

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091119\  
 Data File : VN057922.D  
 Acq On : 11 Sep 2019 13:57  
 Operator : JC/SP  
 Sample : K4818-03  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 65 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T2-MW-4-8.0-091019

Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
 Title : SW846 8260

Signal : TIC

| 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         | 4.567       | 858           | 869         | 903          | rVB6     | 53012          | 208090        | 1.13%           | 0.137%        |
| 2         | 5.024       | 985           | 1011        | 1037         | rBV2     | 66915          | 244748        | 1.33%           | 0.161%        |
| 3         | 6.603       | 1485          | 1502        | 1518         | rBV4     | 85406          | 260573        | 1.41%           | 0.171%        |
| 4         | 7.577       | 1780          | 1805        | 1813         | rBV2     | 271419         | 708773        | 3.85%           | 0.466%        |
| 5         | 7.648       | 1814          | 1827        | 1842         | rVV4     | 562613         | 1559618       | 8.47%           | 1.026%        |
| 6         | 7.731       | 1843          | 1853        | 1872         | rVB4     | 96974          | 268027        | 1.46%           | 0.176%        |
| 7         | 7.860       | 1878          | 1893        | 1904         | rBV5     | 80767          | 202793        | 1.10%           | 0.133%        |
| 8         | 8.018       | 1925          | 1942        | 1965         | rBV2     | 412077         | 1033698       | 5.61%           | 0.680%        |
| 9         | 8.146       | 1966          | 1982        | 1993         | rVV7     | 154377         | 401489        | 2.18%           | 0.264%        |
| 10        | 8.220       | 1994          | 2005        | 2016         | rVV3     | 174098         | 477356        | 2.59%           | 0.314%        |
| 11        | 8.291       | 2018          | 2027        | 2049         | rVV3     | 142723         | 426092        | 2.31%           | 0.280%        |
| 12        | 8.574       | 2098          | 2115        | 2138         | rBV3     | 822384         | 2169488       | 11.78%          | 1.427%        |
| 13        | 8.812       | 2176          | 2189        | 2193         | rBV3     | 104670         | 194047        | 1.05%           | 0.128%        |
| 14        | 8.853       | 2194          | 2202        | 2227         | rVB      | 247066         | 531927        | 2.89%           | 0.350%        |
| 15        | 9.072       | 2243          | 2270        | 2285         | rBV2     | 654175         | 1884613       | 10.23%          | 1.240%        |
| 16        | 9.262       | 2319          | 2329        | 2342         | rVB2     | 117446         | 228679        | 1.24%           | 0.150%        |
| 17        | 9.513       | 2398          | 2407        | 2420         | rVB4     | 113737         | 223658        | 1.21%           | 0.147%        |
| 18        | 9.609       | 2420          | 2437        | 2447         | rBV2     | 657653         | 1317374       | 7.15%           | 0.867%        |
| 19        | 9.963       | 2536          | 2547        | 2571         | rVB      | 426349         | 863902        | 4.69%           | 0.568%        |
| 20        | 10.085      | 2571          | 2585        | 2600         | rBV      | 1317723        | 2572528       | 13.97%          | 1.692%        |
| 21        | 10.291      | 2630          | 2649        | 2660         | rBV5     | 163900         | 388344        | 2.11%           | 0.255%        |
| 22        | 10.516      | 2707          | 2719        | 2737         | rVB3     | 496804         | 1021823       | 5.55%           | 0.672%        |
| 23        | 10.789      | 2789          | 2804        | 2811         | rBV3     | 121461         | 252623        | 1.37%           | 0.166%        |
| 24        | 10.914      | 2836          | 2843        | 2852         | rBV      | 143701         | 209034        | 1.13%           | 0.137%        |
| 25        | 11.410      | 2985          | 2997        | 3008         | rBV      | 841280         | 1500284       | 8.14%           | 0.987%        |
| 26        | 11.509      | 3021          | 3028        | 3047         | rVB2     | 208548         | 420559        | 2.28%           | 0.277%        |
| 27        | 12.252      | 3246          | 3259        | 3272         | rBV      | 2867929        | 4613152       | 25.04%          | 3.034%        |
| 28        | 12.403      | 3293          | 3306        | 3322         | rBV      | 873663         | 1469919       | 7.98%           | 0.967%        |
| 29        | 12.593      | 3351          | 3365        | 3388         | rBV      | 4858952        | 8323953       | 45.19%          | 5.475%        |
| 30        | 12.895      | 3447          | 3459        | 3473         | rBV      | 304323         | 502137        | 2.73%           | 0.330%        |
| 31        | 13.172      | 3530          | 3545        | 3558         | rBV3     | 502810         | 1249464       | 6.78%           | 0.822%        |
| 32        | 13.348      | 3589          | 3600        | 3619         | rVB2     | 972146         | 1751643       | 9.51%           | 1.152%        |
| 33        | 13.448      | 3619          | 3631        | 3640         | rVB      | 134332         | 225244        | 1.22%           | 0.148%        |
| 34        | 13.519      | 3640          | 3653        | 3654         | rBV2     | 2911863        | 3242718       | 17.60%          | 2.133%        |

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 ALS Vial : 65 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T2-MW-4-8.0-091019

## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |          |         |         |
|----|--------|------|------|------|------|---------|----------|---------|---------|
| 35 | 13.551 | 3655 | 3663 | 3673 | rVB  | 9862434 | 17379017 | 94.35%  | 11.431% |
| 36 | 13.602 | 3673 | 3679 | 3682 | rBV2 | 473803  | 614683   | 3.34%   | 0.404%  |
| 37 | 13.680 | 3694 | 3703 | 3714 | rVB  | 666170  | 1035767  | 5.62%   | 0.681%  |
| 38 | 13.744 | 3714 | 3723 | 3735 | rVB  | 128087  | 200989   | 1.09%   | 0.132%  |
| 39 | 13.895 | 3757 | 3770 | 3780 | rBV  | 6875356 | 11089137 | 60.20%  | 7.294%  |
| 40 | 13.953 | 3780 | 3788 | 3794 | rVV  | 1997477 | 3024822  | 16.42%  | 1.990%  |
| 41 | 14.001 | 3794 | 3803 | 3817 | rVB2 | 6564591 | 11149369 | 60.53%  | 7.334%  |
| 42 | 14.072 | 3817 | 3825 | 3835 | rVB4 | 169729  | 300480   | 1.63%   | 0.198%  |
| 43 | 14.139 | 3836 | 3846 | 3854 | rBV2 | 244201  | 377141   | 2.05%   | 0.248%  |
| 44 | 14.217 | 3854 | 3870 | 3887 | rVB  | 4724161 | 7641462  | 41.49%  | 5.026%  |
| 45 | 14.300 | 3887 | 3896 | 3902 | rBV  | 310299  | 484778   | 2.63%   | 0.319%  |
| 46 | 14.438 | 3924 | 3939 | 3943 | rBV2 | 337947  | 577383   | 3.13%   | 0.380%  |
| 47 | 14.483 | 3943 | 3953 | 3964 | rVV  | 5497502 | 8945180  | 48.56%  | 5.884%  |
| 48 | 14.532 | 3964 | 3968 | 3976 | rVV  | 299688  | 402908   | 2.19%   | 0.265%  |
| 49 | 14.602 | 3976 | 3990 | 4001 | rVV3 | 9386023 | 18419761 | 100.00% | 12.116% |
| 50 | 14.664 | 4001 | 4009 | 4020 | rVB4 | 724470  | 1262758  | 6.86%   | 0.831%  |
| 51 | 14.750 | 4025 | 4036 | 4047 | rVV  | 1452524 | 2421252  | 13.14%  | 1.593%  |
| 52 | 14.856 | 4049 | 4069 | 4076 | rVV3 | 1800944 | 4336988  | 23.55%  | 2.853%  |
| 53 | 14.895 | 4077 | 4081 | 4089 | rVV  | 897175  | 1314774  | 7.14%   | 0.865%  |
| 54 | 14.966 | 4089 | 4103 | 4121 | rVB3 | 1795417 | 3958991  | 21.49%  | 2.604%  |
| 55 | 15.133 | 4135 | 4155 | 4165 | rBV  | 2498023 | 4282024  | 23.25%  | 2.817%  |
| 56 | 15.184 | 4165 | 4171 | 4178 | rVV  | 183125  | 259053   | 1.41%   | 0.170%  |
| 57 | 15.233 | 4178 | 4186 | 4194 | rVV3 | 502767  | 913039   | 4.96%   | 0.601%  |
| 58 | 15.278 | 4194 | 4200 | 4223 | rVB  | 495805  | 890481   | 4.83%   | 0.586%  |
| 59 | 15.393 | 4224 | 4236 | 4247 | rBV  | 798294  | 1305134  | 7.09%   | 0.858%  |
| 60 | 15.538 | 4265 | 4281 | 4306 | rBV3 | 499274  | 1580381  | 8.58%   | 1.040%  |
| 61 | 15.644 | 4306 | 4314 | 4322 | rVV  | 234780  | 434225   | 2.36%   | 0.286%  |
| 62 | 15.709 | 4324 | 4334 | 4359 | rVB4 | 362786  | 828970   | 4.50%   | 0.545%  |
| 63 | 15.834 | 4359 | 4373 | 4384 | rBV2 | 144878  | 302597   | 1.64%   | 0.199%  |
| 64 | 15.998 | 4409 | 4424 | 4429 | rBV3 | 96188   | 192534   | 1.05%   | 0.127%  |
| 65 | 16.049 | 4429 | 4440 | 4461 | rVB  | 1765626 | 3276800  | 17.79%  | 2.155%  |
| 66 | 16.213 | 4478 | 4491 | 4507 | rBV  | 998518  | 1876562  | 10.19%  | 1.234%  |

