

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081023\  
 Data File : VY015030.D  
 Acq On : 10 Aug 2023 16:16  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

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\82Y080723S.M  
 Title : SW846 8260

Signal : TIC: VY015030.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         | 2.558       | 107           | 121         | 122          | rBV7     | 8881           | 25878         | 1.67%           | 0.198%        |
| 2         | 3.948       | 339           | 349         | 361          | rBV      | 25390          | 72983         | 4.71%           | 0.560%        |
| 3         | 4.692       | 459           | 471         | 488          | rVB      | 37080          | 122980        | 7.93%           | 0.943%        |
| 4         | 4.911       | 494           | 507         | 528          | rBV2     | 66677          | 268889        | 17.34%          | 2.062%        |
| 5         | 5.728       | 629           | 641         | 650          | rBV4     | 10676          | 35368         | 2.28%           | 0.271%        |
| 6         | 7.009       | 841           | 851         | 866          | rBV      | 9041           | 35365         | 2.28%           | 0.271%        |
| 7         | 7.710       | 955           | 966         | 972          | rBV      | 181318         | 448391        | 28.91%          | 3.439%        |
| 8         | 7.783       | 972           | 978         | 990          | rVB      | 314751         | 716800        | 46.22%          | 5.498%        |
| 9         | 8.136       | 1022          | 1036        | 1048         | rBV      | 197379         | 474706        | 30.61%          | 3.641%        |
| 10        | 8.350       | 1062          | 1071        | 1081         | rBV2     | 16759          | 38028         | 2.45%           | 0.292%        |
| 11        | 8.685       | 1118          | 1126        | 1138         | rBV      | 483065         | 967072        | 62.36%          | 7.418%        |
| 12        | 8.966       | 1166          | 1172        | 1180         | rVB      | 9326           | 19151         | 1.23%           | 0.147%        |
| 13        | 9.557       | 1261          | 1269        | 1275         | rVB2     | 10540          | 20633         | 1.33%           | 0.158%        |
| 14        | 9.996       | 1330          | 1341        | 1347         | rBV2     | 7455           | 15694         | 1.01%           | 0.120%        |
| 15        | 10.173      | 1362          | 1370        | 1377         | rBV      | 772370         | 1322695       | 85.29%          | 10.145%       |
| 16        | 10.234      | 1377          | 1380        | 1387         | rVB      | 17817          | 31514         | 2.03%           | 0.242%        |
| 17        | 10.575      | 1423          | 1436        | 1443         | rBV2     | 65063          | 127518        | 8.22%           | 0.978%        |
| 18        | 10.916      | 1484          | 1492        | 1493         | rBV3     | 9897           | 15938         | 1.03%           | 0.122%        |
| 19        | 10.947      | 1493          | 1497        | 1506         | rVB      | 25965          | 47509         | 3.06%           | 0.364%        |
| 20        | 11.313      | 1551          | 1557        | 1563         | rVB      | 24192          | 42059         | 2.71%           | 0.323%        |
| 21        | 11.483      | 1577          | 1585        | 1593         | rBV      | 750938         | 1236152       | 79.71%          | 9.482%        |
| 22        | 11.587      | 1597          | 1602        | 1612         | rVB      | 85609          | 138517        | 8.93%           | 1.062%        |
| 23        | 11.697      | 1612          | 1620        | 1628         | rBV      | 52791          | 98339         | 6.34%           | 0.754%        |
| 24        | 12.026      | 1668          | 1674        | 1682         | rVB      | 34123          | 59584         | 3.84%           | 0.457%        |
| 25        | 12.325      | 1713          | 1723        | 1728         | rBV2     | 18362          | 37031         | 2.39%           | 0.284%        |
| 26        | 12.477      | 1742          | 1748        | 1759         | rVB2     | 705560         | 1133843       | 73.11%          | 8.697%        |
| 27        | 12.733      | 1784          | 1790        | 1793         | rBV      | 85093          | 141518        | 9.13%           | 1.085%        |
| 28        | 12.764      | 1793          | 1795        | 1799         | rVV      | 54056          | 69914         | 4.51%           | 0.536%        |
| 29        | 12.806      | 1799          | 1802        | 1808         | rVV3     | 37815          | 59593         | 3.84%           | 0.457%        |
| 30        | 12.916      | 1812          | 1820        | 1823         | rVV7     | 11404          | 36582         | 2.36%           | 0.281%        |
| 31        | 12.965      | 1824          | 1828        | 1837         | rVB2     | 23627          | 47437         | 3.06%           | 0.364%        |
| 32        | 13.117      | 1842          | 1853        | 1857         | rVV      | 91458          | 157786        | 10.17%          | 1.210%        |
| 33        | 13.172      | 1857          | 1862        | 1869         | rVB2     | 28236          | 54494         | 3.51%           | 0.418%        |
| 34        | 13.422      | 1896          | 1903        | 1912         | rVV      | 848044         | 1326290       | 85.52%          | 10.173%       |
| 35        | 13.495      | 1912          | 1915        | 1920         | rVB2     | 17460          | 24132         | 1.56%           | 0.185%        |
| 36        | 13.623      | 1925          | 1936        | 1941         | rBV      | 454759         | 779592        | 50.27%          | 5.980%        |

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 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

