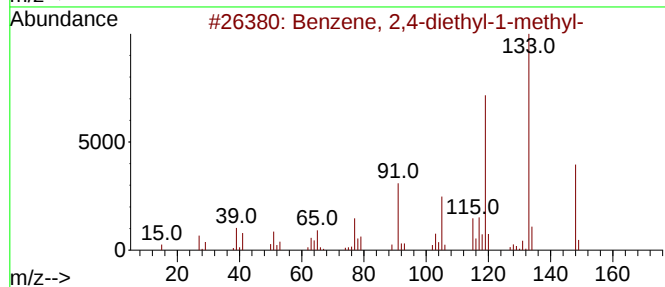
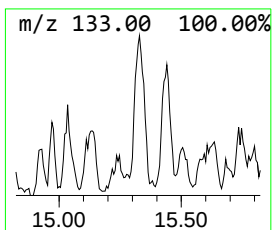
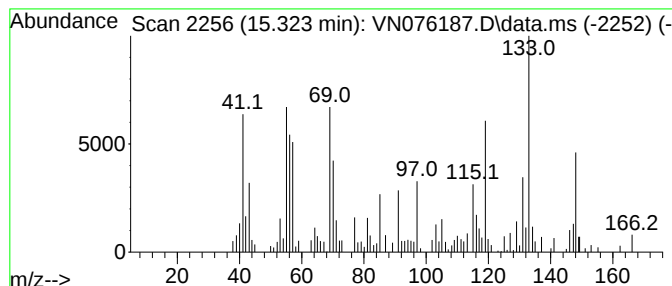
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 unknown15.323 Concentration Rank 6

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 15.323 | 8.59 ug/l | 232892 | 1,4-Dichlorobenzene-d4 | 13.794 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2,4-diethyl-1-methyl-    | 148 | C11H16  | 001758-85-6 | 45   |
| 2    |    |   | Benzene, 1,4-diethyl-2-methyl-    | 148 | C11H16  | 013632-94-5 | 45   |
| 3    |    |   | Benzene, 1,3-diethyl-5-methyl-    | 148 | C11H16  | 002050-24-0 | 43   |
| 4    |    |   | Benzene, pentamethyl-             | 148 | C11H16  | 000700-12-9 | 38   |
| 5    |    |   | Ethanone, 1-(3,4-dimethylphenyl)- | 148 | C10H12O | 003637-01-2 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011023\  
Data File : VN076187.D  
Acq On : 10 Jan 2023 17:12  
Operator : JC\MD  
Sample : 01061-01  
Misc : 5.06gr/10mL/100uL/5.0mL/MSVOA\_N/MeOH  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SLUDGE-4

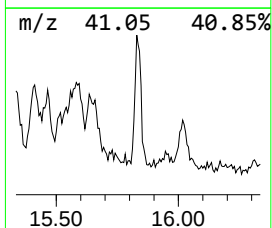
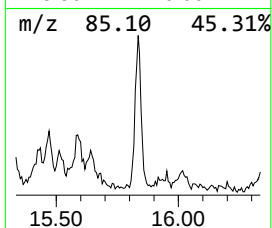
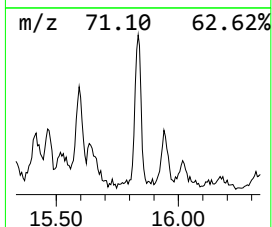
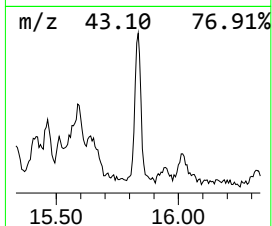
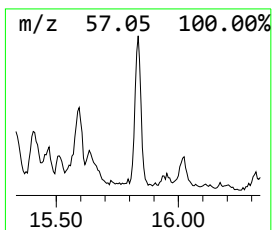
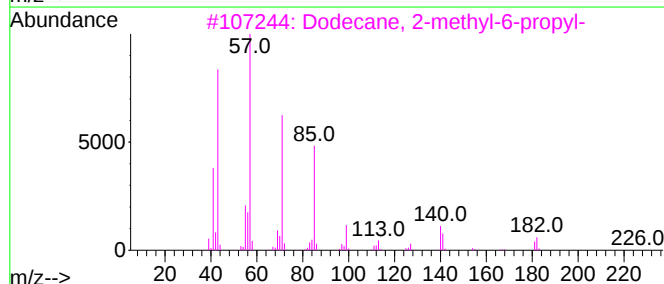
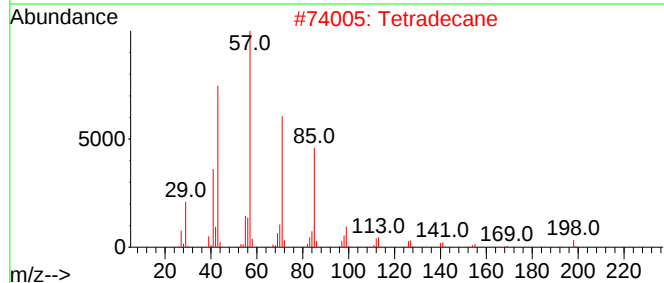
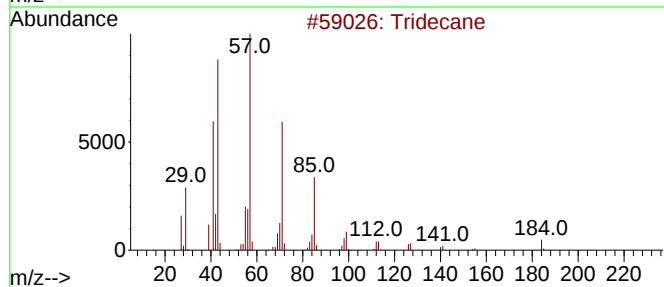
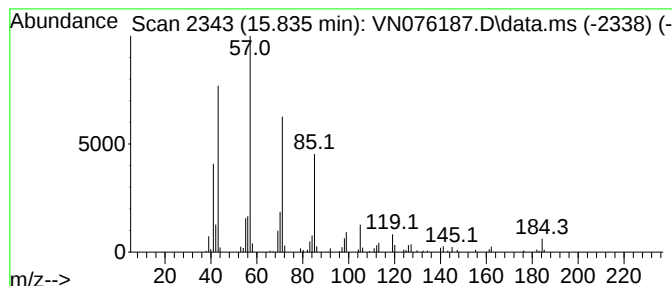
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.835 | 12.60 ug/l | 341781 | 1,4-Dichlorobenzene-d4 | 13.794 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Tridecane                    | 184 | C13H28  | 000629-50-5 | 95   |