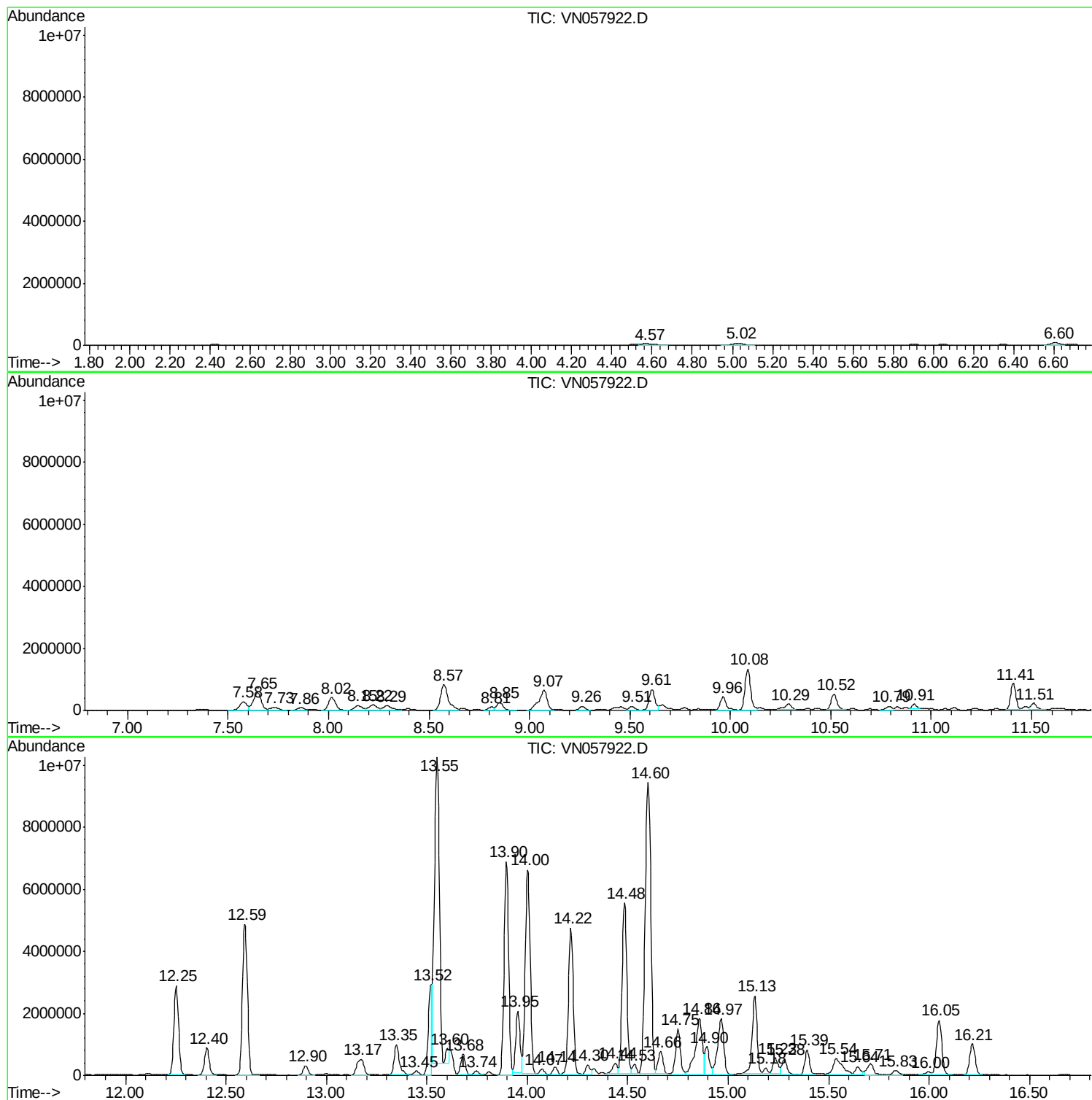
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MSVOA\_N  
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T2-MW-4-8.0-091019

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
Quant Title : SW846 8260

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



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Instrument :  
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ClientSampleId :  
T2-MW-4-8.0-091019

