

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081221\  
 Data File : VY005615.D  
 Acq On : 12 Aug 2021 12:23  
 Operator : SY/MD  
 Sample : M3318-03  
 Misc : 5.01G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 20210586-COM-9

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\_Y\methods\82Y080221S.M  
 Title : SW846 8260

Signal : TIC: VY005615.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         | 1.863       | 3             | 7           | 19           | rVB2     | 21077          | 38211         | 2.23%           | 0.223%        |
| 2         | 2.229       | 62            | 67          | 70           | rBV      | 12156          | 22518         | 1.32%           | 0.131%        |
| 3         | 3.954       | 341           | 350         | 356          | rBV2     | 18039          | 50066         | 2.93%           | 0.292%        |
| 4         | 4.039       | 356           | 364         | 382          | rVV      | 93090          | 260360        | 15.21%          | 1.520%        |
| 5         | 4.204       | 382           | 391         | 400          | rVB      | 7171           | 19460         | 1.14%           | 0.114%        |
| 6         | 4.728       | 464           | 477         | 496          | rBV2     | 45507          | 149009        | 8.71%           | 0.870%        |
| 7         | 5.759       | 636           | 646         | 658          | rVB2     | 14499          | 44960         | 2.63%           | 0.262%        |
| 8         | 7.728       | 957           | 969         | 974          | rBV      | 191742         | 457977        | 26.76%          | 2.674%        |
| 9         | 7.795       | 974           | 980         | 989          | rVV      | 321631         | 724010        | 42.31%          | 4.227%        |
| 10        | 8.149       | 1028          | 1038        | 1050         | rVV      | 204092         | 454923        | 26.58%          | 2.656%        |
| 11        | 8.697       | 1118          | 1128        | 1139         | rBV      | 516839         | 1010982       | 59.08%          | 5.902%        |
| 12        | 9.191       | 1197          | 1209        | 1214         | rBV5     | 10329          | 28172         | 1.65%           | 0.164%        |
| 13        | 9.612       | 1273          | 1278        | 1284         | rBV5     | 9420           | 19744         | 1.15%           | 0.115%        |
| 14        | 9.752       | 1295          | 1301        | 1306         | rBV2     | 16036          | 33670         | 1.97%           | 0.197%        |
| 15        | 10.185      | 1365          | 1372        | 1386         | rBV      | 900827         | 1559576       | 91.14%          | 9.105%        |
| 16        | 10.526      | 1424          | 1428        | 1434         | rVB3     | 11570          | 20520         | 1.20%           | 0.120%        |
| 17        | 10.807      | 1468          | 1474        | 1480         | rBV2     | 20203          | 36501         | 2.13%           | 0.213%        |
| 18        | 10.904      | 1485          | 1490        | 1497         | rVV2     | 14897          | 32585         | 1.90%           | 0.190%        |
| 19        | 10.977      | 1497          | 1502        | 1508         | rVV4     | 15479          | 27232         | 1.59%           | 0.159%        |
| 20        | 11.038      | 1508          | 1512        | 1517         | rVV      | 17198          | 28561         | 1.67%           | 0.167%        |
| 21        | 11.093      | 1517          | 1521        | 1526         | rVB2     | 38808          | 64995         | 3.80%           | 0.379%        |
| 22        | 11.209      | 1535          | 1540        | 1543         | rVV2     | 24269          | 41225         | 2.41%           | 0.241%        |
| 23        | 11.252      | 1543          | 1547        | 1550         | rVV3     | 18995          | 33059         | 1.93%           | 0.193%        |
| 24        | 11.294      | 1550          | 1554        | 1563         | rVB      | 36069          | 79763         | 4.66%           | 0.466%        |
| 25        | 11.374      | 1564          | 1567        | 1572         | rVV      | 12691          | 17930         | 1.05%           | 0.105%        |
| 26        | 11.495      | 1579          | 1587        | 1595         | rBV      | 831136         | 1413149       | 82.58%          | 8.250%        |
| 27        | 11.563      | 1595          | 1598        | 1604         | rVB      | 21711          | 33604         | 1.96%           | 0.196%        |
| 28        | 11.630      | 1605          | 1609        | 1612         | rBV      | 20165          | 30951         | 1.81%           | 0.181%        |
| 29        | 11.684      | 1612          | 1618        | 1622         | rBV4     | 34979          | 73259         | 4.28%           | 0.428%        |
| 30        | 11.739      | 1622          | 1627        | 1631         | rVV2     | 86950          | 149806        | 8.75%           | 0.875%        |
| 31        | 11.782      | 1631          | 1634        | 1640         | rVB2     | 45532          | 72008         | 4.21%           | 0.420%        |
| 32        | 11.843      | 1640          | 1644        | 1646         | rBV3     | 22279          | 34450         | 2.01%           | 0.201%        |
| 33        | 11.941      | 1656          | 1660        | 1663         | rBV2     | 43494          | 64788         | 3.79%           | 0.378%        |
| 34        | 12.001      | 1663          | 1670        | 1678         | rBV6     | 90133          | 248874        | 14.54%          | 1.453%        |
| 35        | 12.123      | 1682          | 1690        | 1694         | rVV      | 146764         | 254864        | 14.89%          | 1.488%        |
| 36        | 12.203      | 1694          | 1703        | 1705         | rBV5     | 110968         | 234910        | 13.73%          | 1.371%        |

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 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 20210586-COM-9

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\_Y\methods\82Y080221S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |         |         |        |
|----|--------|------|------|------|------|--------|---------|---------|--------|
| 37 | 12.233 | 1705 | 1708 | 1714 | rVB3 | 186883 | 339247  | 19.82%  | 1.981% |
| 38 | 12.325 | 1720 | 1723 | 1725 | rBV3 | 28126  | 34264   | 2.00%   | 0.200% |
| 39 | 12.373 | 1726 | 1731 | 1738 | rVB5 | 113004 | 255101  | 14.91%  | 1.489% |
| 40 | 12.483 | 1741 | 1749 | 1756 | rVB3 | 882140 | 1711266 | 100.00% | 9.991% |
| 41 | 12.575 | 1756 | 1764 | 1768 | rBV4 | 94212  | 253739  | 14.83%  | 1.481% |
| 42 | 12.642 | 1768 | 1775 | 1782 | rVB6 | 201123 | 571434  | 33.39%  | 3.336% |
| 43 | 12.733 | 1782 | 1790 | 1795 | rBV6 | 111633 | 312495  | 18.26%  | 1.824% |
| 44 | 12.812 | 1795 | 1803 | 1806 | rBV5 | 204609 | 526117  | 30.74%  | 3.072% |
| 45 | 12.953 | 1818 | 1826 | 1829 | rBV8 | 117257 | 255309  | 14.92%  | 1.491% |
| 46 | 12.995 | 1830 | 1833 | 1838 | rVV3 | 86021  | 187392  | 10.95%  | 1.094% |
| 47 | 13.068 | 1842 | 1845 | 1851 | rVB2 | 163043 | 248966  | 14.55%  | 1.454% |
| 48 | 13.172 | 1858 | 1862 | 1867 | rBV2 | 120368 | 217048  | 12.68%  | 1.267% |
| 49 | 13.288 | 1877 | 1881 | 1884 | rBV  | 223838 | 320103  | 18.71%  | 1.869% |
| 50 | 13.318 | 1884 | 1886 | 1890 | rVB2 | 125468 | 146471  | 8.56%   | 0.855% |
| 51 | 13.428 | 1898 | 1904 | 1909 | rBV  | 867423 | 1380986 | 80.70%  | 8.062% |
| 52 | 13.477 | 1909 | 1912 | 1922 | rVB  | 210779 | 419266  | 24.50%  | 2.448% |
| 53 | 13.568 | 1923 | 1927 | 1931 | rVB5 | 60604  | 87760   | 5.13%   | 0.512% |
| 54 | 13.611 | 1931 | 1934 | 1936 | rBV4 | 35718  | 44224   | 2.58%   | 0.258% |
| 55 | 13.648 | 1936 | 1940 | 1949 | rVB5 | 58428  | 97627   | 5.70%   | 0.570% |
| 56 | 13.745 | 1952 | 1956 | 1961 | rBV4 | 163021 | 285292  | 16.67%  | 1.666% |
| 57 | 13.934 | 1982 | 1987 | 1990 | rBV4 | 52502  | 120981  | 7.07%   | 0.706% |
| 58 | 14.007 | 1996 | 1999 | 2006 | rVB3 | 121563 | 197874  | 11.56%  | 1.155% |
| 59 | 14.074 | 2007 | 2010 | 2014 | rVB4 | 44576  | 60651   | 3.54%   | 0.354% |
| 60 | 14.141 | 2016 | 2021 | 2027 | rVB7 | 58704  | 127579  | 7.46%   | 0.745% |
| 61 | 14.196 | 2028 | 2030 | 2035 | rVB5 | 33213  | 45730   | 2.67%   | 0.267% |
| 62 | 14.257 | 2035 | 2040 | 2056 | rBV7 | 115760 | 327420  | 19.13%  | 1.912% |
| 63 | 14.391 | 2057 | 2062 | 2064 | rBV4 | 42551  | 74087   | 4.33%   | 0.433% |
| 64 | 14.422 | 2064 | 2067 | 2071 | rVB4 | 74359  | 102904  | 6.01%   | 0.601% |
| 65 | 14.617 | 2097 | 2099 | 2102 | rBV4 | 16201  | 20288   | 1.19%   | 0.118% |
| 66 | 14.733 | 2115 | 2118 | 2124 | rVB3 | 62700  | 113923  | 6.66%   | 0.665% |
| 67 | 14.855 | 2134 | 2138 | 2140 | rBV5 | 20208  | 32415   | 1.89%   | 0.189% |
| 68 | 15.214 | 2193 | 2197 | 2203 | rBV  | 78559  | 127342  | 7.44%   | 0.743% |
| 69 | 15.604 | 2258 | 2261 | 2267 | rVB6 | 37808  | 62966   | 3.68%   | 0.368% |
| 70 | 16.159 | 2347 | 2352 | 2357 | rVB  | 68029  | 113518  | 6.63%   | 0.663% |
| 71 | 16.476 | 2400 | 2404 | 2409 | rBV6 | 24655  | 40236   | 2.35%   | 0.235% |

