

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070121\  
 Data File : VY005316.D  
 Acq On : 01 Jul 2021 16:02  
 Operator : SY/MD  
 Sample : M2793-06  
 Misc : 5.01G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-6

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\82Y062221S.M  
 Title : SW846 8260

Signal : TIC: VY005316.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         | 3.954       | 341           | 350         | 358          | rBV      | 1409           | 3636          | 1.41%           | 0.189%        |
| 2         | 4.216       | 382           | 393         | 401          | rBV3     | 2575           | 7963          | 3.08%           | 0.414%        |
| 3         | 4.728       | 467           | 477         | 489          | rVB2     | 9900           | 31662         | 12.24%          | 1.648%        |
| 4         | 5.753       | 638           | 645         | 655          | rBV5     | 2267           | 6942          | 2.68%           | 0.361%        |
| 5         | 7.728       | 960           | 969         | 974          | rBV      | 32825          | 76390         | 29.53%          | 3.976%        |
| 6         | 7.795       | 974           | 980         | 992          | rVB      | 65352          | 150011        | 58.00%          | 7.809%        |
| 7         | 8.149       | 1026          | 1038        | 1047         | rBV2     | 27288          | 64083         | 24.78%          | 3.336%        |
| 8         | 8.697       | 1119          | 1128        | 1136         | rBV      | 90411          | 178660        | 69.07%          | 9.300%        |
| 9         | 10.185      | 1364          | 1372        | 1383         | rBV      | 145561         | 258650        | 100.00%         | 13.464%       |
| 10        | 10.581      | 1432          | 1437        | 1443         | rVB2     | 3674           | 6881          | 2.66%           | 0.358%        |
| 11        | 11.197      | 1528          | 1538        | 1539         | rBV8     | 2628           | 6061          | 2.34%           | 0.315%        |
| 12        | 11.496      | 1580          | 1587        | 1596         | rVB      | 122926         | 208767        | 80.71%          | 10.867%       |
| 13        | 11.703      | 1616          | 1621        | 1622         | rBV5     | 2059           | 3519          | 1.36%           | 0.183%        |
| 14        | 12.410      | 1722          | 1737        | 1738         | rBV4     | 17812          | 56416         | 21.81%          | 2.937%        |
| 15        | 12.483      | 1744          | 1749        | 1764         | rVB2     | 124992         | 254323        | 98.33%          | 13.238%       |
| 16        | 12.971      | 1808          | 1829        | 1838         | rBV3     | 38145          | 202197        | 78.17%          | 10.525%       |
| 17        | 13.093      | 1842          | 1849        | 1850         | rBV5     | 4598           | 10618         | 4.11%           | 0.553%        |
| 18        | 13.264      | 1873          | 1877        | 1878         | rBV4     | 3517           | 4036          | 1.56%           | 0.210%        |
| 19        | 13.337      | 1885          | 1889        | 1898         | rVV10    | 6601           | 13548         | 5.24%           | 0.705%        |
| 20        | 13.428      | 1898          | 1904        | 1911         | rVB      | 113255         | 176165        | 68.11%          | 9.170%        |
| 21        | 13.587      | 1919          | 1930        | 1934         | rBV10    | 5284           | 17947         | 6.94%           | 0.934%        |
| 22        | 13.672      | 1937          | 1944        | 1947         | rBV7     | 8335           | 22884         | 8.85%           | 1.191%        |
| 23        | 13.965      | 1982          | 1992        | 1997         | rBV3     | 11721          | 29964         | 11.58%          | 1.560%        |
| 24        | 14.050      | 1999          | 2006        | 2021         | rVB6     | 15461          | 58694         | 22.69%          | 3.055%        |
| 25        | 14.568      | 2087          | 2091        | 2093         | rBV4     | 2684           | 4214          | 1.63%           | 0.219%        |
| 26        | 14.903      | 2133          | 2146        | 2149         | rBV7     | 4355           | 17705         | 6.85%           | 0.922%        |
| 27        | 15.056      | 2168          | 2171        | 2178         | rVB9     | 3969           | 7794          | 3.01%           | 0.406%        |
| 28        | 15.245      | 2196          | 2202        | 2204         | rVB7     | 1818           | 2892          | 1.12%           | 0.151%        |
| 29        | 15.318      | 2209          | 2214        | 2221         | rVB7     | 7829           | 16318         | 6.31%           | 0.849%        |
| 30        | 15.403      | 2224          | 2228        | 2229         | rBV4     | 3637           | 4710          | 1.82%           | 0.245%        |
| 31        | 16.141      | 2343          | 2349        | 2354         | rBV9     | 4106           | 9231          | 3.57%           | 0.481%        |
| 32        | 16.208      | 2356          | 2360        | 2365         | rVV7     | 2433           | 4399          | 1.70%           | 0.229%        |
| 33        | 16.489      | 2405          | 2406        | 2412         | rVB6     | 3506           | 3831          | 1.48%           | 0.199%        |

