

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031317\  
 Data File : BM009249.D  
 Acq On : 14 Mar 2017 11:10  
 Operator : SJ/MA  
 Sample : I2181-19  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0BJ9

## 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\SOM02.2-EPA-2016\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         | 365          | rBV4     | 87550212       | 195388146     | 72.58%          | 22.660%       |
| 2         | 7.775       | 788           | 797         | 807          | rBV      | 16564176       | 27641137      | 10.27%          | 3.206%        |
| 3         | 7.946       | 807           | 826         | 831          | rBV3     | 86453653       | 184449077     | 68.52%          | 21.391%       |
| 4         | 8.281       | 867           | 883         | 888          | rBV4     | 93798127       | 269187440     | 100.00%         | 31.219%       |
| 5         | 10.563      | 1259          | 1271        | 1277         | rBV      | 57655312       | 107320432     | 39.87%          | 12.446%       |
| 6         | 11.069      | 1347          | 1357        | 1367         | rVB      | 19647162       | 32600842      | 12.11%          | 3.781%        |
| 7         | 13.310      | 1730          | 1738        | 1749         | rBV      | 2470938        | 3923295       | 1.46%           | 0.455%        |
| 8         | 13.922      | 1834          | 1842        | 1855         | rVB      | 2106811        | 2907722       | 1.08%           | 0.337%        |
| 9         | 14.210      | 1885          | 1891        | 1900         | rBV      | 2104949        | 3097034       | 1.15%           | 0.359%        |
| 10        | 15.510      | 2105          | 2112        | 2121         | rBV      | 2883722        | 4244654       | 1.58%           | 0.492%        |
| 11        | 17.269      | 2405          | 2411        | 2421         | rVB      | 2018305        | 2941134       | 1.09%           | 0.341%        |
| 12        | 17.363      | 2421          | 2427        | 2440         | rBV      | 3601951        | 5198780       | 1.93%           | 0.603%        |
| 13        | 19.657      | 2811          | 2817        | 2822         | rBV      | 4997144        | 6808141       | 2.53%           | 0.790%        |
| 14        | 21.439      | 3115          | 3120        | 3125         | rBV      | 3590388        | 4385614       | 1.63%           | 0.509%        |
| 15        | 23.627      | 3485          | 3492        | 3503         | rVB2     | 3940011        | 7784207       | 2.89%           | 0.903%        |
| 16        | 23.780      | 3511          | 3518        | 3528         | rVB      | 2255672        | 4385487       | 1.63%           | 0.509%        |

