

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042219\  
 Data File : VX009096.D  
 Acq On : 22 Apr 2019 14:49  
 Operator : JC/SP  
 Sample : K2516-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 P041919

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\_X\METHOD\82X041519W.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         | 2.440       | 204           | 211         | 228          | rBV      | 2481960        | 4189724       | 57.73%          | 16.231%       |
| 2         | 4.678       | 560           | 578         | 605          | rBV      | 2531300        | 7258012       | 100.00%         | 28.118%       |
| 3         | 5.129       | 638           | 652         | 682          | rBV      | 2075353        | 6213275       | 85.61%          | 24.070%       |
| 4         | 5.501       | 701           | 713         | 726          | rBV      | 136075         | 383124        | 5.28%           | 1.484%        |
| 5         | 5.665       | 726           | 740         | 756          | rVV      | 238818         | 685184        | 9.44%           | 2.654%        |
| 6         | 6.061       | 795           | 805         | 821          | rBV      | 170457         | 438664        | 6.04%           | 1.699%        |
| 7         | 6.860       | 922           | 936         | 949          | rBV      | 390858         | 925335        | 12.75%          | 3.585%        |
| 8         | 8.713       | 1233          | 1240        | 1249         | rBV      | 809834         | 1265020       | 17.43%          | 4.901%        |
| 9         | 10.109      | 1463          | 1469        | 1486         | rBV      | 749400         | 1027439       | 14.16%          | 3.980%        |
| 10        | 11.079      | 1622          | 1628        | 1633         | rBV      | 542362         | 718277        | 9.90%           | 2.783%        |
| 11        | 11.134      | 1633          | 1637        | 1647         | rVB      | 605171         | 781025        | 10.76%          | 3.026%        |
| 12        | 12.024      | 1774          | 1783        | 1787         | rBV      | 176949         | 215059        | 2.96%           | 0.833%        |
| 13        | 12.079      | 1787          | 1792        | 1798         | rVV      | 698604         | 901705        | 12.42%          | 3.493%        |
| 14        | 13.347      | 1995          | 2000        | 2005         | rVB2     | 67497          | 88191         | 1.22%           | 0.342%        |
| 15        | 13.475      | 2016          | 2021        | 2029         | rVB      | 61481          | 83168         | 1.15%           | 0.322%        |
| 16        | 13.834      | 2075          | 2080        | 2088         | rVB      | 75356          | 100331        | 1.38%           | 0.389%        |
| 17        | 14.286      | 2145          | 2154        | 2160         | rBV2     | 65502          | 115333        | 1.59%           | 0.447%        |
| 18        | 14.535      | 2192          | 2195        | 2200         | rVB2     | 62951          | 84289         | 1.16%           | 0.327%        |
| 19        | 14.694      | 2216          | 2221        | 2232         | rVB      | 135333         | 235175        | 3.24%           | 0.911%        |
| 20        | 14.834      | 2240          | 2244        | 2249         | rBV2     | 73608          | 104640        | 1.44%           | 0.405%        |