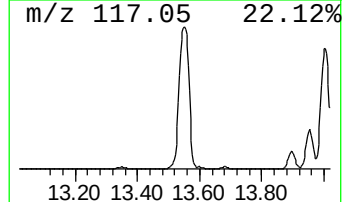
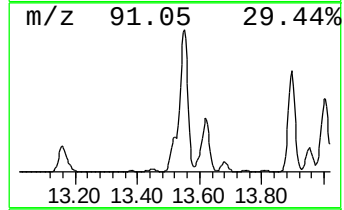
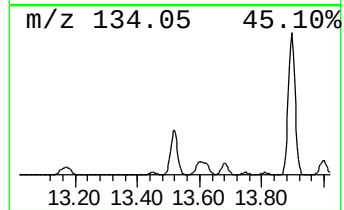
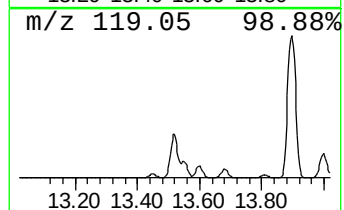
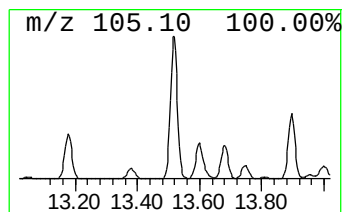
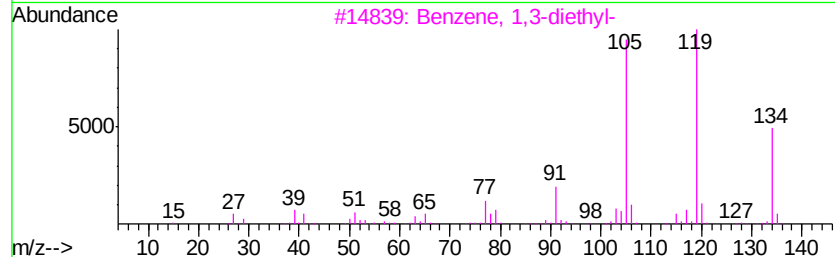
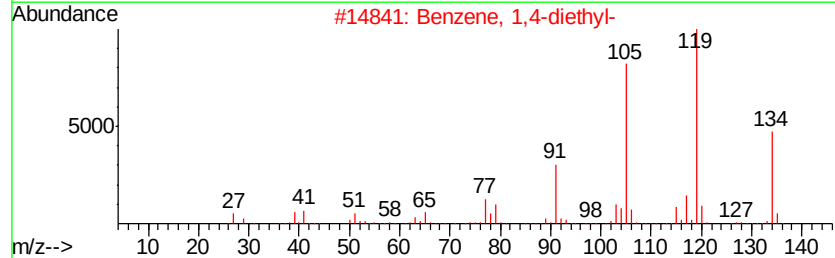
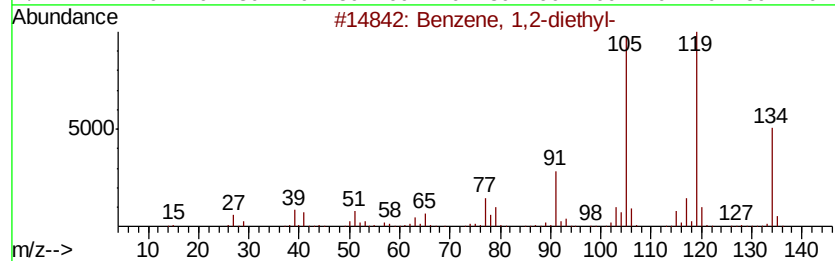
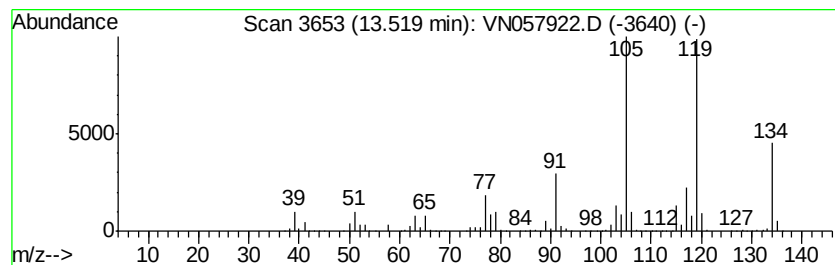
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
Quant Title : SW846 8260

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

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Peak Number 1 Benzene, 1,2-diethyl- Concentration Rank 10

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 13.52 | 92.56 ug/l | 3242720 | 1,4-Dichlorobenzene-d4 | 13.35 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2-diethyl-               | 134 | C10H14  | 000135-01-3 | 97   |
| 2    |    | Benzene, 1,4-diethyl-               | 134 | C10H14  | 000105-05-5 | 94   |
| 3    |    | Benzene, 1,3-diethyl-               | 134 | C10H14  | 000141-93-5 | 90   |
| 4    |    | Benzene, 1-ethyl-3,5-dimethyl-      | 134 | C10H14  | 000934-74-7 | 87   |
| 5    |    | 1,4-Cyclohexadiene, 3-ethenyl-1,... | 134 | C10H14  | 062338-57-2 | 86   |



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
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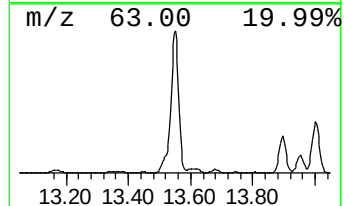
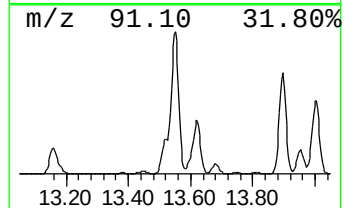
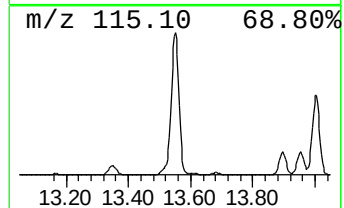
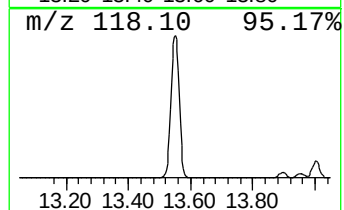
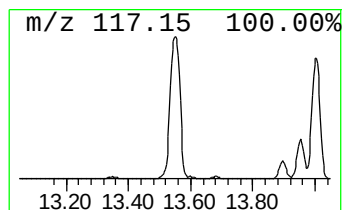
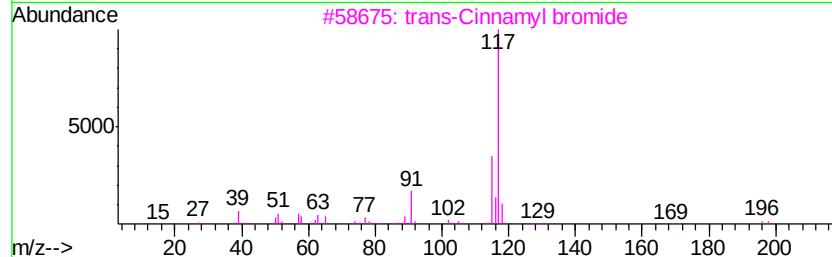
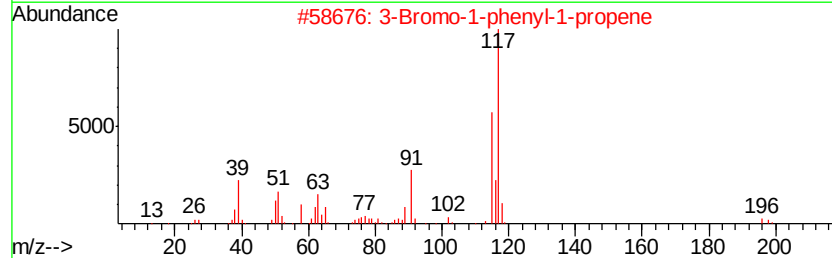
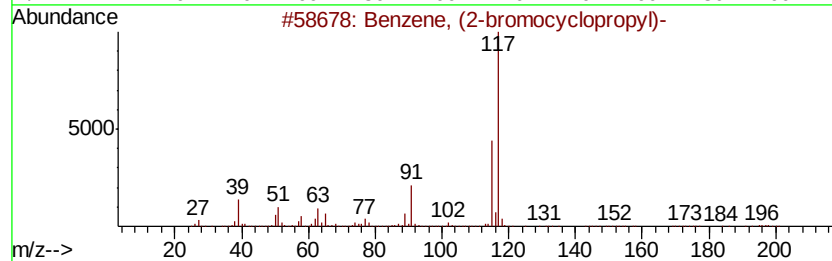
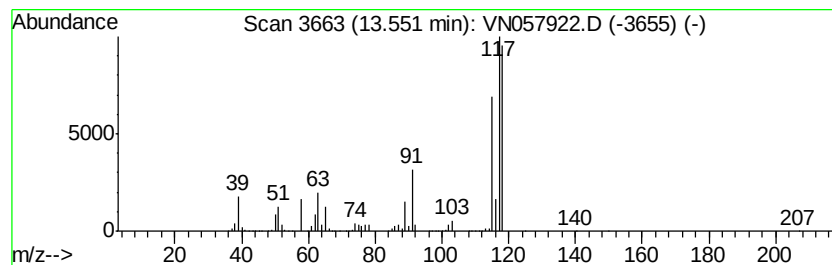
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Benzene, (2-bromocyclopropyl)- Concentration Rank 2

