

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY113022\  
 Data File : VY011643.D  
 Acq On : 30 Nov 2022 16:02  
 Operator : KP/MD  
 Sample : N5819-02  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 S2

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\82Y111822S.M  
 Title : SW846 8260

Signal : TIC: VY011643.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         | 2.668       | 137           | 139         | 148          | rVB3     | 998            | 1614          | 2.41%           | 0.315%        |
| 2         | 4.716       | 468           | 475         | 482          | rVB4     | 1437           | 3672          | 5.48%           | 0.718%        |
| 3         | 6.966       | 840           | 844         | 848          | rVV2     | 595            | 968           | 1.44%           | 0.189%        |
| 4         | 7.716       | 957           | 967         | 972          | rBV2     | 3804           | 9167          | 13.67%          | 1.791%        |
| 5         | 7.789       | 972           | 979         | 988          | rVB      | 12590          | 28011         | 41.77%          | 5.474%        |
| 6         | 8.143       | 1028          | 1037        | 1044         | rBV3     | 6748           | 13814         | 20.60%          | 2.700%        |
| 7         | 8.691       | 1120          | 1127        | 1136         | rBV      | 16494          | 33576         | 50.07%          | 6.561%        |
| 8         | 9.813       | 1309          | 1311        | 1316         | rBV4     | 643            | 924           | 1.38%           | 0.181%        |
| 9         | 10.179      | 1363          | 1371        | 1382         | rVV      | 26746          | 48308         | 72.04%          | 9.440%        |
| 10        | 10.374      | 1395          | 1403        | 1407         | rVV5     | 1992           | 4621          | 6.89%           | 0.903%        |
| 11        | 10.801      | 1469          | 1473        | 1478         | rVB4     | 1599           | 2338          | 3.49%           | 0.457%        |
| 12        | 10.904      | 1486          | 1490        | 1496         | rBV3     | 612            | 914           | 1.36%           | 0.179%        |
| 13        | 11.032      | 1508          | 1511        | 1515         | rBV4     | 1365           | 1815          | 2.71%           | 0.355%        |
| 14        | 11.087      | 1516          | 1520        | 1527         | rVB4     | 1699           | 3015          | 4.50%           | 0.589%        |
| 15        | 11.209      | 1535          | 1540        | 1544         | rBV3     | 1359           | 2059          | 3.07%           | 0.402%        |
| 16        | 11.276      | 1544          | 1551        | 1558         | rVV6     | 2116           | 4807          | 7.17%           | 0.939%        |
| 17        | 11.380      | 1562          | 1568        | 1573         | rBV3     | 1733           | 2801          | 4.18%           | 0.547%        |
| 18        | 11.490      | 1579          | 1586        | 1594         | rBV      | 22600          | 38719         | 57.74%          | 7.567%        |
| 19        | 11.672      | 1613          | 1616        | 1617         | rBV2     | 767            | 966           | 1.44%           | 0.189%        |
| 20        | 11.709      | 1617          | 1622        | 1631         | rVV6     | 4042           | 9693          | 14.45%          | 1.894%        |
| 21        | 11.782      | 1631          | 1634        | 1636         | rVB3     | 840            | 1033          | 1.54%           | 0.202%        |
| 22        | 12.002      | 1668          | 1670        | 1673         | rVB3     | 984            | 1073          | 1.60%           | 0.210%        |
| 23        | 12.117      | 1686          | 1689        | 1693         | rVB4     | 689            | 1079          | 1.61%           | 0.211%        |
| 24        | 12.160      | 1693          | 1696        | 1699         | rBV4     | 603            | 746           | 1.11%           | 0.146%        |
| 25        | 12.209      | 1699          | 1704        | 1705         | rBV2     | 988            | 1092          | 1.63%           | 0.213%        |
| 26        | 12.246      | 1705          | 1710        | 1717         | rVB5     | 848            | 1543          | 2.30%           | 0.302%        |
| 27        | 12.361      | 1721          | 1729        | 1730         | rBV4     | 2545           | 4782          | 7.13%           | 0.935%        |
| 28        | 12.386      | 1730          | 1733        | 1734         | rBV3     | 1870           | 1874          | 2.79%           | 0.366%        |
| 29        | 12.483      | 1744          | 1749        | 1759         | rVB      | 18301          | 34827         | 51.94%          | 6.806%        |
| 30        | 12.782      | 1791          | 1798        | 1800         | rBV4     | 934            | 1938          | 2.89%           | 0.379%        |
| 31        | 12.959      | 1807          | 1827        | 1839         | rBV4     | 13504          | 67058         | 100.00%         | 13.105%       |
| 32        | 13.069      | 1839          | 1845        | 1846         | rBV4     | 4040           | 7241          | 10.80%          | 1.415%        |
| 33        | 13.379      | 1890          | 1896        | 1897         | rBV3     | 830            | 1390          | 2.07%           | 0.272%        |
| 34        | 13.428      | 1897          | 1904        | 1911         | rVB2     | 17101          | 30359         | 45.27%          | 5.933%        |
| 35        | 13.562      | 1911          | 1926        | 1929         | rBV6     | 6331           | 18014         | 26.86%          | 3.520%        |
| 36        | 13.654      | 1935          | 1941        | 1954         | rVB8     | 4338           | 16124         | 24.04%          | 3.151%        |

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 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 S2

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\82Y111822S.M  
 Title : SW846 8260

|    |        |      |      |      |      |       |       |        |        |
|----|--------|------|------|------|------|-------|-------|--------|--------|
| 37 | 14.026 | 1994 | 2002 | 2010 | rVV5 | 2187  | 7544  | 11.25% | 1.474% |
| 38 | 14.263 | 2028 | 2041 | 2057 | rBV3 | 12225 | 47299 | 70.53% | 9.243% |
| 39 | 14.727 | 2108 | 2117 | 2127 | rVB5 | 6235  | 17211 | 25.67% | 3.363% |
| 40 | 14.897 | 2133 | 2145 | 2154 | rBV8 | 2079  | 9422  | 14.05% | 1.841% |
| 41 | 15.050 | 2165 | 2170 | 2171 | rBV3 | 736   | 853   | 1.27%  | 0.167% |
| 42 | 15.208 | 2192 | 2196 | 2198 | rBV4 | 972   | 1242  | 1.85%  | 0.243% |
| 43 | 15.288 | 2205 | 2209 | 2214 | rVB4 | 1984  | 3303  | 4.93%  | 0.645% |
| 44 | 15.428 | 2222 | 2232 | 2241 | rVB7 | 2826  | 10220 | 15.24% | 1.997% |
| 45 | 15.745 | 2276 | 2284 | 2294 | rVV5 | 3100  | 11020 | 16.43% | 2.154% |
| 46 | 16.141 | 2343 | 2349 | 2351 | rBV2 | 503   | 752   | 1.12%  | 0.147% |
| 47 | 16.659 | 2433 | 2434 | 2439 | rVB4 | 853   | 875   | 1.30%  | 0.171% |