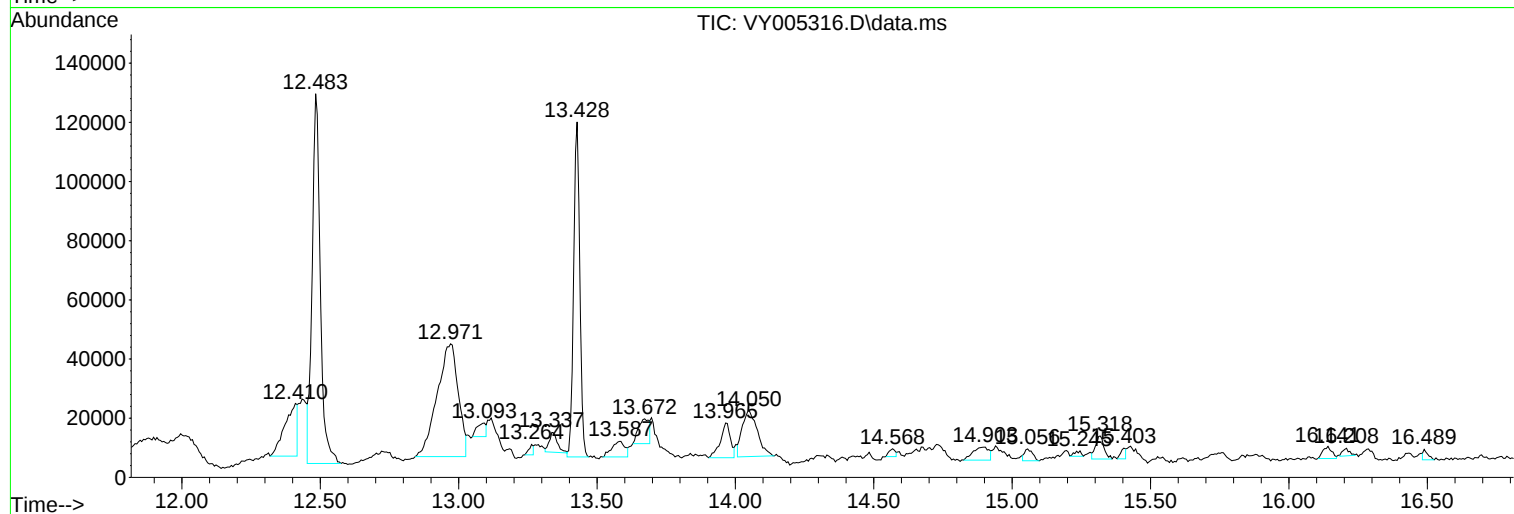
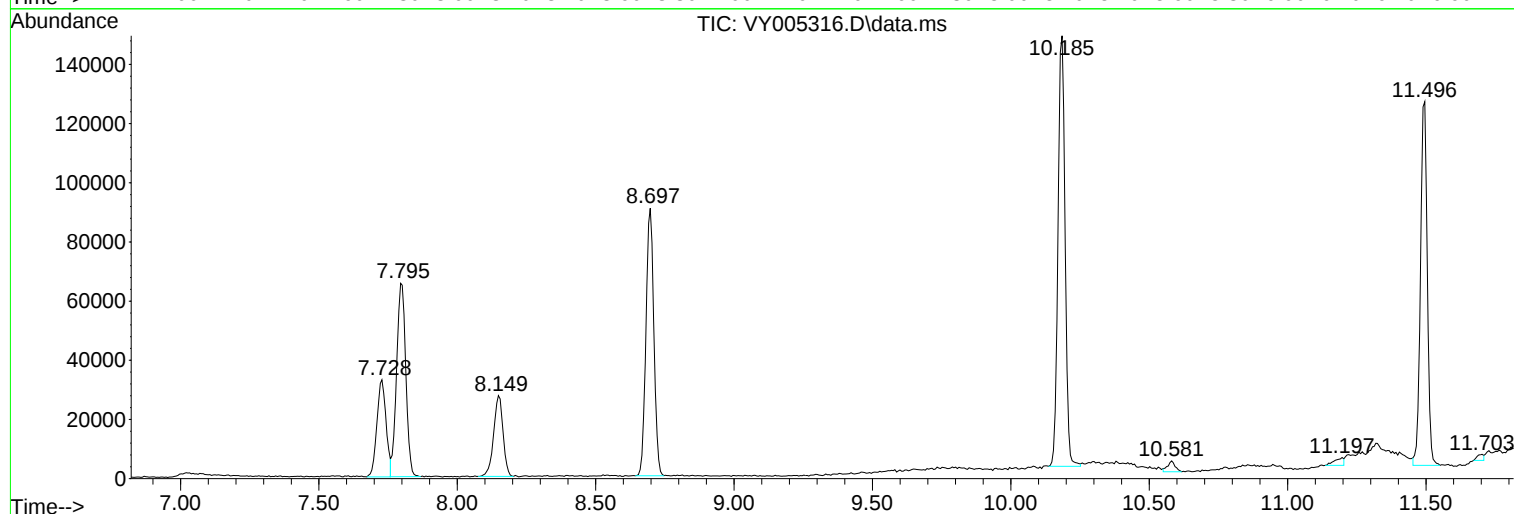
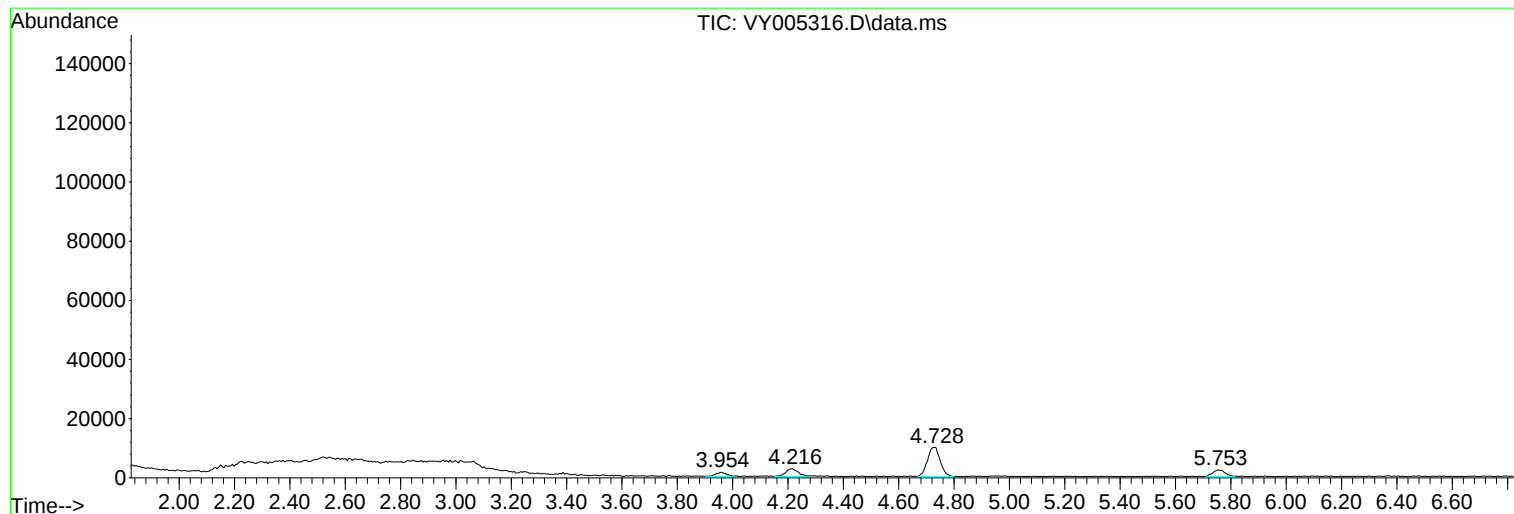
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070121\  
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Sample : M2793-06  
Misc : 5.01G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Quant Title : SW846 8260