| R.T.  | EstConc     | Area     | Relative to ISTD       | R.T.  |
|-------|-------------|----------|------------------------|-------|
| 13.55 | 496.08 ug/l | 17379000 | 1,4-Dichlorobenzene-d4 | 13.35 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, (2-bromocyclopropyl)-      | 196 | C9H9Br  | 036617-02-4 | 50   |
| 2    |    | 3-Bromo-1-phenyl-1-propene          | 196 | C9H9Br  | 004392-24-9 | 47   |
| 3    |    | trans-Cinnamyl bromide              | 196 | C9H9Br  | 026146-77-0 | 43   |
| 4    |    | Tetracyclo[2.2.1.0(2,6).0(3,5)]h... | 116 | C9H8    | 081787-74-8 | 35   |
| 5    |    | 1H-Pyrrole-3,4-dicarbonitrile       | 117 | C6H3N3  | 125666-25-3 | 35   |



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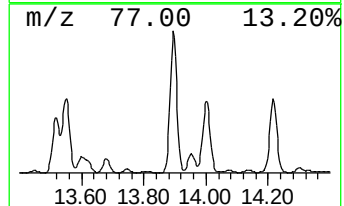
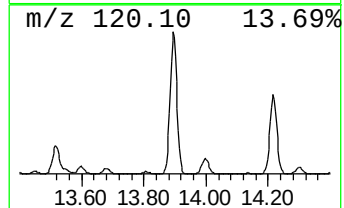
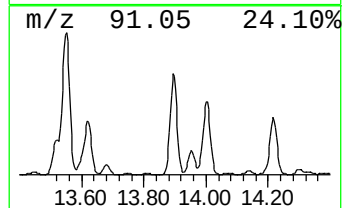
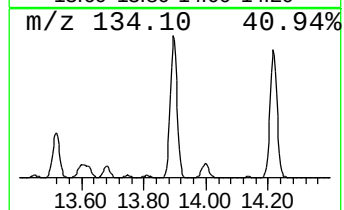
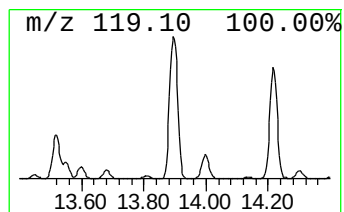
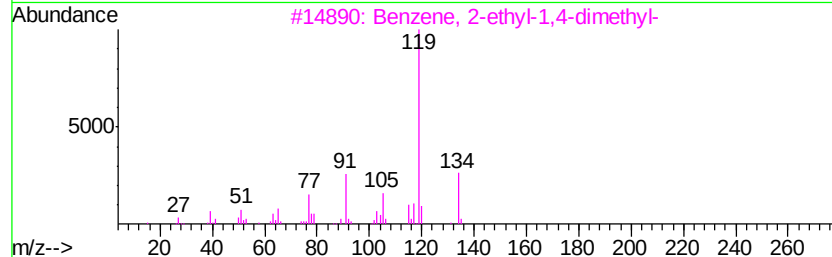
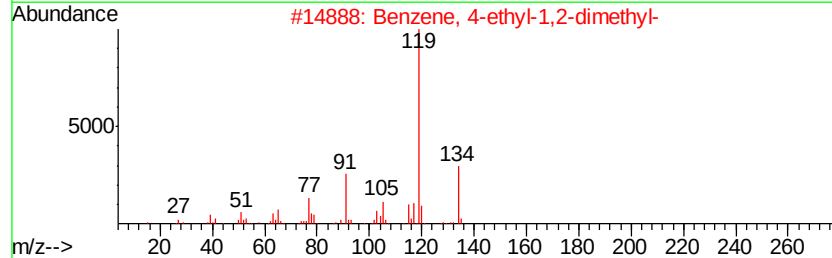
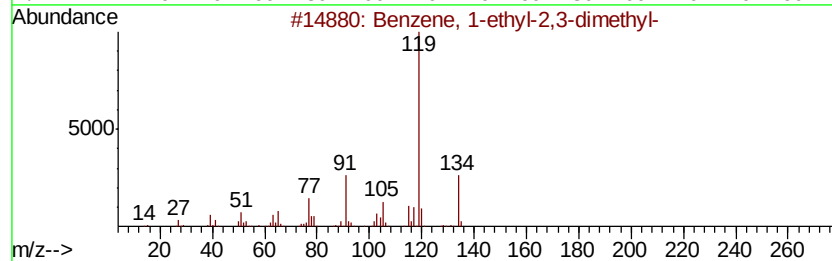
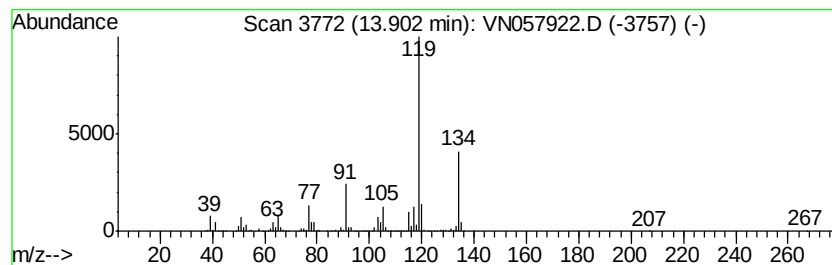
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 4

| R.T.  | EstConc     | Area     | Relative to ISTD       | R.T.  |
|-------|-------------|----------|------------------------|-------|
| 13.90 | 316.54 ug/l | 11089100 | 1,4-Dichlorobenzene-d4 | 13.35 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 97   |
| 2    |    | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 96   |
| 3    |    | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 96   |
| 4    |    | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 94   |
| 5    |    | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 94   |



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Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 65 Sample Multiplier: 1