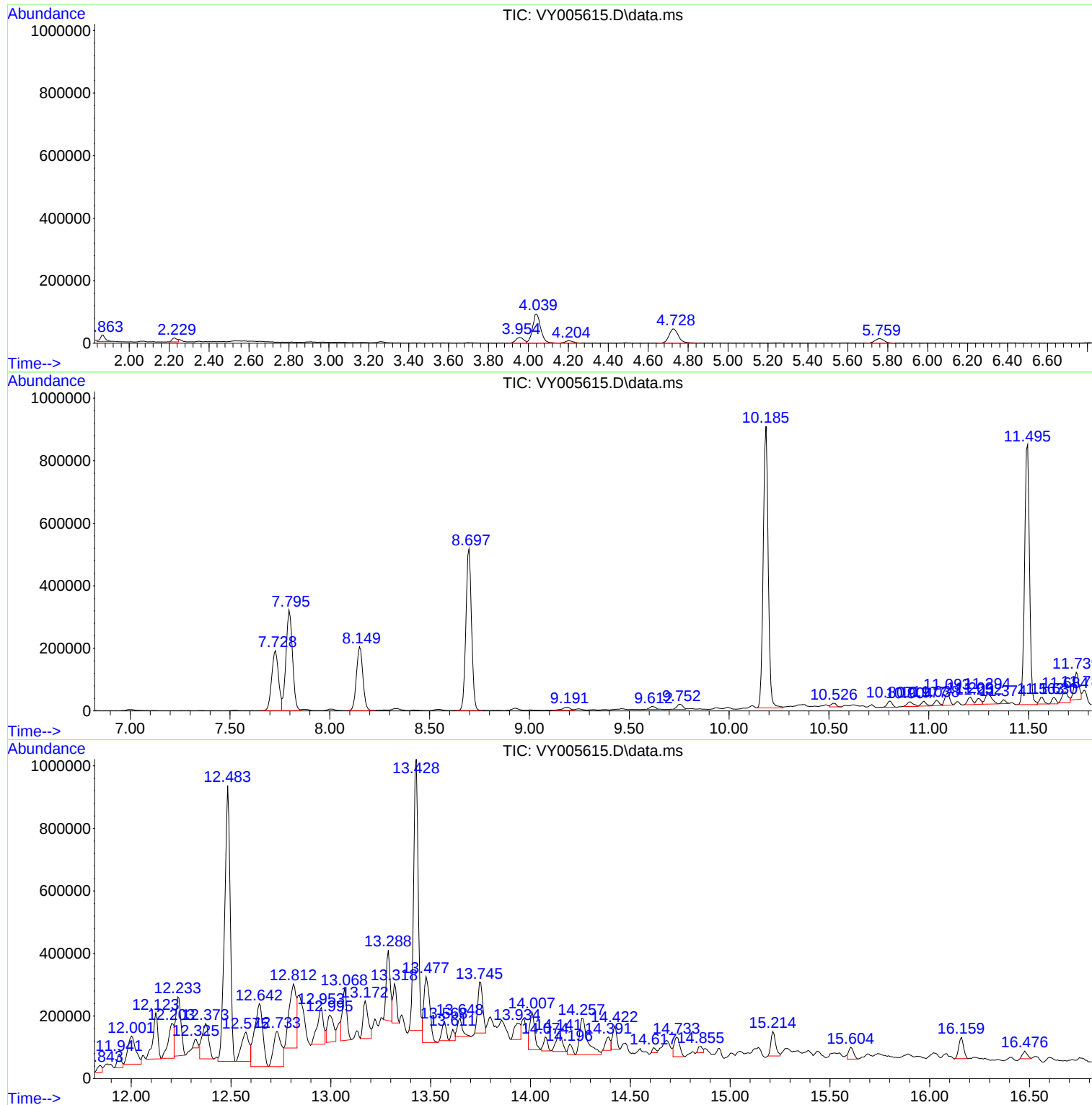
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Sample : M3318-03  
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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210586-COM-9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
Quant Title : SW846 8260

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



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Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210586-COM-9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
Quant Title : SW846 8260