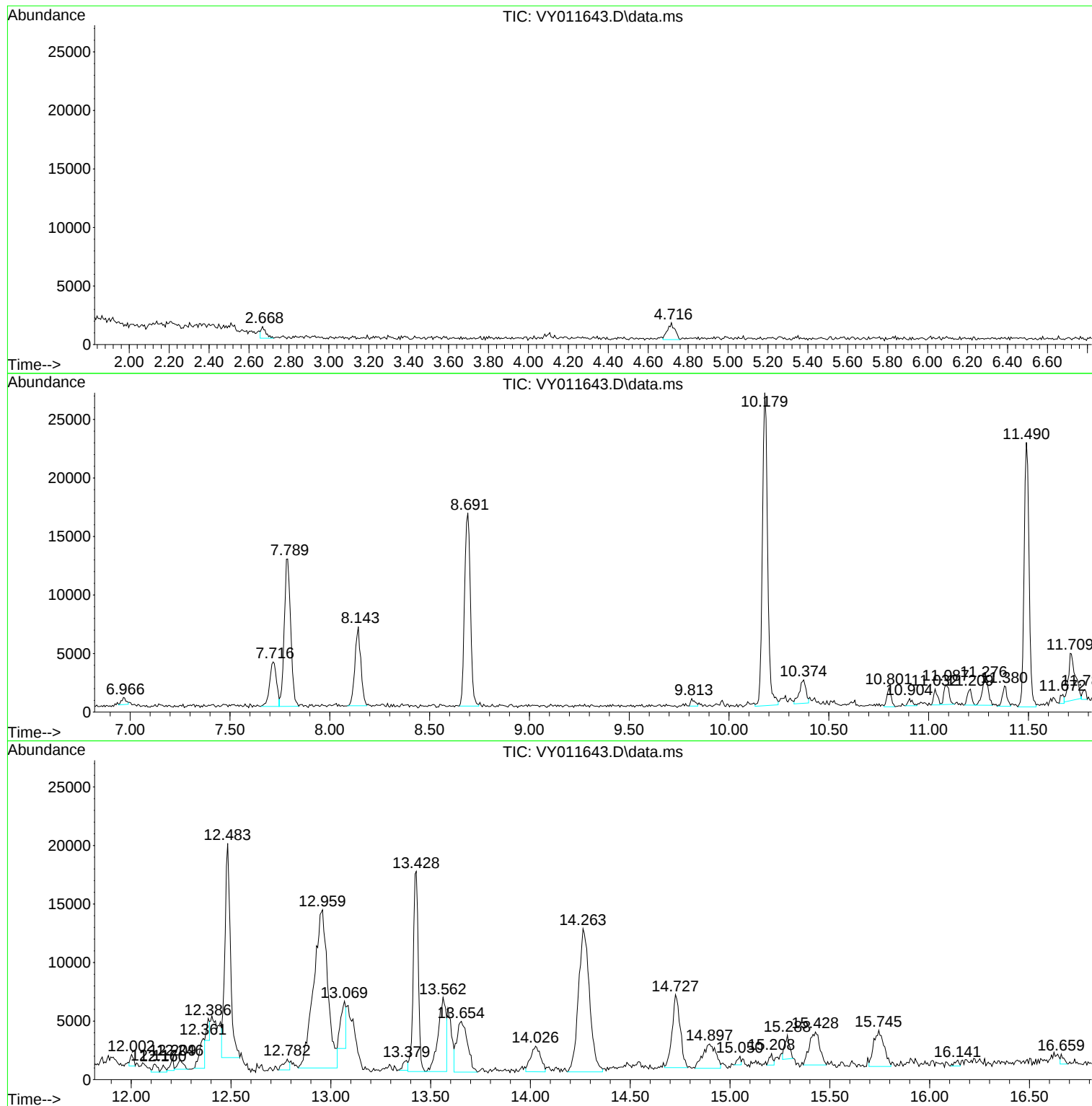
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY113022\  
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Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY113022\  
Data File : VY011643.D  
Acq On : 30 Nov 2022 16:02  
Operator : KP/MD  
Sample : N5819-02  
Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S2

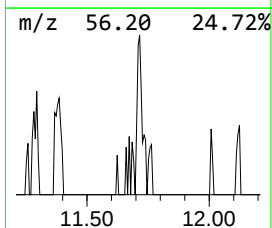
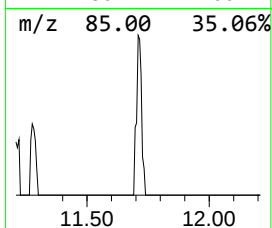
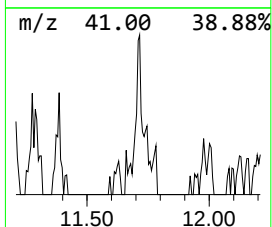
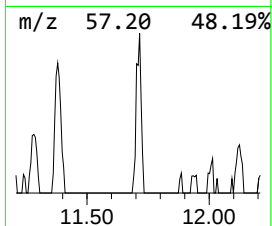
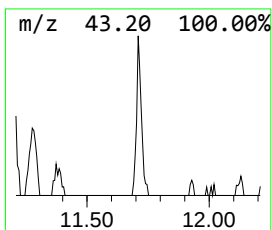
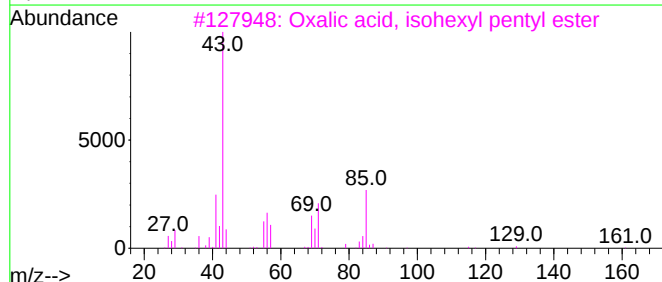
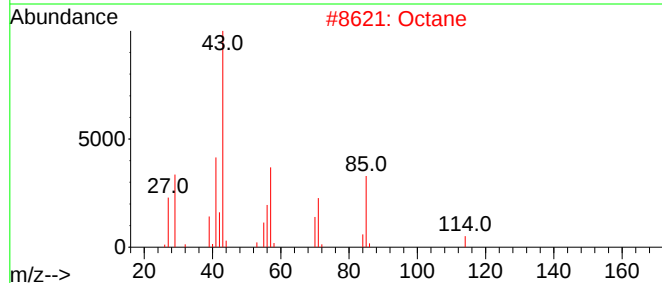
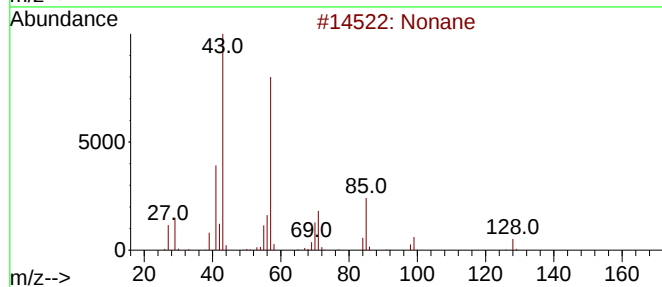
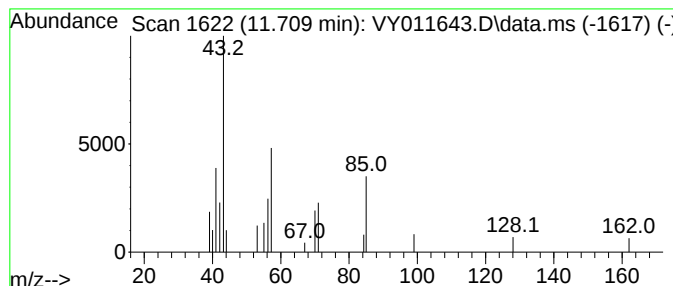
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Nonane Concentration Rank 9

| R.T.   | EstConc    | Area | Relative to ISTD | R.T.   |
|--------|------------|------|------------------|--------|
| 11.709 | 12.52 ug/l | 9693 | Chlorobenzene-d5 | 11.490 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm     | CAS#         | Qual |
|------|----|---|------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Nonane                             | 128 | C9H20       | 000111-84-2  | 80   |
| 2    |    |   | Octane                             | 114 | C8H18       | 000111-65-9  | 64   |
| 3    |    |   | Oxalic acid, isohexyl pentyl ester | 244 | C13H24O4    | 1000309-32-8 | 53   |
| 4    |    |   | Silane, trichlorodocosyl-          | 442 | C22H45Cl3Si | 007325-84-0  | 50   |
| 5    |    |   | 2,4,6,8-Tetramethyl-1-undecene     | 210 | C15H30      | 059920-26-2  | 45   |