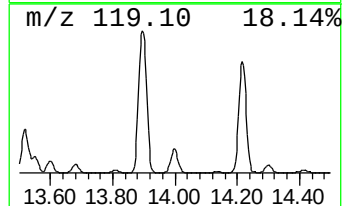
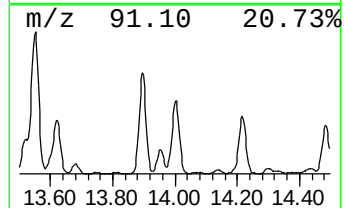
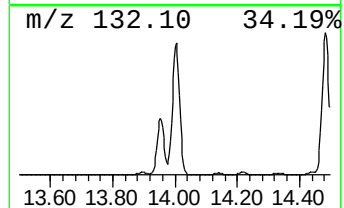
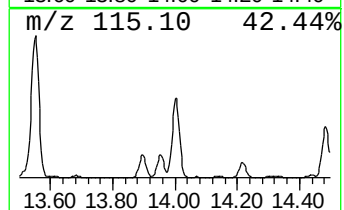
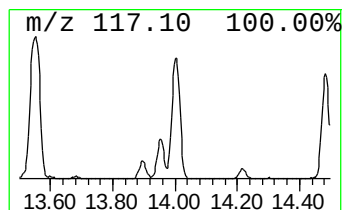
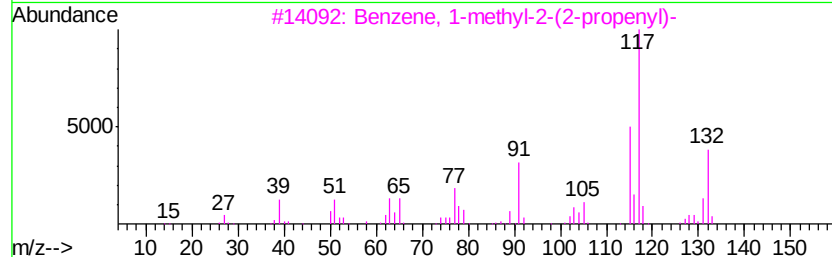
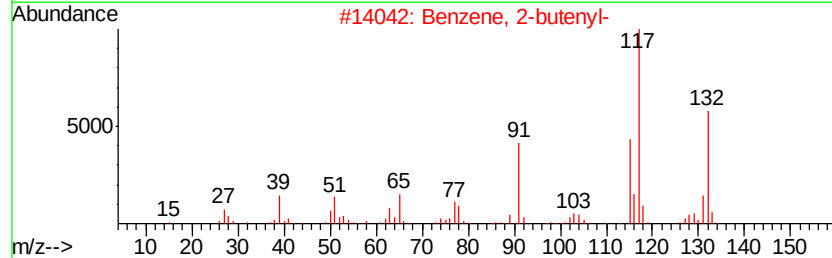
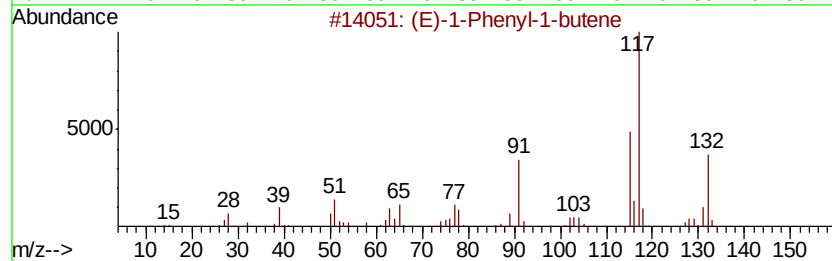
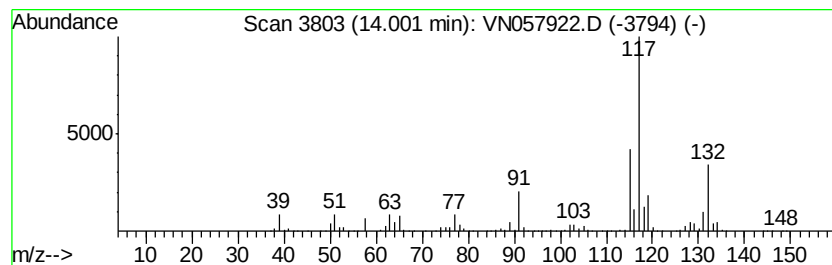
Instrument :  
MSVOA\_N  
ClientSampleId :  
T2-MW-4-8.0-091019

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 (E)-1-Phenyl-1-butene Concentration Rank 3

| R.T.      | EstConc                           | Area     | Relative to ISTD       | R.T.        |      |
|-----------|-----------------------------------|----------|------------------------|-------------|------|
| 14.00     | 318.26 ug/l                       | 11149400 | 1,4-Dichlorobenzene-d4 | 13.35       |      |
| Hit# of 5 | Tentative ID                      | MW       | MolForm                | CAS#        | Qual |
| 1         | (E)-1-Phenyl-1-butene             | 132      | C10H12                 | 001005-64-7 | 93   |
| 2         | Benzene, 2-butenyl-               | 132      | C10H12                 | 001560-06-1 | 90   |
| 3         | Benzene, 1-methyl-2-(2-propenyl)- | 132      | C10H12                 | 001587-04-8 | 90   |
| 4         | 1-Phenyl-1-butene                 | 132      | C10H12                 | 000824-90-8 | 90   |
| 5         | Benzene, (2-methyl-1-propenyl)-   | 132      | C10H12                 | 000768-49-0 | 90   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091119\  
Data File : VN057922.D  
Acq On : 11 Sep 2019 13:57  
Operator : JC/SP  
Sample : K4818-03  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 65 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
T2-MW-4-8.0-091019

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
Quant Title : SW846 8260

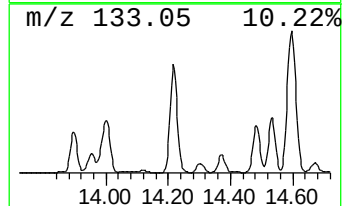
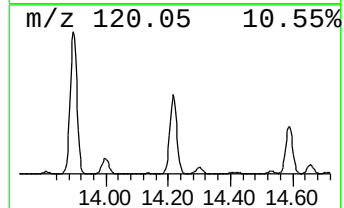
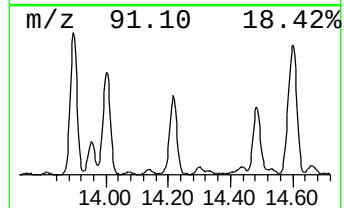
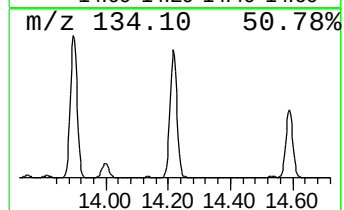
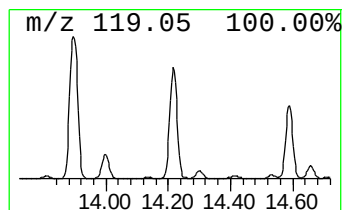
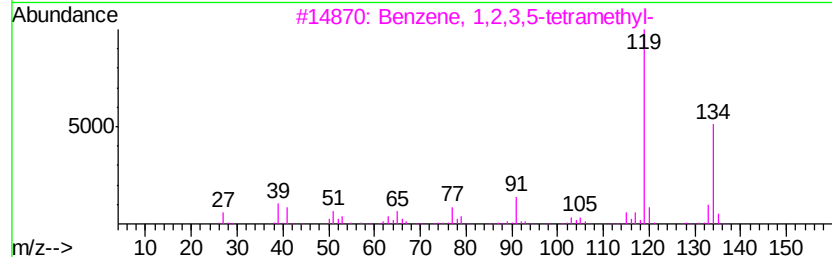
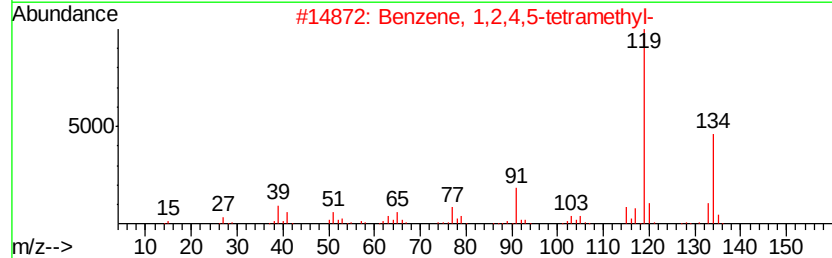
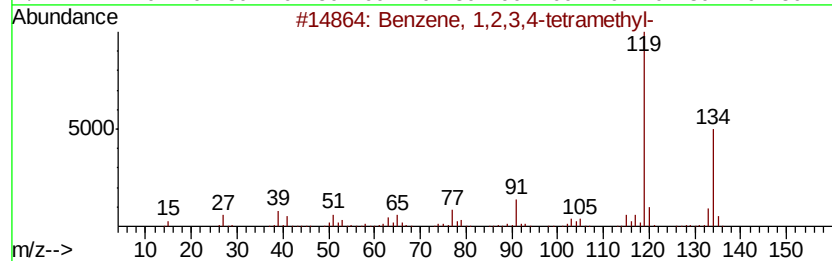
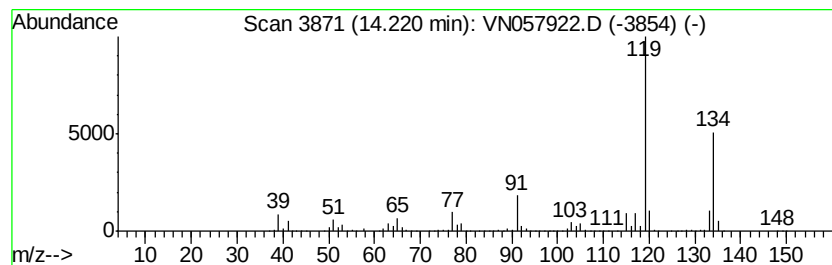
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 6