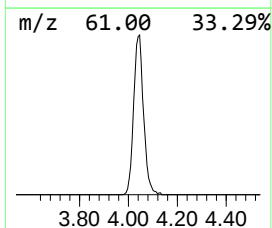
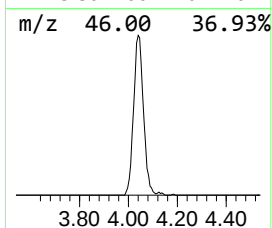
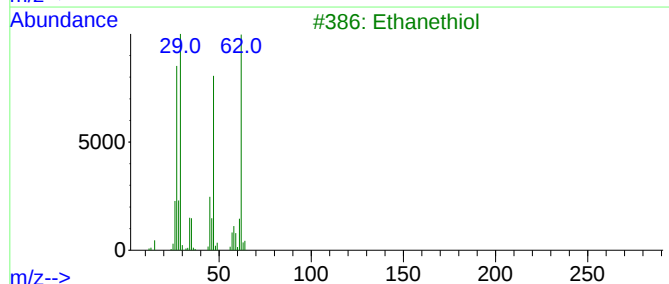
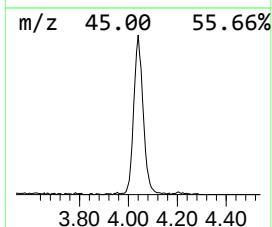
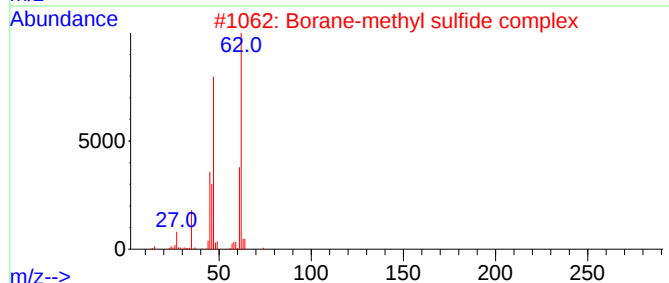
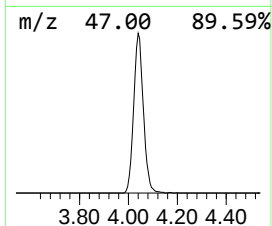
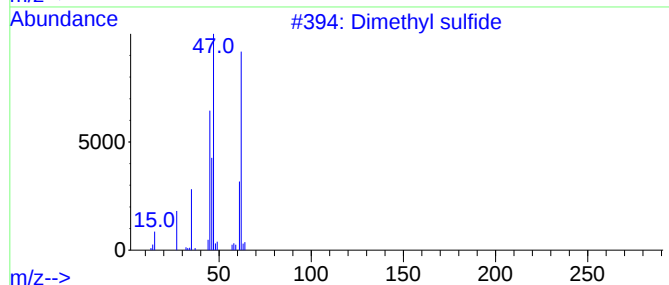
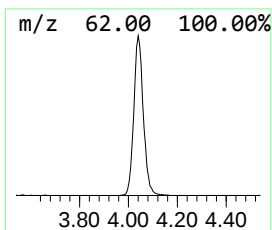
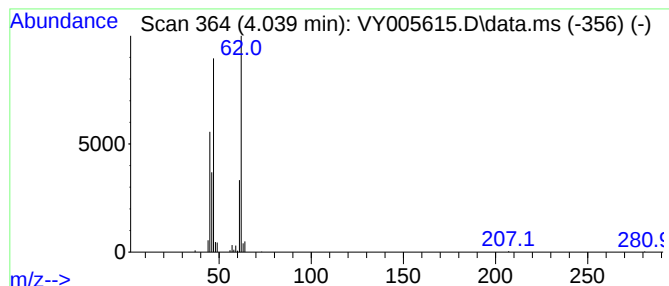
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Dimethyl sulfide Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 4.039 | 17.98 ug/l | 260360 | Pentafluorobenzene | 7.795 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Dimethyl sulfide                    | 62  | C2H6S   | 000075-18-3 | 94   |
| 2    |    |   | Borane-methyl sulfide complex       | 76  | C2H9BS  | 013292-87-0 | 90   |
| 3    |    |   | Ethanethiol                         | 62  | C2H6S   | 000075-08-1 | 78   |
| 4    |    |   | Acetic acid, mercapto-, methyl e... | 106 | C3H6O2S | 002365-48-2 | 14   |
| 5    |    |   | Acetic acid, mercapto-              | 92  | C2H4O2S | 000068-11-1 | 10   |



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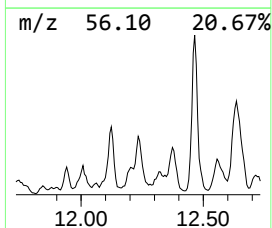
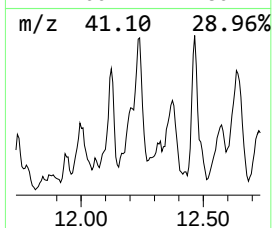
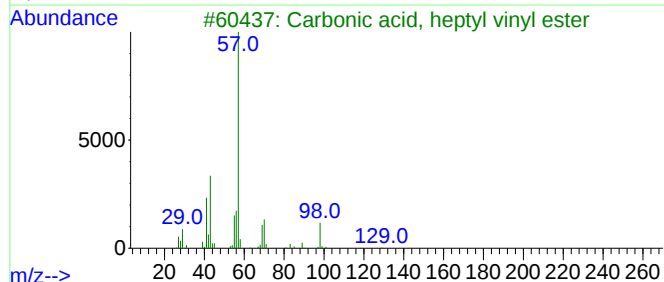
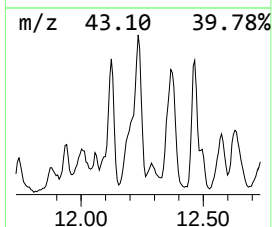
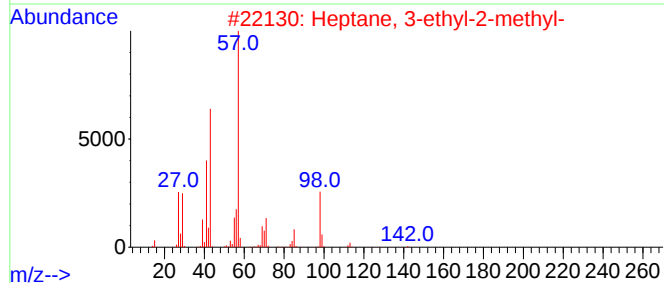
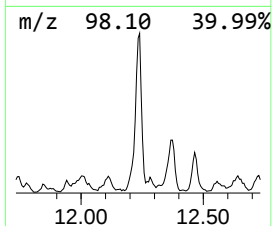
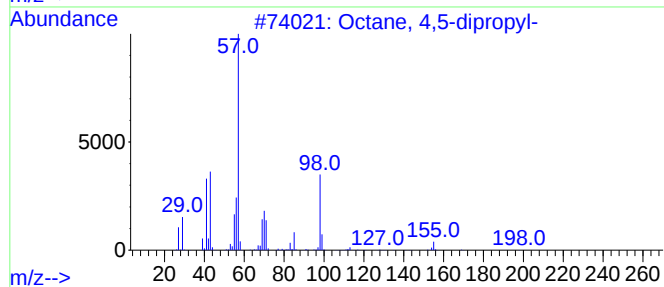
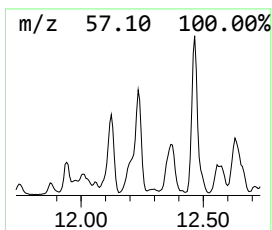
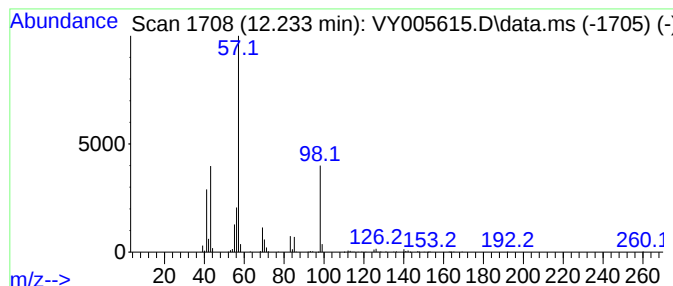
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
Quant Title : SW846 8260

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

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Peak Number 2 Octane, 4,5-dipropyl- Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 12.233 | 12.00 ug/l | 339247 | Chlorobenzene-d5 | 11.496 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|----|---|------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Octane, 4,5-dipropyl-              | 198 | C14H30   | 020905-05-9  | 56   |
| 2    |    |   | Heptane, 3-ethyl-2-methyl-         | 142 | C10H22   | 014676-29-0  | 50   |
| 3    |    |   | Carbonic acid, heptyl vinyl ester  | 186 | C10H18O3 | 1010383-25-4 | 43   |
| 4    |    |   | 4-Octylcyclohexanone               | 210 | C14H26O  | 1000428-94-1 | 42   |
| 5    |    |   | Oxalic acid, isobutyl heptyl ester | 244 | C13H24O4 | 1000309-37-2 | 38   |



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ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
Quant Title : SW846 8260