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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S2

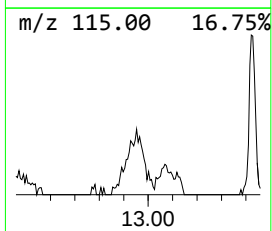
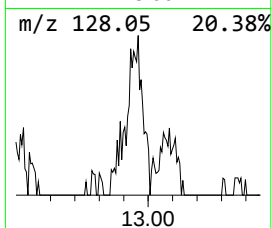
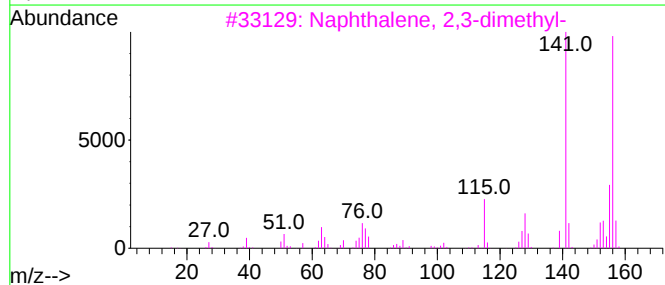
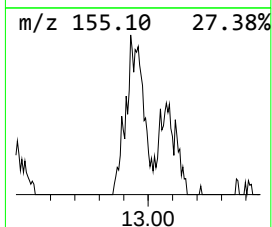
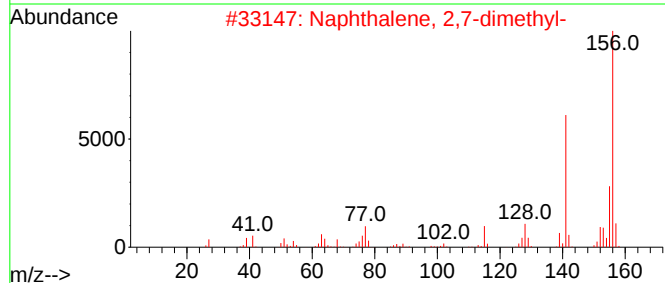
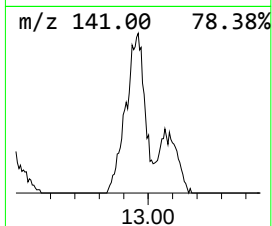
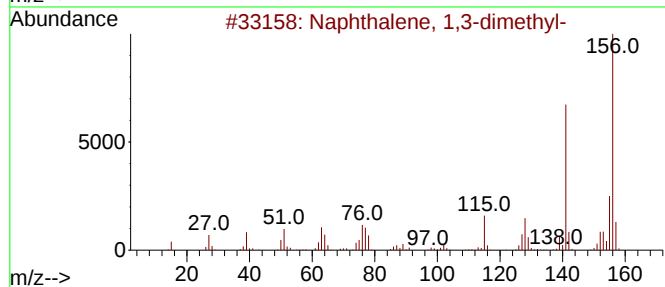
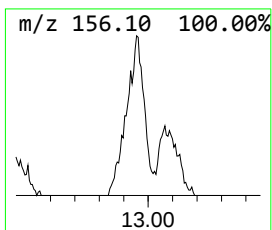
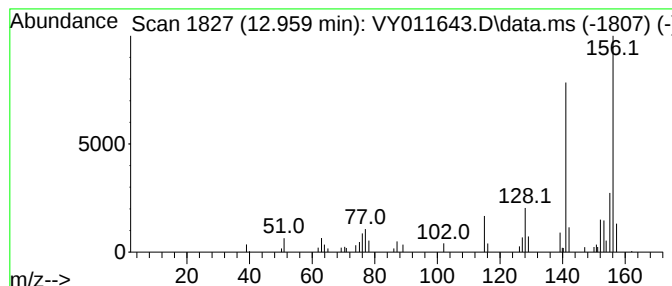
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
Quant Title : SW846 8260

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

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Peak Number 2 Naphthalene, 1,3-dimethyl- Concentration Rank 1

| R.T.   | EstConc     | Area  | Relative to ISTD       | R.T.   |
|--------|-------------|-------|------------------------|--------|
| 12.959 | 110.44 ug/l | 67058 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 97   |
| 2    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 3    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 96   |
| 4    |    |   | Naphthalene, 1,8-dimethyl- | 156 | C12H12  | 000569-41-5 | 96   |
| 5    |    |   | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 95   |



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Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S2

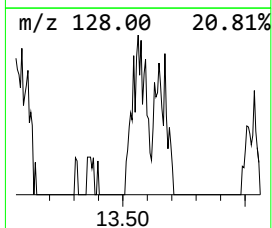
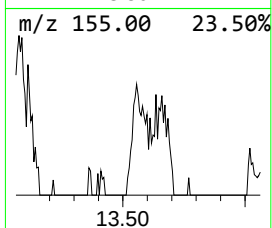
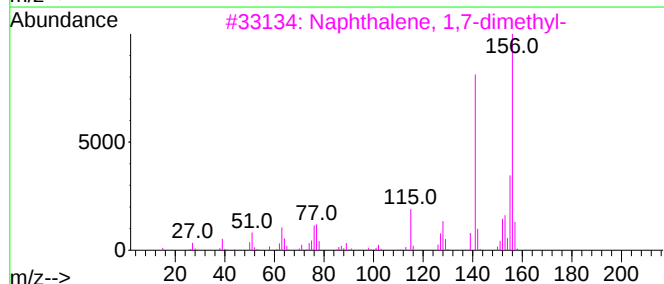
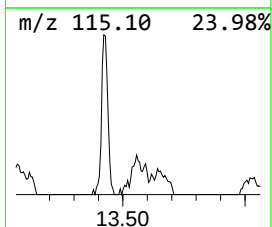
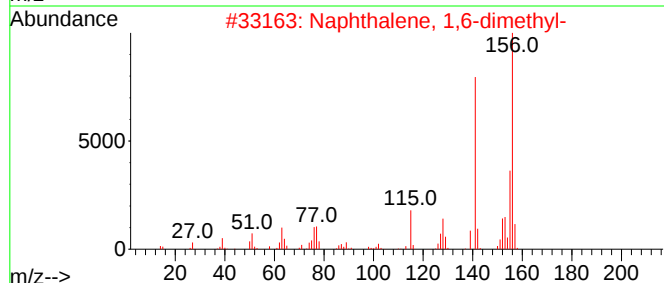
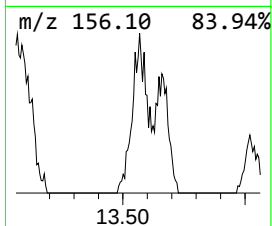
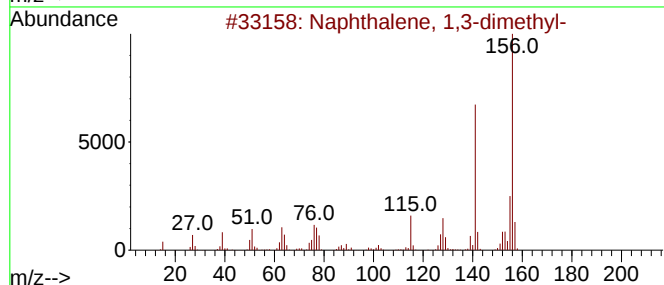
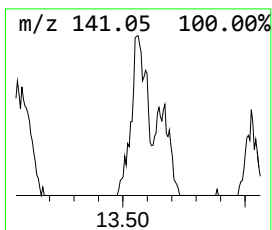
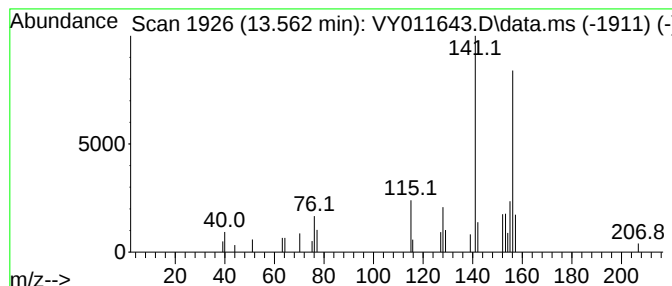
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 3