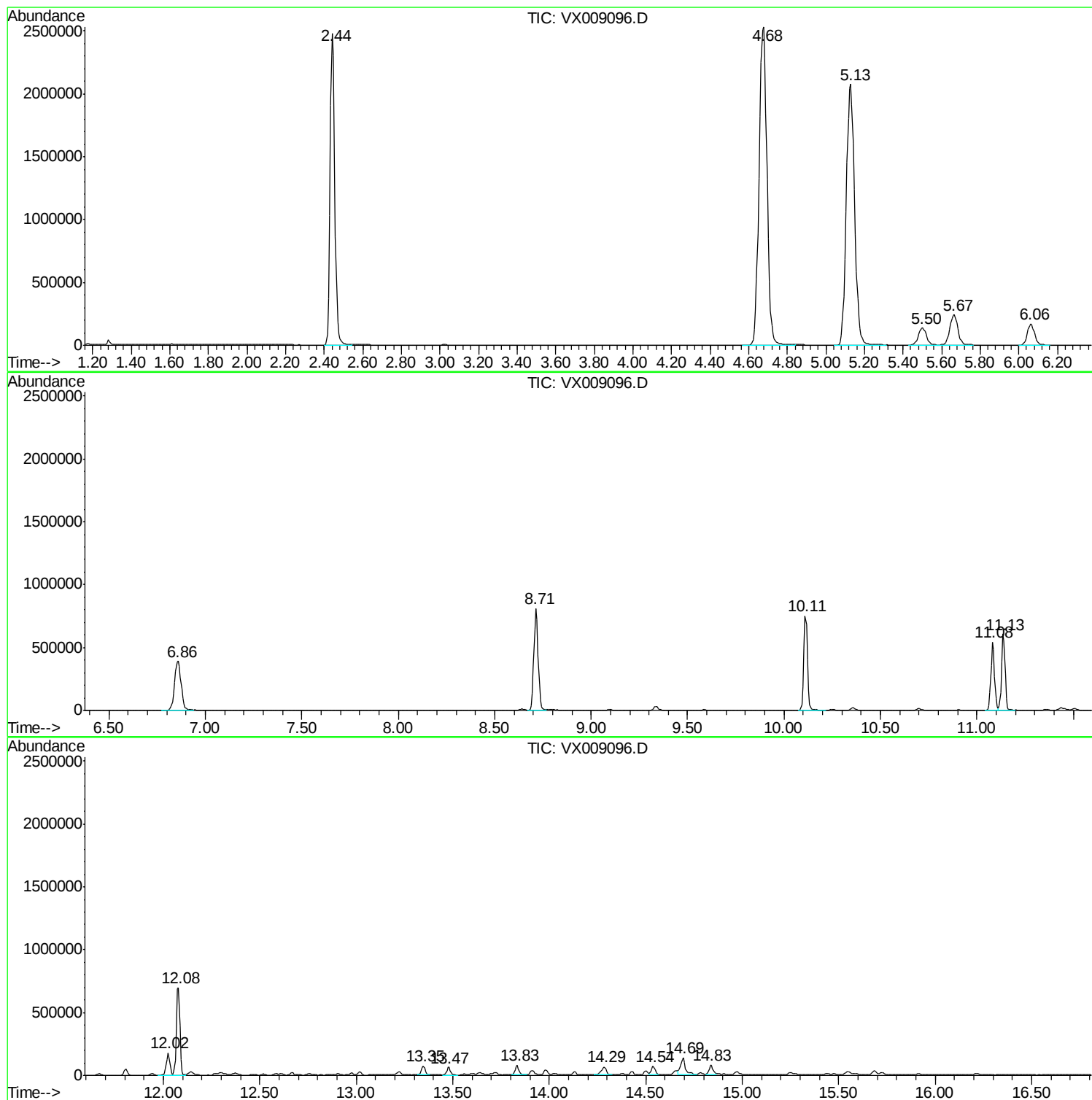
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Instrument :  
MSVOA\_X  
ClientSampleId :  
P041919

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X041519W.M  
Quant Title : SW846 8260