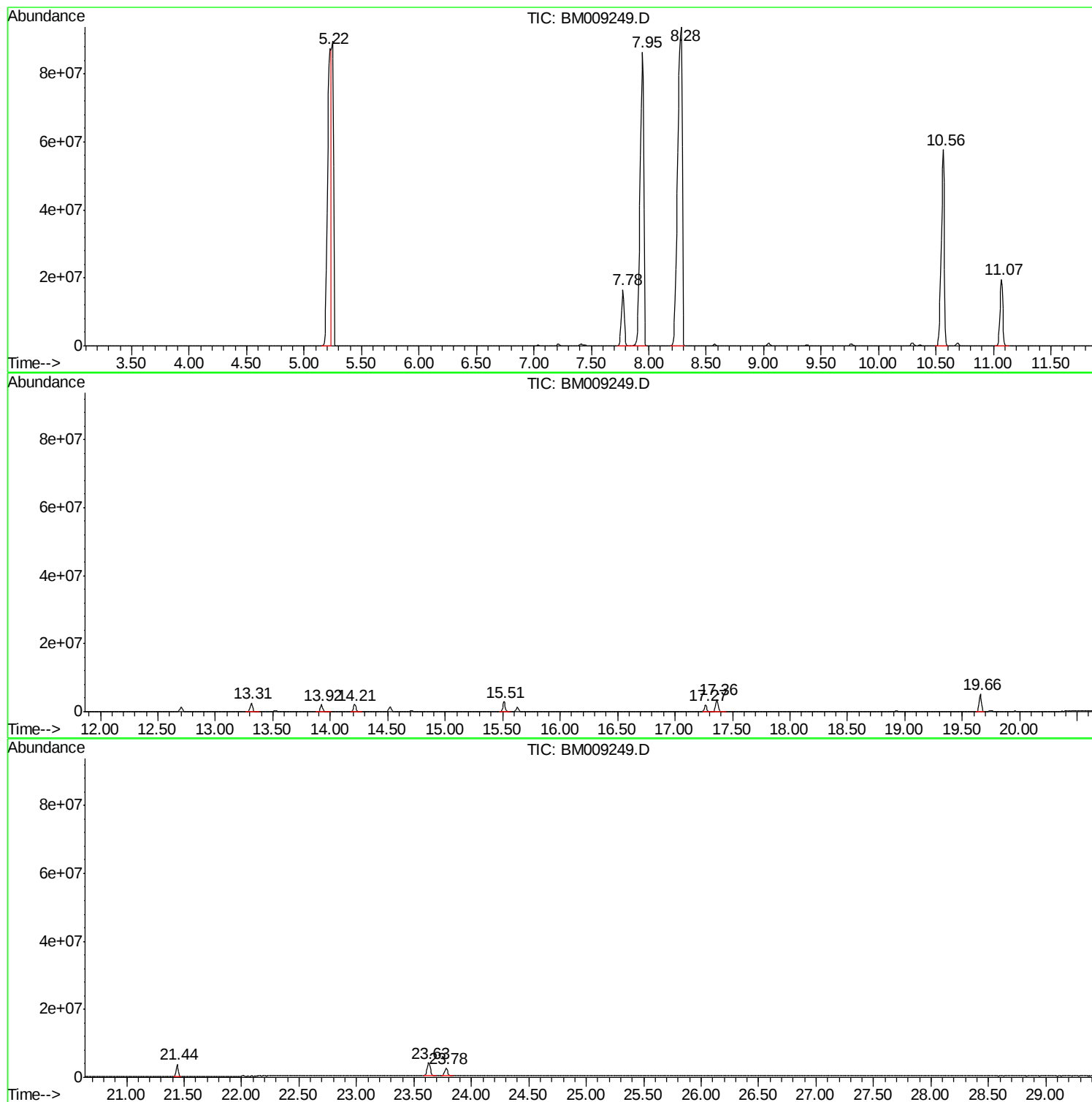
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM-EPA-BM031317MA.M  
Quant Title : SVOA CALIBRATION

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



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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM-EPA-BM031317MA.M  
Quant Title : SVOA CALIBRATION

