

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM032017\  
 Data File : BM009304.D  
 Acq On : 20 Mar 2017 20:35  
 Operator : SJ/MA  
 Sample : I2303-14  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 COBN0

## Integration Parameters: LSCINT.P

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

Filtering: 5  
 Min Area: 1 % 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:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031317MA.M  
 Title : SVOA CALIBRATION

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         | 5.222       | 351           | 363         | 368          | rBV3     | 87391875       | 213840622     | 100.00%         | 33.641%       |
| 2         | 7.769       | 787           | 796         | 804          | rBV      | 8413744        | 13827716      | 6.47%           | 2.175%        |
| 3         | 7.928       | 807           | 823         | 829          | rBV2     | 56662297       | 101575587     | 47.50%          | 15.980%       |
| 4         | 8.269       | 864           | 881         | 885          | rBV4     | 84242650       | 199919294     | 93.49%          | 31.451%       |
| 5         | 10.551      | 1258          | 1269        | 1275         | rBV      | 38521415       | 64500923      | 30.16%          | 10.147%       |
| 6         | 11.057      | 1346          | 1355        | 1363         | rBV      | 8215209        | 13510886      | 6.32%           | 2.125%        |
| 7         | 13.310      | 1730          | 1738        | 1748         | rBV      | 1479555        | 2264471       | 1.06%           | 0.356%        |
| 8         | 14.210      | 1884          | 1891        | 1897         | rBV      | 1449221        | 2189169       | 1.02%           | 0.344%        |
| 9         | 15.504      | 2105          | 2111        | 2119         | rBV      | 2034025        | 2926296       | 1.37%           | 0.460%        |
| 10        | 17.357      | 2419          | 2426        | 2435         | rBV      | 2458155        | 3533003       | 1.65%           | 0.556%        |
| 11        | 19.651      | 2810          | 2816        | 2826         | rBV      | 3523231        | 4598749       | 2.15%           | 0.723%        |
| 12        | 21.433      | 3114          | 3119        | 3126         | rBV      | 2807589        | 3420146       | 1.60%           | 0.538%        |
| 13        | 23.621      | 3483          | 3491        | 3501         | rVB2     | 3026506        | 6021581       | 2.82%           | 0.947%        |
| 14        | 23.768      | 3509          | 3516        | 3524         | rVB      | 1829043        | 3533033       | 1.65%           | 0.556%        |