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



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Misc : 5.01G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-6

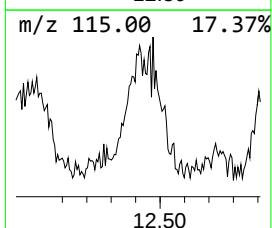
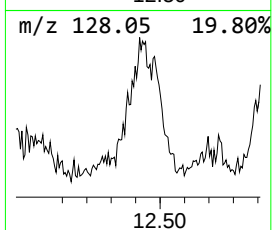
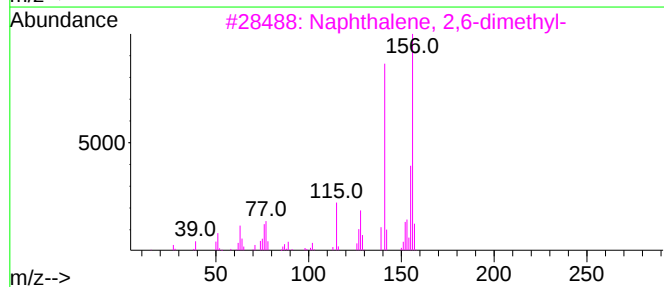
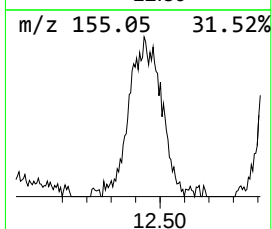
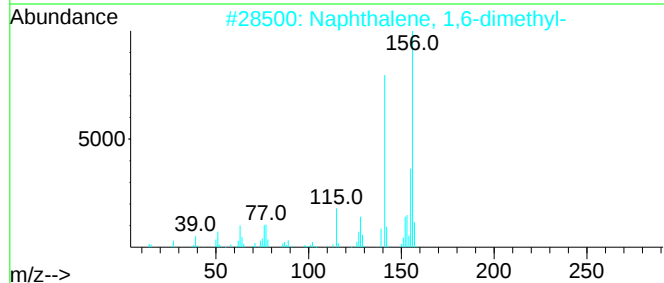
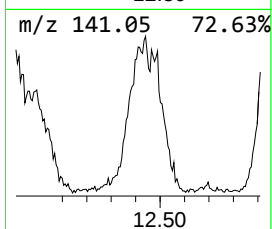
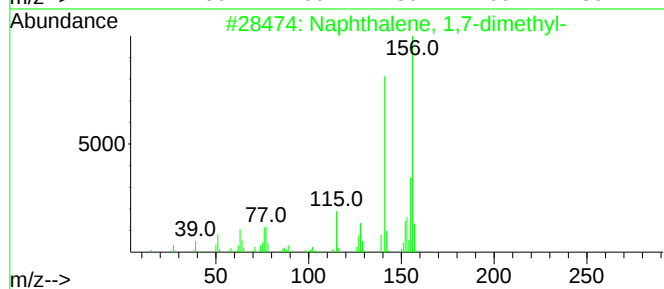
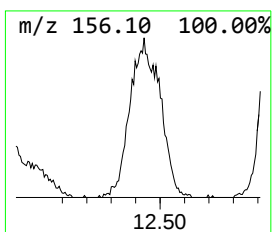
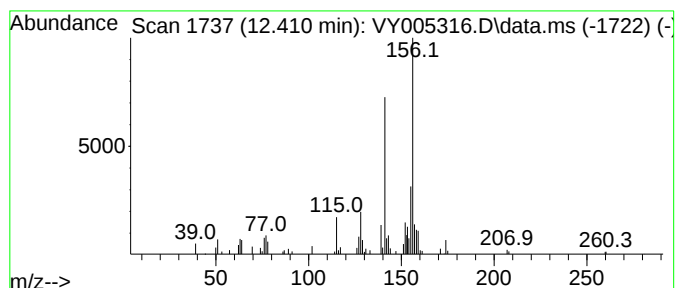
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Naphthalene, 1,7-dimethyl- Concentration Rank 3

