

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062623\  
 Data File : VY014428.D  
 Acq On : 26 Jun 2023 12:56  
 Operator : KP/MD  
 Sample : 03298-13  
 Misc : 10.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TOTAL-VOC-TP6-07-5N-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\_Y\methods\82Y062323S.M

Title : SW846 8260

Signal : TIC: VY014428.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           | 20           | rVB2     | 25718          | 42873         | 5.05%           | 0.598%        |
| 2         | 2.216       | 59            | 65          | 68           | rBV      | 14693          | 23765         | 2.80%           | 0.331%        |
| 3         | 2.540       | 110           | 118         | 127          | rBV9     | 3979           | 11570         | 1.36%           | 0.161%        |
| 4         | 2.692       | 135           | 143         | 150          | rBV      | 19809          | 38421         | 4.53%           | 0.536%        |
| 5         | 2.899       | 169           | 177         | 185          | rVB4     | 4060           | 9659          | 1.14%           | 0.135%        |
| 6         | 3.247       | 226           | 234         | 244          | rBV5     | 6187           | 14837         | 1.75%           | 0.207%        |
| 7         | 3.692       | 299           | 307         | 321          | rBV4     | 6577           | 18243         | 2.15%           | 0.254%        |
| 8         | 3.948       | 338           | 349         | 358          | rBV      | 67723          | 189240        | 22.31%          | 2.639%        |
| 9         | 4.033       | 358           | 363         | 371          | rVB4     | 10543          | 26829         | 3.16%           | 0.374%        |
| 10        | 4.192       | 379           | 389         | 404          | rBV4     | 11072          | 38909         | 4.59%           | 0.542%        |
| 11        | 6.990       | 838           | 848         | 863          | rBV2     | 20698          | 58330         | 6.88%           | 0.813%        |
| 12        | 7.356       | 898           | 908         | 915          | rBV6     | 4154           | 12625         | 1.49%           | 0.176%        |
| 13        | 7.715       | 958           | 967         | 973          | rBV2     | 113841         | 275093        | 32.43%          | 3.836%        |
| 14        | 7.789       | 973           | 979         | 989          | rVB      | 215008         | 482114        | 56.84%          | 6.722%        |
| 15        | 8.142       | 1028          | 1037        | 1048         | rBV      | 121784         | 278825        | 32.87%          | 3.888%        |
| 16        | 8.551       | 1096          | 1104        | 1111         | rBV3     | 4621           | 9730          | 1.15%           | 0.136%        |
| 17        | 8.691       | 1118          | 1127        | 1137         | rBV      | 286644         | 578192        | 68.17%          | 8.062%        |
| 18        | 8.923       | 1153          | 1165        | 1174         | rBV7     | 3503           | 9830          | 1.16%           | 0.137%        |
| 19        | 9.179       | 1203          | 1207        | 1215         | rVB3     | 7815           | 15068         | 1.78%           | 0.210%        |
| 20        | 9.746       | 1290          | 1300        | 1306         | rVV9     | 3409           | 9297          | 1.10%           | 0.130%        |
| 21        | 9.983       | 1333          | 1339        | 1346         | rVB4     | 6847           | 13941         | 1.64%           | 0.194%        |
| 22        | 10.178      | 1363          | 1371        | 1378         | rBV      | 450475         | 775956        | 91.49%          | 10.819%       |
| 23        | 10.239      | 1378          | 1381        | 1387         | rVB      | 12036          | 19268         | 2.27%           | 0.269%        |
| 24        | 11.087      | 1515          | 1520        | 1526         | rVB3     | 4848           | 9066          | 1.07%           | 0.126%        |
| 25        | 11.489      | 1579          | 1586        | 1597         | rBV      | 387163         | 626635        | 73.88%          | 8.737%        |
| 26        | 11.696      | 1612          | 1620        | 1624         | rBV5     | 9007           | 24593         | 2.90%           | 0.343%        |
| 27        | 12.026      | 1663          | 1674        | 1682         | rVB7     | 8972           | 27928         | 3.29%           | 0.389%        |
| 28        | 12.227      | 1695          | 1707        | 1714         | rBV5     | 12894          | 32115         | 3.79%           | 0.448%        |
| 29        | 12.330      | 1718          | 1724        | 1728         | rBV      | 81158          | 133820        | 15.78%          | 1.866%        |
| 30        | 12.385      | 1728          | 1733        | 1743         | rVV      | 68752          | 121615        | 14.34%          | 1.696%        |
| 31        | 12.477      | 1743          | 1748        | 1755         | rVV      | 274444         | 440089        | 51.89%          | 6.136%        |
| 32        | 12.580      | 1761          | 1765        | 1772         | rVB4     | 64112          | 112292        | 13.24%          | 1.566%        |
| 33        | 12.678      | 1777          | 1781        | 1785         | rBV3     | 12123          | 18192         | 2.14%           | 0.254%        |
| 34        | 12.745      | 1785          | 1792        | 1794         | rBV6     | 4718           | 8855          | 1.04%           | 0.123%        |
| 35        | 12.788      | 1794          | 1799        | 1811         | rVB3     | 107490         | 226542        | 26.71%          | 3.159%        |
| 36        | 12.910      | 1811          | 1819        | 1835         | rVB6     | 38836          | 114600        | 13.51%          | 1.598%        |

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 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TOTAL-VOC-TP6-07-5N-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\_Y\methods\82Y062323S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |         |         |
|----|--------|------|------|------|------|--------|--------|---------|---------|
| 37 | 13.044 | 1836 | 1841 | 1849 | rBV7 | 13148  | 36620  | 4.32%   | 0.511%  |
| 38 | 13.117 | 1849 | 1853 | 1861 | rVB5 | 15586  | 39238  | 4.63%   | 0.547%  |
| 39 | 13.245 | 1871 | 1874 | 1880 | rBV8 | 5245   | 9603   | 1.13%   | 0.134%  |
| 40 | 13.312 | 1880 | 1885 | 1890 | rBV  | 53288  | 80960  | 9.55%   | 1.129%  |
| 41 | 13.367 | 1890 | 1894 | 1897 | rBV  | 41534  | 51494  | 6.07%   | 0.718%  |
| 42 | 13.422 | 1897 | 1903 | 1914 | rVB  | 288924 | 474001 | 55.89%  | 6.609%  |
| 43 | 13.525 | 1914 | 1920 | 1932 | rBV4 | 21342  | 56170  | 6.62%   | 0.783%  |
| 44 | 13.623 | 1932 | 1936 | 1940 | rBV2 | 31881  | 55314  | 6.52%   | 0.771%  |
| 45 | 13.702 | 1945 | 1949 | 1954 | rVV  | 87749  | 126086 | 14.87%  | 1.758%  |
| 46 | 13.751 | 1954 | 1957 | 1962 | rVB7 | 7595   | 10996  | 1.30%   | 0.153%  |
| 47 | 13.970 | 1988 | 1993 | 1996 | rBV4 | 8590   | 15644  | 1.84%   | 0.218%  |
| 48 | 14.074 | 2006 | 2010 | 2015 | rVB2 | 13633  | 21352  | 2.52%   | 0.298%  |
| 49 | 14.196 | 2026 | 2030 | 2036 | rBV5 | 6049   | 15051  | 1.77%   | 0.210%  |
| 50 | 14.263 | 2036 | 2041 | 2042 | rVV4 | 9042   | 13330  | 1.57%   | 0.186%  |
| 51 | 14.306 | 2043 | 2048 | 2057 | rVB3 | 28929  | 76848  | 9.06%   | 1.071%  |
| 52 | 14.726 | 2101 | 2117 | 2129 | rBV  | 278274 | 848171 | 100.00% | 11.826% |
| 53 | 14.830 | 2129 | 2134 | 2138 | rBV8 | 6075   | 12085  | 1.42%   | 0.168%  |
| 54 | 14.940 | 2147 | 2152 | 2161 | rVB3 | 28090  | 54552  | 6.43%   | 0.761%  |
| 55 | 15.104 | 2174 | 2179 | 2191 | rVB4 | 17880  | 57422  | 6.77%   | 0.801%  |
| 56 | 15.232 | 2195 | 2200 | 2206 | rBV  | 40704  | 70045  | 8.26%   | 0.977%  |
| 57 | 15.421 | 2220 | 2231 | 2243 | rVB4 | 23312  | 94286  | 11.12%  | 1.315%  |
| 58 | 16.226 | 2356 | 2363 | 2369 | rBV9 | 4185   | 11785  | 1.39%   | 0.164%  |
| 59 | 16.293 | 2369 | 2374 | 2384 | rVB2 | 18142  | 37667  | 4.44%   | 0.525%  |
| 60 | 16.488 | 2399 | 2406 | 2413 | rBV  | 26423  | 54575  | 6.43%   | 0.761%  |