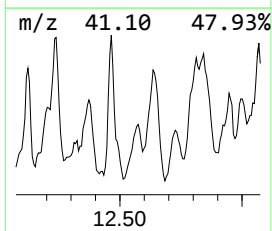
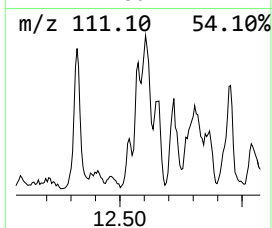
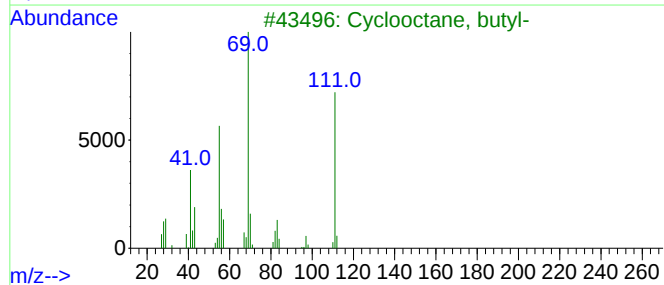
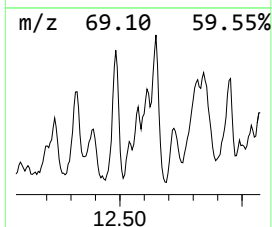
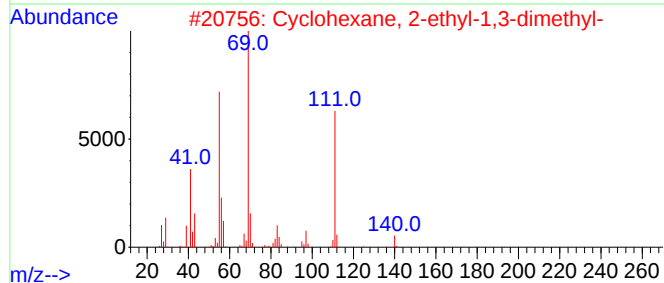
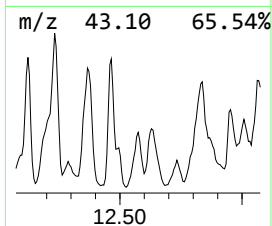
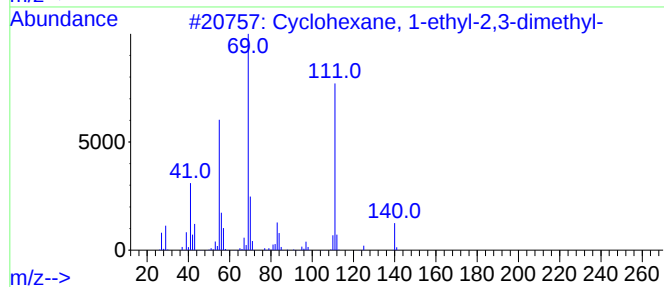
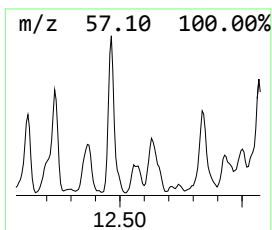
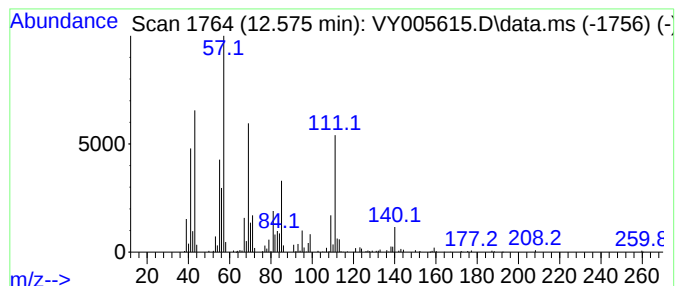
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown12.575 Concentration Rank 10

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.575 | 9.19 ug/l | 253739 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1-ethyl-2,3-dimethyl- | 140 | C10H20  | 007058-05-1 | 46   |
| 2    |    |   | Cyclohexane, 2-ethyl-1,3-dimethyl- | 140 | C10H20  | 007045-67-2 | 43   |
| 3    |    |   | Cyclooctane, butyl-                | 168 | C12H24  | 016538-93-5 | 35   |
| 4    |    |   | Hexane, 2,4-dimethyl-              | 114 | C8H18   | 000589-43-5 | 30   |
| 5    |    |   | Benzenamine, 3-fluoro-             | 111 | C6H6FN  | 000372-19-0 | 30   |



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Operator : SY/MD  
Sample : M3318-03  
Misc : 5.01G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210586-COM-9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
Quant Title : SW846 8260

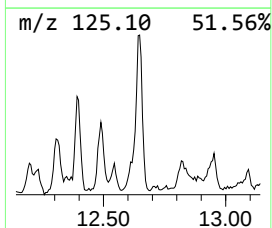
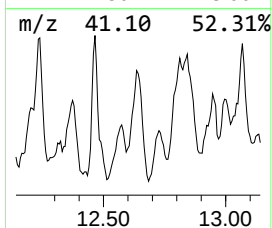
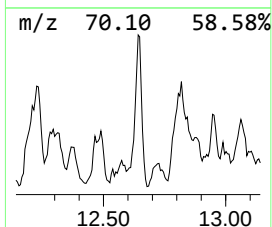
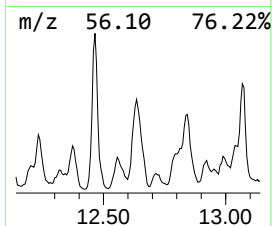
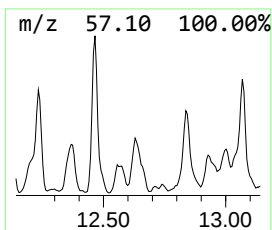
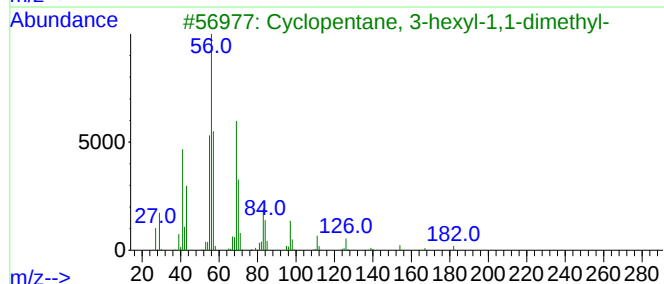
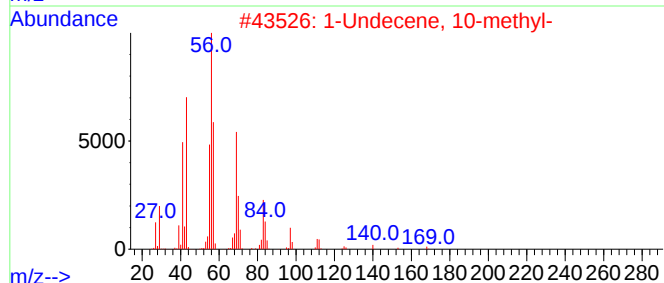
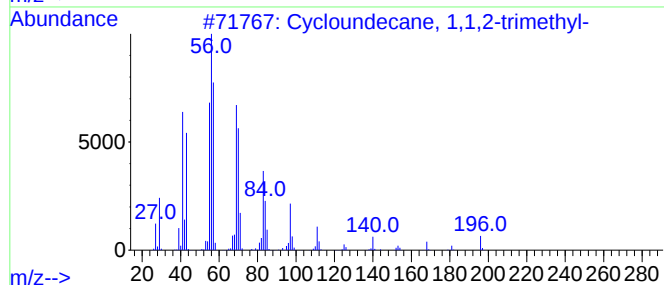
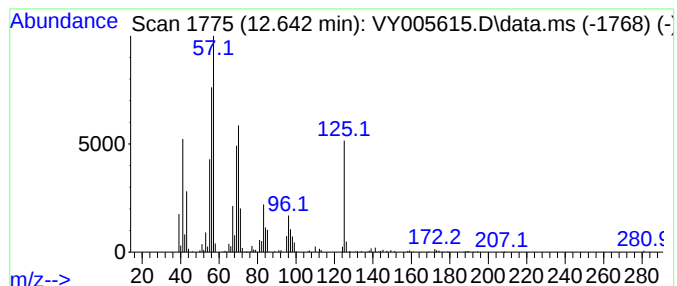
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown12.642 Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.642 | 20.69 ug/l | 571434 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cycloundecane, 1,1,2-trimethyl-     | 196 | C14H28  | 062376-15-2 | 47   |
| 2    |    |   | 1-Undecene, 10-methyl-              | 168 | C12H24  | 022370-55-4 | 43   |
| 3    |    |   | Cyclopentane, 3-hexyl-1,1-dimethyl- | 182 | C13H26  | 061142-65-2 | 43   |
| 4    |    |   | 1-Decene, 9-methyl-                 | 154 | C11H22  | 061142-78-7 | 38   |
| 5    |    |   | 4-Undecene, 2-methyl-, (E)-         | 168 | C12H24  | 028665-57-8 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081221\  
Data File : VY005615.D  
Acq On : 12 Aug 2021 12:23  
Operator : SY/MD  
Sample : M3318-03  
Misc : 5.01G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210586-COM-9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
Quant Title : SW846 8260