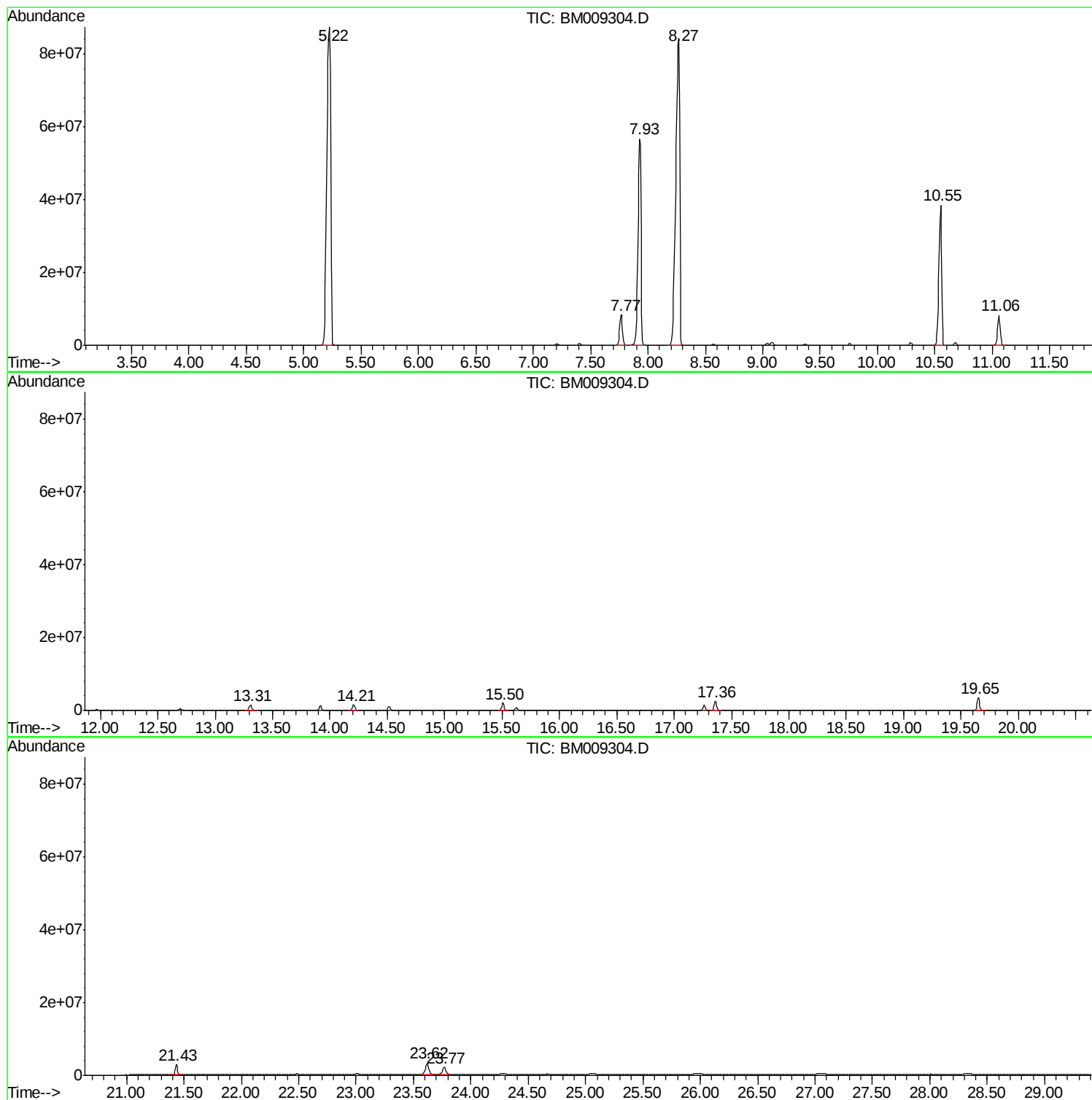
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031317MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031317MA.M  
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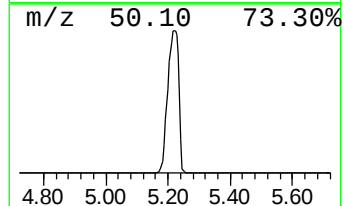
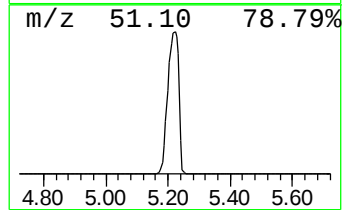
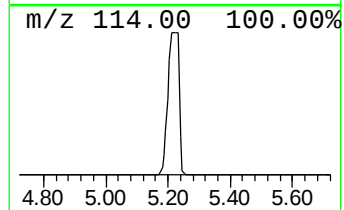