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\82Y080723S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 37 | 13.751 | 1952 | 1957 | 1960 | rBV3 | 13583  | 18711   | 1.21%   | 0.144%  |
| 38 | 13.910 | 1974 | 1983 | 1987 | rBV3 | 16565  | 37919   | 2.45%   | 0.291%  |
| 39 | 13.965 | 1987 | 1992 | 1998 | rBV3 | 57570  | 94282   | 6.08%   | 0.723%  |
| 40 | 14.074 | 2005 | 2010 | 2014 | rBV2 | 19144  | 33933   | 2.19%   | 0.260%  |
| 41 | 14.208 | 2027 | 2032 | 2036 | rBV8 | 8533   | 18180   | 1.17%   | 0.139%  |
| 42 | 14.330 | 2049 | 2052 | 2056 | rVB2 | 17005  | 22964   | 1.48%   | 0.176%  |
| 43 | 14.379 | 2056 | 2060 | 2063 | rBV3 | 14570  | 18863   | 1.22%   | 0.145%  |
| 44 | 14.562 | 2084 | 2090 | 2094 | rBV  | 48805  | 73415   | 4.73%   | 0.563%  |
| 45 | 14.605 | 2094 | 2097 | 2103 | rVV3 | 16047  | 22194   | 1.43%   | 0.170%  |
| 46 | 14.672 | 2103 | 2108 | 2111 | rVV3 | 24013  | 48579   | 3.13%   | 0.373%  |
| 47 | 14.745 | 2113 | 2120 | 2128 | rVV3 | 67135  | 165604  | 10.68%  | 1.270%  |
| 48 | 14.830 | 2128 | 2134 | 2144 | rVB  | 79221  | 135837  | 8.76%   | 1.042%  |
| 49 | 14.928 | 2144 | 2150 | 2157 | rBV5 | 18490  | 42027   | 2.71%   | 0.322%  |
| 50 | 15.233 | 2189 | 2200 | 2207 | rBV  | 923716 | 1550854 | 100.00% | 11.896% |
| 51 | 15.312 | 2207 | 2213 | 2221 | rVB2 | 57930  | 113738  | 7.33%   | 0.872%  |
| 52 | 16.287 | 2366 | 2373 | 2381 | rVB  | 99112  | 196961  | 12.70%  | 1.511%  |
| 53 | 16.482 | 2396 | 2405 | 2415 | rVB2 | 89886  | 193245  | 12.46%  | 1.482%  |

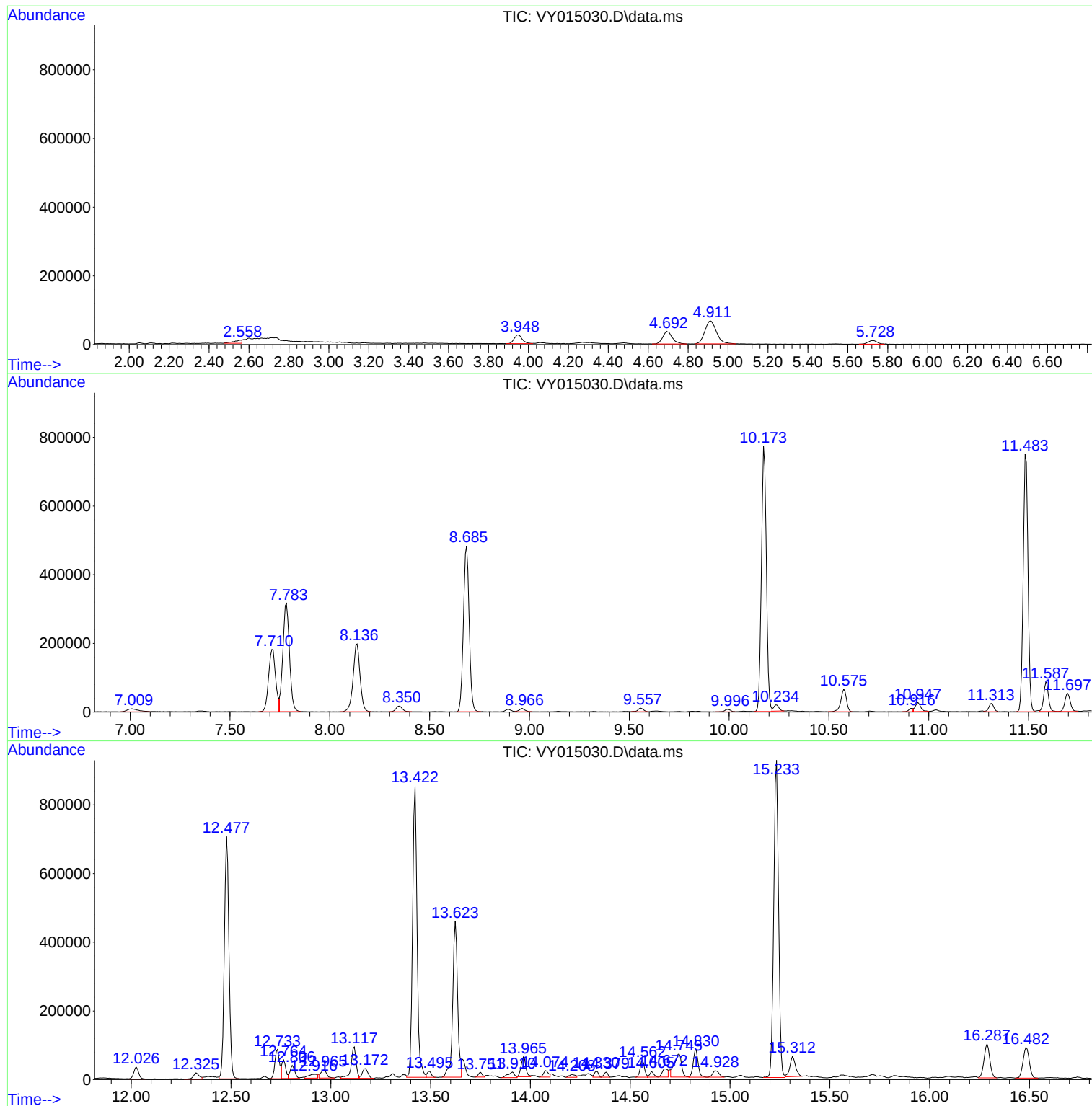
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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080723S.M  
Quant Title : SW846 8260