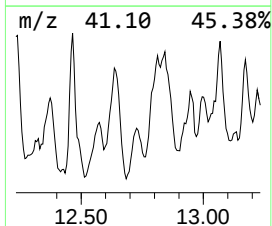
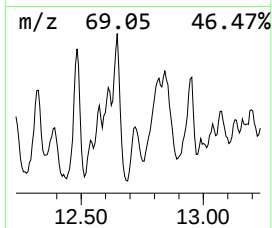
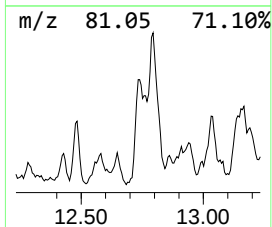
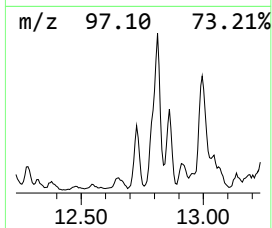
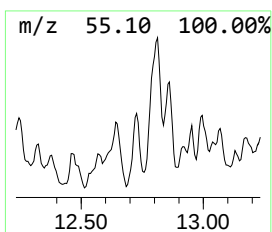
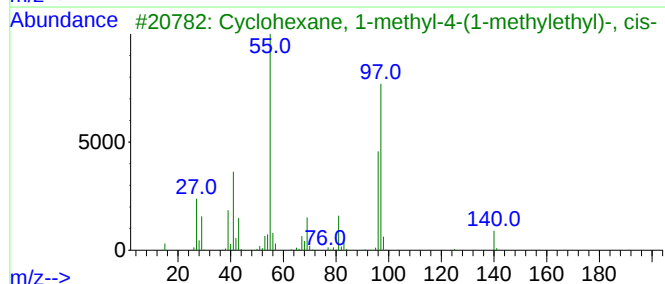
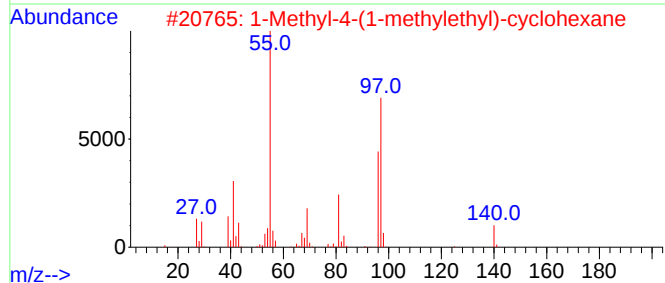
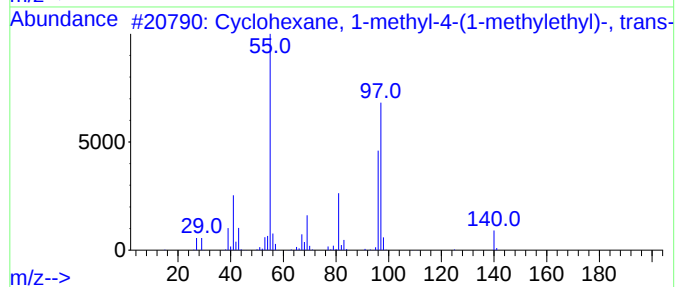
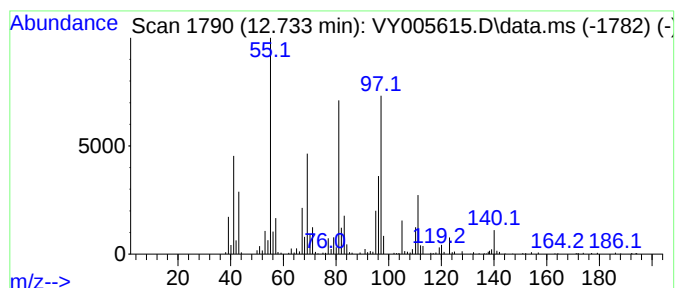
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.733 | 11.31 ug/l | 312495 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1-methyl-4-(1-methy... | 140 | C10H20  | 001678-82-6 | 52   |
| 2    |    |   | 1-Methyl-4-(1-methylethyl)-cyclo... | 140 | C10H20  | 000099-82-1 | 52   |
| 3    |    |   | Cyclohexane, 1-methyl-4-(1-methy... | 140 | C10H20  | 006069-98-3 | 52   |
| 4    |    |   | m-Menthane, (1S,3S)-(+)-            | 140 | C10H20  | 013837-67-7 | 52   |
| 5    |    |   | 2-Pentene, 2,3,4-trimethyl-         | 112 | C8H16   | 000565-77-5 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081221\  
Data File : VY005615.D  
Acq On : 12 Aug 2021 12:23  
Operator : SY/MD  
Sample : M3318-03  
Misc : 5.01G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210586-COM-9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
Quant Title : SW846 8260