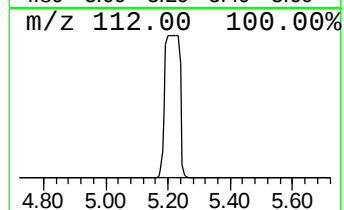
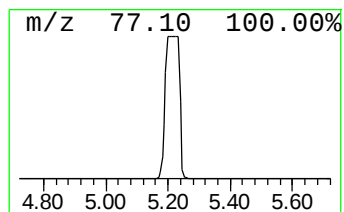
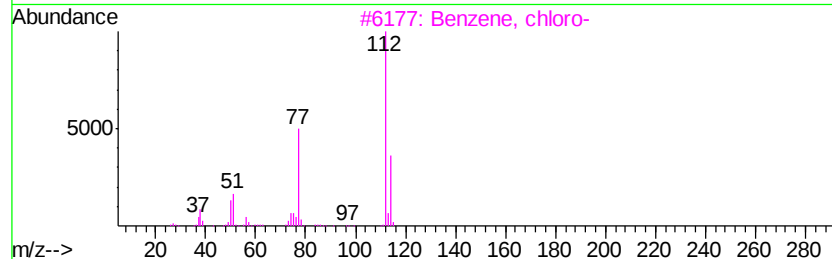
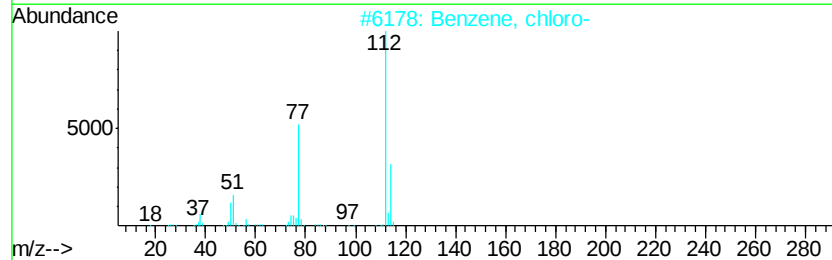
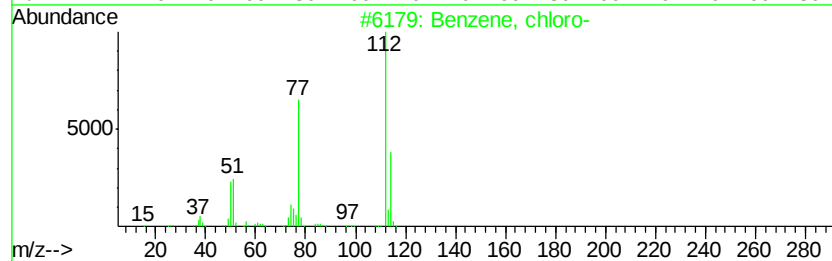
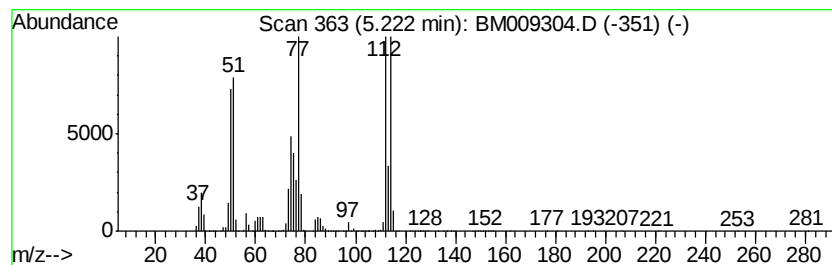
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Benzene, chloro- Concentration Rank 1