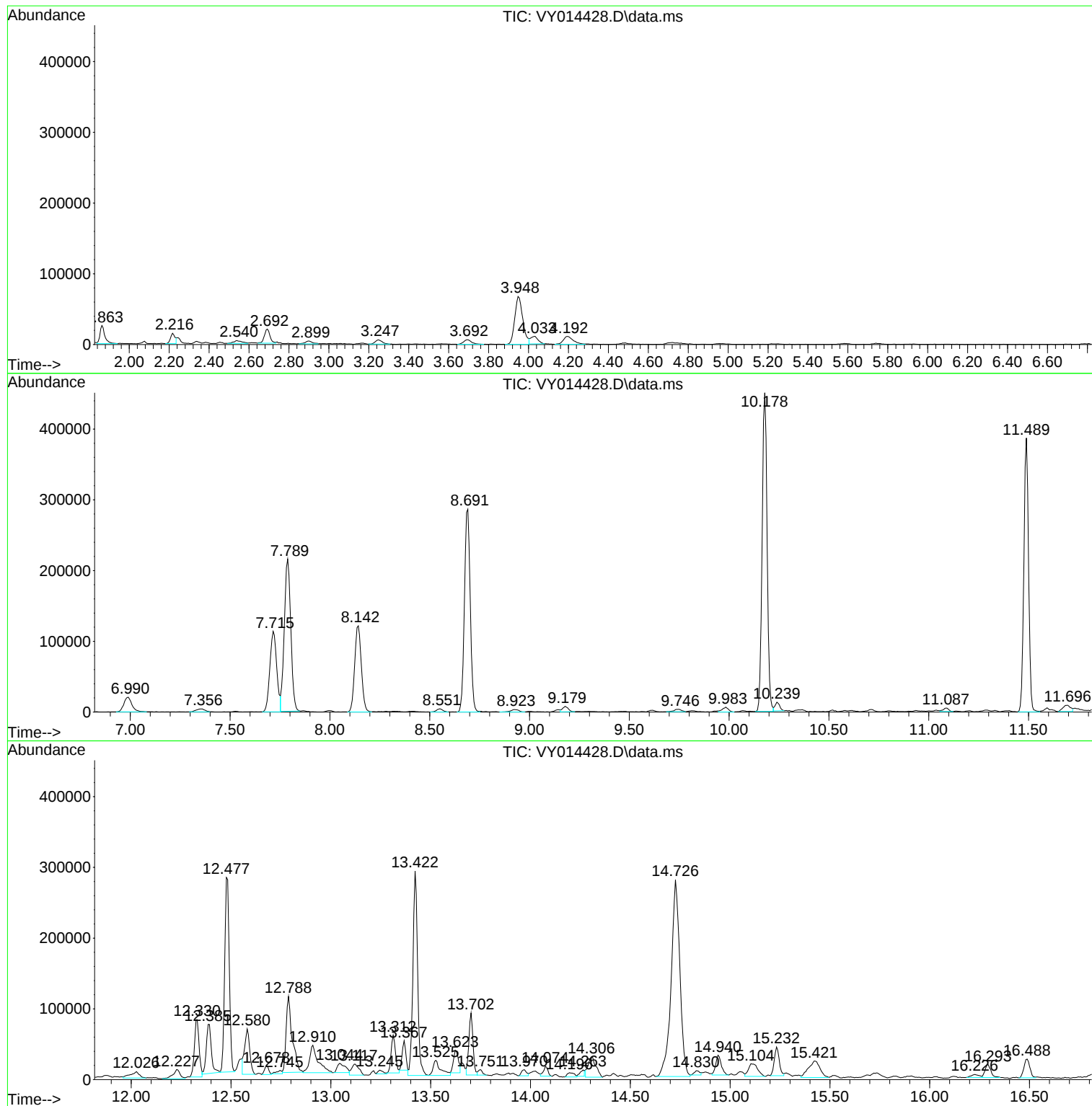
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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TOTAL-VOC-TP6-07-5N-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062323S.M  
Quant Title : SW846 8260

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



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Operator : KP/MD  
Sample : 03298-13  
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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TOTAL-VOC-TP6-07-5N-4

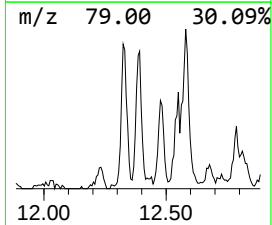
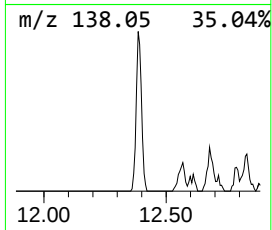
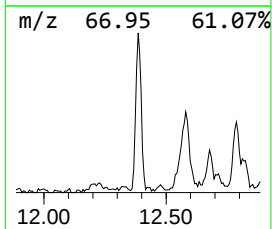
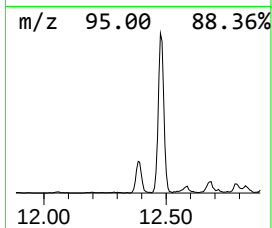
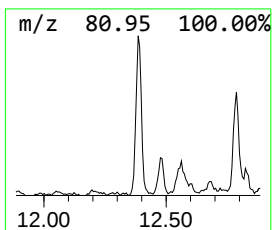
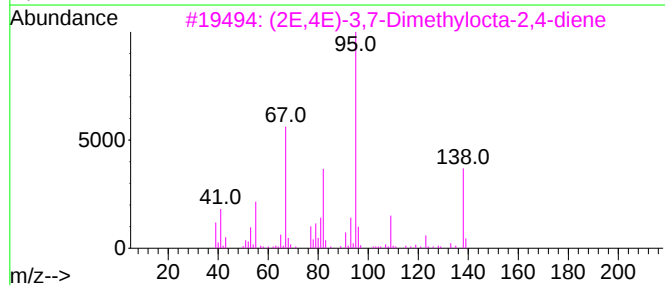
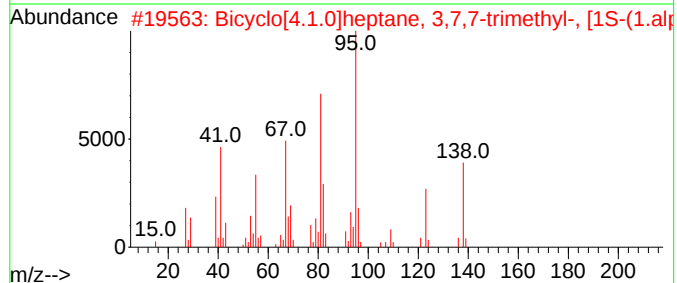
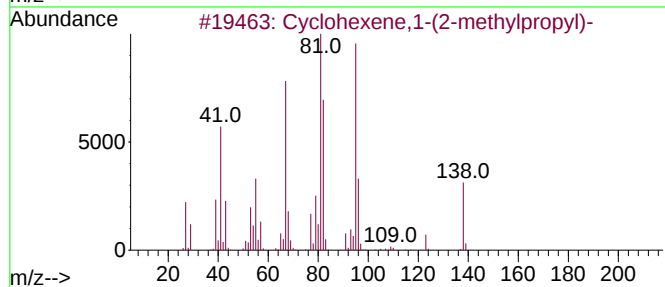
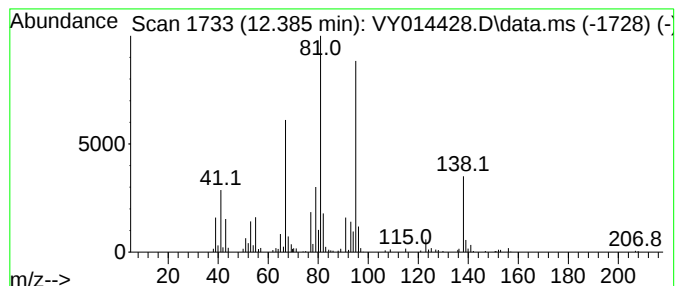
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062323S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Cyclohexene,1-(2-methylprop... Concentration Rank 6