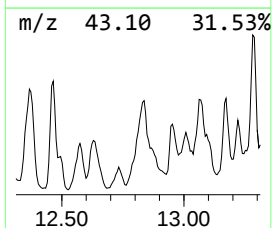
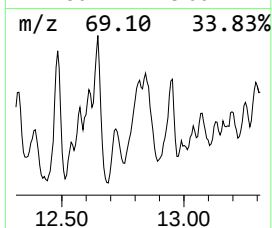
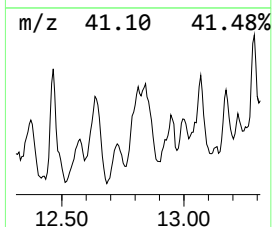
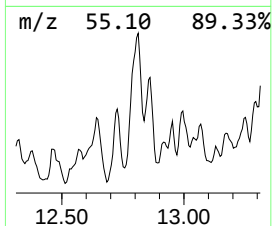
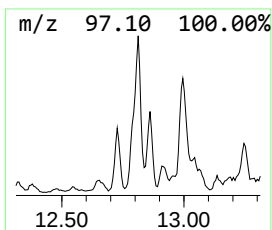
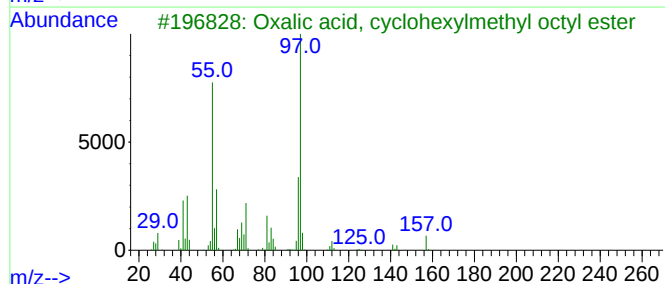
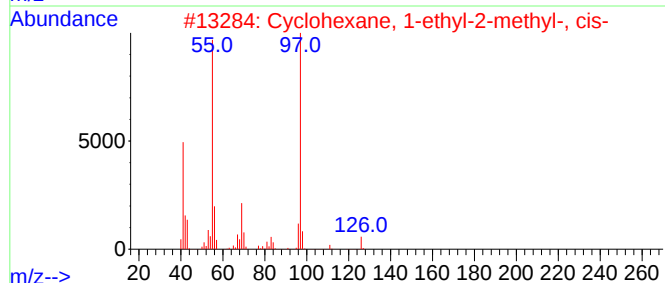
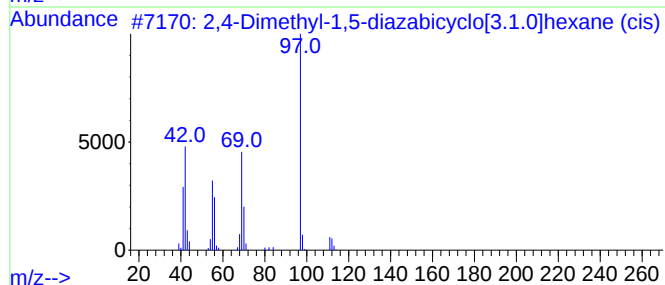
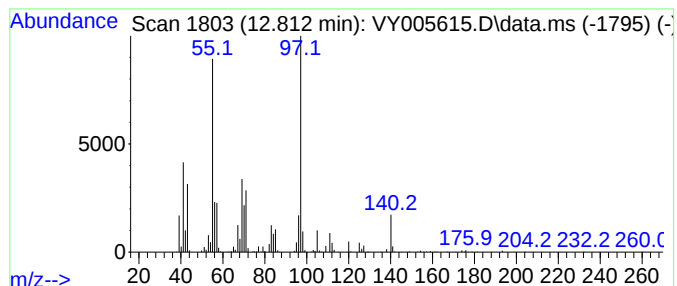
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 2,4-Dimethyl-1,5-diazabicyc... Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.812 | 19.05 ug/l | 526117 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | 2,4-Dimethyl-1,5-diazabicyclo[3...] | 112 | C6H12N2  | 100463-01-2  | 58   |
| 2    |    |   | Cyclohexane, 1-ethyl-2-methyl-, ... | 126 | C9H18    | 004923-77-7  | 58   |
| 3    |    |   | Oxalic acid, cyclohexylmethyl oc... | 298 | C17H30O4 | 1000309-68-4 | 53   |
| 4    |    |   | Cyclohexane, 1,1-dimethyl-          | 112 | C8H16    | 000590-66-9  | 49   |
| 5    |    |   | Cyclohexane, 1-methyl-4-(1-methy... | 140 | C10H20   | 006069-98-3  | 49   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081221\  
Data File : VY005615.D  
Acq On : 12 Aug 2021 12:23  
Operator : SY/MD  
Sample : M3318-03  
Misc : 5.01G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210586-COM-9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
Quant Title : SW846 8260

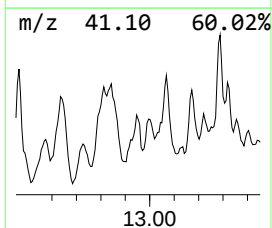
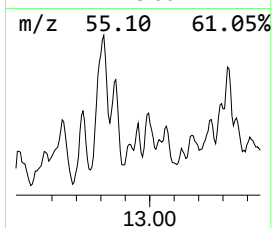
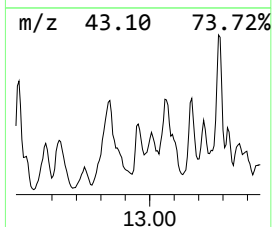
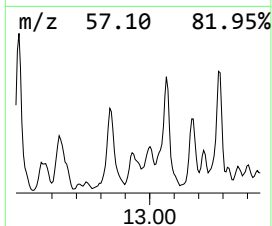
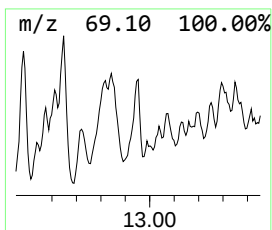
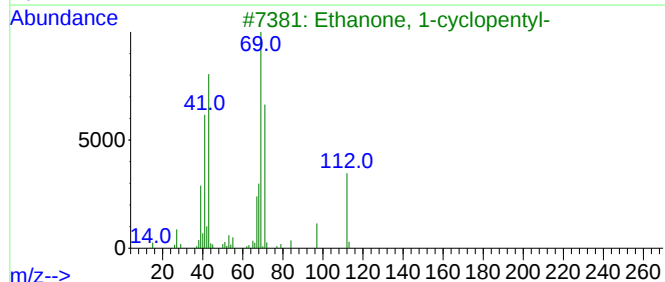
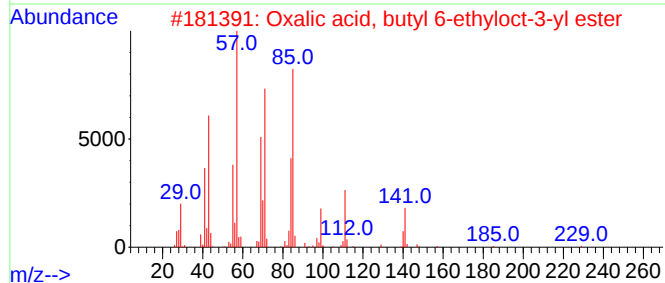
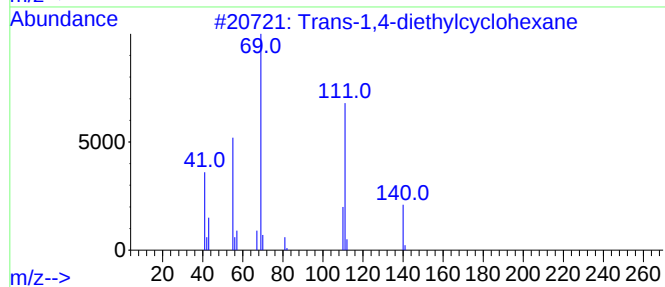
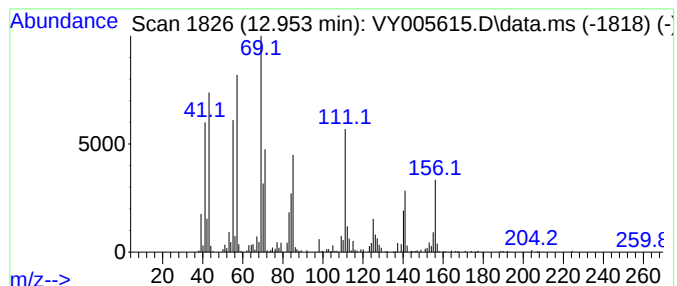
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 unknown12.953 Concentration Rank 9

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.953 | 9.24 ug/l | 255309 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Trans-1,4-diethylcyclohexane        | 140 | C10H20   | 013990-93-7  | 35   |
| 2    |    |   | Oxalic acid, butyl 6-ethyloct-3-... | 286 | C16H30O4 | 1000309-34-2 | 27   |
| 3    |    |   | Ethanone, 1-cyclopentyl-            | 112 | C7H12O   | 006004-60-0  | 27   |
| 4    |    |   | Cyclohexane, 1,2,4-trimethyl-       | 126 | C9H18    | 002234-75-5  | 27   |
| 5    |    |   | 3-Penten-2-one                      | 84  | C5H8O    | 000625-33-2  | 25   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081221\  
Data File : VY005615.D  
Acq On : 12 Aug 2021 12:23  
Operator : SY/MD  
Sample : M3318-03  
Misc : 5.01G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210586-COM-9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
Quant Title : SW846 8260