| 2    |    |   | Tetradecane                  | 198 | C14H30  | 000629-59-4 | 80   |
| 3    |    |   | Dodecane, 2-methyl-6-propyl- | 226 | C16H34  | 055045-08-4 | 80   |
| 4    |    |   | Heptadecane                  | 240 | C17H36  | 000629-78-7 | 80   |
| 5    |    |   | Nonadecane                   | 268 | C19H40  | 000629-92-5 | 80   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011023\  
Data File : VN076187.D  
Acq On : 10 Jan 2023 17:12  
Operator : JC\MD  
Sample : 01061-01  
Misc : 5.06gr/10mL/100uL/5.0mL/MSVOA\_N/MeOH  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SLUDGE-4

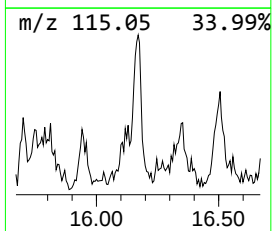
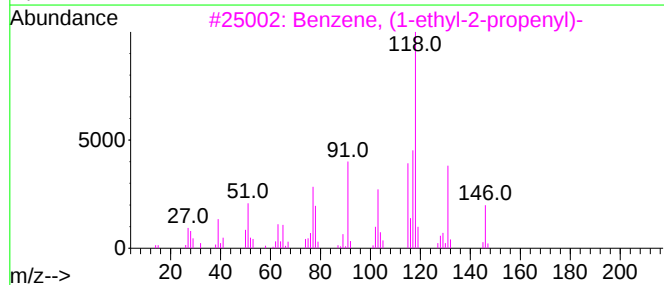
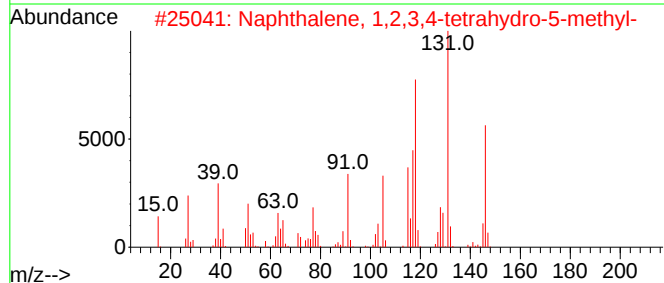
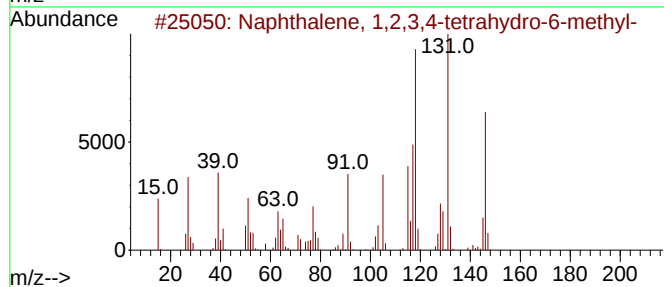
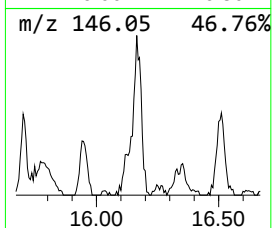
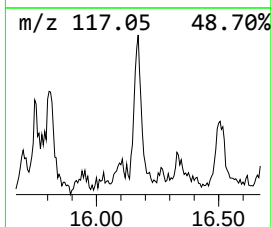
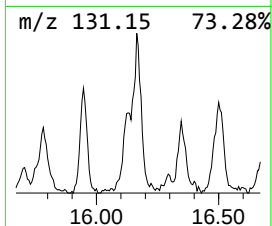
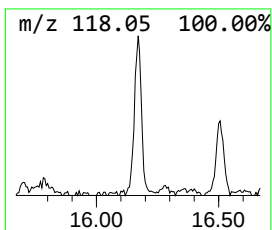
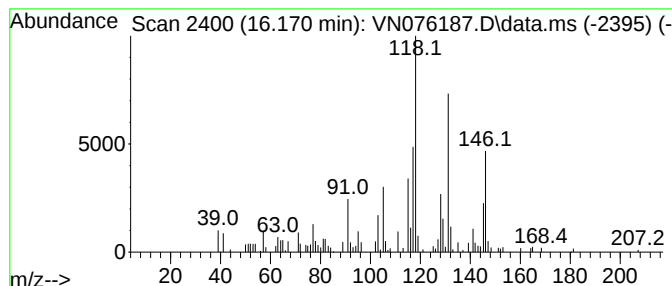
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 10

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 16.170 | 5.80 ug/l | 157377 | 1,4-Dichlorobenzene-d4 | 13.794 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001680-51-9 | 95   |
| 2    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 002809-64-5 | 89   |
| 3    |    |   | Benzene, (1-ethyl-2-propenyl)-      | 146 | C11H14  | 019947-22-9 | 87   |
| 4    |    |   | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14  | 004489-84-3 | 45   |