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 13.562 | 29.67 ug/l | 18014 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 95   |
| 2    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 94   |
| 3    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 94   |
| 4    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 94   |
| 5    |    |   | Naphthalene, 1,8-dimethyl- | 156 | C12H12  | 000569-41-5 | 93   |



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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S2

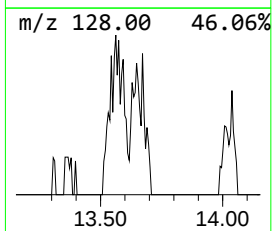
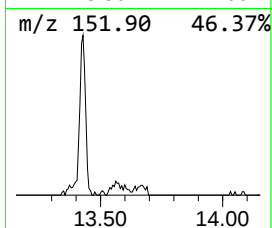
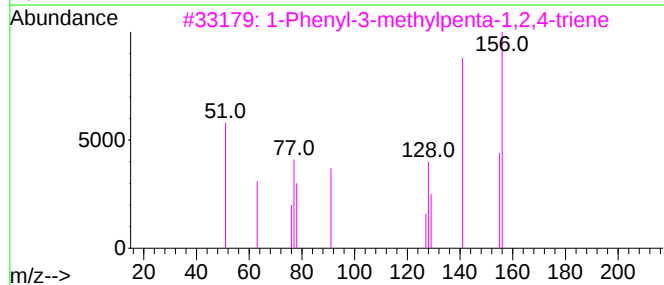
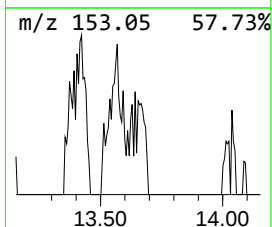
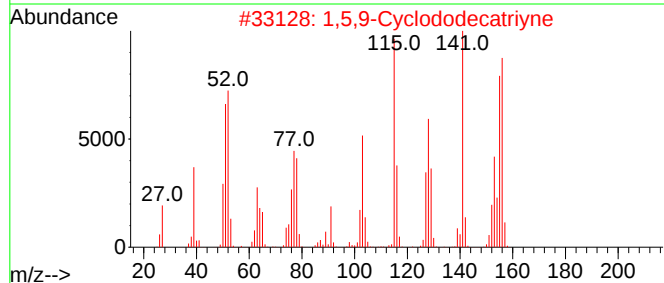
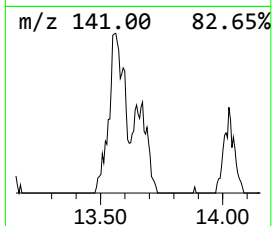
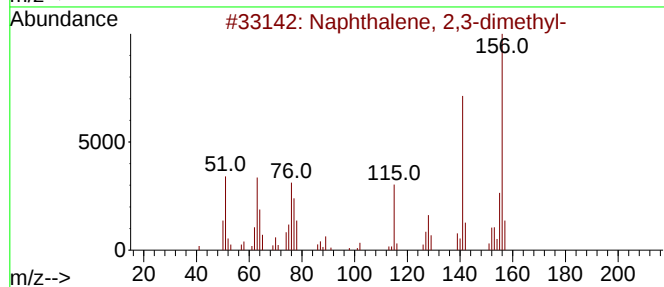
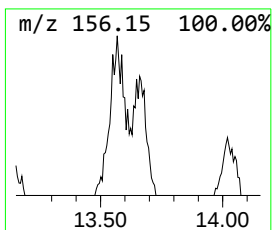
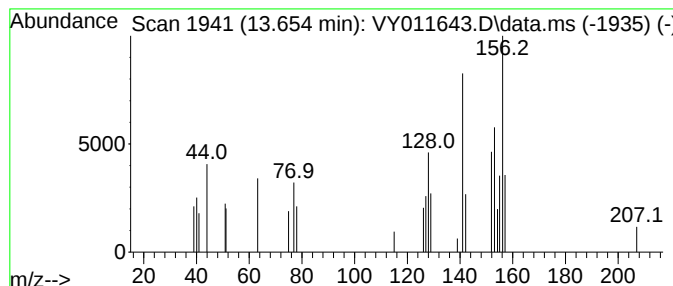
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
Quant Title : SW846 8260

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

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Peak Number 4 unknown13.654 Concentration Rank 5

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 13.654 | 26.56 ug/l | 16124 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,3-dimethyl-          | 156 | C12H12  | 000581-40-8 | 49   |
| 2    |    |   | 1,5,9-Cyclododecatriyne             | 156 | C12H12  | 060323-50-4 | 49   |
| 3    |    |   | 1-Phenyl-3-methylpenta-1,2,4-triene | 156 | C12H12  | 093247-38-2 | 49   |
| 4    |    |   | Naphthalene, 1,2-dimethyl-          | 156 | C12H12  | 000573-98-8 | 46   |
| 5    |    |   | Naphthalene, 2,6-dimethyl-          | 156 | C12H12  | 000581-42-0 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY113022\  
Data File : VY011643.D  
Acq On : 30 Nov 2022 16:02  
Operator : KP/MD  
Sample : N5819-02  
Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S2