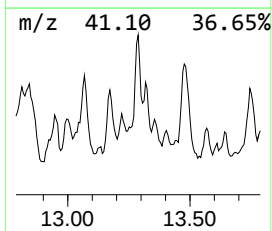
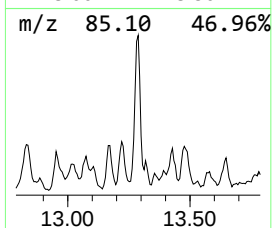
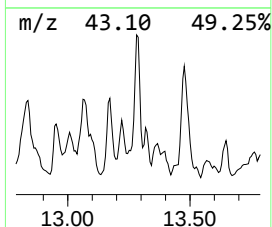
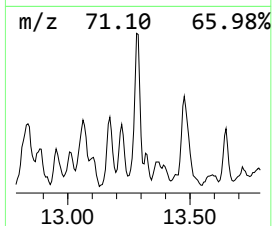
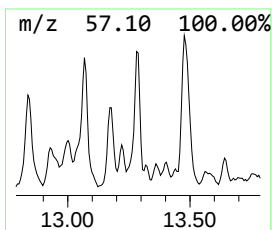
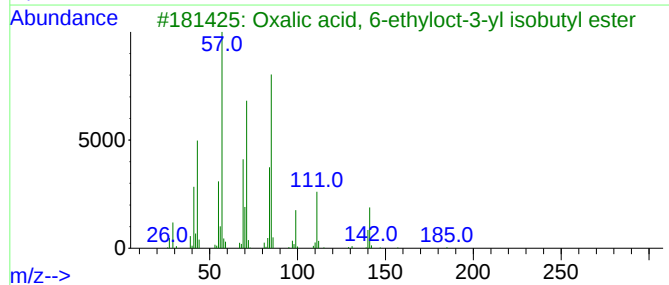
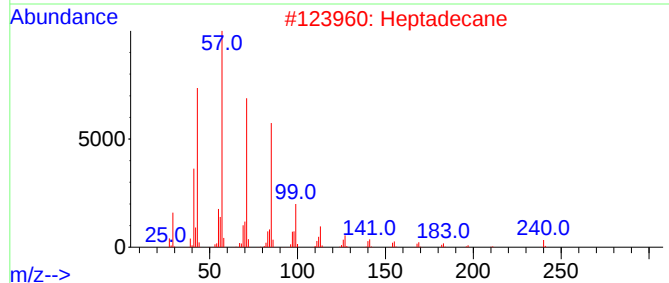
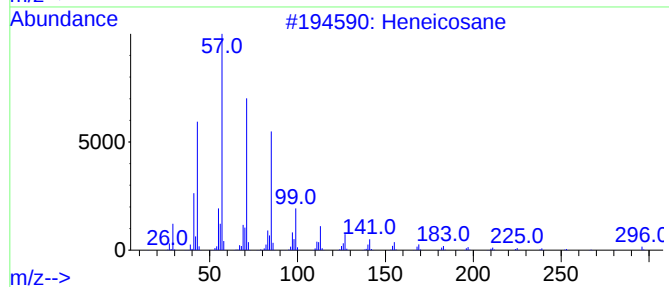
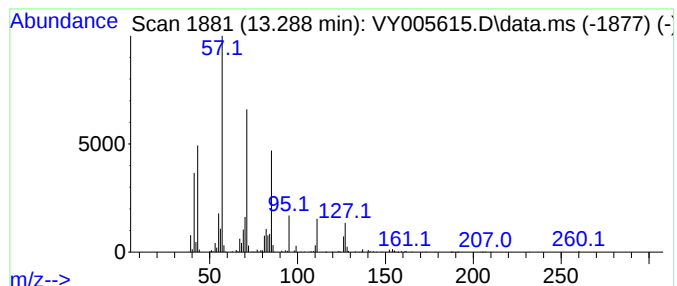
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Heneicosane Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.288 | 11.59 ug/l | 320103 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Heneicosane                         | 296 | C21H44      | 000629-94-7  | 59   |
| 2    |    |   | Heptadecane                         | 240 | C17H36      | 000629-78-7  | 59   |
| 3    |    |   | Oxalic acid, 6-ethyloct-3-yl iso... | 286 | C16H30O4    | 1010309-34-1 | 59   |
| 4    |    |   | Decane, 2,3,5-trimethyl-            | 184 | C13H28      | 062238-11-3  | 53   |
| 5    |    |   | Succinic acid, 2,3-dichloropheny... | 346 | C15H16Cl2O5 | 1000390-72-5 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081221\  
Data File : VY005615.D  
Acq On : 12 Aug 2021 12:23  
Operator : SY/MD  
Sample : M3318-03  
Misc : 5.01G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210586-COM-9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
Quant Title : SW846 8260

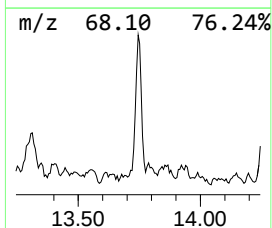
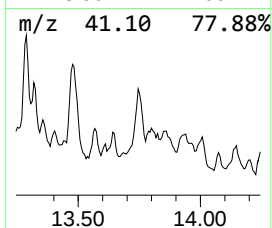
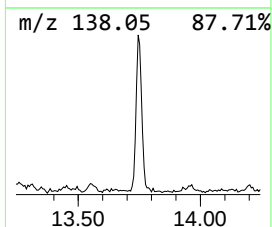
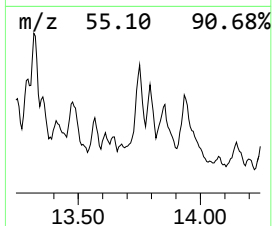
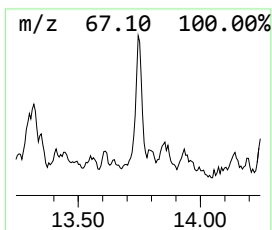
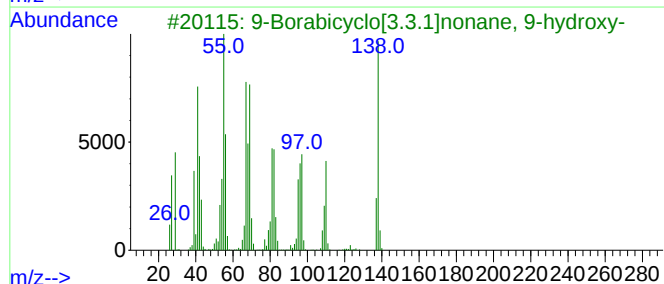
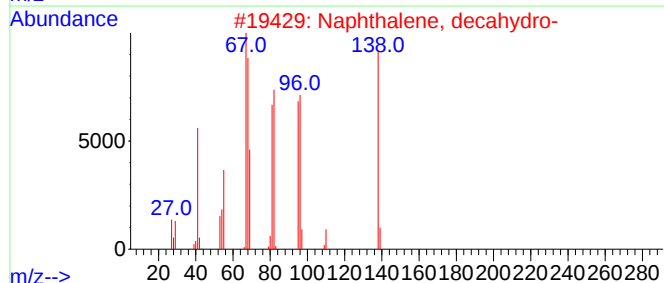
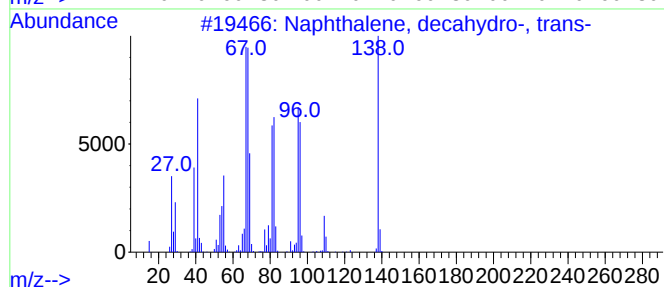
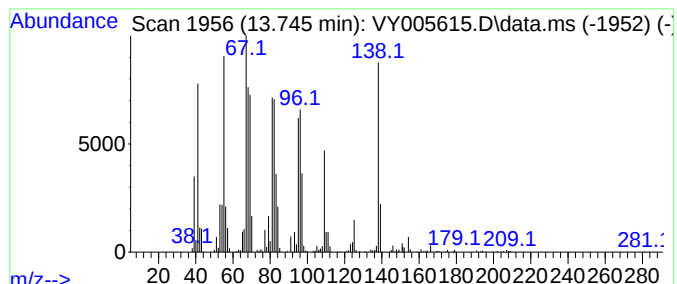
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Naphthalene, decahydro-, tr... Concentration Rank 8