| R.T.   | EstConc    | Area  | Relative to ISTD | R.T.   |
|--------|------------|-------|------------------|--------|
| 12.410 | 13.51 ug/l | 56416 | Chlorobenzene-d5 | 11.496 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 96   |
| 2    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 96   |
| 3    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 95   |
| 4    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 94   |
| 5    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 93   |



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Misc : 5.01G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-6

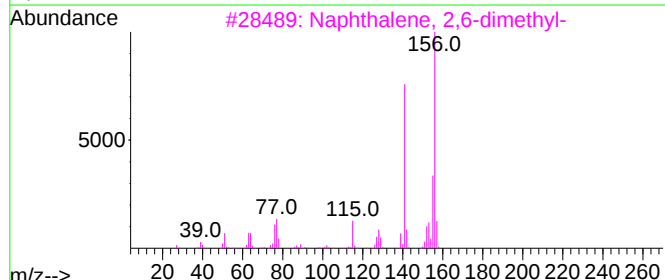
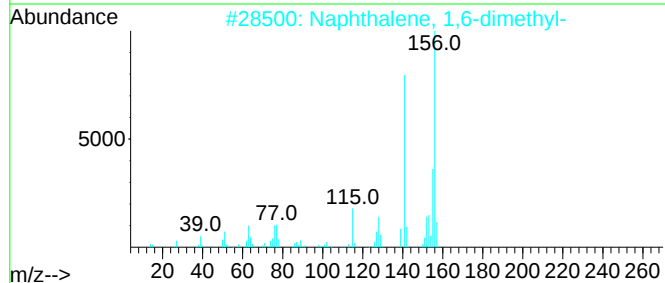
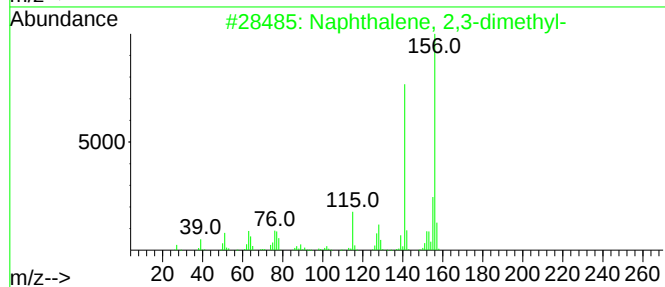
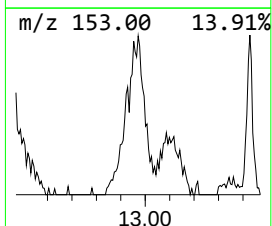
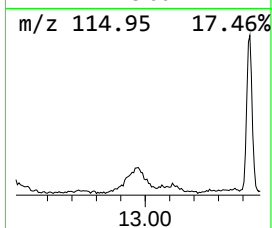
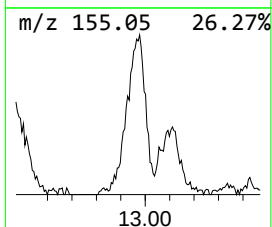
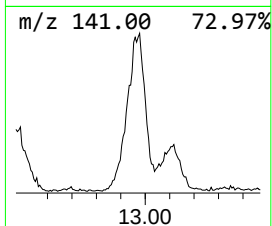
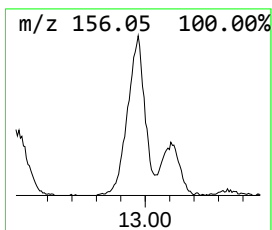
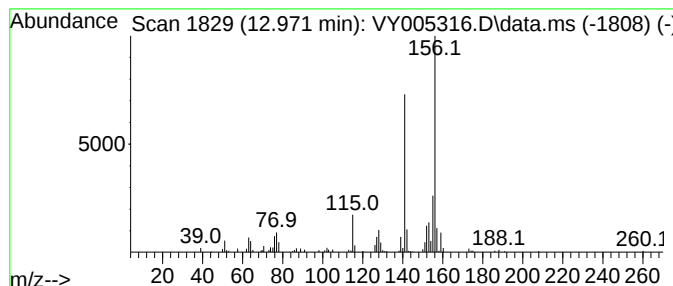
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Quant Title : SW846 8260

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

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

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.971 | 57.39 ug/l | 202197 | 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 | 97   |
| 2    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |
| 3    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 97   |
| 4    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 96   |
| 5    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 96   |



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Sample : M2793-06  
Misc : 5.01G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampled :  
SB-6