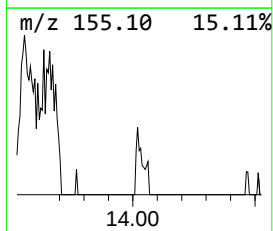
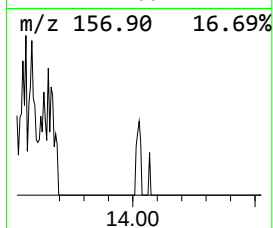
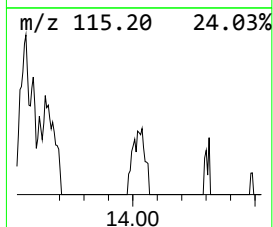
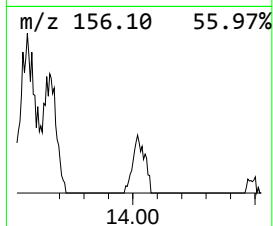
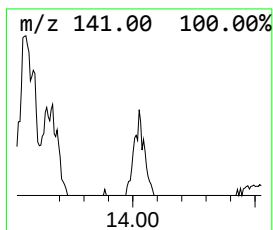
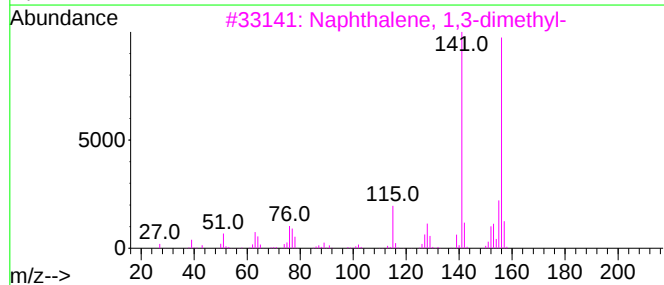
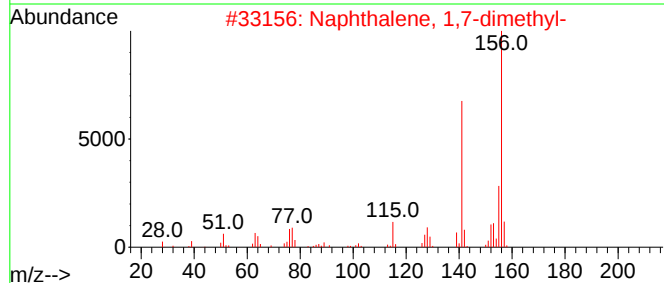
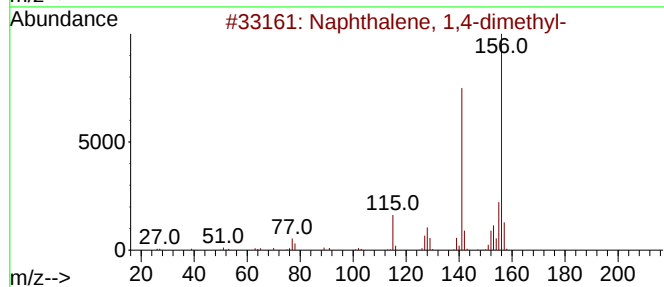
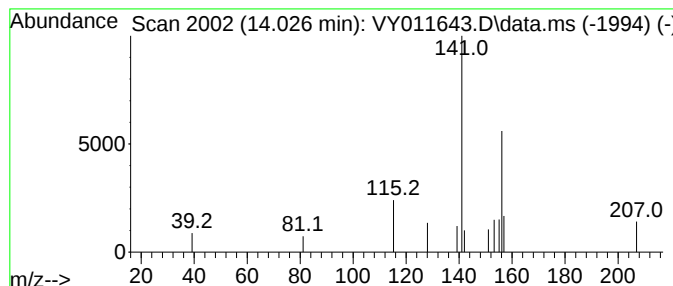
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 Naphthalene, 1,4-dimethyl- Concentration Rank 10

| R.T.   | EstConc    | Area | Relative to ISTD       | R.T.   |
|--------|------------|------|------------------------|--------|
| 14.026 | 12.42 ug/l | 7544 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 83   |
| 2    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 83   |
| 3    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 83   |
| 4    |    |   | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 80   |
| 5    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 80   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY113022\  
Data File : VY011643.D  
Acq On : 30 Nov 2022 16:02  
Operator : KP/MD  
Sample : N5819-02  
Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S2

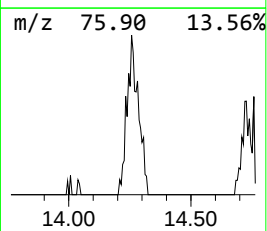
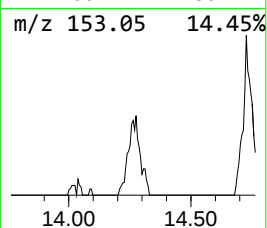
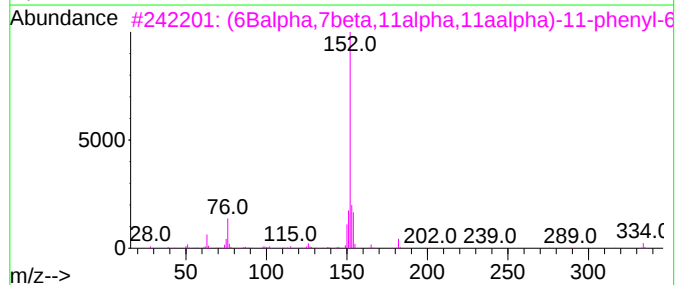
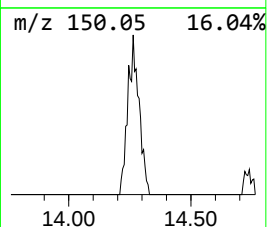
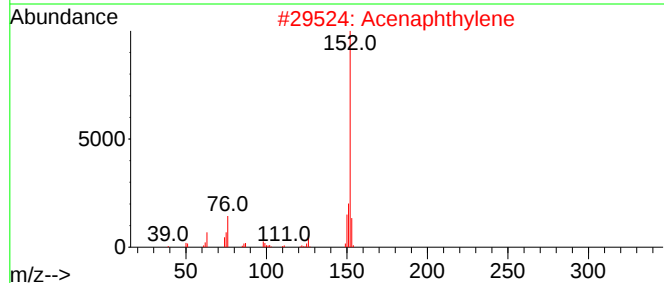
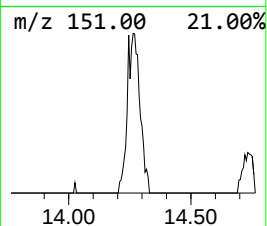
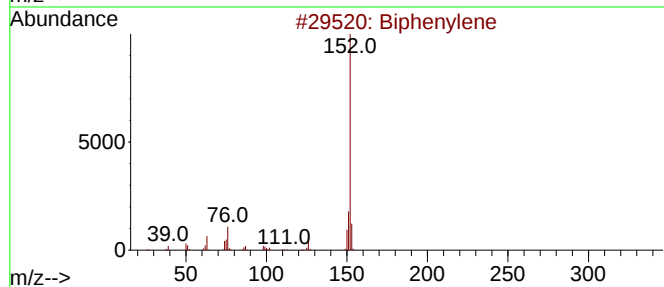
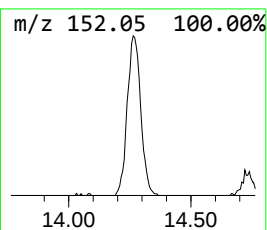
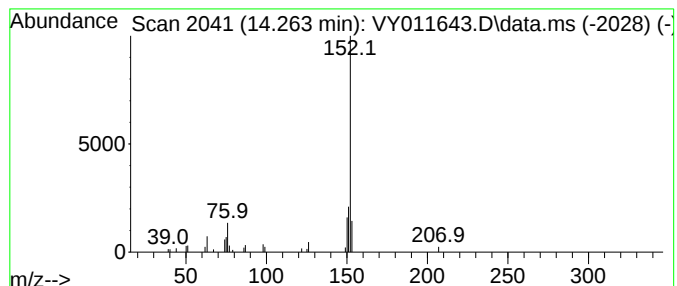
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Quant Title : SW846 8260