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



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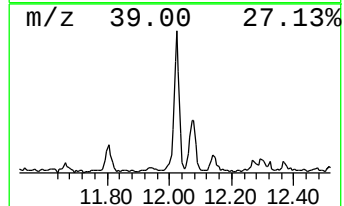
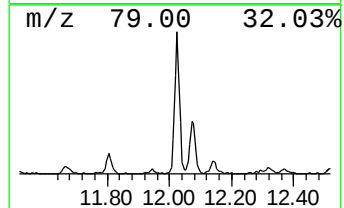
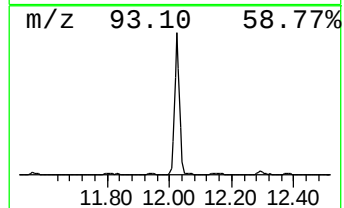
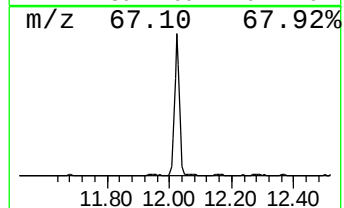
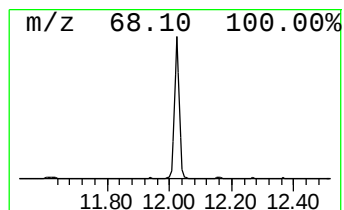
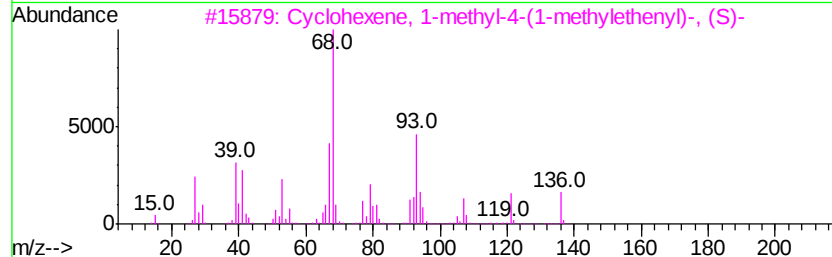
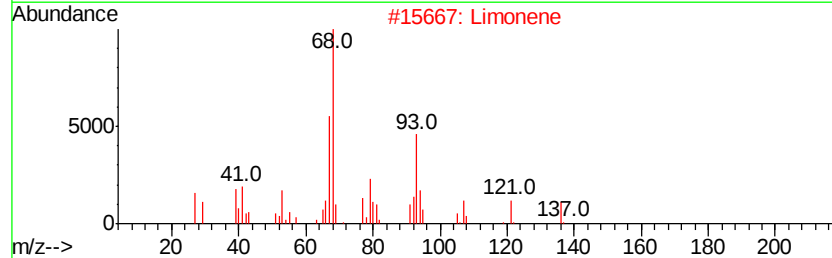
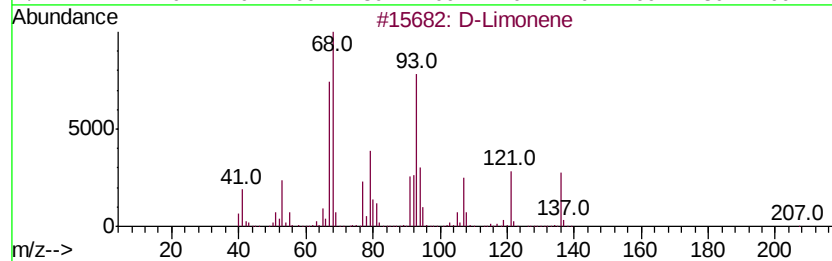
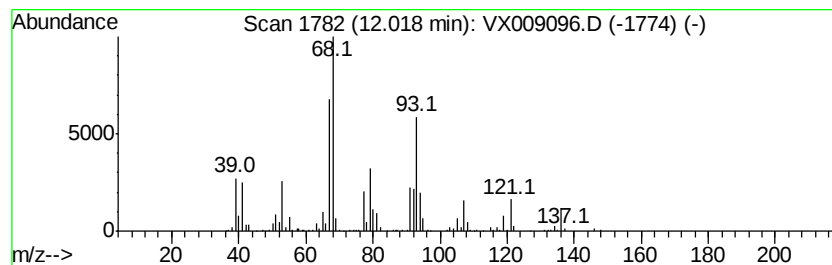
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 D-Limonene Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 12.02 | 11.93 ug/l | 215059 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                          | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------------|-----|---------|-------------|------|
| 1    | 5  | D-Limonene                            | 136 | C10H16  | 005989-27-5 | 97   |
| 2    |    | Limonene                              | 136 | C10H16  | 000138-86-3 | 94   |
| 3    |    | Cyclohexene, 1-methyl-4-(1-methyl-... | 136 | C10H16  | 005989-54-8 | 91   |
| 4    |    | Cyclohexene, 4-ethenyl-1,4-dimet...   | 136 | C10H16  | 001743-61-9 | 72   |
| 5    |    | 1,5-Cyclooctadiene, 1,5-dimethyl-     | 136 | C10H16  | 003760-14-3 | 64   |