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.745 | 10.33 ug/l | 285292 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Naphthalene, decahydro-, trans-     | 138 | C10H18   | 000493-02-7  | 95   |
| 2    |    |   | Naphthalene, decahydro-             | 138 | C10H18   | 000091-17-8  | 94   |
| 3    |    |   | 9-Borabicyclo[3.3.1]nonane, 9-hy... | 138 | C8H15BO  | 063366-65-4  | 74   |
| 4    |    |   | (Z)-Dec-4-en-1-yl propyl carbonate  | 242 | C14H26O3 | 1000372-82-7 | 64   |
| 5    |    |   | Spiro[4.5]decane                    | 138 | C10H18   | 000176-63-6  | 62   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081221\  
Data File : VY005615.D  
Acq On : 12 Aug 2021 12:23  
Operator : SY/MD  
Sample : M3318-03  
Misc : 5.01G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210586-COM-9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
Quant Title : SW846 8260

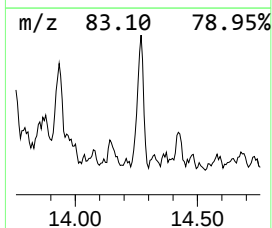
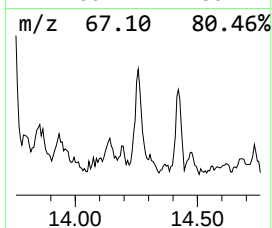
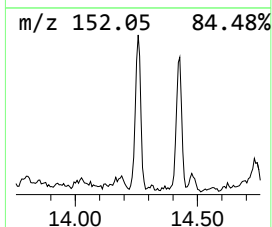
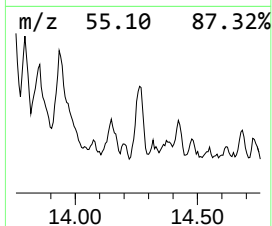
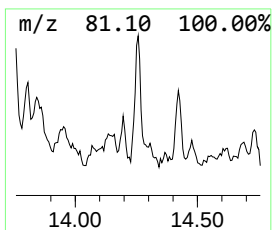
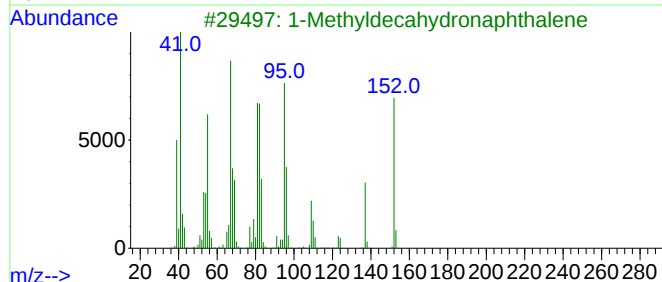
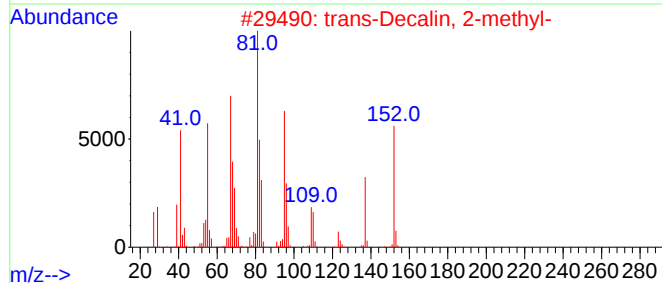
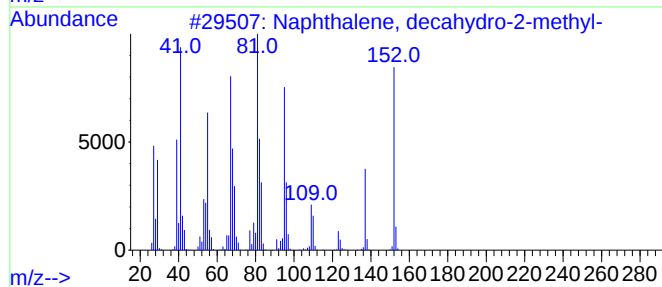
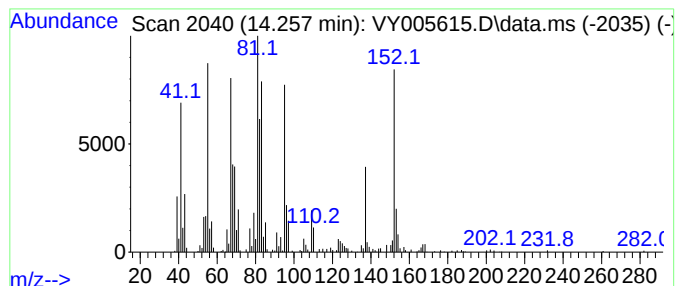
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Naphthalene, decahydro-2-me... Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.257 | 11.85 ug/l | 327420 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene, decahydro-2-methyl-    | 152 | C11H20  | 002958-76-1  | 95   |
| 2    |    |   | trans-Decalin, 2-methyl-            | 152 | C11H20  | 1000152-47-3 | 72   |
| 3    |    |   | 1-Methyldecahydronaphthalene        | 152 | C11H20  | 002958-75-0  | 58   |
| 4    |    |   | Cyclohexanone, 2-methyl-5-(1-met... | 152 | C10H16O | 005948-04-9  | 55   |
| 5    |    |   | Cyclohexanone, 5-methyl-2-(1-met... | 152 | C10H16O | 015932-80-6  | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081221\  
Data File : VY005615.D  
Acq On : 12 Aug 2021 12:23  
Operator : SY/MD  
Sample : M3318-03  
Misc : 5.01G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210586-COM-9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.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 |
| Dimethyl sulfide   | 4.039  | 18.0    | ug/l  | 260360   | 1                     | 7.795  | 724010  | 50.0 |
| Octane, 4,5-dip... | 12.233 | 12.0    | ug/l  | 339247   | 3                     | 11.496 | 1413150 | 50.0 |
| unknown12.575      | 12.575 | 9.2     | ug/l  | 253739   | 4                     | 13.428 | 1380990 | 50.0 |
| unknown12.642      | 12.642 | 20.7    | ug/l  | 571434   | 4                     | 13.428 | 1380990 | 50.0 |
| Cyclohexane, 1-... | 12.733 | 11.3    | ug/l  | 312495   | 4                     | 13.428 | 1380990 | 50.0 |
| 2,4-Dimethyl-1,... | 12.812 | 19.1    | ug/l  | 526117   | 4                     | 13.428 | 1380990 | 50.0 |
| unknown12.953      | 12.953 | 9.2     | ug/l  | 255309   | 4                     | 13.428 | 1380990 | 50.0 |
| Heneicosane        | 13.288 | 11.6    | ug/l  | 320103   | 4                     | 13.428 | 1380990 | 50.0 |
| Naphthalene, de... | 13.745 | 10.3    | ug/l  | 285292   | 4                     | 13.428 | 1380990 | 50.0 |
| Naphthalene, de... | 14.257 | 11.9    | ug/l  | 327420   | 4                     | 13.428 | 1380990 | 50.0 |