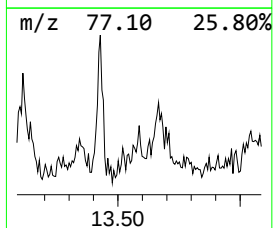
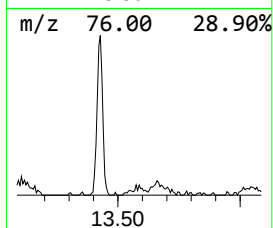
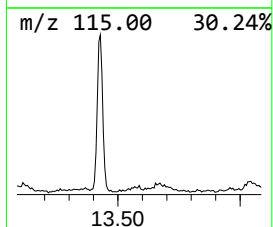
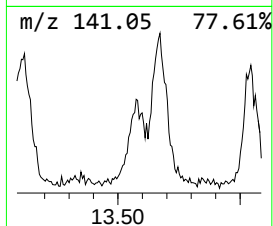
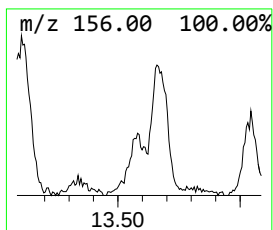
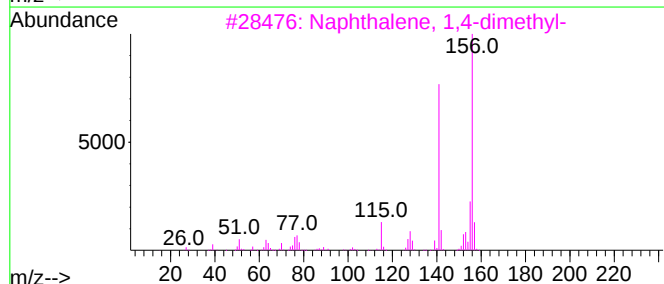
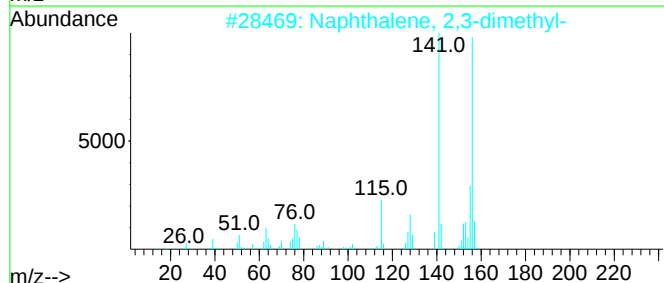
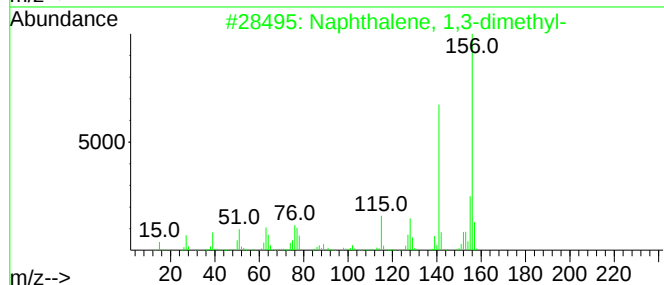
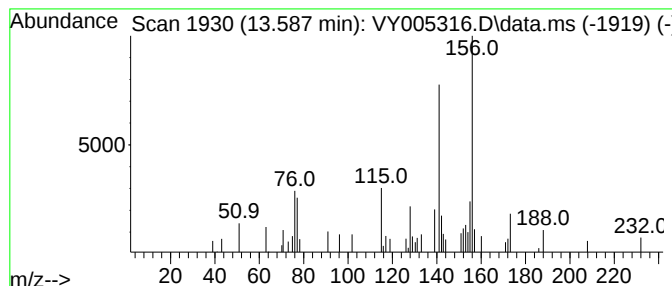
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Quant Title : SW846 8260

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

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

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.587 | 5.09 ug/l | 17947 | 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 | 90   |
| 2    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 81   |
| 3    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 81   |
| 4    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 74   |
| 5    |    |   | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 74   |



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Misc : 5.01G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-6