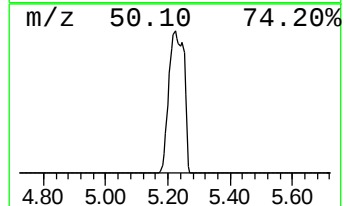
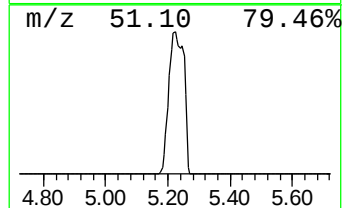
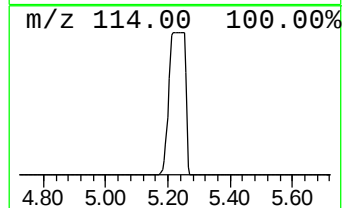
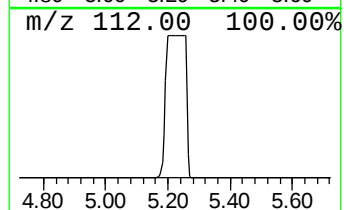
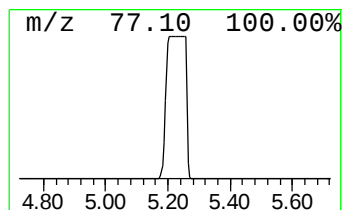
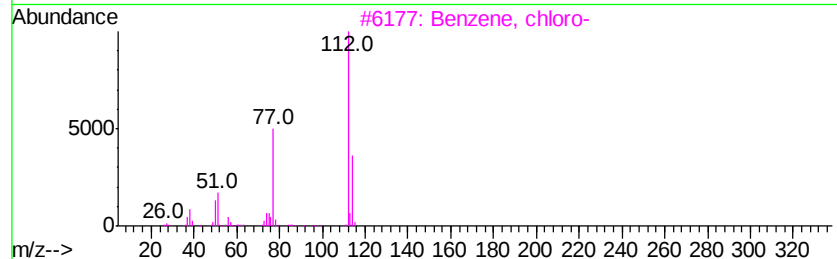
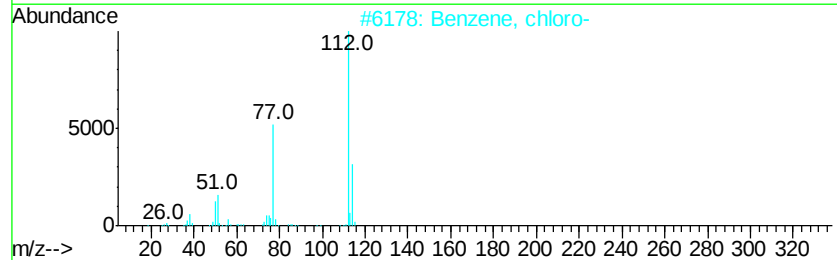
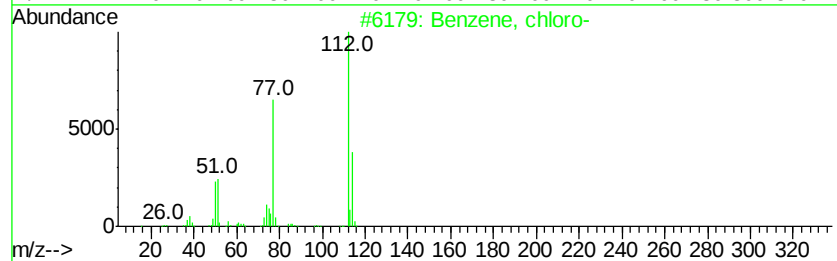
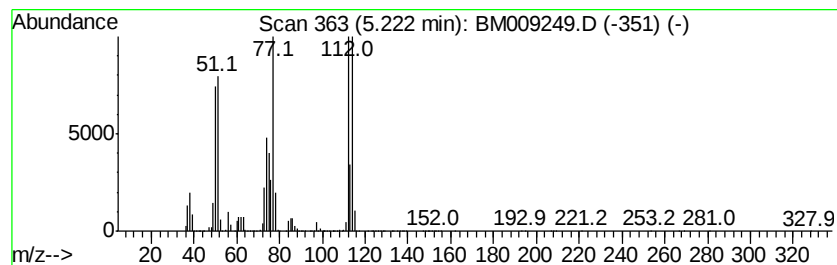
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Benzene, chloro- Concentration Rank 2

| R.T. | EstConc     | Area      | Relative to ISTD       | R.T. |
|------|-------------|-----------|------------------------|------|
| 5.22 | 21.19 ng/ul | 195388000 | 1,4-Dichlorobenzene-d4 | 7.89 |