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 12.385    | 9.70 ug/l                           | 121615 | Chlorobenzene-d5 | 11.489      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Cyclohexene,1-(2-methylpropyl)-     | 138    | C10H18           | 003983-03-7 | 87   |
| 2         | Bicyclo[4.1.0]heptane, 3,7,7-tri... | 138    | C10H18           | 002778-68-9 | 86   |
| 3         | (2E,4E)-3,7-Dimethylocta-2,4-diene  | 138    | C10H18           | 006874-39-1 | 64   |
| 4         | Cyclohexene, 3-methyl-6-(1-methy... | 138    | C10H18           | 001124-26-1 | 52   |
| 5         | Santolina epoxide                   | 152    | C10H16O          | 060485-45-2 | 49   |



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Instrument :  
MSVOA\_Y  
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TOTAL-VOC-TP6-07-5N-4

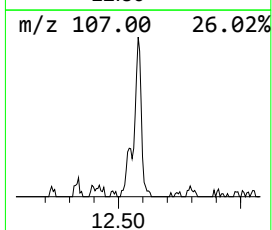
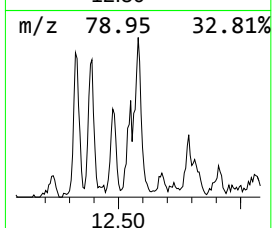
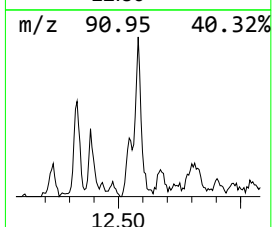
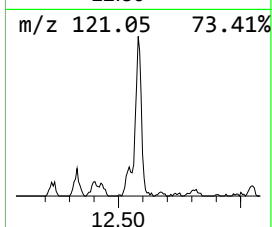
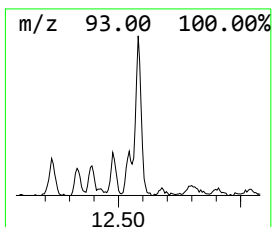
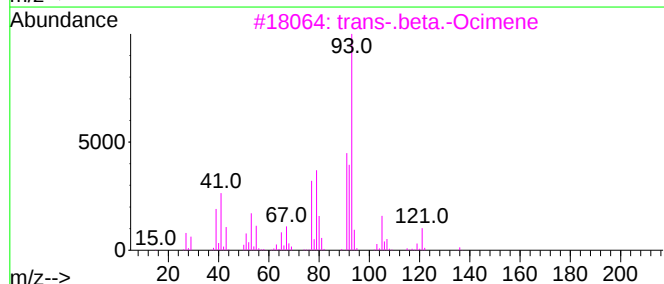
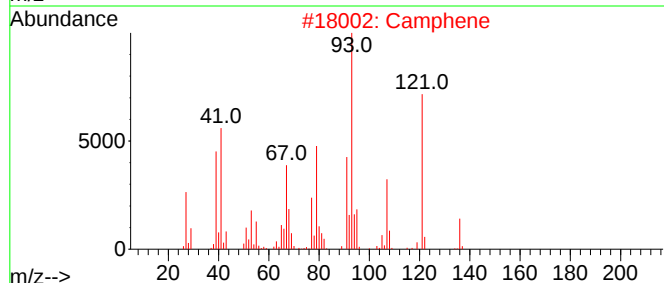
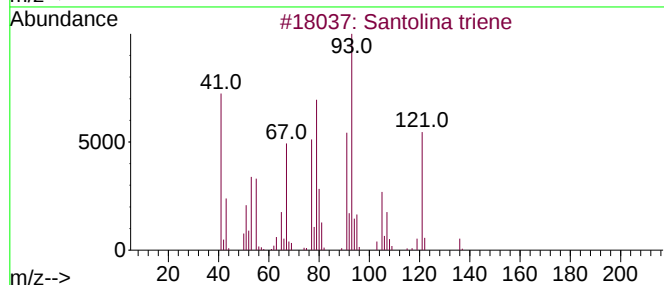
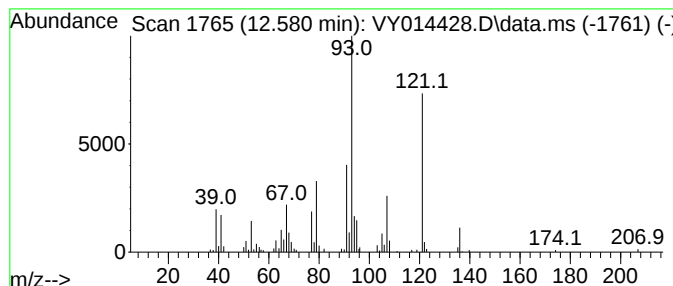
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062323S.M  
Quant Title : SW846 8260

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

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Peak Number 2 Santolina triene Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.580 | 11.85 ug/l | 112292 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Santolina triene                    | 136 | C10H16  | 002153-66-4 | 72   |
| 2    |    |   | Camphene                            | 136 | C10H16  | 000079-92-5 | 72   |
| 3    |    |   | trans-.beta.-Ocimene                | 136 | C10H16  | 003779-61-1 | 59   |
| 4    |    |   | 1,3,6-Heptatriene, 2,5,5-trimethyl- | 136 | C10H16  | 029548-02-5 | 47   |
| 5    |    |   | Bicyclo[3.1.1]heptane, 6,6-dimet... | 136 | C10H16  | 018172-67-3 | 47   |



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Instrument :  
MSVOA\_Y  
ClientSampleId :  
TOTAL-VOC-TP6-07-5N-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062323S.M  
Quant Title : SW846 8260