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

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Peak Number 6 Biphenylene Concentration Rank 2

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 14.264 | 77.90 ug/l | 47299 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Biphenylene                         | 152 | C12H8     | 000259-79-0  | 95   |
| 2    |    |   | Acenaphthylene                      | 152 | C12H8     | 000208-96-8  | 95   |
| 3    |    |   | (6Balpha,7beta,11alpha,11aalpha)... | 334 | C25H18O   | 1000241-69-8 | 72   |
| 4    |    |   | 1H-Phenalen-1-one                   | 180 | C13H8O    | 000548-39-0  | 50   |
| 5    |    |   | 1-acenaphthenol, trifluoroacetat... | 266 | C14H9F3O2 | 1000376-45-2 | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY113022\  
Data File : VY011643.D  
Acq On : 30 Nov 2022 16:02  
Operator : KP/MD  
Sample : N5819-02  
Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
Quant Title : SW846 8260

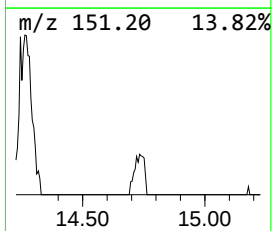
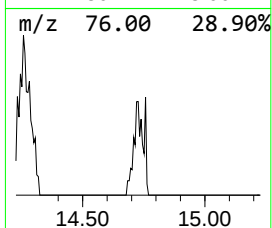
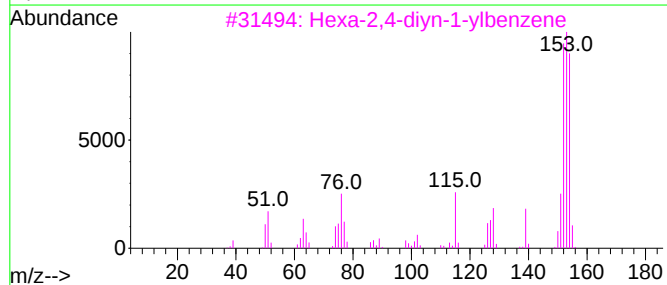
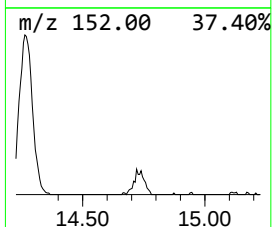
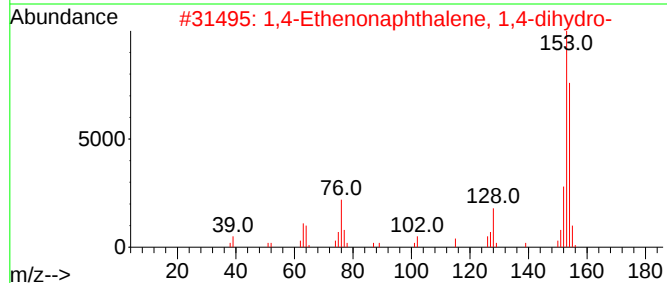
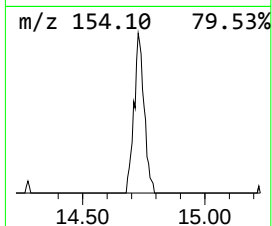
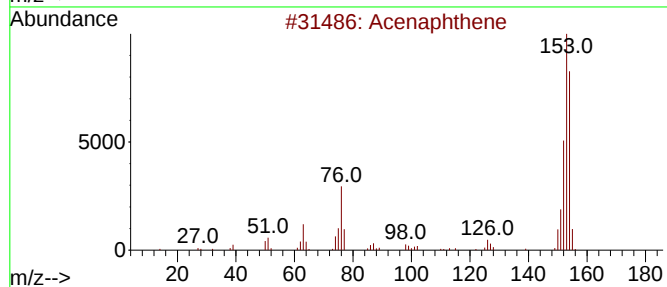
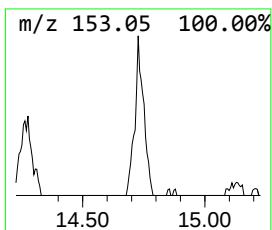
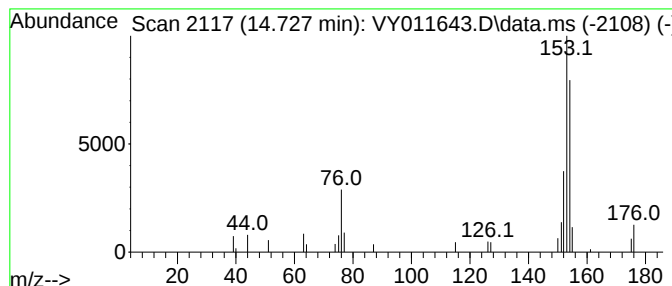
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 1,4-Ethenonaphthalene, 1,4-... Concentration Rank 4

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 14.727 | 28.35 ug/l | 17211 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Acenaphthene                        | 154 | C12H10  | 000083-32-9 | 81   |
| 2    |    |   | 1,4-Ethenonaphthalene, 1,4-dihydro- | 154 | C12H10  | 007322-47-6 | 72   |
| 3    |    |   | Hexa-2,4-diyne-1-ylbenzene          | 154 | C12H10  | 000520-74-1 | 72   |
| 4    |    |   | 3-Fluoro-para-anisaldehyde          | 154 | C8H7FO2 | 000351-54-2 | 53   |
| 5    |    |   | Naphthalene, 2-ethenyl-             | 154 | C12H10  | 000827-54-3 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY113022\  
Data File : VY011643.D  
Acq On : 30 Nov 2022 16:02  
Operator : KP/MD  
Sample : N5819-02  
Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S2