| 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 | 10   |



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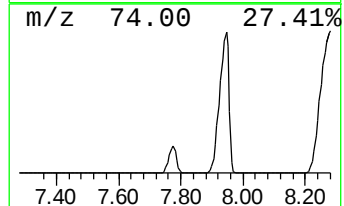
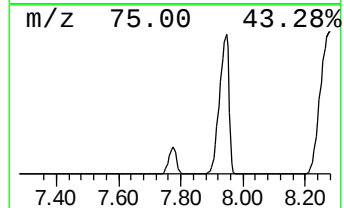
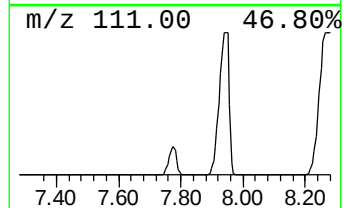
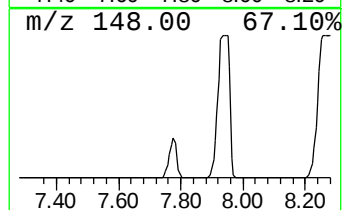
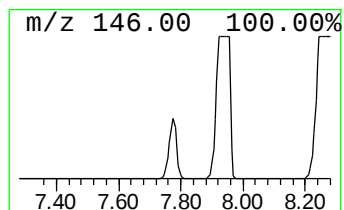
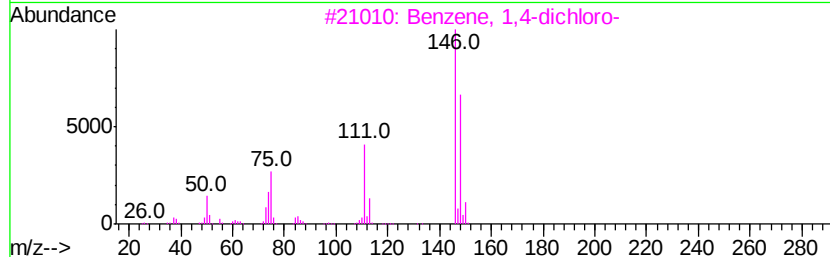
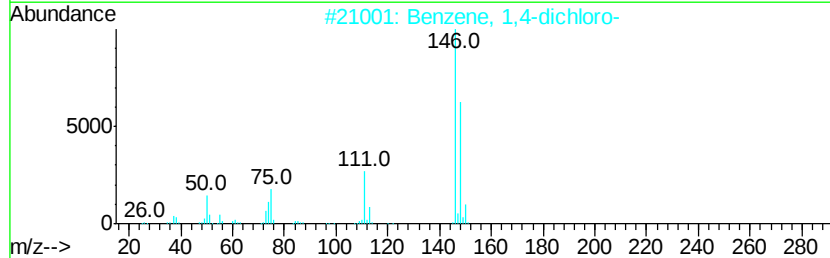
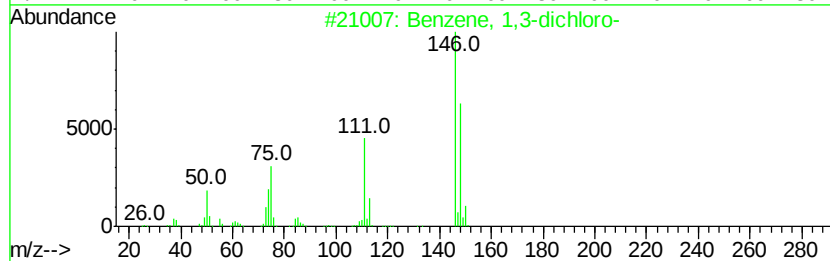
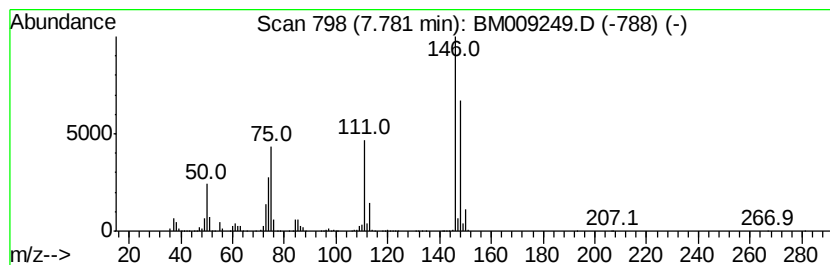
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM-EPA-BM031317MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 2 Benzene, 1,3-dichloro- Concentration Rank 6

| R.T. | EstConc    | Area     | Relative to ISTD       | R.T. |
|------|------------|----------|------------------------|------|
| 7.78 | 3.00 ng/ul | 27641100 | 1,4-Dichlorobenzene-d4 | 7.89 |

| 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, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 96   |
| 5    |    | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 96   |