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



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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

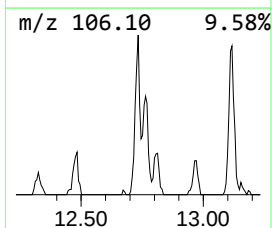
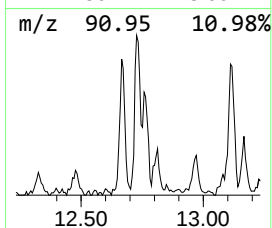
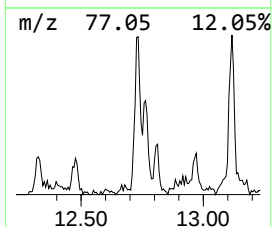
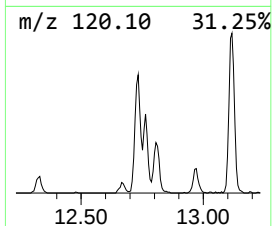
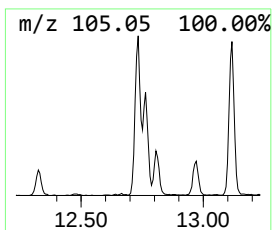
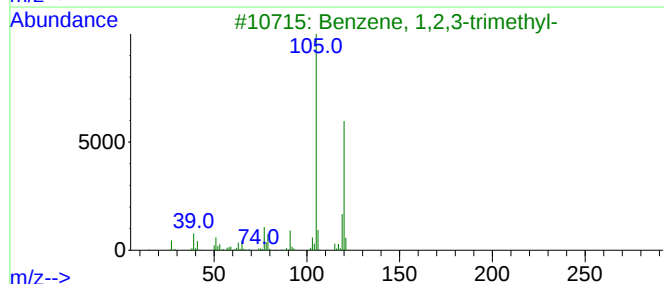
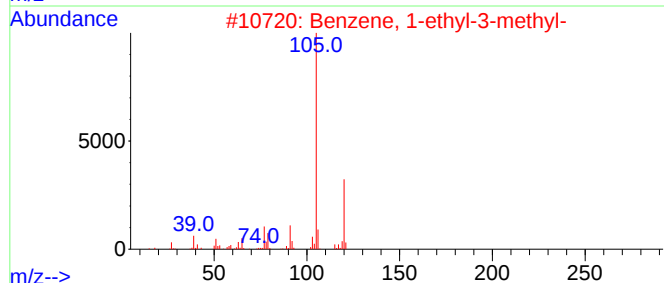
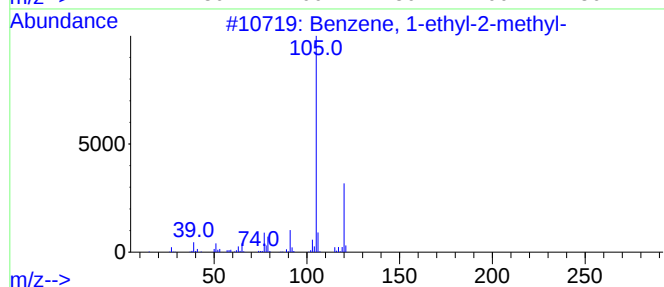
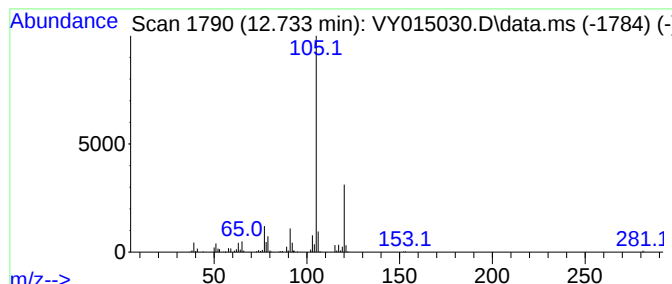
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080723S.M  
Quant Title : SW846 8260

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

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Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.733 | 5.34 ug/l | 141518 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 2    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 94   |
| 3    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 91   |
| 4    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 5    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |



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Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080723S.M  
Quant Title : SW846 8260