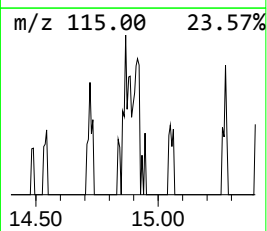
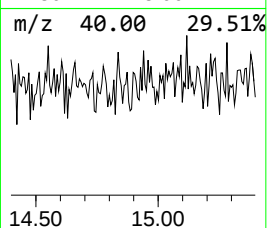
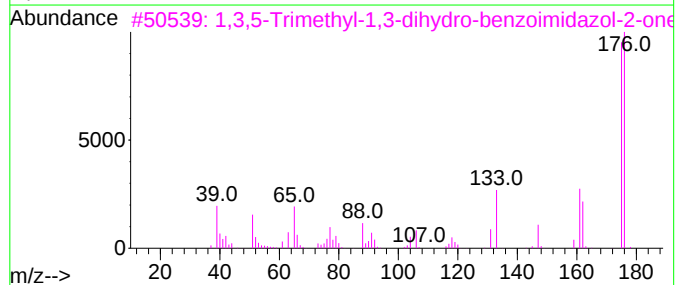
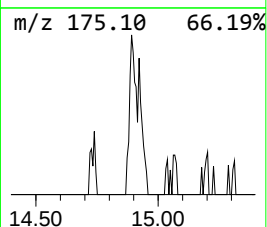
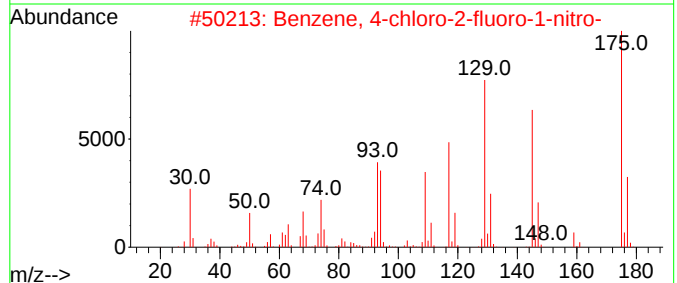
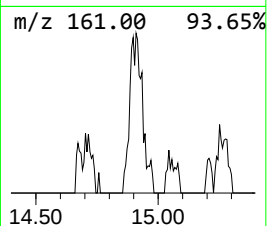
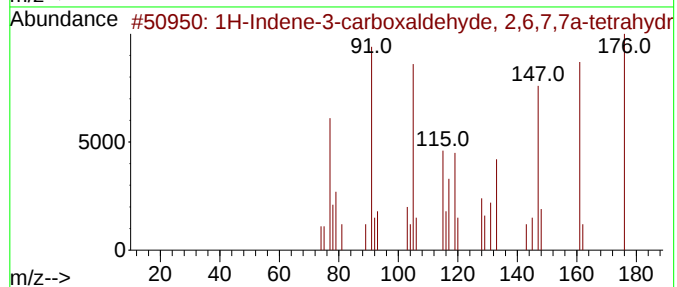
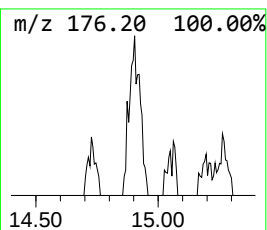
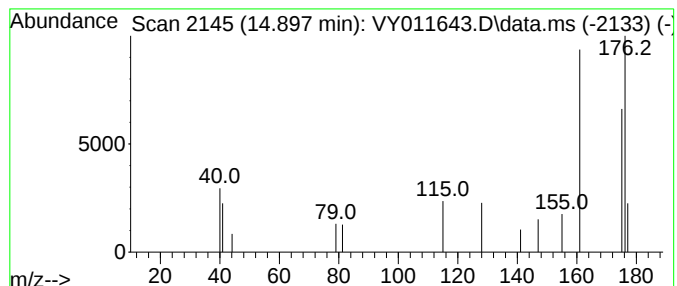
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 8 unknown14.898 Concentration Rank 8

| R.T.   | EstConc    | Area | Relative to ISTD       | R.T.   |
|--------|------------|------|------------------------|--------|
| 14.898 | 15.52 ug/l | 9422 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm    | CAS#         | Qual |
|------|----|---|--------------------------------------|-----|------------|--------------|------|
| 1    |    |   | 1H-Indene-3-carboxaldehyde, 2,6,...  | 176 | C12H16O    | 063767-07-7  | 28   |
| 2    |    |   | Benzene, 4-chloro-2-fluoro-1-nitro-  | 175 | C6H3ClFNO2 | 000700-37-8  | 9    |
| 3    |    |   | 1,3,5-Trimethyl-1,3-dihydro-benz...  | 176 | C10H12N2O  | 1000294-74-6 | 9    |
| 4    |    |   | 6H-Cyclopenta[e][1,2,4]triazolo[...] | 176 | C8H8N4O    | 1010338-00-0 | 9    |
| 5    |    |   | (+)-2-Carene, 2-isopropenyl-         | 176 | C13H20     | 1000151-27-0 | 9    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY113022\  
Data File : VY011643.D  
Acq On : 30 Nov 2022 16:02  
Operator : KP/MD  
Sample : N5819-02  
Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S2

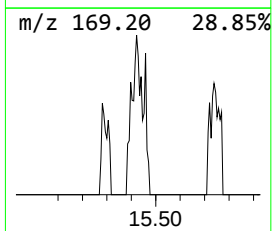
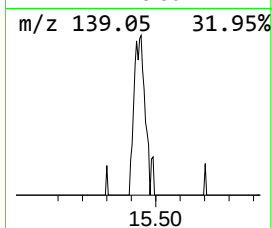
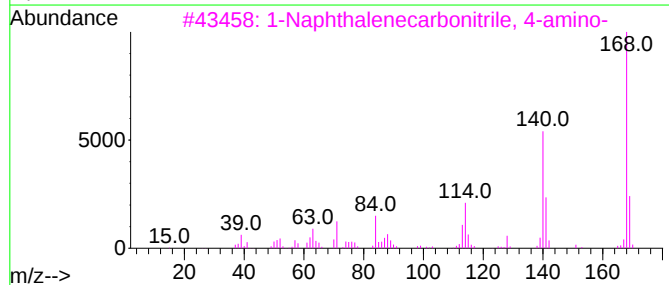
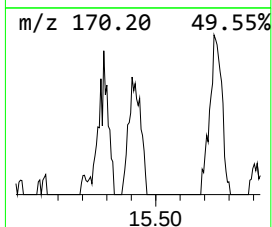
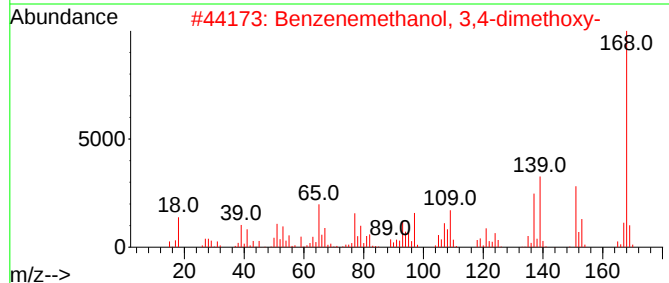
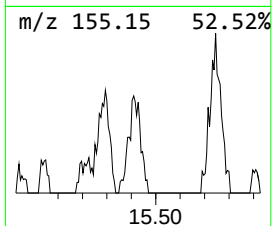
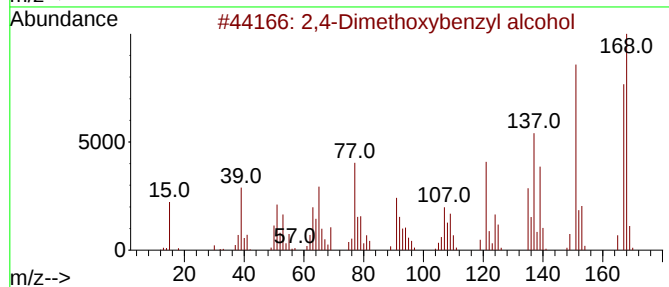
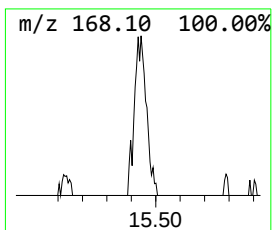
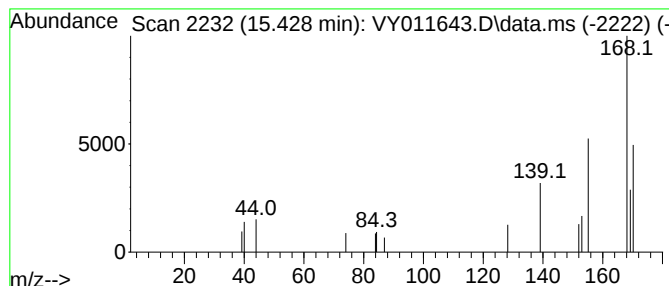
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Quant Title : SW846 8260