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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM-EPA-BM031317MA.M  
Quant Title : SVOA CALIBRATION

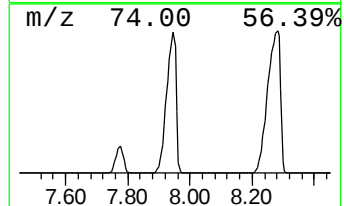
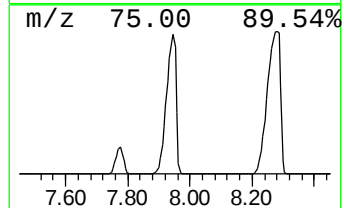
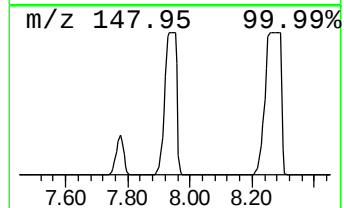
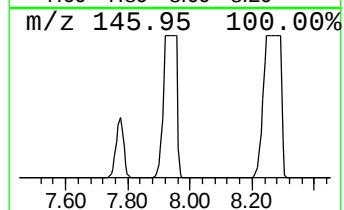
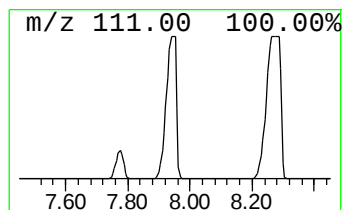
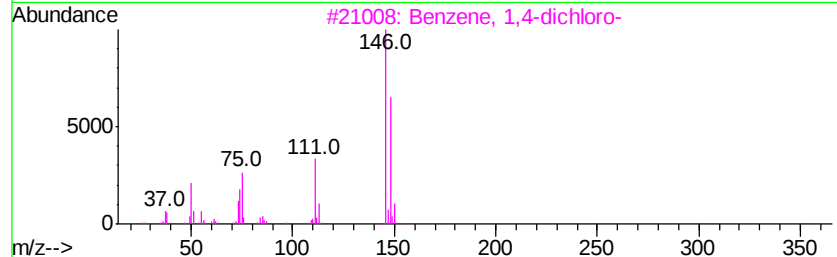
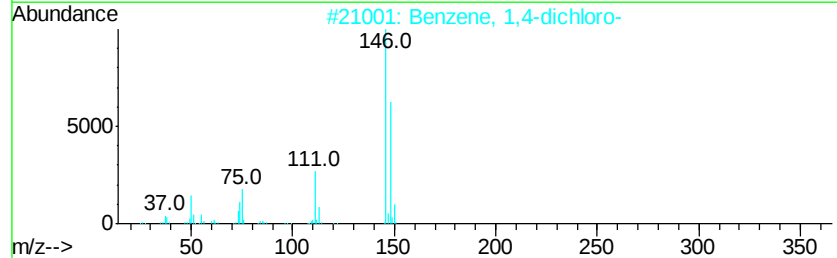
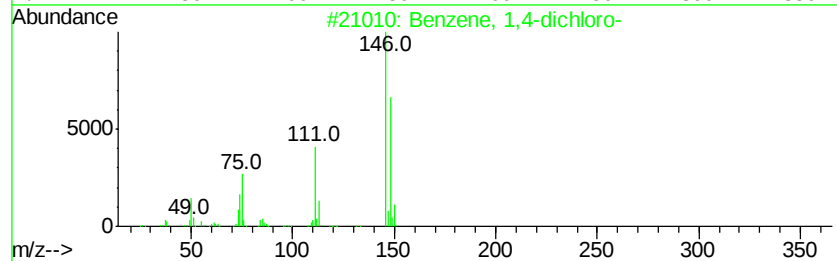
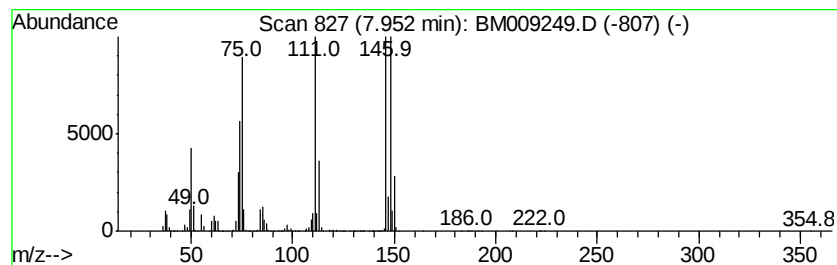
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Benzene, 1,4-dichloro- Concentration Rank 3