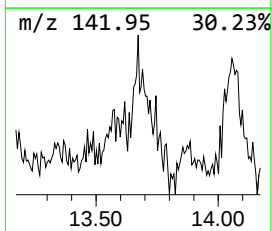
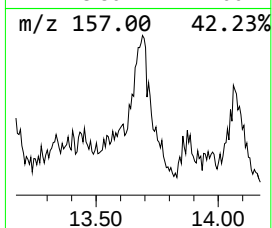
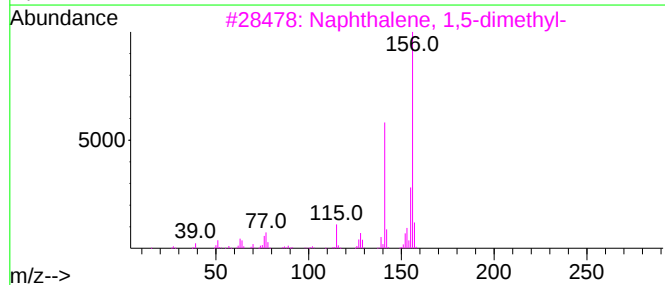
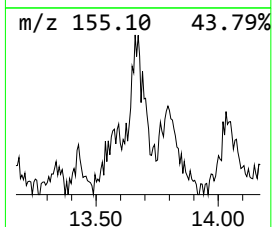
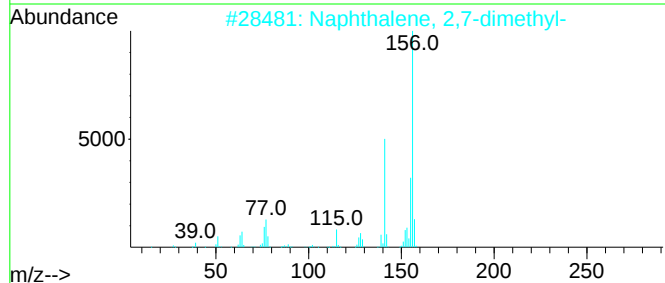
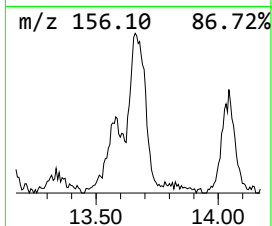
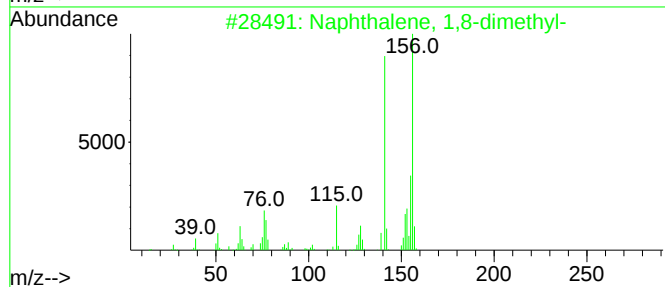
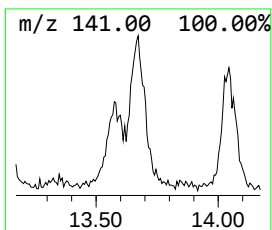
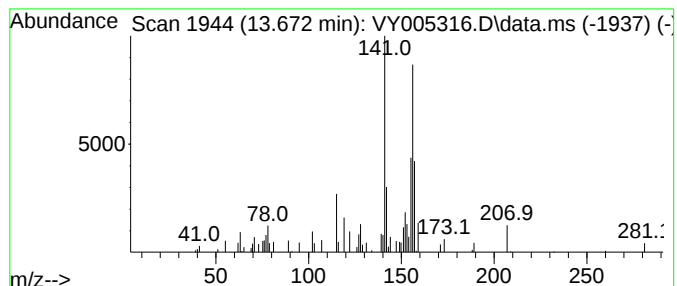
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Quant Title : SW846 8260

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

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Peak Number 4 Naphthalene, 1,8-dimethyl- Concentration Rank 5

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.672 | 6.50 ug/l | 22884 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,8-dimethyl- | 156 | C12H12  | 000569-41-5 | 70   |
| 2    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 64   |
| 3    |    |   | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 64   |
| 4    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 64   |
| 5    |    |   | Naphthalene, 1,2-dimethyl- | 156 | C12H12  | 000573-98-8 | 64   |



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Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Quant Title : SW846 8260

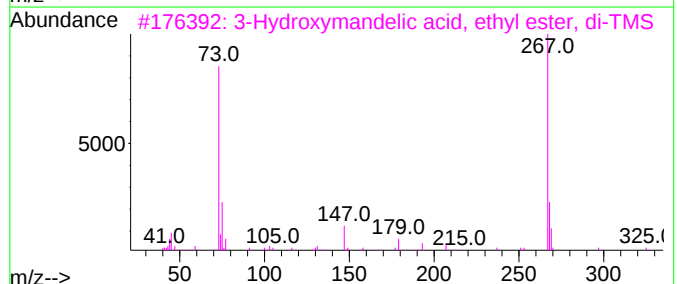
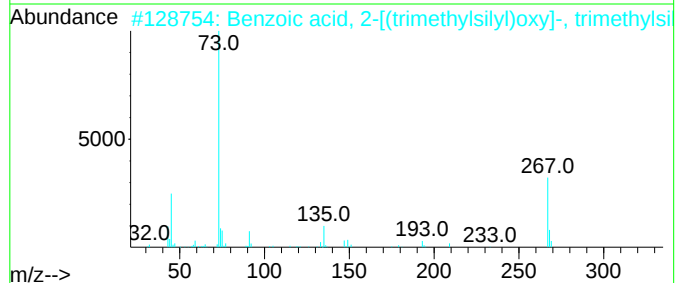
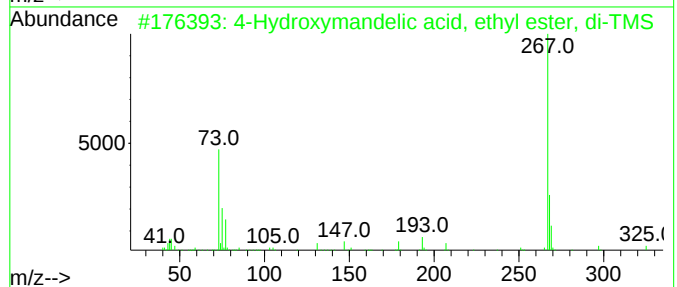
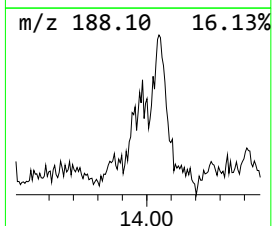
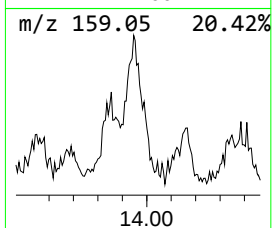
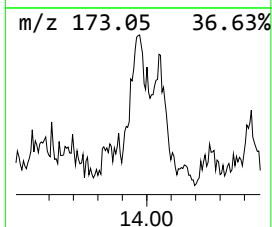
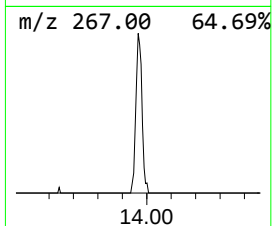
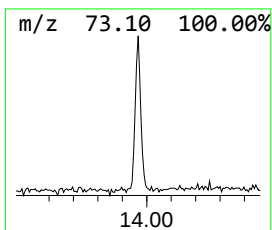
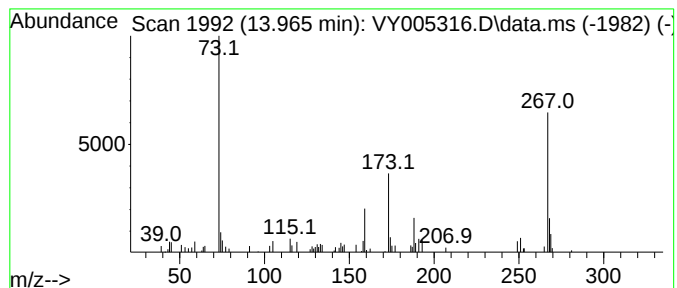
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 unknown13.965 Concentration Rank 4