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 14.22 | 218.12 ug/l | 7641460 | 1,4-Dichlorobenzene-d4 | 13.35 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 96   |
| 2    |    | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 96   |
| 3    |    | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 95   |
| 4    |    | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 94   |
| 5    |    | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14  | 000934-74-7 | 94   |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091119\  
Data File : VN057922.D  
Acq On : 11 Sep 2019 13:57  
Operator : JC/SP  
Sample : K4818-03  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 65 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
T2-MW-4-8.0-091019

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
Quant Title : SW846 8260

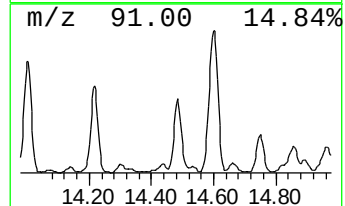
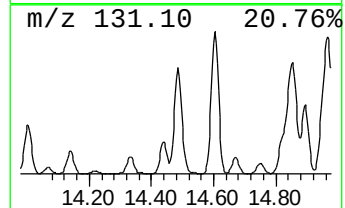
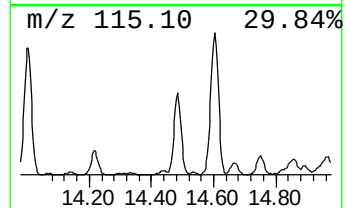
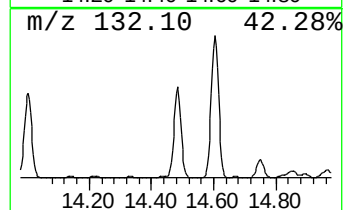
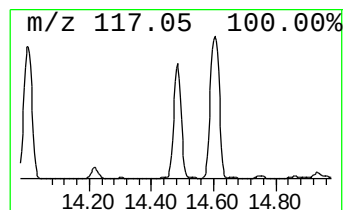
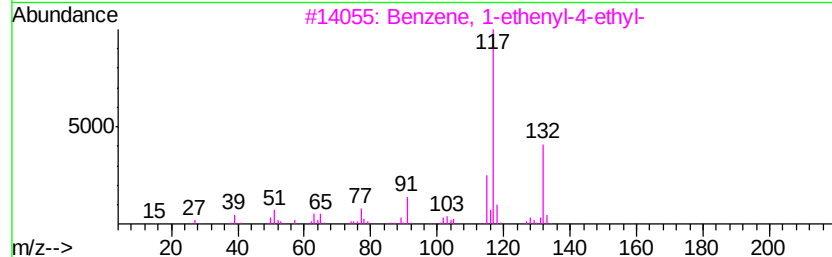
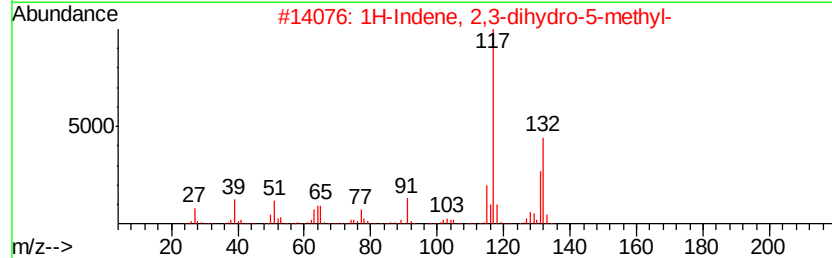
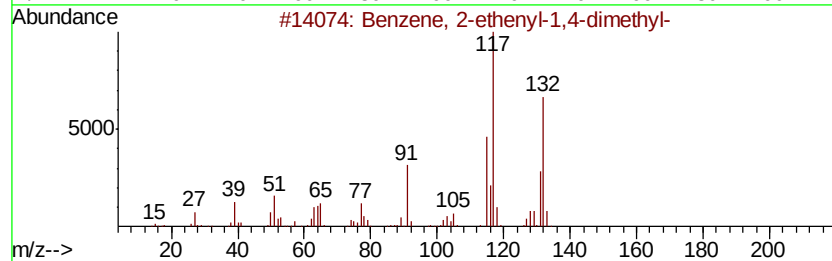
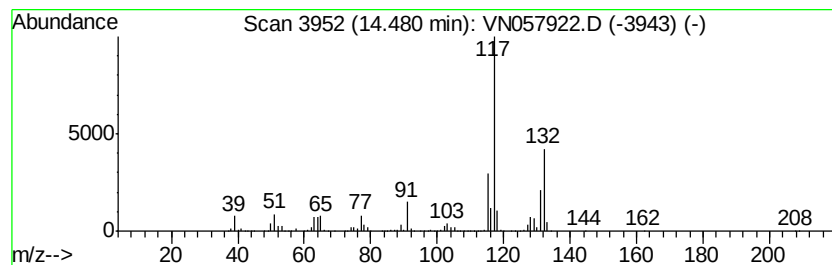
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 5

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 14.48 | 255.34 ug/l | 8945180 | 1,4-Dichlorobenzene-d4 | 13.35 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 2-ethenyl-1,4-dimethyl-    | 132 | C10H12  | 002039-89-6 | 96   |
| 2    |    | 1H-Indene, 2,3-dihydro-5-methyl-    | 132 | C10H12  | 000874-35-1 | 94   |
| 3    |    | Benzene, 1-ethenyl-4-ethyl-         | 132 | C10H12  | 003454-07-7 | 94   |
| 4    |    | 1H-Indene, 2,3-dihydro-4-methyl-    | 132 | C10H12  | 000824-22-6 | 93   |
| 5    |    | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 91   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091119\  
Data File : VN057922.D  
Acq On : 11 Sep 2019 13:57  
Operator : JC/SP  
Sample : K4818-03  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 65 Sample Multiplier: 1