| R.T. | EstConc     | Area      | Relative to ISTD       | R.T. |
|------|-------------|-----------|------------------------|------|
| 7.95 | 20.00 ng/ul | 184449000 | 1,4-Dichlorobenzene-d4 | 7.89 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 95   |
| 2    |    | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 91   |
| 3    |    | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 81   |
| 4    |    | Benzene, 1,3-dichloro- | 146 | C6H4Cl2 | 000541-73-1 | 81   |
| 5    |    | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 74   |



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Instrument :  
BNA\_M  
ClientSampleId :  
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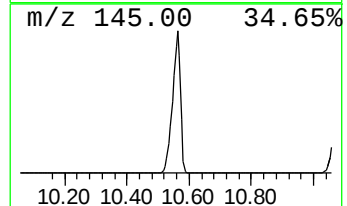
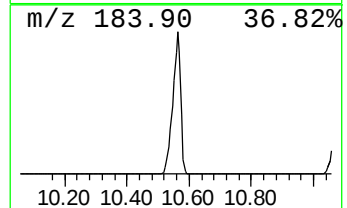
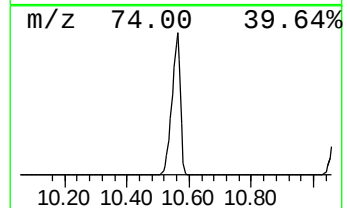
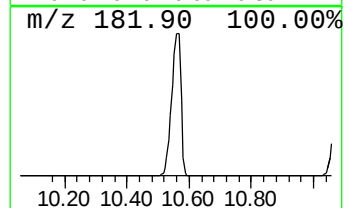
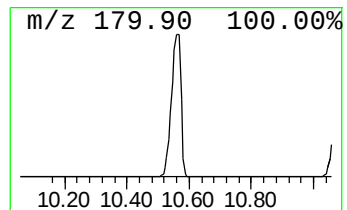
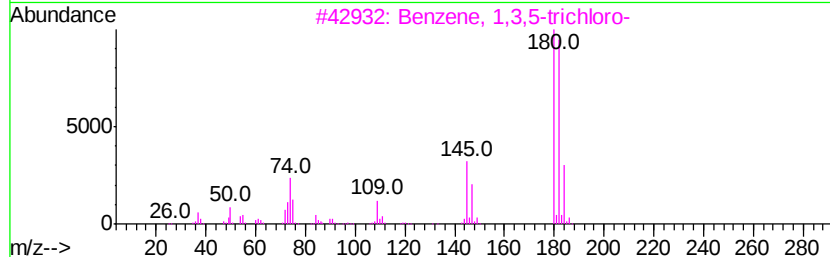
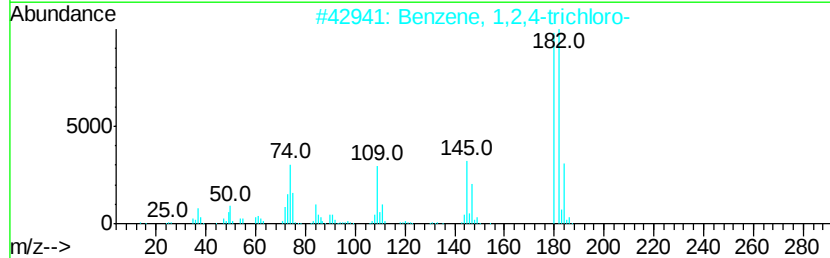
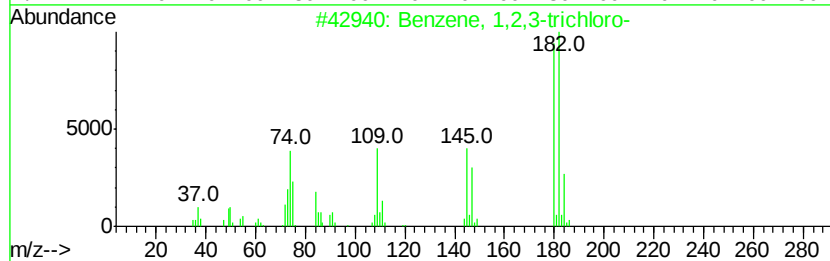
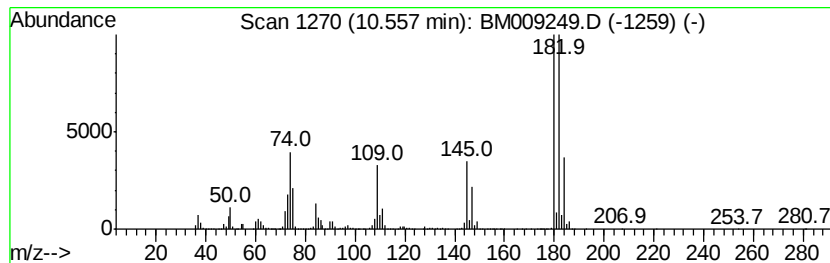
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM-EPA-BM031317MA.M  
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc     | Area      | Relative to ISTD | R.T.  |
|-------|-------------|-----------|------------------|-------|
| 10.56 | 20.00 ng/ul | 107320000 | Naphthalene-d8   | 10.69 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 98   |
| 2    |    | Benzene, 1,2,4-trichloro- | 180 | C6H3Cl3 | 000120-82-1 | 98   |
| 3    |    | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 97   |
| 4    |    | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 97   |
| 5    |    | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 96   |