| 5    |    |   | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14  | 000769-25-5 | 45   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011023\  
Data File : VN076187.D  
Acq On : 10 Jan 2023 17:12  
Operator : JC\MD  
Sample : 01061-01  
Misc : 5.06gr/10mL/100uL/5.0mL/MSVOA\_N/MeOH  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SLUDGE-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Decane             | 13.159 | 12.8    | ug/l  | 348289   | 4                     | 13.794 | 1356310 | 50.0 |
| D-Limonene         | 13.706 | 60.1    | ug/l  | 1630710  | 4                     | 13.794 | 1356310 | 50.0 |
| Undecane           | 14.106 | 15.3    | ug/l  | 414720   | 4                     | 13.794 | 1356310 | 50.0 |
| Cyclohexene, 1-... | 14.241 | 6.1     | ug/l  | 164286   | 4                     | 13.794 | 1356310 | 50.0 |
| Cycloheptane       | 14.776 | 8.0     | ug/l  | 217616   | 4                     | 13.794 | 1356310 | 50.0 |
| Dodecane           | 14.959 | 13.5    | ug/l  | 366441   | 4                     | 13.794 | 1356310 | 50.0 |
| Benzene, 1-ethe... | 15.053 | 7.2     | ug/l  | 193990   | 4                     | 13.794 | 1356310 | 50.0 |
| unknown15.323      | 15.323 | 8.6     | ug/l  | 232892   | 4                     | 13.794 | 1356310 | 50.0 |
| Tridecane          | 15.835 | 12.6    | ug/l  | 341781   | 4                     | 13.794 | 1356310 | 50.0 |
| Naphthalene, 1,... | 16.170 | 5.8     | ug/l  | 157377   | 4                     | 13.794 | 1356310 | 50.0 |