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.965 | 8.50 ug/l | 29964 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm       | CAS#         | Qual |
|------|----|---|--------------------------------------|-----|---------------|--------------|------|
| 1    |    |   | 4-Hydroxymandelic acid, ethyl es...  | 340 | C16H28O4Si2   | 1000071-53-3 | 37   |
| 2    |    |   | Benzoic acid, 2-[(trimethylsilyl...] | 282 | C13H22O3Si2   | 003789-85-3  | 32   |
| 3    |    |   | 3-Hydroxymandelic acid, ethyl es...  | 340 | C16H28O4Si2   | 1000071-88-9 | 32   |
| 4    |    |   | Butanamide, 2,2,3,3,4,4,4-heptaf...  | 493 | C18H26F7N3Si2 | 055471-01-7  | 32   |
| 5    |    |   | 2-(Trimethylsilyl)amino-4-methyl...  | 267 | C13H25NOSi2   | 1000373-28-1 | 27   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070121\  
Data File : VY005316.D  
Acq On : 01 Jul 2021 16:02  
Operator : SY/MD  
Sample : M2793-06  
Misc : 5.01G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Quant Title : SW846 8260

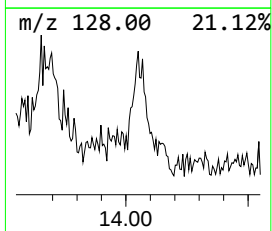
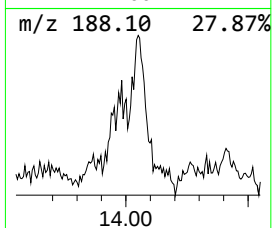
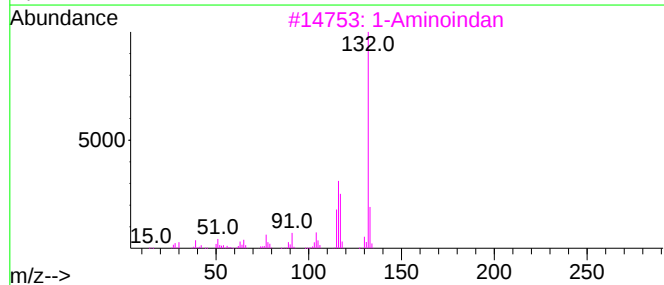
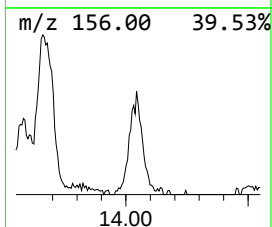
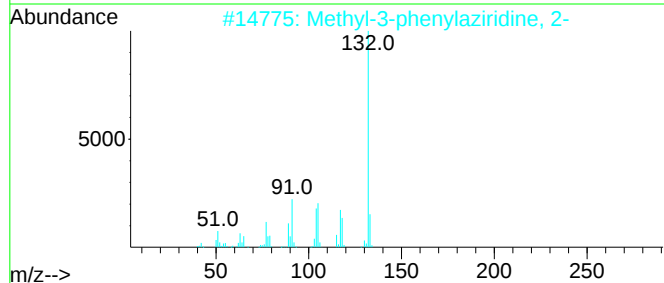
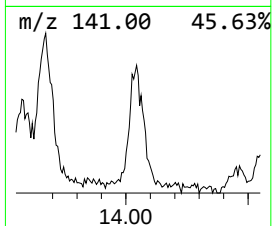
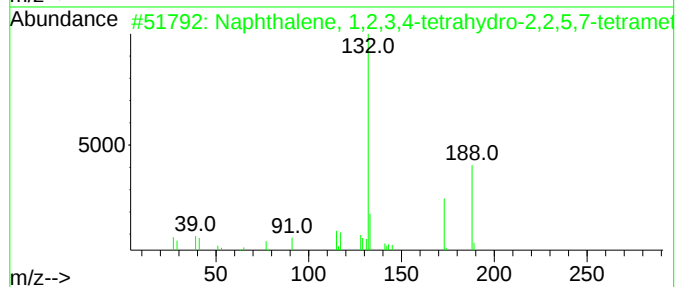
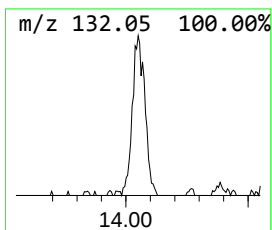
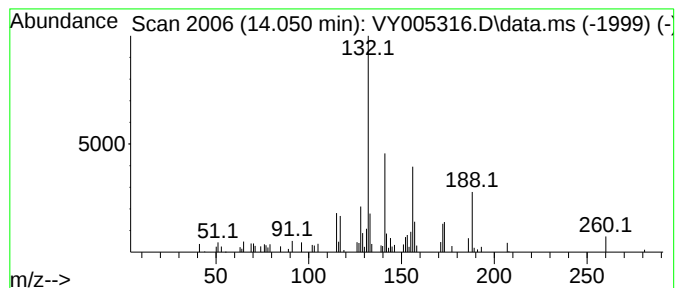
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 unknown14.050 Concentration Rank 2