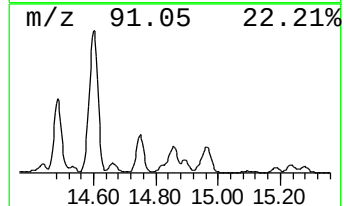
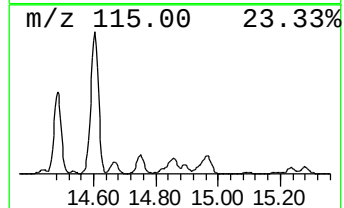
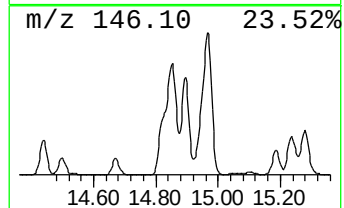
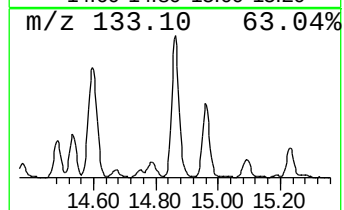
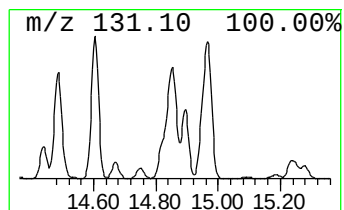
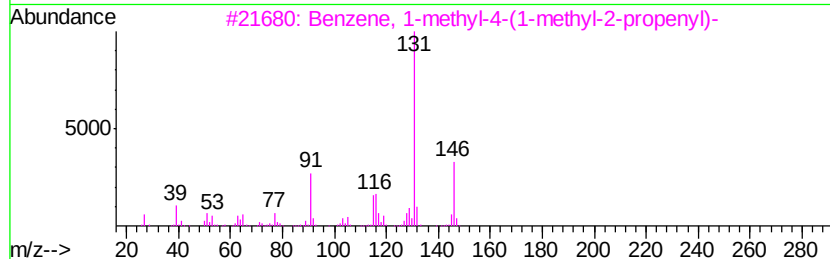
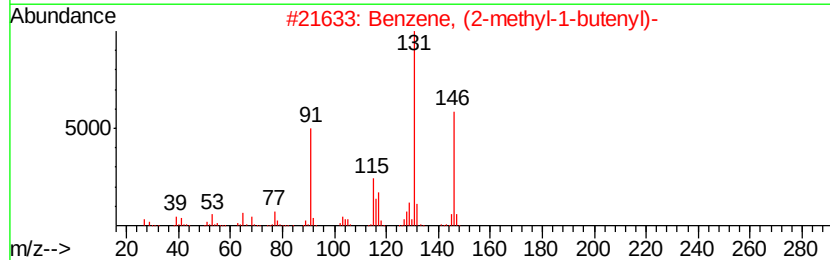
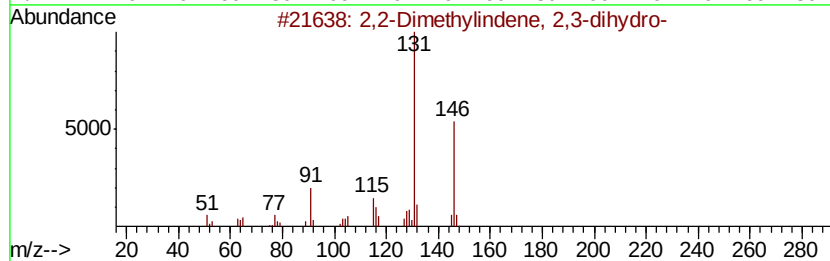
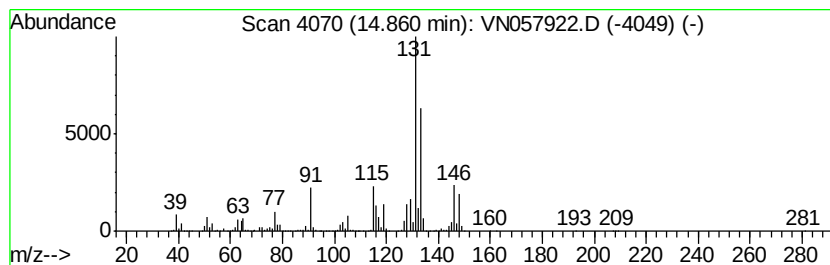
Instrument :  
MSVOA\_N  
ClientSampleId :  
T2-MW-4-8.0-091019

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 8 2,2-Dimethylindene, 2,3-dih... Concentration Rank 7

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.      |
|---------|-------------------------------------|--------------|------------------------|-----------|
| 14.86   | 123.80 ug/l                         | 4336990      | 1,4-Dichlorobenzene-d4 | 13.35     |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | 2,2-Dimethylindene, 2,3-dihydro-    | 146 C11H14   | 020836-11-7            | 86        |
| 2       | Benzene, (2-methyl-1-butenyl)-      | 146 C11H14   | 056253-64-6            | 86        |
| 3       | Benzene, 1-methyl-4-(1-methyl-2-... | 146 C11H14   | 097664-18-1            | 70        |
| 4       | Naphthalene, 1,2,3,4-tetrahydro-... | 146 C11H14   | 001559-81-5            | 64        |
| 5       | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 C11H14   | 004175-53-5            | 64        |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091119\  
Data File : VN057922.D  
Acq On : 11 Sep 2019 13:57  
Operator : JC/SP  
Sample : K4818-03  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 65 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
T2-MW-4-8.0-091019

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
Quant Title : SW846 8260

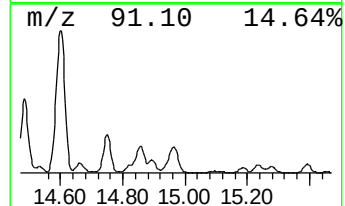
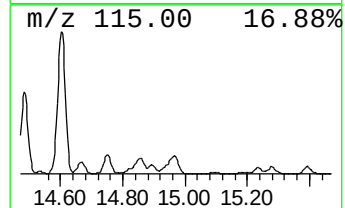
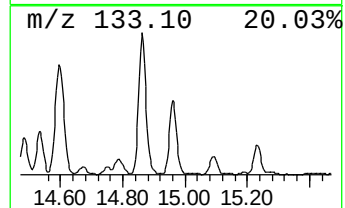
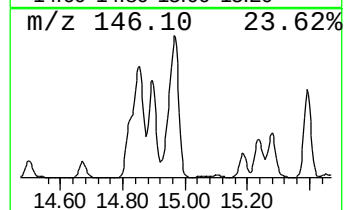
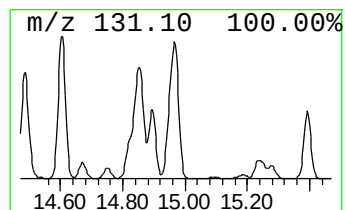
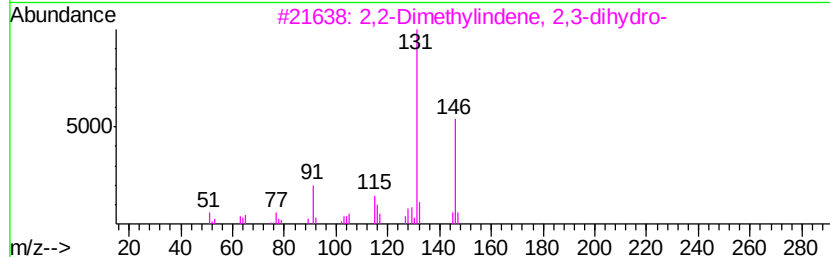
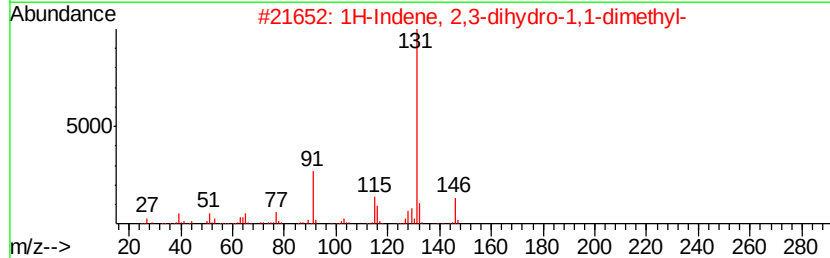
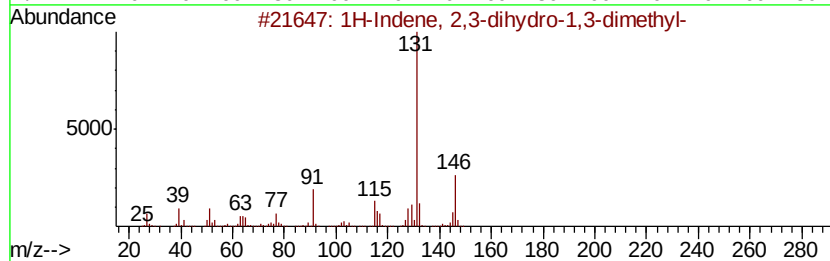
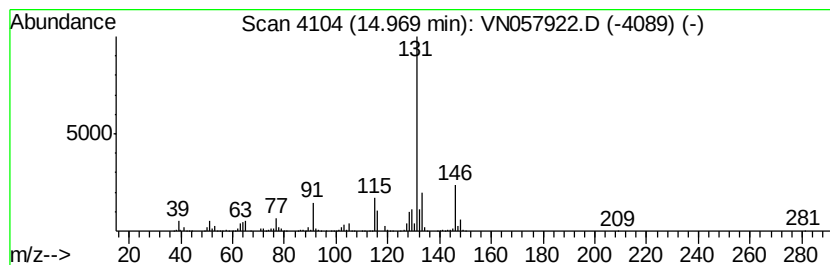
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 8