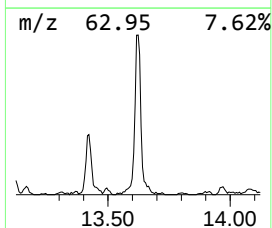
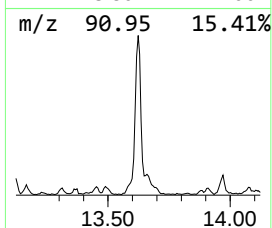
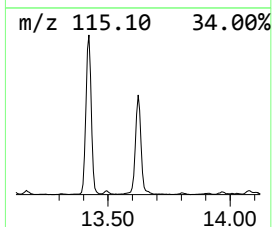
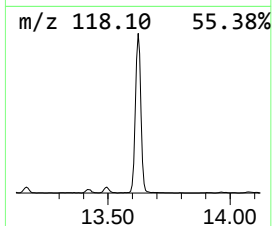
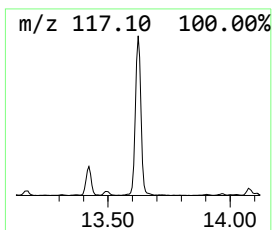
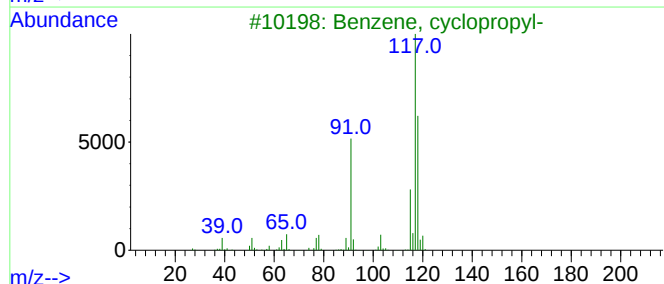
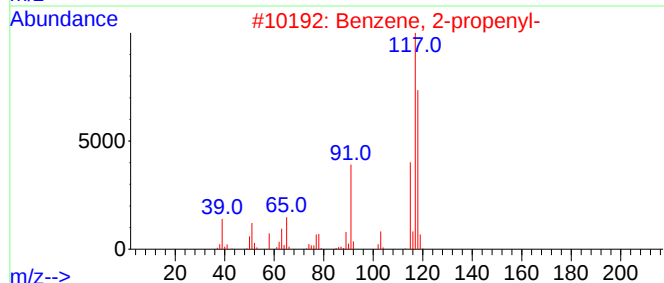
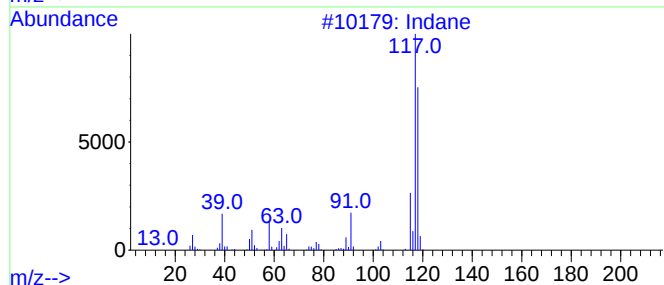
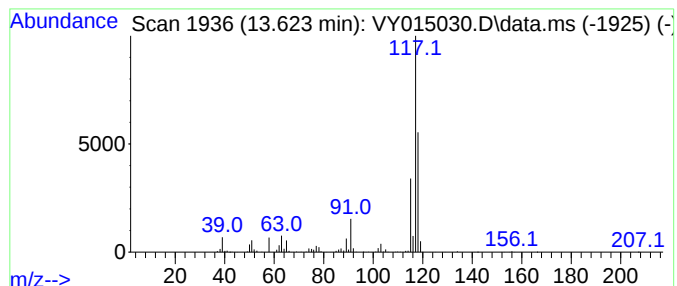
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Indane Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.623 | 29.39 ug/l | 779592 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Indane                       | 118 | C9H10   | 000496-11-7 | 90   |
| 2    |    |   | Benzene, 2-propenyl-         | 118 | C9H10   | 000300-57-2 | 83   |
| 3    |    |   | Benzene, cyclopropyl-        | 118 | C9H10   | 000873-49-4 | 83   |
| 4    |    |   | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10   | 000611-15-4 | 72   |
| 5    |    |   | Deltacyclene                 | 118 | C9H10   | 007785-10-6 | 72   |



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Instrument :  
MSVOA\_Y  
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VIBLK

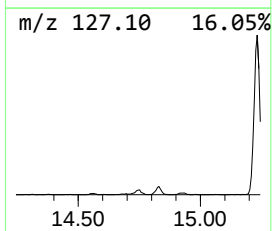
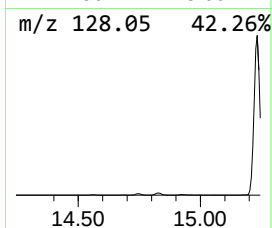
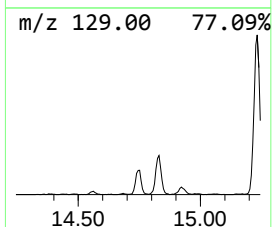
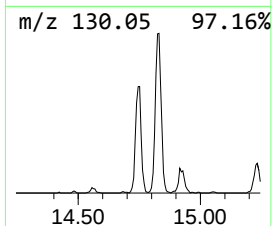
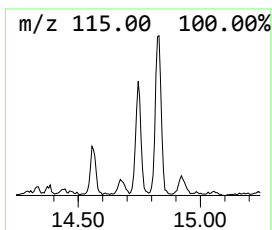
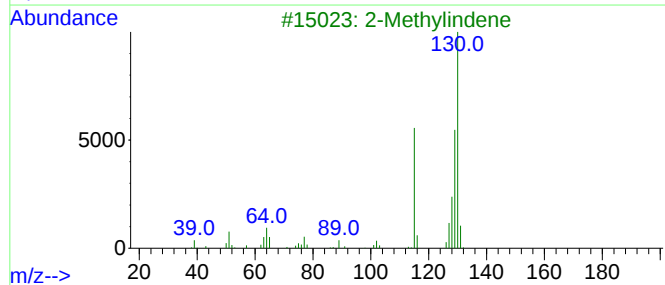
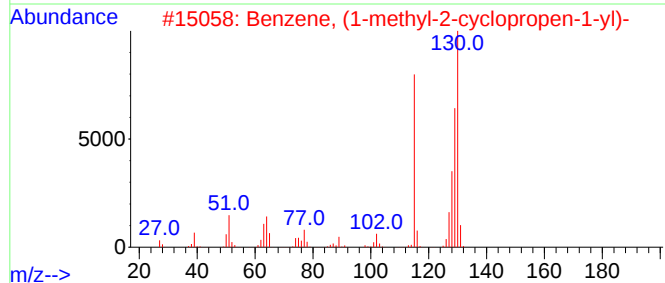
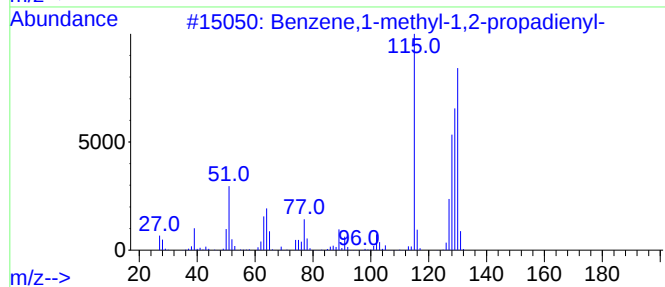
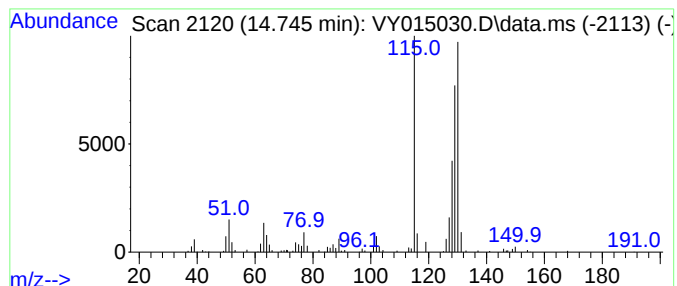
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080723S.M  
Quant Title : SW846 8260