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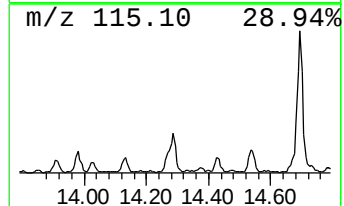
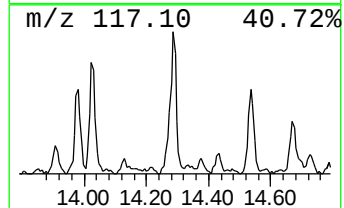
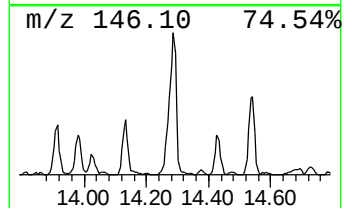
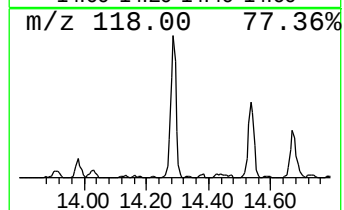
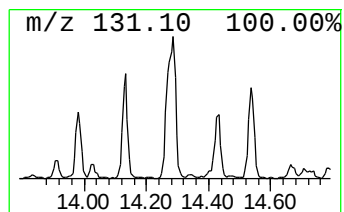
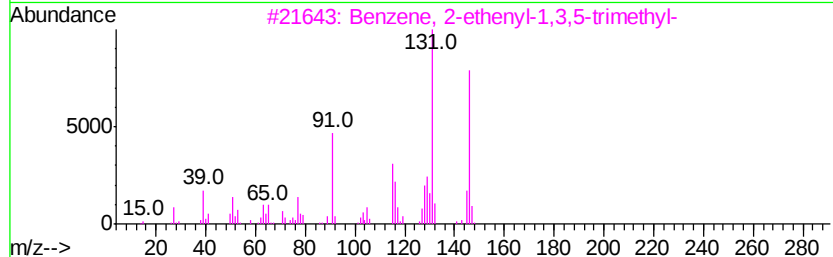
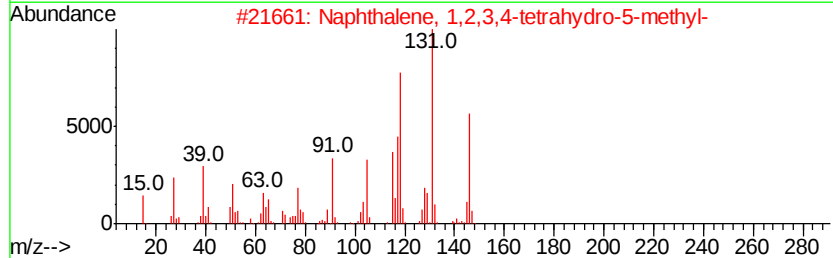
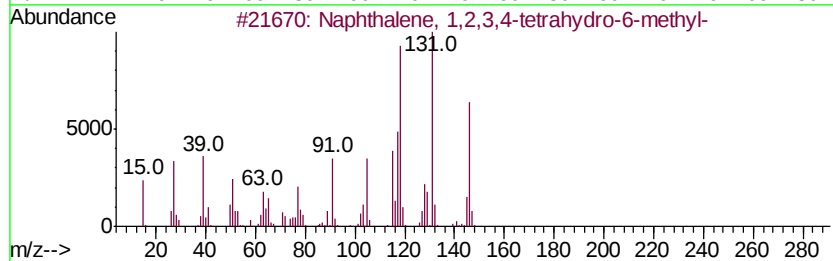
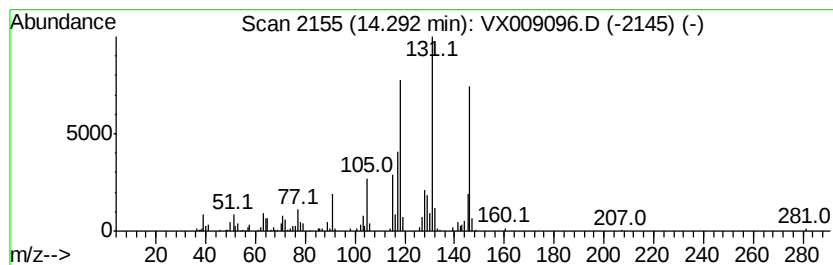
Instrument :  
MSVOA\_X  
ClientSampleId :  
P041919

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X041519W.M  
Quant Title : SW846 8260

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

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Peak Number 3 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 4

| R.T.    | EstConc   | Area                                | Relative to ISTD       | R.T.           |
|---------|-----------|-------------------------------------|------------------------|----------------|
| 14.29   | 6.40 ug/l | 115333                              | 1,4-Dichlorobenzene-d4 | 12.08          |
| Hit# of | 5         | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |           | Naphthalene, 1,2,3,4-tetrahydro-... | 146 C11H14             | 001680-51-9 95 |
| 2       |           | Naphthalene, 1,2,3,4-tetrahydro-... | 146 C11H14             | 002809-64-5 95 |
| 3       |           | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 C11H14             | 000769-25-5 89 |
| 4       |           | Benzene, (1,2-dimethyl-1-propenyl)- | 146 C11H14             | 000769-57-3 64 |
| 5       |           | 1H-Inden-1-one, 2,3-dihydro-2-me... | 146 C10H10O            | 017496-14-9 62 |