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 14.97 | 113.01 ug/l | 3958990 | 1,4-Dichlorobenzene-d4 | 13.35 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 87   |
| 2    |    | 1H-Indene, 2,3-dihydro-1,1-dimet... | 146 | C11H14  | 004912-92-9 | 87   |
| 3    |    | 2,2-Dimethylindene, 2,3-dihydro-    | 146 | C11H14  | 020836-11-7 | 87   |
| 4    |    | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 87   |
| 5    |    | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 87   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091119\  
Data File : VN057922.D  
Acq On : 11 Sep 2019 13:57  
Operator : JC/SP  
Sample : K4818-03  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 65 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
T2-MW-4-8.0-091019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
Quant Title : SW846 8260

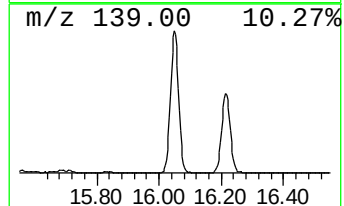
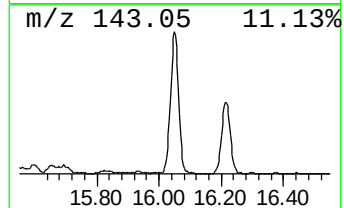
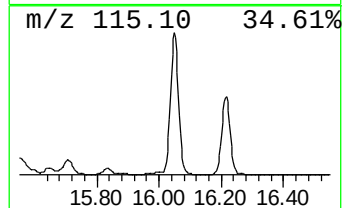
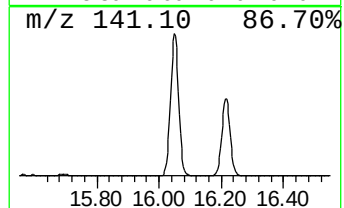
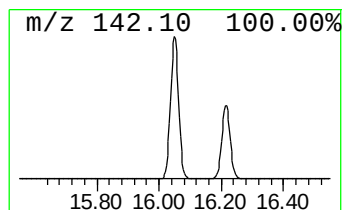
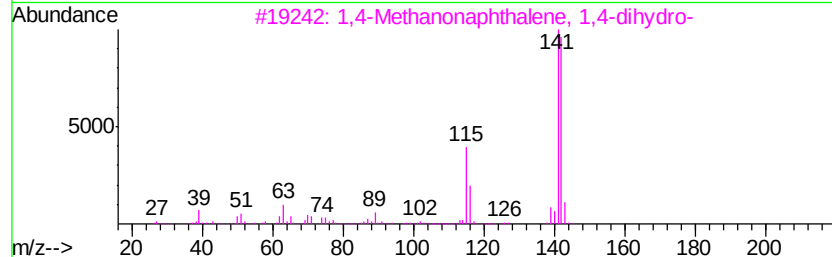
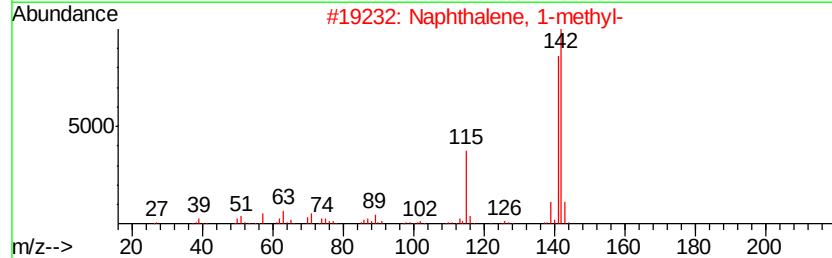
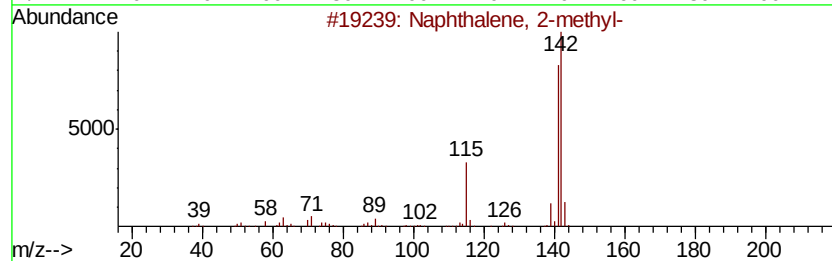
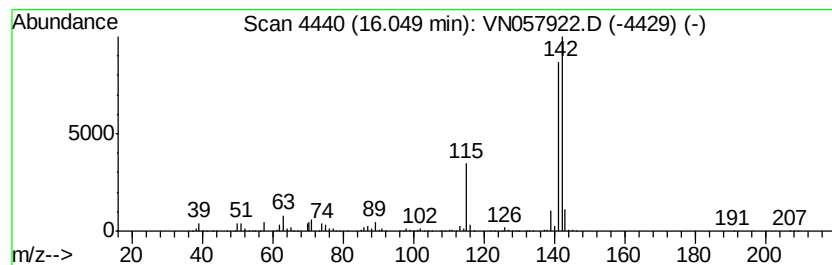
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 9

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 16.05 | 93.54 ug/l | 3276800 | 1,4-Dichlorobenzene-d4 | 13.35 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 2    |    | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 3    |    | 1,4-Methanonaphthalene, 1,4-dihv... | 142 | C11H10  | 004453-90-1 | 91   |
| 4    |    | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 91   |
| 5    |    | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 72   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN091119\  
Data File : VN057922.D  
Acq On : 11 Sep 2019 13:57  
Operator : JC/SP  
Sample : K4818-03  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 65 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
T2-MW-4-8.0-091019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.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 |
| Benzene, 1,2-diet... | 13.52 | 92.6    | ug/l  | 3242720  | 4                     | 13.35 | 1751640 | 50.0 |
| Benzene, (2-bromo... | 13.55 | 496.1   | ug/l  | 17379000 | 4                     | 13.35 | 1751640 | 50.0 |
| Benzene, 1-ethyl-... | 13.90 | 316.5   | ug/l  | 11089100 | 4                     | 13.35 | 1751640 | 50.0 |
| (E)-1-Phenyl-1-bu... | 14.00 | 318.3   | ug/l  | 11149400 | 4                     | 13.35 | 1751640 | 50.0 |
| Benzene, 1,2,3,4-... | 14.22 | 218.1   | ug/l  | 7641460  | 4                     | 13.35 | 1751640 | 50.0 |
| Benzene, 2-etheny... | 14.48 | 255.3   | ug/l  | 8945180  | 4                     | 13.35 | 1751640 | 50.0 |
| 2,2-Dimethylinden... | 14.86 | 123.8   | ug/l  | 4336990  | 4                     | 13.35 | 1751640 | 50.0 |
| 1H-Indene, 2,3-di... | 14.97 | 113.0   | ug/l  | 3958990  | 4                     | 13.35 | 1751640 | 50.0 |
| Naphthalene, 1-me... | 16.05 | 93.5    | ug/l  | 3276800  | 4                     | 13.35 | 1751640 | 50.0 |