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

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Peak Number 6 Benzene,1-methyl-1,2-propad... Concentration Rank 7

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.745 | 6.24 ug/l | 165604 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene,1-methyl-1,2-propadienyl-   | 130 | C10H10  | 022433-39-2 | 93   |
| 2    |    |   | Benzene, (1-methyl-2-cyclopropen... | 130 | C10H10  | 065051-83-4 | 93   |
| 3    |    |   | 2-Methylindene                      | 130 | C10H10  | 002177-47-1 | 93   |
| 4    |    |   | Benzene, 1-butyryl-                 | 130 | C10H10  | 000622-76-4 | 90   |
| 5    |    |   | Cycloprop[a]indene, 1,1a,6,6a-te... | 130 | C10H10  | 015677-15-3 | 86   |



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MSVOA\_Y  
ClientSampleId :  
VIBLK

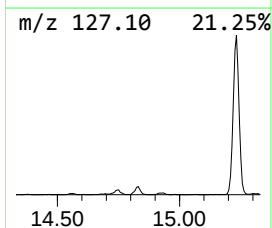
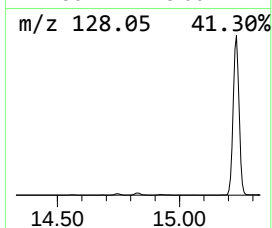
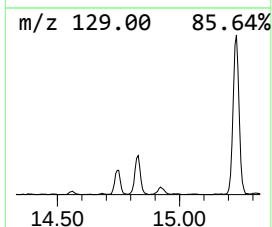
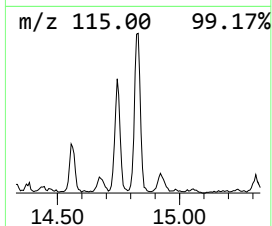
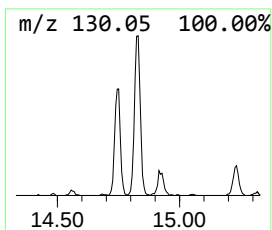
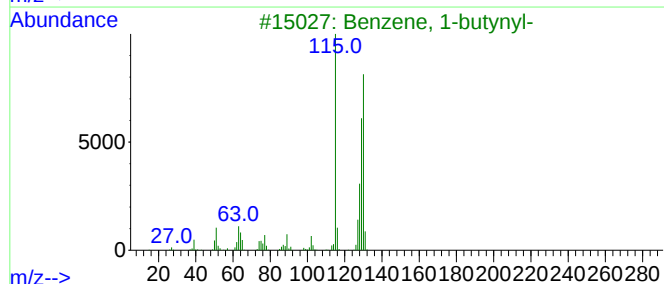
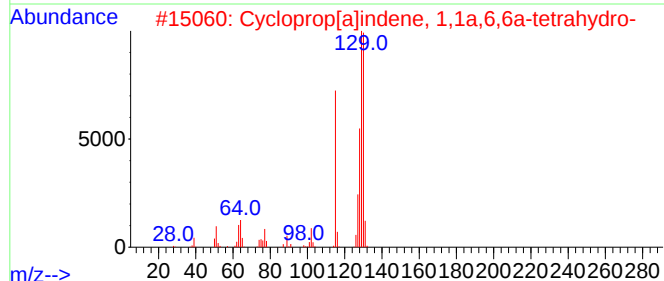
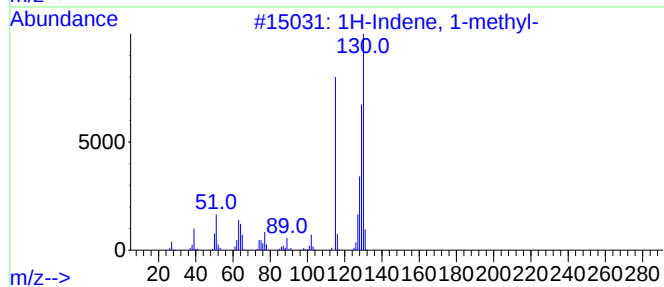
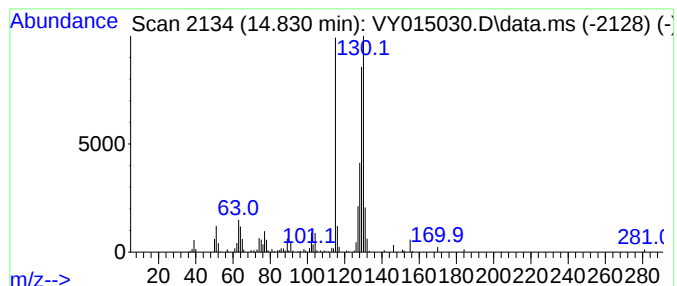
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Quant Title : SW846 8260