| R.T. | EstConc     | Area      | Relative to ISTD       | R.T. |
|------|-------------|-----------|------------------------|------|
| 5.22 | 42.10 ng/ul | 213841000 | 1,4-Dichlorobenzene-d4 | 7.88 |

| Hit# | of | Tentative ID                        | MW  | MolForm       | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------------|-------------|------|
| 1    | 5  | Benzene, chloro-                    | 112 | C6H5Cl        | 000108-90-7 | 74   |
| 2    |    | Benzene, chloro-                    | 112 | C6H5Cl        | 000108-90-7 | 40   |
| 3    |    | Benzene, chloro-                    | 112 | C6H5Cl        | 000108-90-7 | 28   |
| 4    |    | 4-Benzamido-4-dichloromethyl-2-p... | 361 | C17H13Cl2N3O2 | 076543-29-8 | 10   |
| 5    |    | Pyridine, 4-chloro-                 | 113 | C5H4ClN       | 000626-61-9 | 9    |



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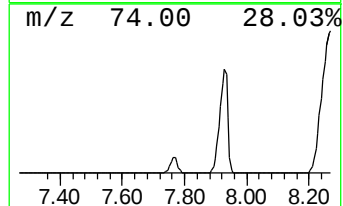
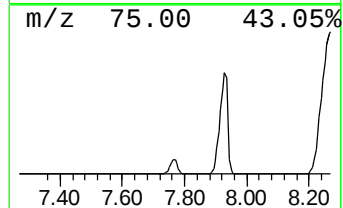
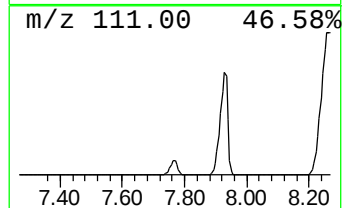
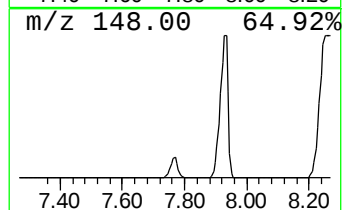
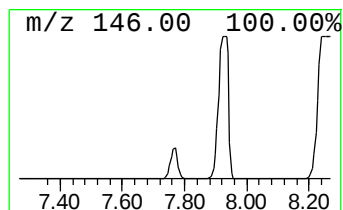
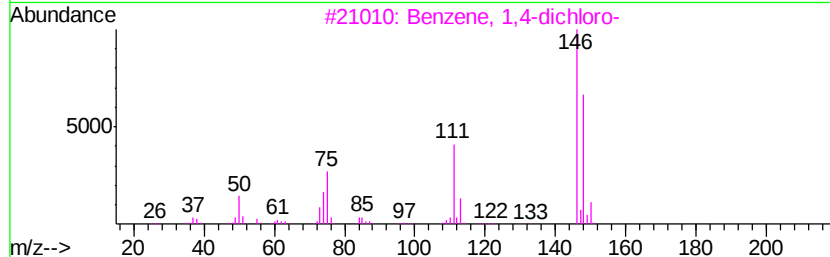
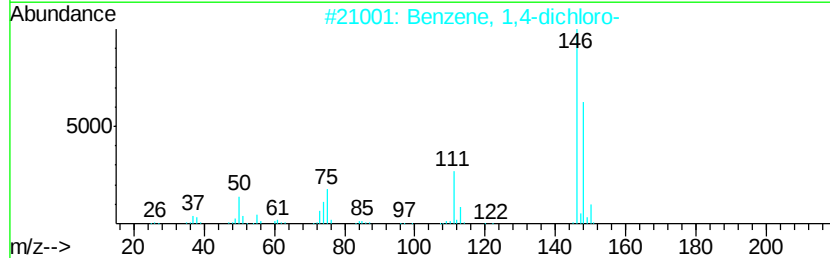
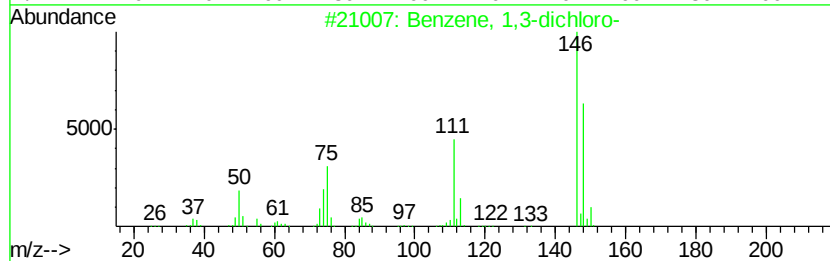
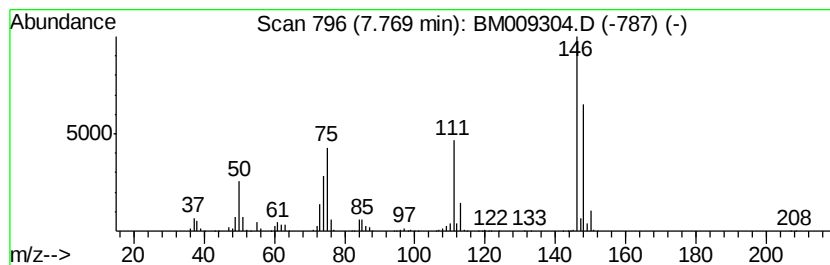
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Benzene, 1,3-dichloro- Concentration Rank 5

| R.T. | EstConc    | Area     | Relative to ISTD       | R.T. |
|------|------------|----------|------------------------|------|
| 7.77 | 2.72 ng/ul | 13827700 | 1,4-Dichlorobenzene-d4 | 7.88 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,3-dichloro- | 146 | C6H4Cl2 | 000541-73-1 | 96   |
| 2    |    | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 96   |
| 3    |    | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 96   |
| 4    |    | Benzene, 1,2-dichloro- | 146 | C6H4Cl2 | 000095-50-1 | 96   |
| 5    |    | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 96   |



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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031317MA.M  
Quant Title : SVOA CALIBRATION