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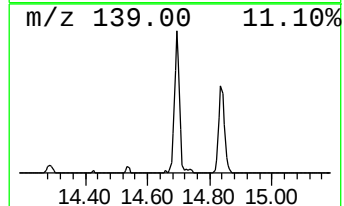
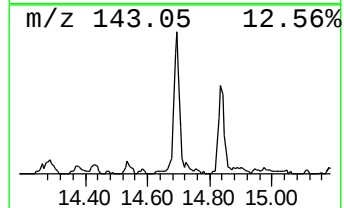
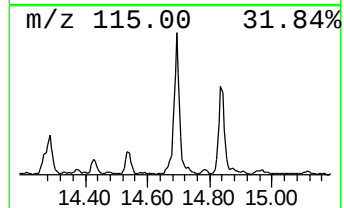
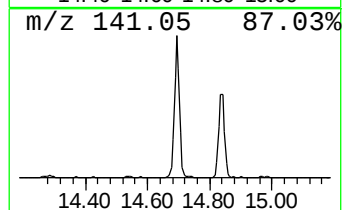
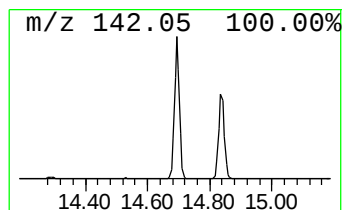
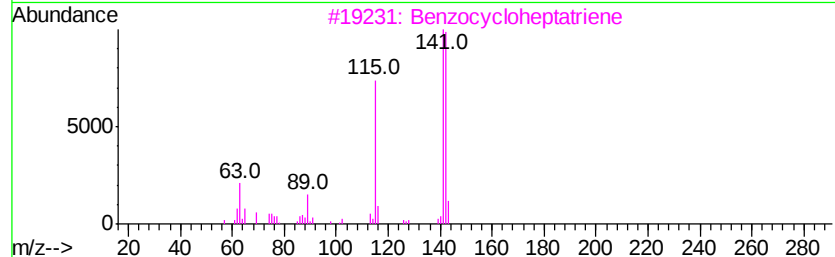
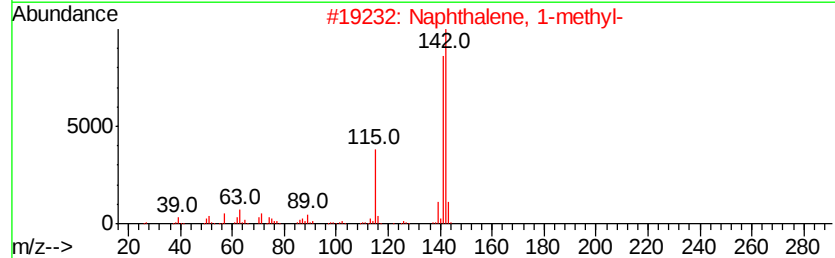
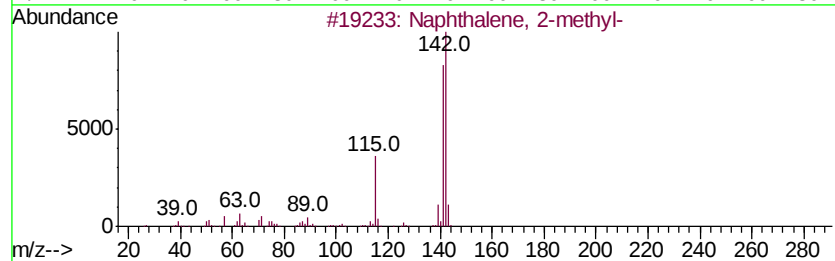
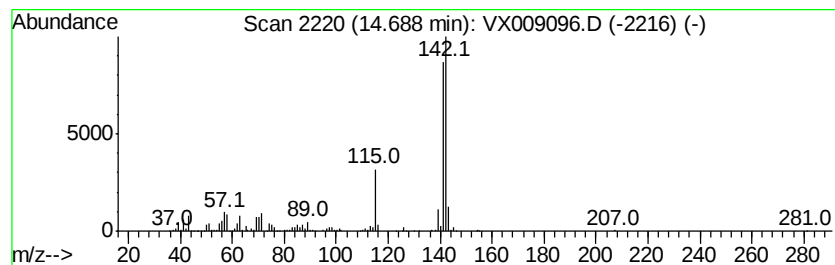
Instrument :  
MSVOA\_X  
ClientSampleId :  
P041919

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X041519W.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-methyl- Concentration Rank 2

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 14.69   | 13.04 ug/l | 235175                              | 1,4-Dichlorobenzene-d4 | 12.08          |
| 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 90 |
| 4       |            | 1,4-Methanonaphthalene, 1,4-dihy... | 142 C11H10             | 004453-90-1 90 |
| 5       |            | 1H-Indene, 1-ethylidene-            | 142 C11H10             | 002471-83-2 59 |



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MSVOA\_X  
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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| D-Limonene           | 12.02 | 11.9    | ug/l  | 215059   | 4                     | 12.08 | 901705 | 50.0 |
| Naphthalene, 1,2,... | 14.29 | 6.4     | ug/l  | 115333   | 4                     | 12.08 | 901705 | 50.0 |
| Naphthalene, 1-me... | 14.69 | 13.0    | ug/l  | 235175   | 4                     | 12.08 | 901705 | 50.0 |