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 14.050 | 16.66 ug/l | 58694 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 188 | C14H20   | 023342-25-8 | 38   |
| 2    |    |   | Methyl-3-phenylaziridine, 2-        | 133 | C9H11N   | 007763-71-5 | 14   |
| 3    |    |   | 1-Aminoindan                        | 133 | C9H11N   | 034698-41-4 | 14   |
| 4    |    |   | Benzene, 4-ethenyl-1,2-dimethyl-    | 132 | C10H12   | 027831-13-6 | 12   |
| 5    |    |   | 1,9-.alpha.,2,3,4,5,6-Pentahydro... | 242 | C16H18O2 | 004945-18-0 | 12   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070121\  
Data File : VY005316.D  
Acq On : 01 Jul 2021 16:02  
Operator : SY/MD  
Sample : M2793-06  
Misc : 5.01G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Quant Title : SW846 8260

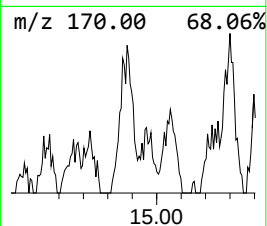
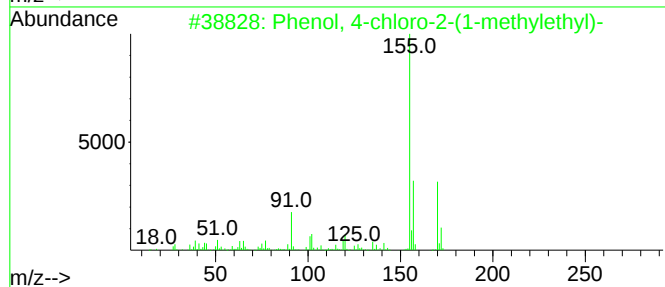
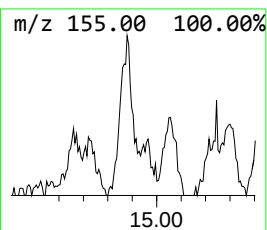
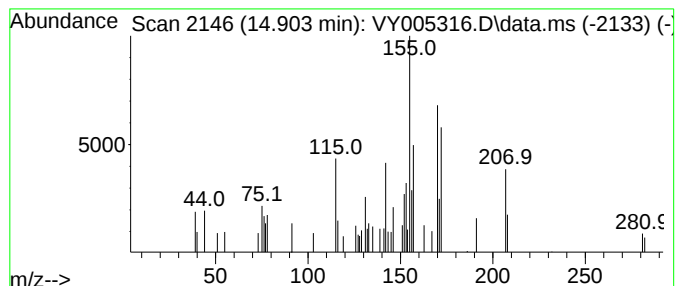
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 unknown14.903 Concentration Rank 7

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.903 | 5.03 ug/l | 17705 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Phenol, 4-chloro-2-(1-methylethyl)- | 170 | C9H11ClO | 054461-05-1 | 46   |
| 2    |    |   | Ethanone, 1-(6-chloro-2-hydroxyp... | 170 | C8H7ClO2 | 055736-04-4 | 43   |
| 3    |    |   | Naphthalene, 1,4,6-trimethyl-       | 170 | C13H14   | 002131-42-2 | 42   |
| 4    |    |   | Naphthalene, 1,4,5-trimethyl-       | 170 | C13H14   | 002131-41-1 | 42   |
| 5    |    |   | Naphthalene, 1,6,7-trimethyl-       | 170 | C13H14   | 002245-38-7 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070121\  
Data File : VY005316.D  
Acq On : 01 Jul 2021 16:02  
Operator : SY/MD  
Sample : M2793-06  
Misc : 5.01G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Quant Title : SW846 8260

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Naphthalene, 1,... | 12.410 | 13.5    | ug/l  | 56416    | 3                     | 11.496 | 208767 | 50.0 |
| Naphthalene, 2,... | 12.971 | 57.4    | ug/l  | 202197   | 4                     | 13.428 | 176165 | 50.0 |
| Naphthalene, 1,... | 13.587 | 5.1     | ug/l  | 17947    | 4                     | 13.428 | 176165 | 50.0 |
| Naphthalene, 1,... | 13.672 | 6.5     | ug/l  | 22884    | 4                     | 13.428 | 176165 | 50.0 |
| unknown13.965      | 13.965 | 8.5     | ug/l  | 29964    | 4                     | 13.428 | 176165 | 50.0 |
| unknown14.050      | 14.050 | 16.7    | ug/l  | 58694    | 4                     | 13.428 | 176165 | 50.0 |
| unknown14.903      | 14.903 | 5.0     | ug/l  | 17705    | 4                     | 13.428 | 176165 | 50.0 |