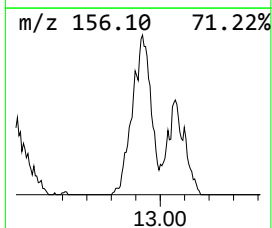
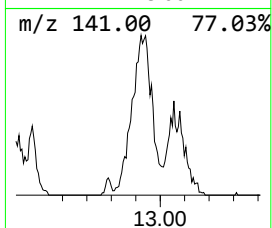
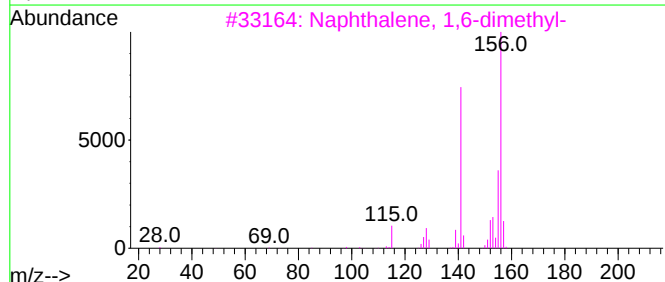
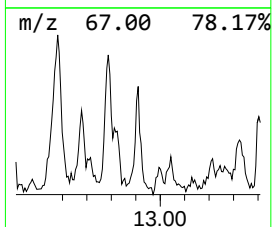
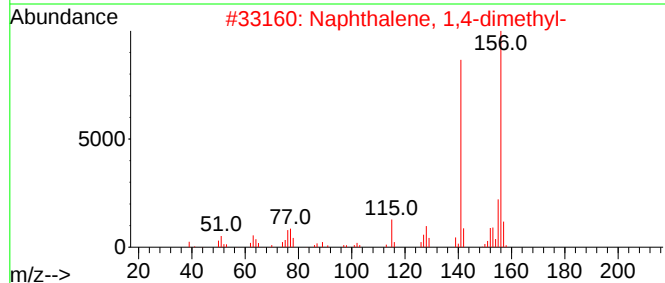
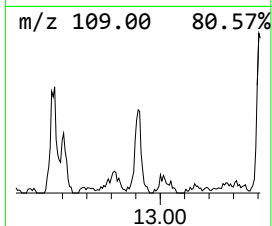
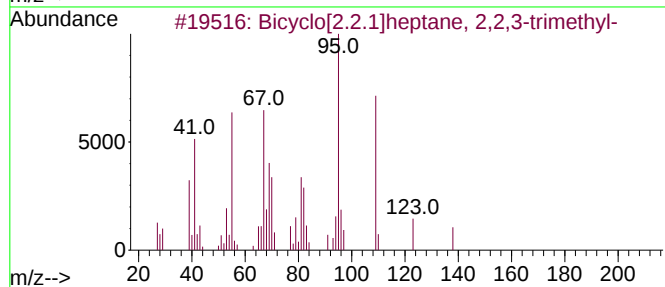
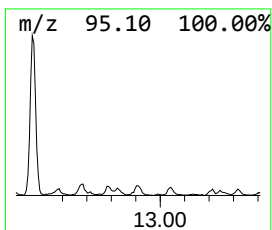
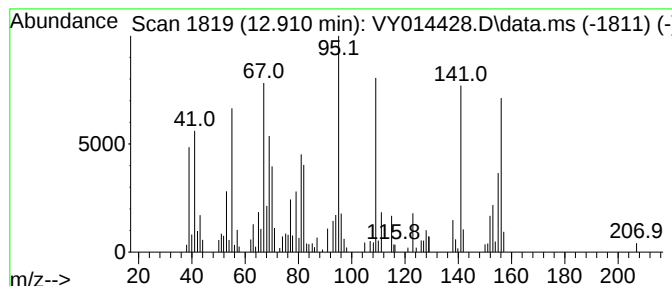
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Bicyclo[2.2.1]heptane, 2,2,... Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.910 | 12.09 ug/l | 114600 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Bicyclo[2.2.1]heptane, 2,2,3-tri... | 138 | C10H18  | 000473-19-8 | 83   |
| 2    |    |   | Naphthalene, 1,4-dimethyl-          | 156 | C12H12  | 000571-58-4 | 60   |
| 3    |    |   | Naphthalene, 1,6-dimethyl-          | 156 | C12H12  | 000575-43-9 | 60   |
| 4    |    |   | Bicyclo[2.2.1]heptane, 2,2,3-tri... | 138 | C10H18  | 020536-40-7 | 50   |
| 5    |    |   | Bicyclo[2.2.1]heptane, 2,2,3-tri... | 138 | C10H18  | 020536-41-8 | 50   |



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TOTAL-VOC-TP6-07-5N-4

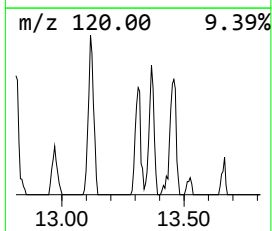
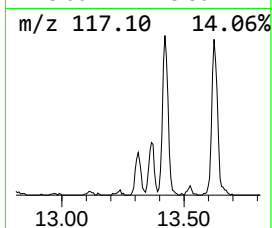
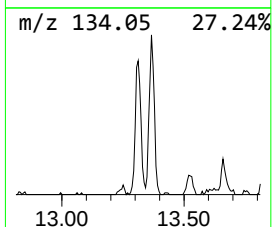
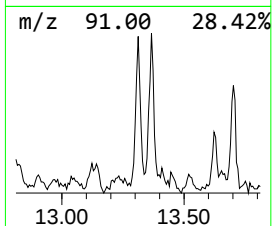
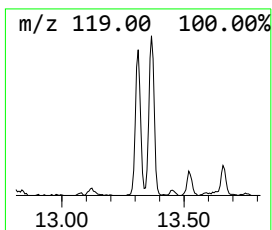
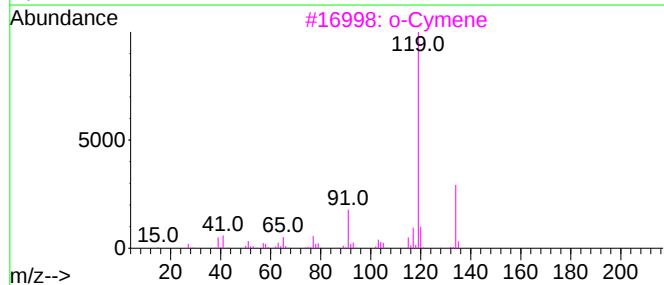
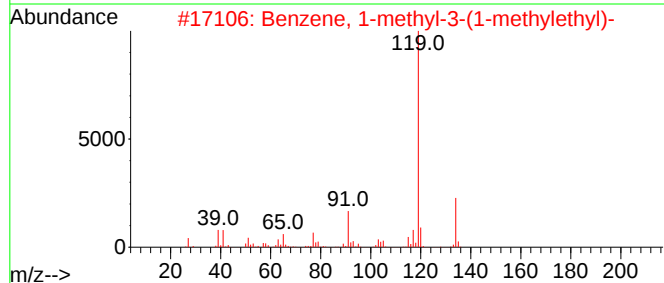
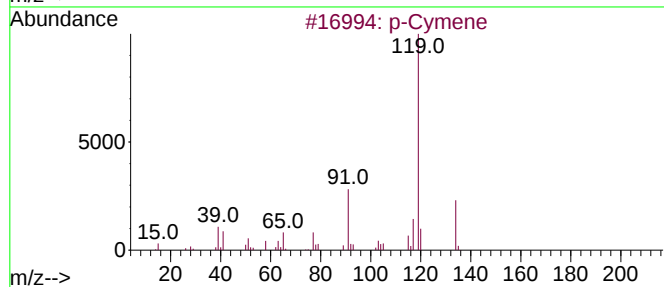
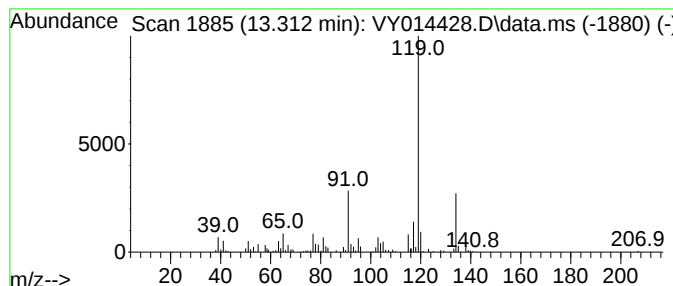
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 p-Cymene Concentration Rank 7