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

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Peak Number 7 1H-Indene, 1-methyl- Concentration Rank 10

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.830 | 5.12 ug/l | 135837 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, 1-methyl-                | 130 | C10H10  | 000767-59-9 | 93   |
| 2    |    |   | Cycloprop[a]indene, 1,1a,6,6a-te... | 130 | C10H10  | 015677-15-3 | 92   |
| 3    |    |   | Benzene, 1-butynyl-                 | 130 | C10H10  | 000622-76-4 | 91   |
| 4    |    |   | 1,4-Dihydronaphthalene              | 130 | C10H10  | 000612-17-9 | 91   |
| 5    |    |   | Benzene, (1-methyl-2-cyclopropen... | 130 | C10H10  | 065051-83-4 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081023\  
Data File : VY015030.D  
Acq On : 10 Aug 2023 16:16  
Operator : SY/MD  
Sample : VIBLK  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080723S.M  
Quant Title : SW846 8260

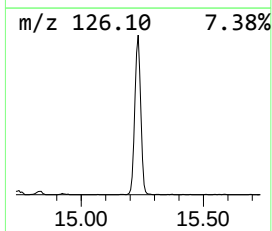
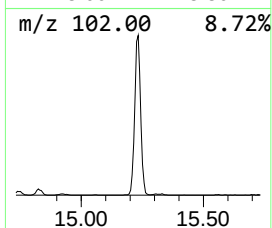
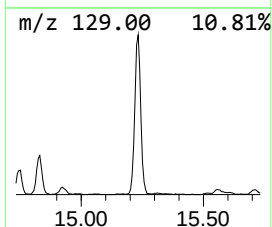
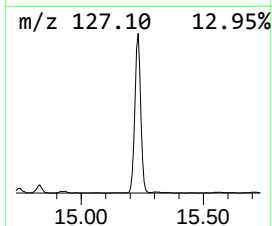
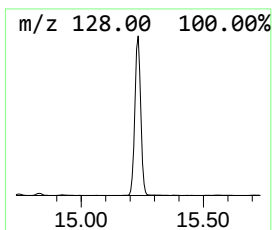
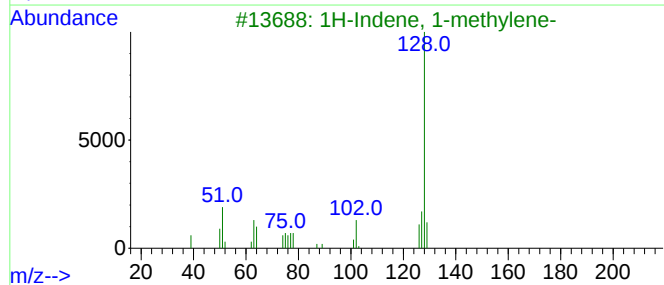
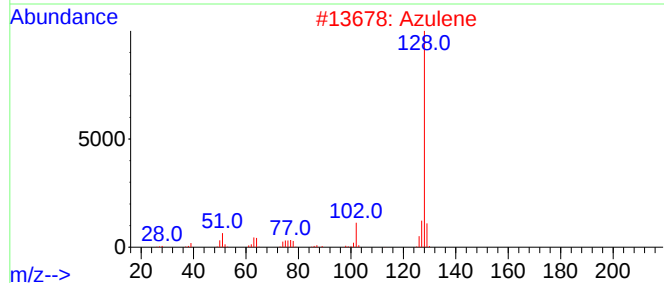
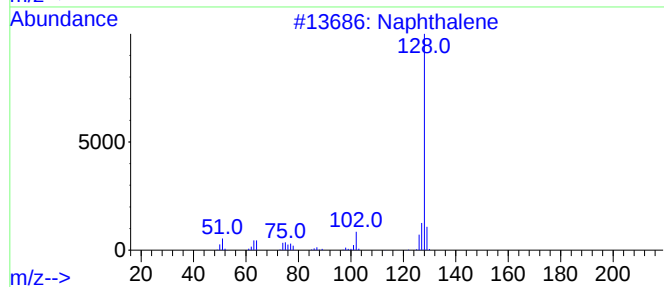
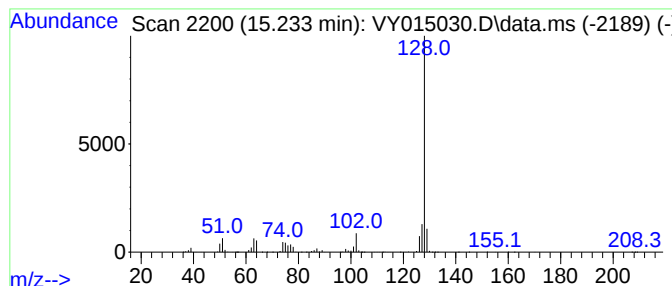
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Azulene Concentration Rank 1