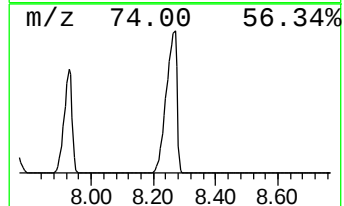
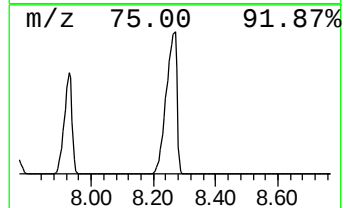
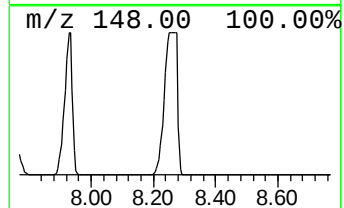
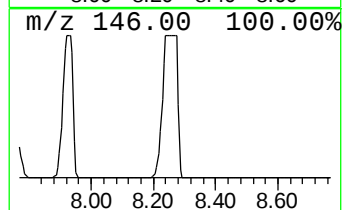
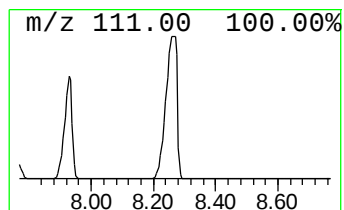
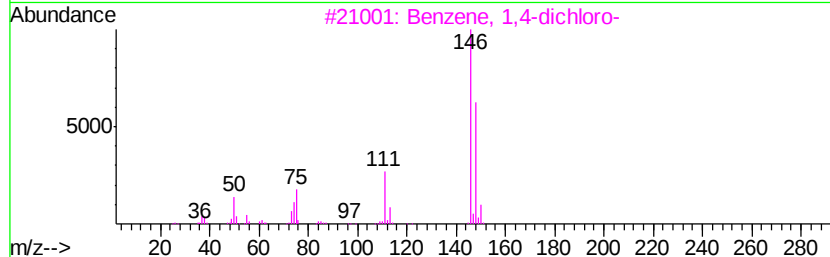
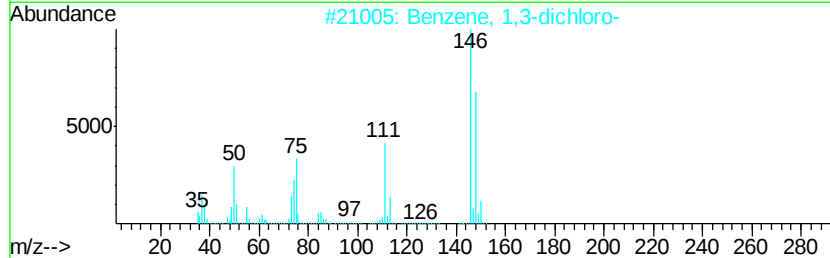
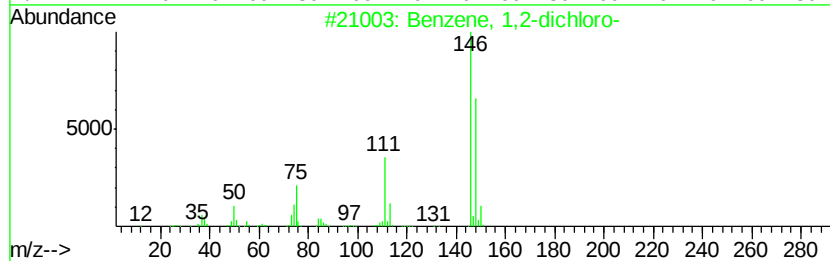
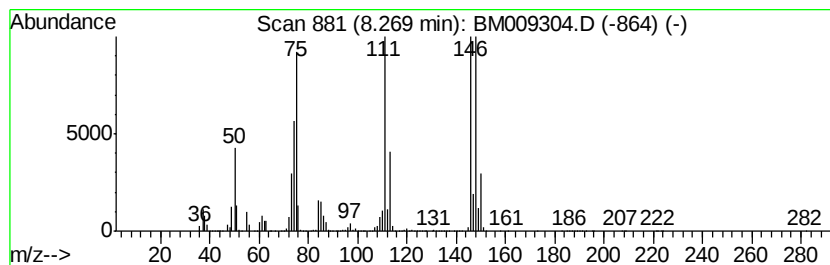
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Benzene, 1,2-dichloro- Concentration Rank 2