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.312 | 8.54 ug/l | 80960 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                             | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------------|-----|---------|-------------|------|
| 1    |    |   | p-Cymene                                 | 134 | C10H14  | 000099-87-6 | 95   |
| 2    |    |   | Benzene, 1-methyl-3-(1-methylethyl)-     | 134 | C10H14  | 000535-77-3 | 94   |
| 3    |    |   | o-Cymene                                 | 134 | C10H14  | 000527-84-4 | 93   |
| 4    |    |   | Benzene, 1,2,3,4-tetramethyl-            | 134 | C10H14  | 000488-23-3 | 90   |
| 5    |    |   | 1,3,5-Cycloheptatriene, 3,7,7-trimethyl- | 134 | C10H14  | 003479-89-8 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062623\  
Data File : VY014428.D  
Acq On : 26 Jun 2023 12:56  
Operator : KP/MD  
Sample : 03298-13  
Misc : 10.03g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TOTAL-VOC-TP6-07-5N-4

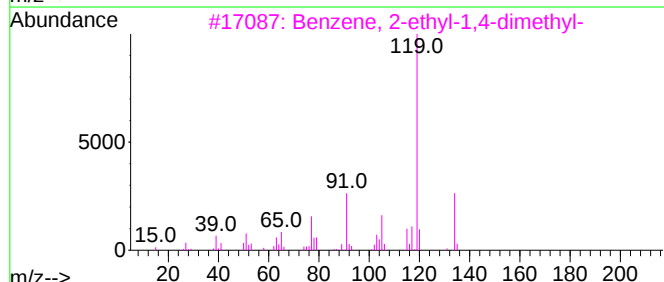
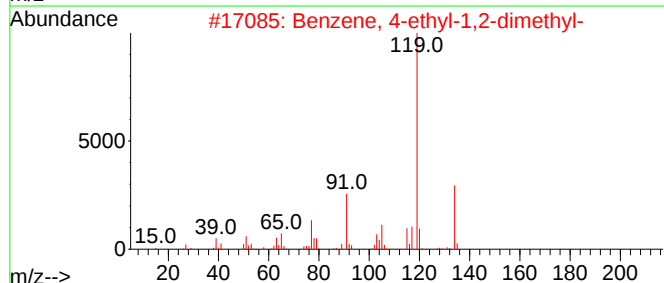
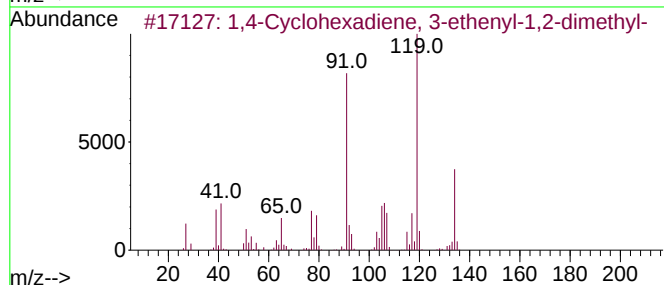
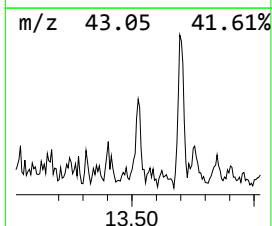
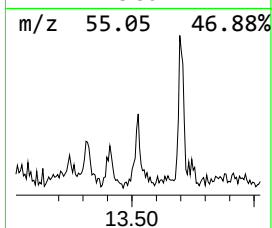
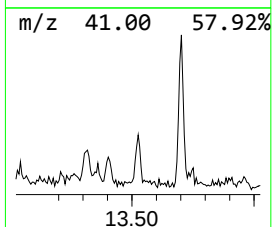
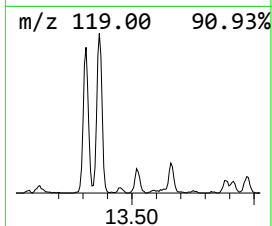
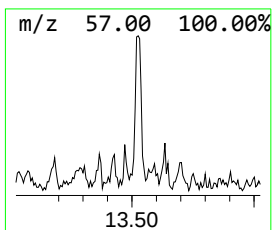
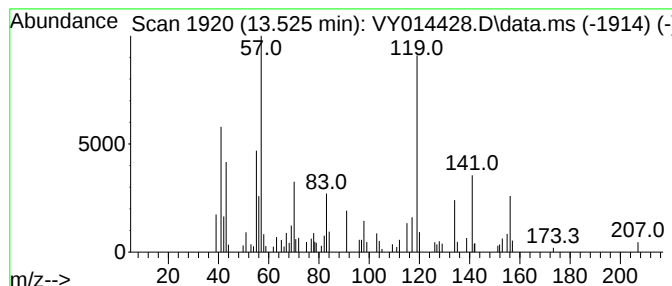
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Quant Title : SW846 8260

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

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Peak Number 5 unknown13.525 Concentration Rank 10

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.525 | 5.93 ug/l | 56170 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1,4-Cyclohexadiene, 3-ethenyl-1,... | 134 | C10H14  | 062338-57-2 | 46   |
| 2    |    |   | Benzene, 4-ethyl-1,2-dimethyl-      | 134 | C10H14  | 000934-80-5 | 46   |
| 3    |    |   | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 46   |
| 4    |    |   | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 46   |
| 5    |    |   | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 46   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062623\  
Data File : VY014428.D  
Acq On : 26 Jun 2023 12:56  
Operator : KP/MD  
Sample : 03298-13  
Misc : 10.03g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TOTAL-VOC-TP6-07-5N-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062323S.M  
Quant Title : SW846 8260