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

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Peak Number 9 unknown15.428 Concentration Rank 7

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 15.428 | 16.83 ug/l | 10220 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | 2,4-Dimethoxybenzyl alcohol         | 168 | C9H12O3  | 007314-44-5  | 38   |
| 2    |    |   | Benzenemethanol, 3,4-dimethoxy-     | 168 | C9H12O3  | 000093-03-8  | 37   |
| 3    |    |   | 1-Naphthalenecarbonitrile, 4-amino- | 168 | C11H8N2  | 058728-64-6  | 25   |
| 4    |    |   | 1-Naphthalen-1-yl-ethylideneamine   | 169 | C12H11N  | 1000187-76-0 | 9    |
| 5    |    |   | 6,7-Dihydro-2-methylamino-4H-oxa... | 168 | C6H8N4O2 | 081287-23-2  | 9    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY113022\  
Data File : VY011643.D  
Acq On : 30 Nov 2022 16:02  
Operator : KP/MD  
Sample : N5819-02  
Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
Quant Title : SW846 8260

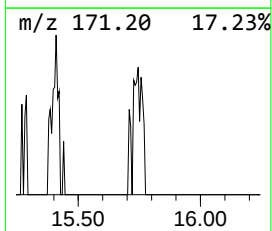
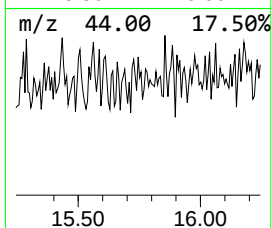
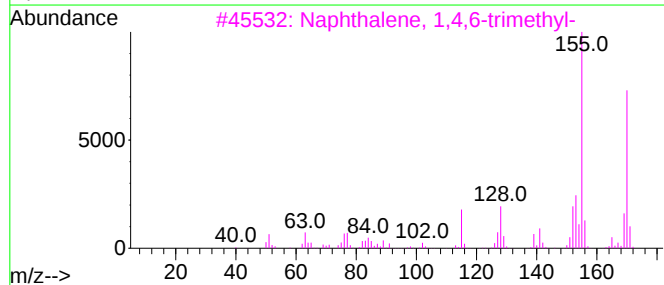
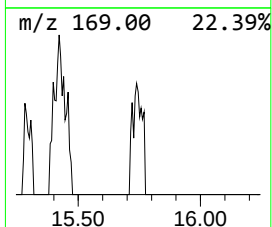
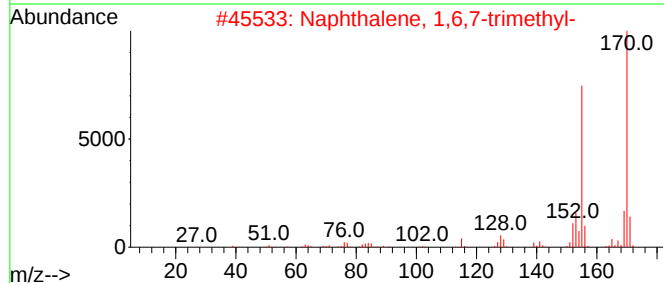
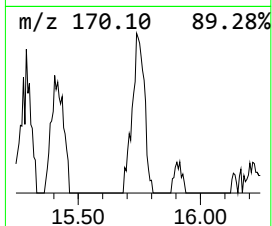
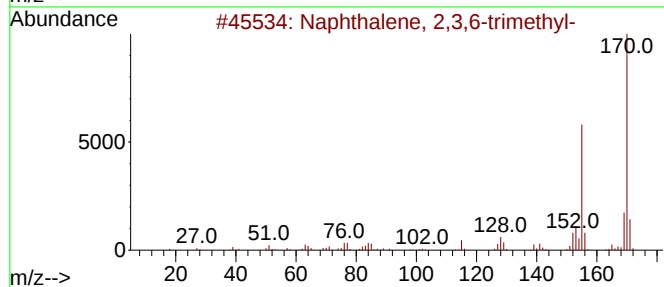
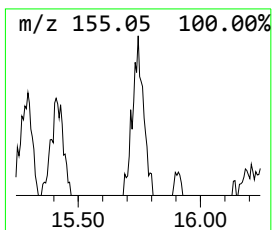
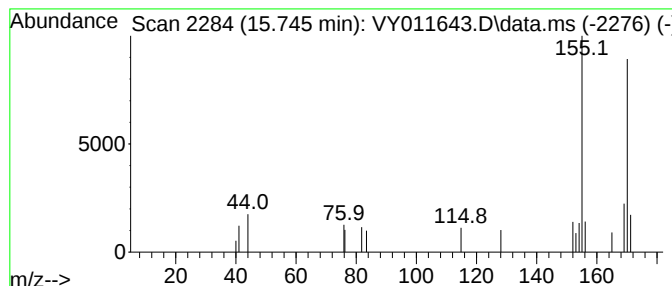
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Naphthalene, 2,3,6-trimethyl- Concentration Rank 6

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 15.745 | 18.15 ug/l | 11020 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm | CAS#         | Qual |
|------|----|---|---------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene, 2,3,6-trimethyl-   | 170 | C13H14  | 000829-26-5  | 90   |
| 2    |    |   | Naphthalene, 1,6,7-trimethyl-   | 170 | C13H14  | 002245-38-7  | 87   |
| 3    |    |   | Naphthalene, 1,4,6-trimethyl-   | 170 | C13H14  | 002131-42-2  | 80   |
| 4    |    |   | 4,6,8-Trimethylazulene          | 170 | C13H14  | 000941-81-1  | 72   |
| 5    |    |   | 3-(2-Methyl-propenyl)-1H-indene | 170 | C13H14  | 1000187-78-5 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY113022\  
Data File : VY011643.D  
Acq On : 30 Nov 2022 16:02  
Operator : KP/MD  
Sample : N5819-02  
Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.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 |
| Nonane             | 11.709 | 12.5    | ug/l  | 9693     | 3                     | 11.490 | 38719 | 50.0 |
| Naphthalene, 1,... | 12.959 | 110.4   | ug/l  | 67058    | 4                     | 13.428 | 30359 | 50.0 |
| Naphthalene, 1,... | 13.562 | 29.7    | ug/l  | 18014    | 4                     | 13.428 | 30359 | 50.0 |
| unknown13.654      | 13.654 | 26.6    | ug/l  | 16124    | 4                     | 13.428 | 30359 | 50.0 |
| Naphthalene, 1,... | 14.026 | 12.4    | ug/l  | 7544     | 4                     | 13.428 | 30359 | 50.0 |
| Biphenylene        | 14.264 | 77.9    | ug/l  | 47299    | 4                     | 13.428 | 30359 | 50.0 |
| 1,4-Ethenonapht... | 14.727 | 28.4    | ug/l  | 17211    | 4                     | 13.428 | 30359 | 50.0 |
| unknown14.898      | 14.898 | 15.5    | ug/l  | 9422     | 4                     | 13.428 | 30359 | 50.0 |
| unknown15.428      | 15.428 | 16.8    | ug/l  | 10220    | 4                     | 13.428 | 30359 | 50.0 |
| Naphthalene, 2,... | 15.745 | 18.1    | ug/l  | 11020    | 4                     | 13.428 | 30359 | 50.0 |