| R.T. | EstConc     | Area      | Relative to ISTD       | R.T. |
|------|-------------|-----------|------------------------|------|
| 8.27 | 39.36 ng/ul | 199919000 | 1,4-Dichlorobenzene-d4 | 7.88 |

| Hit# of | 5                      | Tentative ID | MW      | MolForm     | CAS# | Qual |
|---------|------------------------|--------------|---------|-------------|------|------|
| 1       | Benzene, 1,2-dichloro- | 146          | C6H4Cl2 | 000095-50-1 | 94   |      |
| 2       | Benzene, 1,3-dichloro- | 146          | C6H4Cl2 | 000541-73-1 | 93   |      |
| 3       | Benzene, 1,4-dichloro- | 146          | C6H4Cl2 | 000106-46-7 | 91   |      |
| 4       | Benzene, 1,4-dichloro- | 146          | C6H4Cl2 | 000106-46-7 | 81   |      |
| 5       | Benzene, 1,4-dichloro- | 146          | C6H4Cl2 | 000106-46-7 | 81   |      |



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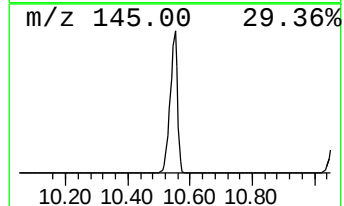
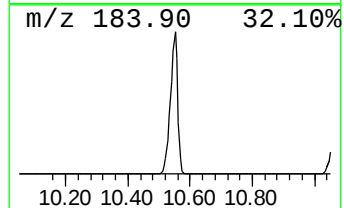
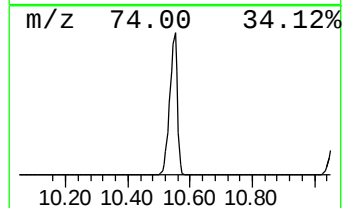
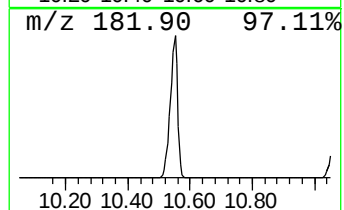
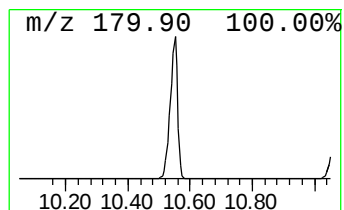
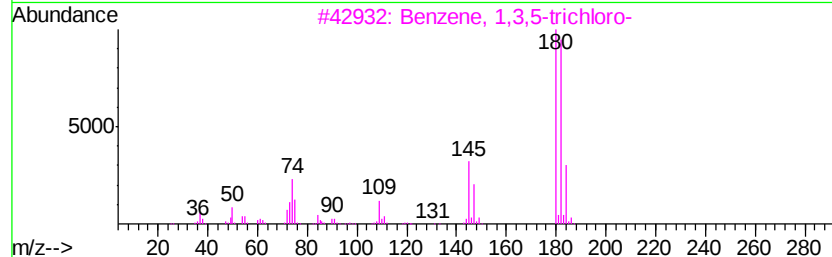
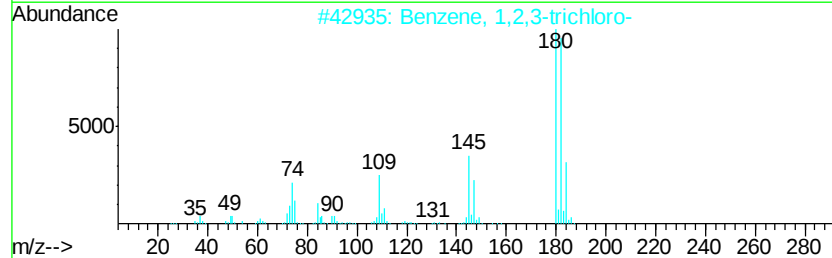
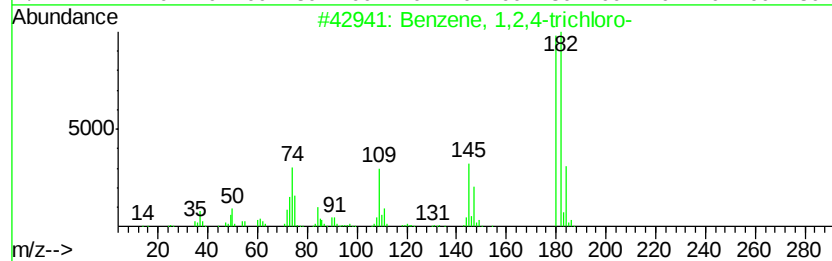
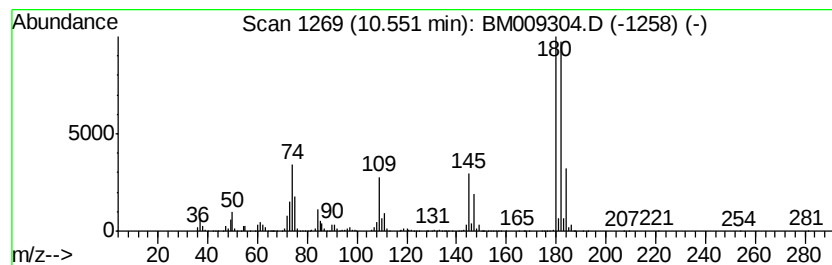
Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031317MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Benzene, 1,2,4-trichloro- Concentration Rank 3