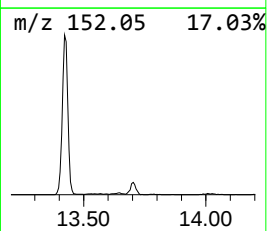
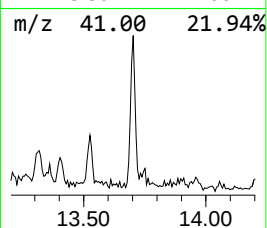
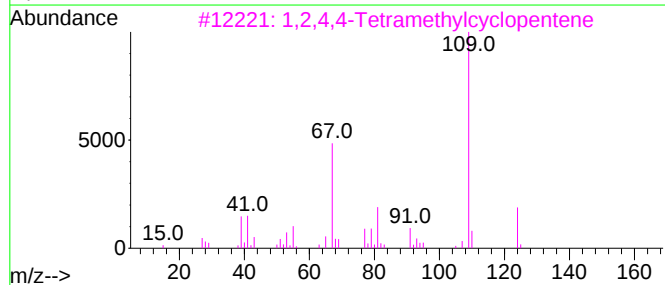
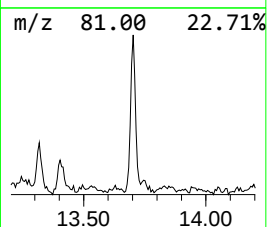
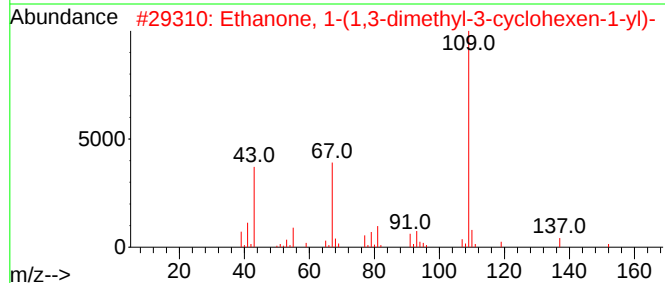
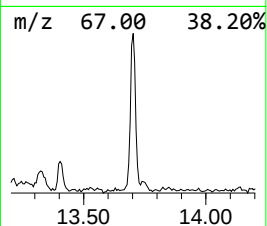
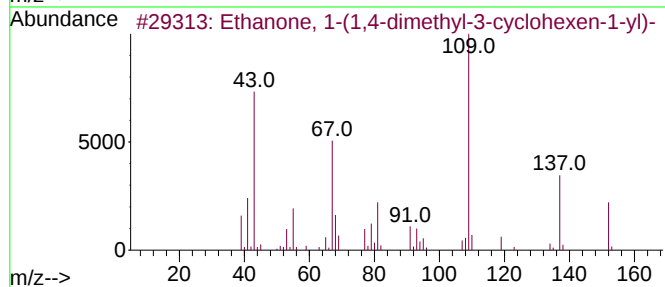
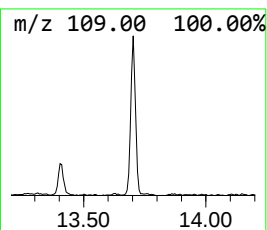
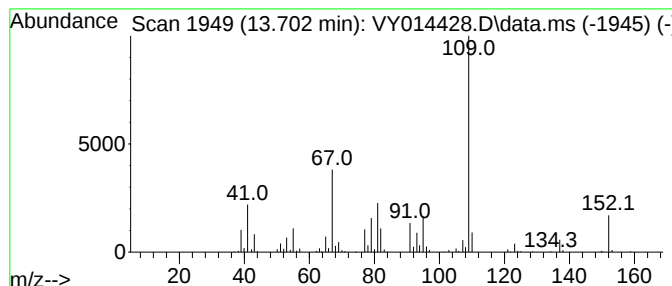
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Ethanone, 1-(1,4-dimethyl-3... Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.702 | 13.30 ug/l | 126086 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Ethanone, 1-(1,4-dimethyl-3-cycl... | 152 | C10H16O | 043219-68-7 | 83   |
| 2    |    |   | Ethanone, 1-(1,3-dimethyl-3-cycl... | 152 | C10H16O | 051733-68-7 | 64   |
| 3    |    |   | 1,2,4,4-Tetramethylcyclopentene     | 124 | C9H16   | 065378-76-9 | 64   |
| 4    |    |   | 1,3-Hexadiene, 2,3,5-trimethyl-     | 124 | C9H16   | 061142-34-5 | 59   |
| 5    |    |   | 2-Cyclopentene-1-carboxylic acid... | 154 | C9H14O2 | 006894-69-5 | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062623\  
Data File : VY014428.D  
Acq On : 26 Jun 2023 12:56  
Operator : KP/MD  
Sample : 03298-13  
Misc : 10.03g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TOTAL-VOC-TP6-07-5N-4

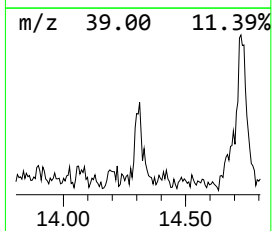
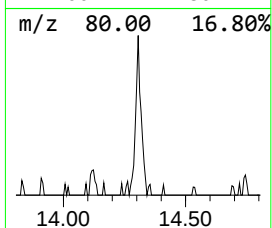
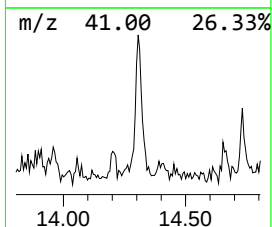
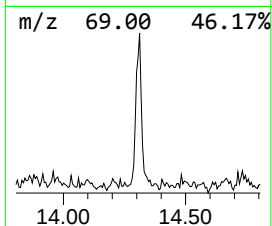
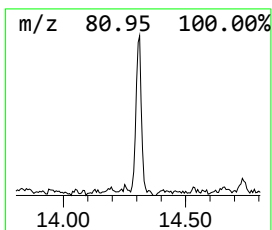
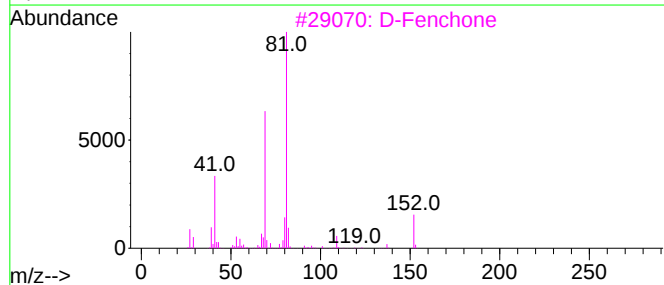
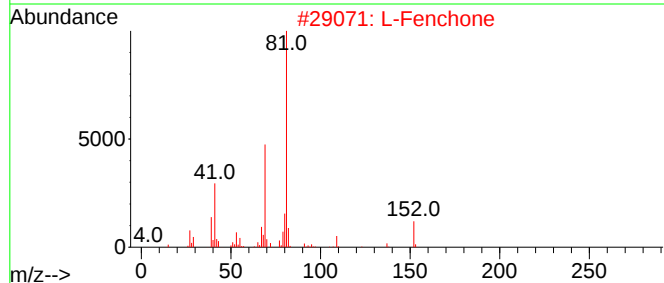
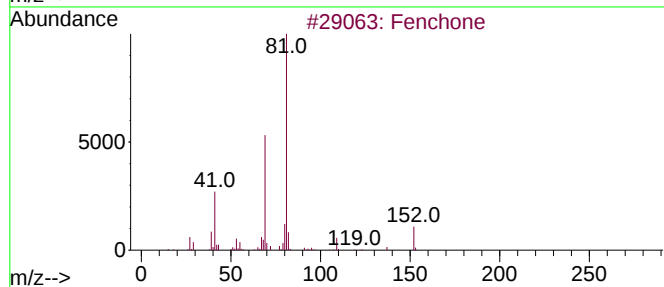
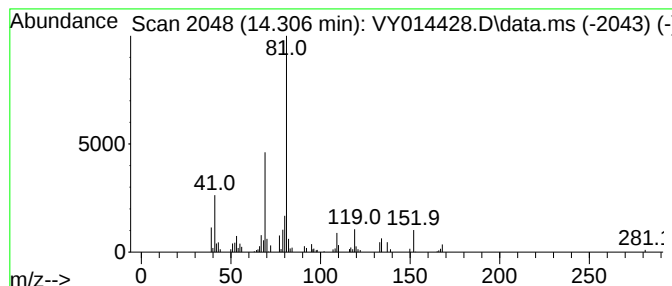
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Quant Title : SW846 8260

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

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Peak Number 7 Fenchone Concentration Rank 8

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.306 | 8.11 ug/l | 76848 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Fenchone                            | 152 | C10H16O | 001195-79-5 | 68   |
| 2    |    |   | L-Fenchone                          | 152 | C10H16O | 007787-20-4 | 64   |
| 3    |    |   | D-Fenchone                          | 152 | C10H16O | 004695-62-9 | 59   |
| 4    |    |   | 2-Furanacetaldehyde, .alpha.-pro... | 152 | C9H12O2 | 031681-26-2 | 50   |
| 5    |    |   | Cyclopentene, 1,5-dimethyl-         | 96  | C7H12   | 016491-15-9 | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062623\  
Data File : VY014428.D  
Acq On : 26 Jun 2023 12:56  
Operator : KP/MD  
Sample : 03298-13  
Misc : 10.03g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TOTAL-VOC-TP6-07-5N-4