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 15.233 | 58.47 ug/l | 1550850 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Naphthalene                         | 128 | C10H8     | 000091-20-3 | 95   |
| 2    |    |   | Azulene                             | 128 | C10H8     | 000275-51-4 | 94   |
| 3    |    |   | 1H-Indene, 1-methylene-             | 128 | C10H8     | 002471-84-3 | 94   |
| 4    |    |   | 4a,8a-(Methaniminomethano)naphth... | 275 | C18H13NO2 | 069915-10-2 | 83   |
| 5    |    |   | 1,3-Dicyanobenzene                  | 128 | C8H4N2    | 000626-17-5 | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081023\  
Data File : VY015030.D  
Acq On : 10 Aug 2023 16:16  
Operator : SY/MD  
Sample : VIBLK  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

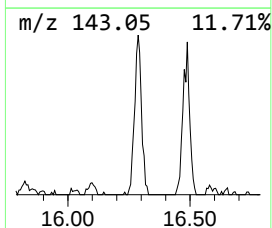
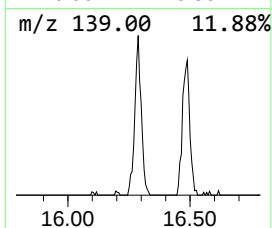
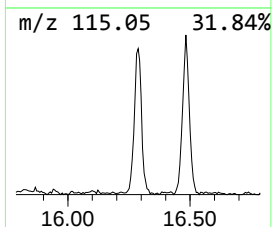
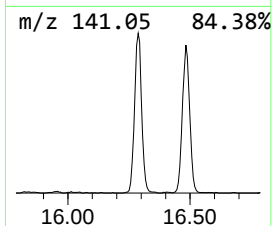
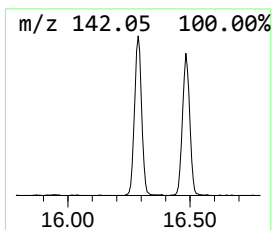
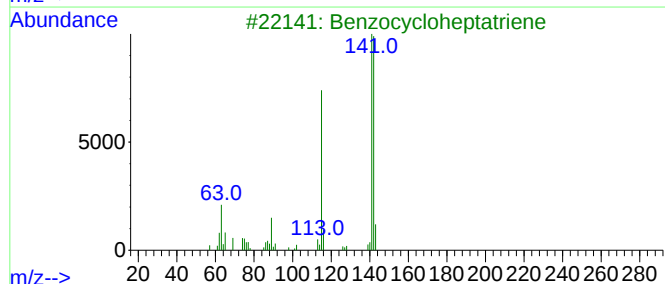
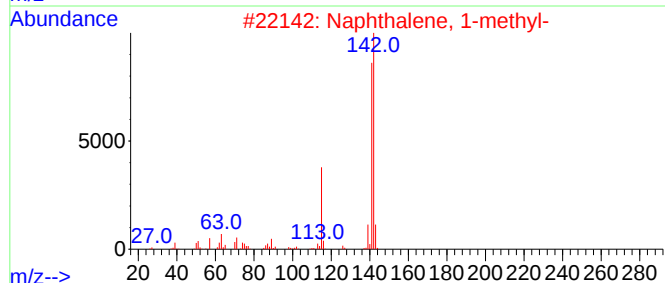
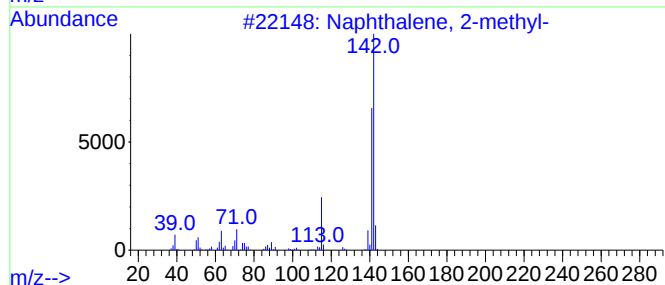
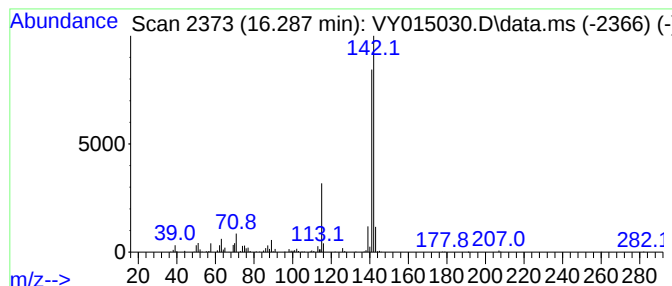
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Quant Title : SW846 8260

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

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Peak Number 9 Benzocycloheptatriene Concentration Rank 5

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 16.287 | 7.43 ug/l | 196961 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-methyl-   | 142 | C11H10  | 000091-57-6 | 96   |
| 2    |    |   | Naphthalene, 1-methyl-   | 142 | C11H10  | 000090-12-0 | 96   |
| 3    |    |   | Benzocycloheptatriene    | 142 | C11H10  | 000264-09-5 | 91   |
| 4    |    |   | 1H-Indene, 1-ethylidene- | 142 | C11H10  | 002471-83-2 | 64   |
| 5    |    |   | 1-Naphthaleneethanol     | 172 | C12H12O | 000773-99-9 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081023\  
Data File : VY015030.D  
Acq On : 10 Aug 2023 16:16  
Operator : SY/MD  
Sample : VIBLK  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080723S.M  
Quant Title : SW846 8260