| R.T.    | EstConc     | Area                      | Relative to ISTD | R.T.           |
|---------|-------------|---------------------------|------------------|----------------|
| 10.55   | 20.00 ng/ul | 64500900                  | Napthalene-d8    | 10.68          |
| Hit# of | 5           | Tentative ID              | MW MolForm       | CAS# Qual      |
| 1       |             | Benzene, 1,2,4-trichloro- | 180 C6H3Cl3      | 000120-82-1 98 |
| 2       |             | Benzene, 1,2,3-trichloro- | 180 C6H3Cl3      | 000087-61-6 98 |
| 3       |             | Benzene, 1,3,5-trichloro- | 180 C6H3Cl3      | 000108-70-3 97 |
| 4       |             | Benzene, 1,3,5-trichloro- | 180 C6H3Cl3      | 000108-70-3 96 |
| 5       |             | Benzene, 1,2,3-trichloro- | 180 C6H3Cl3      | 000087-61-6 96 |



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Quant Title : SVOA CALIBRATION

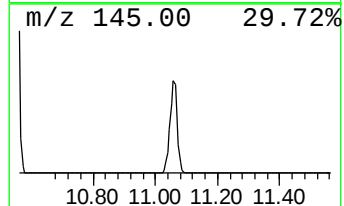
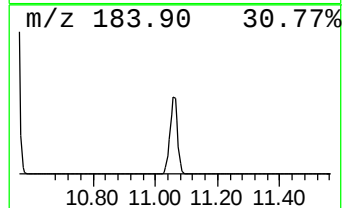
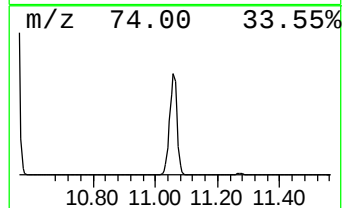
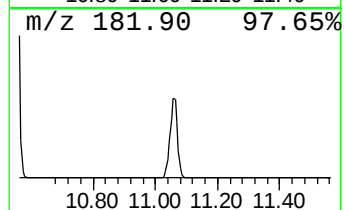
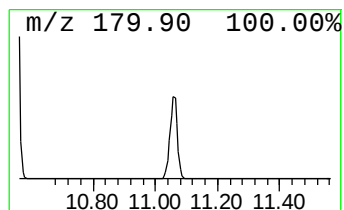
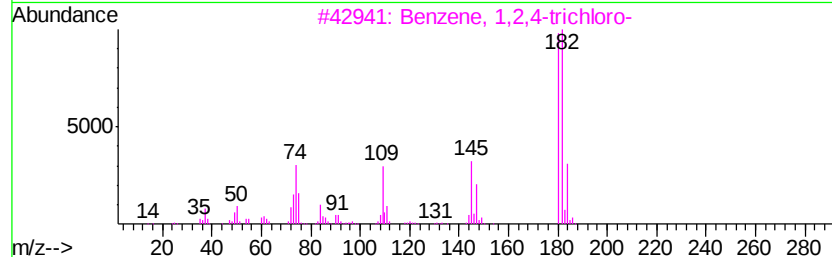
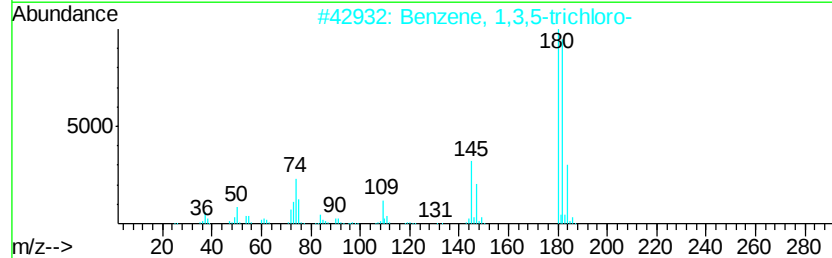
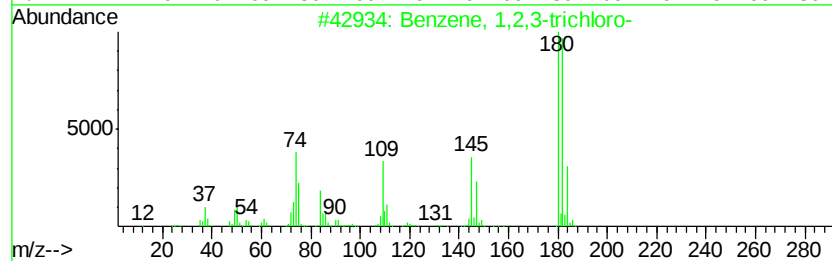
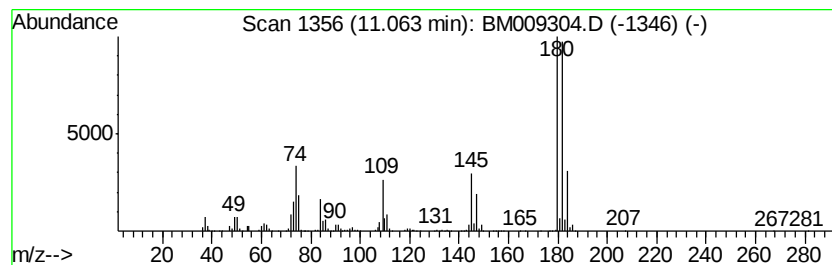
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area     | Relative to ISTD | R.T.  |
|-------|------------|----------|------------------|-------|