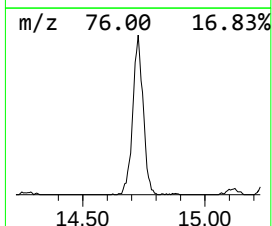
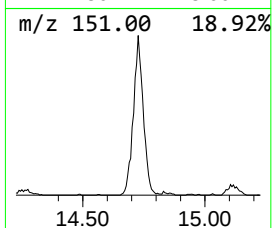
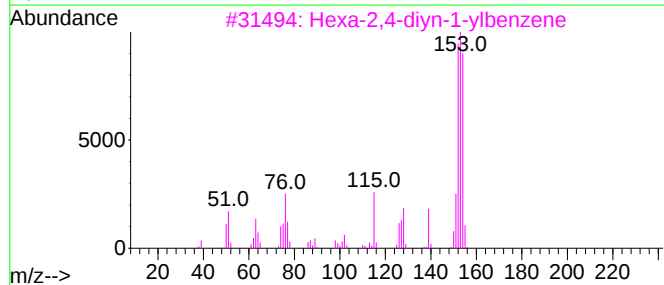
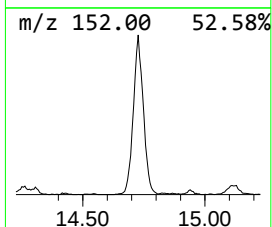
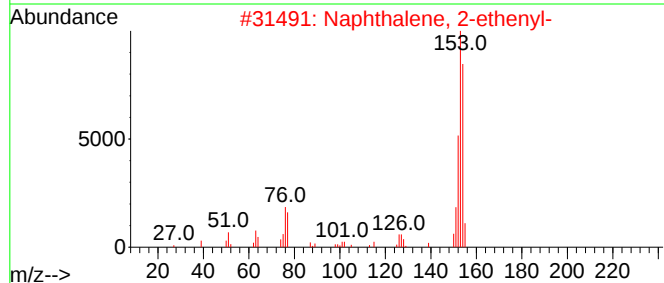
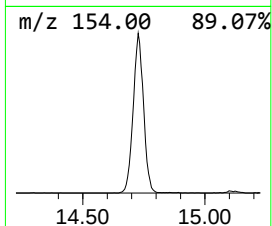
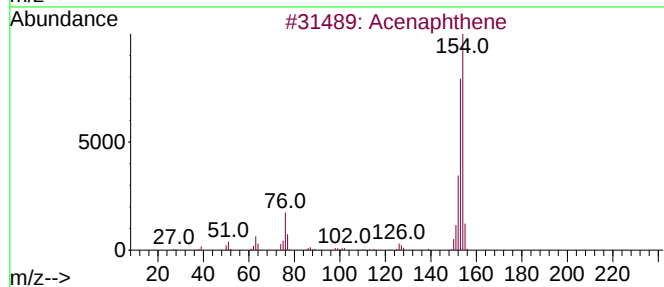
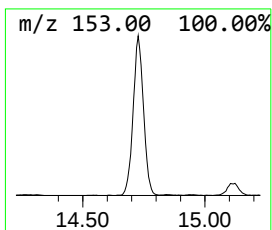
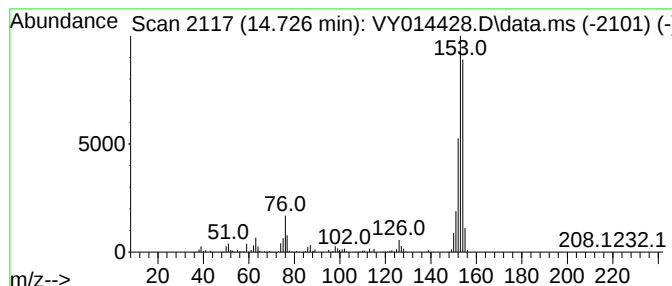
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Quant Title : SW846 8260

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

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Peak Number 8 Acenaphthene Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.726 | 89.47 ug/l | 848171 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Acenaphthene                 | 154 | C12H10  | 000083-32-9 | 93   |
| 2    |    |   | Naphthalene, 2-ethenyl-      | 154 | C12H10  | 000827-54-3 | 64   |
| 3    |    |   | Hexa-2,4-diyne-1-ylbenzene   | 154 | C12H10  | 000520-74-1 | 59   |
| 4    |    |   | 2,4,6-Trihydroxybenzaldehyde | 154 | C7H6O4  | 000487-70-7 | 53   |
| 5    |    |   | Biphenyl                     | 154 | C12H10  | 000092-52-4 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062623\  
Data File : VY014428.D  
Acq On : 26 Jun 2023 12:56  
Operator : KP/MD  
Sample : 03298-13  
Misc : 10.03g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TOTAL-VOC-TP6-07-5N-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062323S.M  
Quant Title : SW846 8260

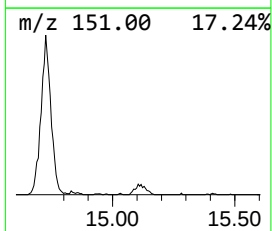
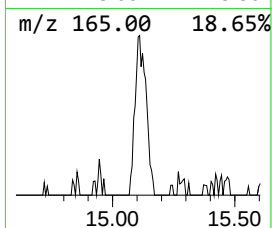
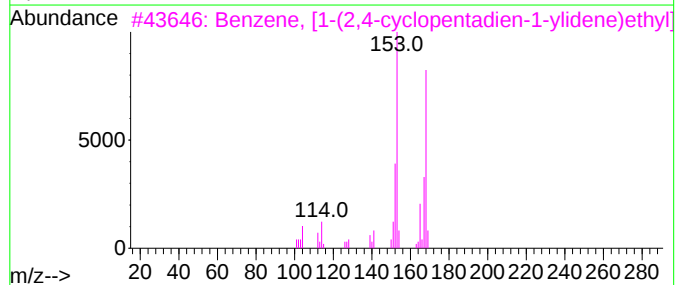
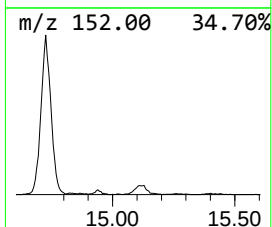
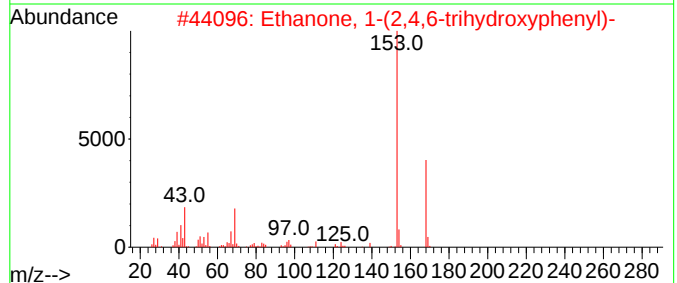
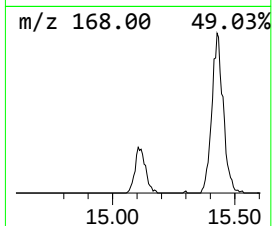
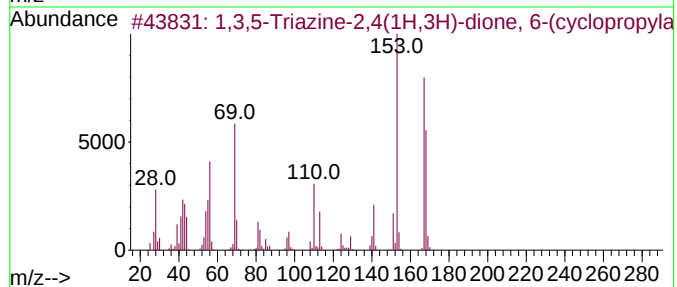
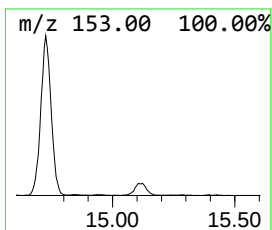
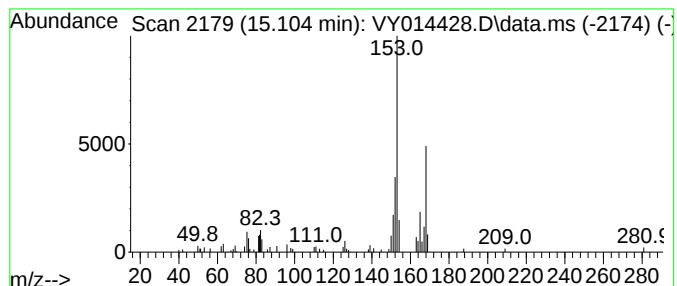
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 1,3,5-Triazine-2,4(1H,3H)-d... Concentration Rank 9