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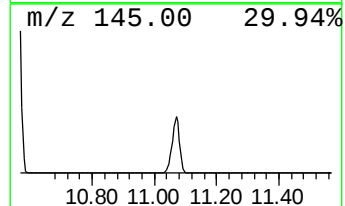
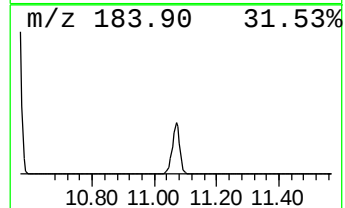
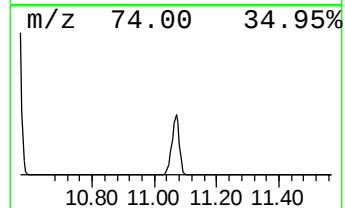
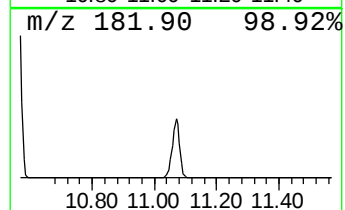
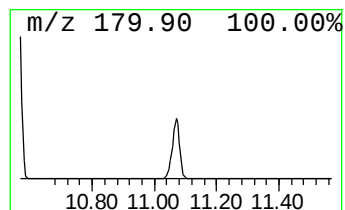
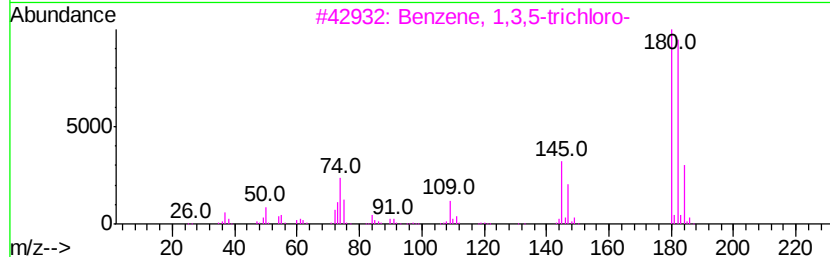
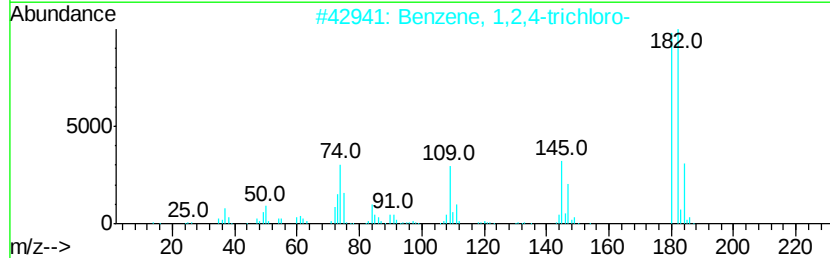
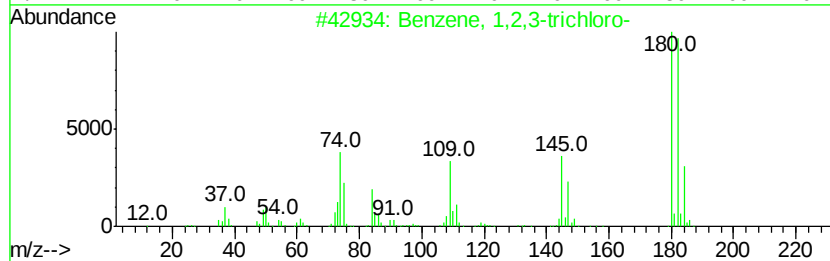
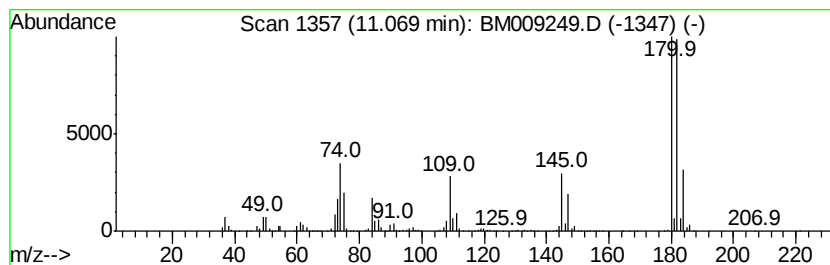
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area     | Relative to ISTD | R.T.  |
|-------|------------|----------|------------------|-------|
| 11.07 | 6.08 ng/ul | 32600800 | Napthalene-d8    | 10.69 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 98   |
| 2    |    | Benzene, 1,2,4-trichloro- | 180 | C6H3Cl3 | 000120-82-1 | 98   |
| 3    |    | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 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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ClientSampleId :  
C0BJ9

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-2016\SOM-EPA-BM031317MA.M  
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  | 21.2    | ng/ul | 195388000 | 1                     | 7.89  | 184449000 | 20.0 |
| Benzene, 1,3-dich... | 7.78  | 3.0     | ng/ul | 27641100  | 1                     | 7.89  | 184449000 | 20.0 |
| Benzene, 1,4-dich... | 7.95  | 20.0    | ng/ul | 184449000 | 1                     | 7.89  | 184449000 | 20.0 |
| Benzene, 1,2,3-tr... | 10.56 | 20.0    | ng/ul | 107320000 | 2                     | 10.69 | 107320000 | 20.0 |
| Benzene, 1,2,4-tr... | 11.07 | 6.1     | ng/ul | 32600800  | 2                     | 10.69 | 107320000 | 20.0 |