| 11.06 | 4.19 ng/ul | 13510900 | Naphthalene-d8   | 10.68 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 99   |
| 2    |    | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 97   |
| 3    |    | Benzene, 1,2,4-trichloro- | 180 | C6H3Cl3 | 000120-82-1 | 97   |
| 4    |    | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 96   |
| 5    |    | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 96   |



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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response  | --Internal Standard-- |       |           |      |
|----------------------|-------|---------|-------|-----------|-----------------------|-------|-----------|------|
|                      |       |         |       |           | #                     | RT    | Resp      | Conc |
| Benzene, chloro-     | 5.22  | 42.1    | ng/ul | 213841000 | 1                     | 7.88  | 101576000 | 20.0 |
| Benzene, 1,3-dich... | 7.77  | 2.7     | ng/ul | 13827700  | 1                     | 7.88  | 101576000 | 20.0 |
| Benzene, 1,2-dich... | 8.27  | 39.4    | ng/ul | 199919000 | 1                     | 7.88  | 101576000 | 20.0 |
| Benzene, 1,2,4-tr... | 10.55 | 20.0    | ng/ul | 64500900  | 2                     | 10.68 | 64500900  | 20.0 |
| Benzene, 1,2,3-tr... | 11.06 | 4.2     | ng/ul | 13510900  | 2                     | 10.68 | 64500900  | 20.0 |