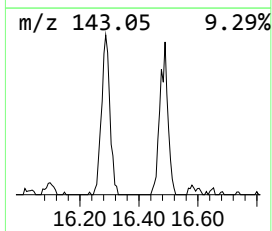
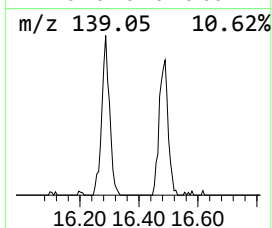
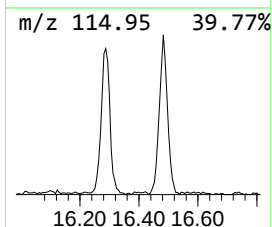
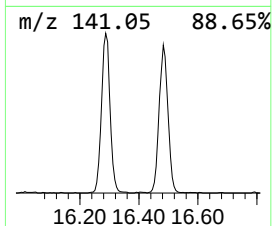
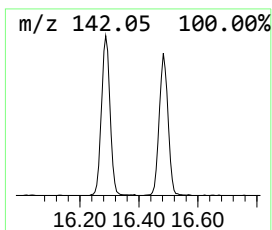
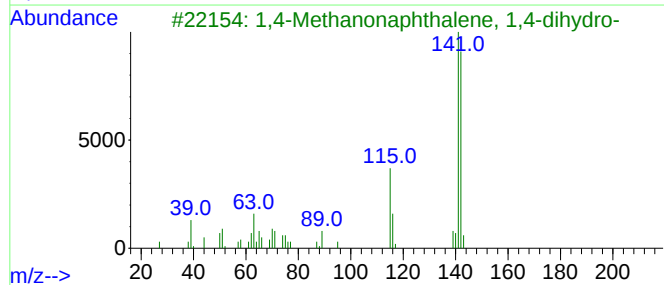
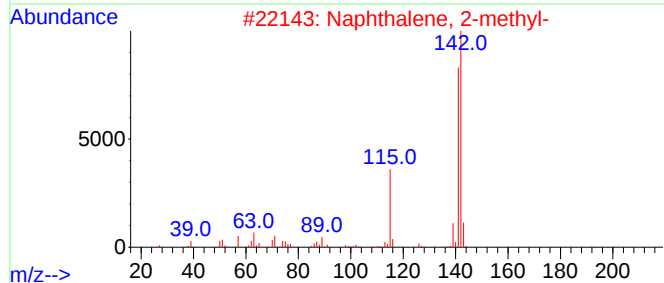
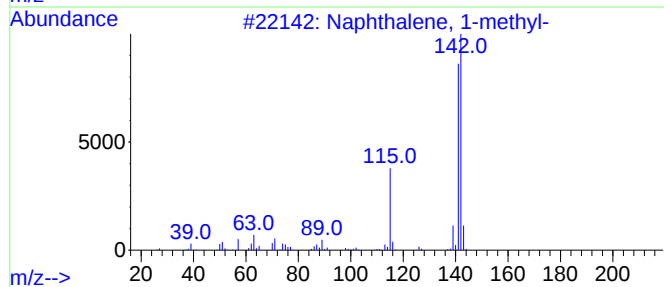
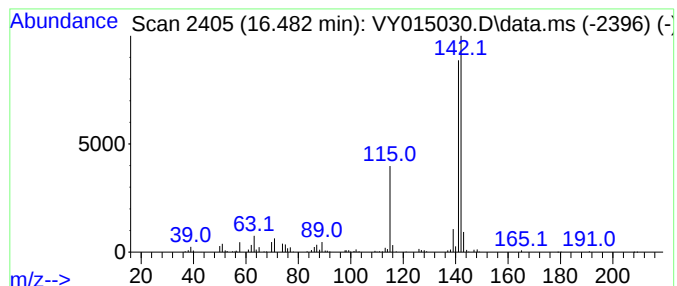
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 1,4-Methanonaphthalene, 1,4... Concentration Rank 6

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 16.483 | 7.29 ug/l | 193245 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 2    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 3    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 91   |
| 4    |    |   | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 86   |
| 5    |    |   | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081023\  
Data File : VY015030.D  
Acq On : 10 Aug 2023 16:16  
Operator : SY/MD  
Sample : VIBLK  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080723S.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 |
| Benzene, 1-ethy... | 12.733 | 5.3     | ug/l  | 141518   | 4                     | 13.422 | 1326290 | 50.0 |
| Indane             | 13.623 | 29.4    | ug/l  | 779592   | 4                     | 13.422 | 1326290 | 50.0 |
| Benzene,1-methy... | 14.745 | 6.2     | ug/l  | 165604   | 4                     | 13.422 | 1326290 | 50.0 |
| 1H-Indene, 1-me... | 14.830 | 5.1     | ug/l  | 135837   | 4                     | 13.422 | 1326290 | 50.0 |
| Azulene            | 15.233 | 58.5    | ug/l  | 1550850  | 4                     | 13.422 | 1326290 | 50.0 |
| Benzocyclohepta... | 16.287 | 7.4     | ug/l  | 196961   | 4                     | 13.422 | 1326290 | 50.0 |
| 1,4-Methanonaph... | 16.483 | 7.3     | ug/l  | 193245   | 4                     | 13.422 | 1326290 | 50.0 |