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.104 | 6.06 ug/l | 57422 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 1,3,5-Triazine-2,4(1H,3H)-dione,... | 168 | C6H8N4O2     | 092510-61-7 | 59      |      |      |
| 2    | Ethanone, 1-(2,4,6-trihydroxyphe... | 168 | C8H8O4       | 000480-66-0 | 58      |      |      |
| 3    | Benzene, [1-(2,4-cyclopentadien-... | 168 | C13H12       | 002320-32-3 | 56      |      |      |
| 4    | Ethanone, 1-(2,3,4-trihydroxyphe... | 168 | C8H8O4       | 000528-21-2 | 53      |      |      |
| 5    | 1-Isopropenyl naphthalene           | 168 | C13H12       | 001855-47-6 | 52      |      |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062623\  
Data File : VY014428.D  
Acq On : 26 Jun 2023 12:56  
Operator : KP/MD  
Sample : 03298-13  
Misc : 10.03g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TOTAL-VOC-TP6-07-5N-4

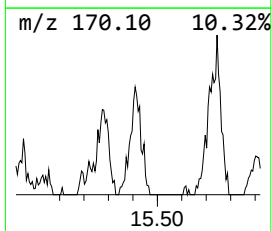
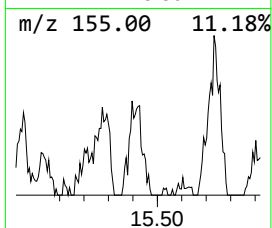
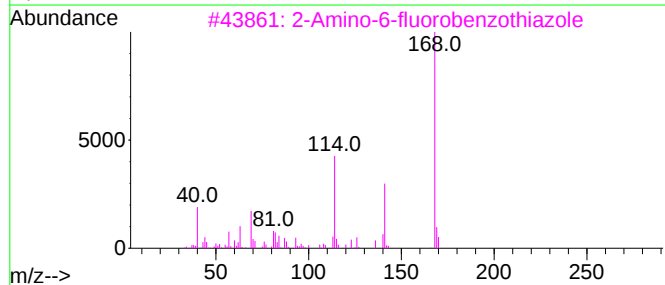
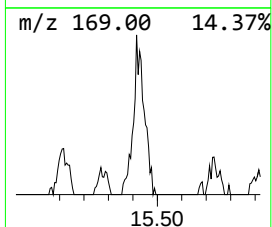
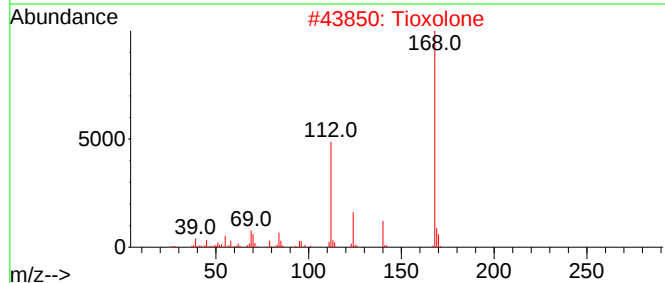
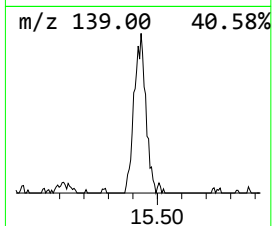
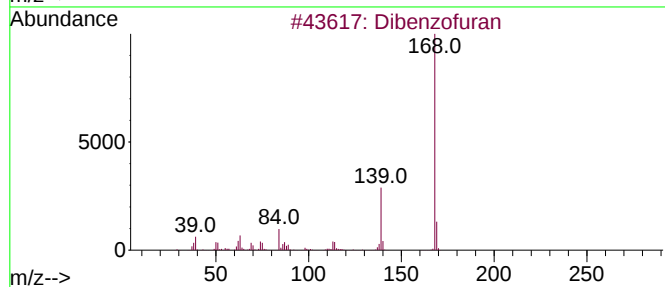
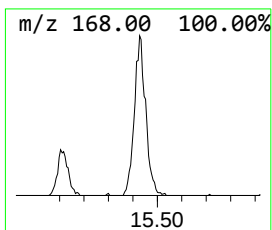
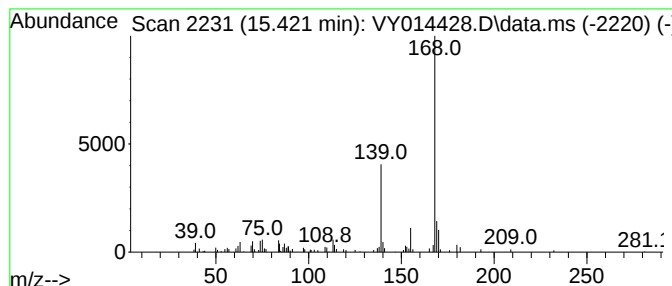
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062323S.M  
Quant Title : SW846 8260

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

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Peak Number 10 Dibenzofuran Concentration Rank 5

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.421 | 9.95 ug/l | 94286 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Dibenzofuran                        | 168 | C12H8O   | 000132-64-9  | 92   |
| 2    |    |   | Tioxolone                           | 168 | C7H4O3S  | 004991-65-5  | 50   |
| 3    |    |   | 2-Amino-6-fluorobenzothiazole       | 168 | C7H5FN2S | 000348-40-3  | 47   |
| 4    |    |   | 2H-[1,2,4]thiadiazolo[2,3-a]pyri... | 168 | C6H4N2S2 | 1000404-55-7 | 47   |
| 5    |    |   | Naphtho[2,1-d]imidazole             | 168 | C11H8N2  | 000233-53-4  | 46   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062623\  
Data File : VY014428.D  
Acq On : 26 Jun 2023 12:56  
Operator : KP/MD  
Sample : 03298-13  
Misc : 10.03g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TOTAL-VOC-TP6-07-5N-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062323S.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 |
| Cyclohexene,1-(... | 12.385 | 9.7     | ug/l  | 121615   | 3                     | 11.489 | 626635 | 50.0 |
| Santolina triene   | 12.580 | 11.9    | ug/l  | 112292   | 4                     | 13.422 | 474001 | 50.0 |
| Bicyclo[2.2.1]h... | 12.910 | 12.1    | ug/l  | 114600   | 4                     | 13.422 | 474001 | 50.0 |
| p-Cymene           | 13.312 | 8.5     | ug/l  | 80960    | 4                     | 13.422 | 474001 | 50.0 |
| unknown13.525      | 13.525 | 5.9     | ug/l  | 56170    | 4                     | 13.422 | 474001 | 50.0 |
| Ethanone, 1-(1,... | 13.702 | 13.3    | ug/l  | 126086   | 4                     | 13.422 | 474001 | 50.0 |
| Fenchone           | 14.306 | 8.1     | ug/l  | 76848    | 4                     | 13.422 | 474001 | 50.0 |
| Acenaphthene       | 14.726 | 89.5    | ug/l  | 848171   | 4                     | 13.422 | 474001 | 50.0 |
| 1,3,5-Triazine-... | 15.104 | 6.1     | ug/l  | 57422    | 4                     | 13.422 | 474001 | 50.0 |
| Dibenzofuran       | 15.421 | 9.9     | ug/l  | 94286    | 4                     | 13.422 | 474001 | 50.0 |