

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091918\  
 Data File : BM016808.D  
 Acq On : 19 Sep 2018 22:26  
 Operator : SJ/JU  
 Sample : J4896-14  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C08N1

## Integration Parameters: LSCINT.P

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

Filtering: 5  
 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.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         | 3.017       | 3             | 5           | 21           | rVB      | 2862572        | 3165931       | 1.81%           | 0.431%        |
| 2         | 3.270       | 44            | 48          | 54           | rVB      | 136934         | 177020        | 0.10%           | 0.024%        |
| 3         | 5.099       | 348           | 359         | 367          | rBV3     | 51585196       | 175175813     | 100.00%         | 23.871%       |
| 4         | 6.893       | 657           | 664         | 672          | rBV      | 1041231        | 1600729       | 0.91%           | 0.218%        |
| 5         | 7.069       | 687           | 694         | 707          | rBV      | 832912         | 1295955       | 0.74%           | 0.177%        |
| 6         | 7.258       | 719           | 726         | 737          | rBV      | 1088232        | 1717250       | 0.98%           | 0.234%        |
| 7         | 7.622       | 778           | 788         | 799          | rBV      | 23331256       | 40066016      | 22.87%          | 5.460%        |
| 8         | 7.787       | 799           | 816         | 822          | rBV2     | 51986821       | 127111216     | 72.56%          | 17.322%       |
| 9         | 8.110       | 852           | 871         | 876          | rBV2     | 50726099       | 132248816     | 75.49%          | 18.022%       |
| 10        | 8.422       | 917           | 924         | 933          | rBV      | 1280595        | 2008941       | 1.15%           | 0.274%        |
| 11        | 8.875       | 994           | 1001        | 1005         | rBV      | 983095         | 1582094       | 0.90%           | 0.216%        |
| 12        | 8.916       | 1005          | 1008        | 1018         | rVB      | 182806         | 276365        | 0.16%           | 0.038%        |
| 13        | 9.210       | 1050          | 1058        | 1065         | rVB      | 1097086        | 1827306       | 1.04%           | 0.249%        |
| 14        | 9.434       | 1089          | 1096        | 1100         | rBV      | 330575         | 544410        | 0.31%           | 0.074%        |
| 15        | 9.481       | 1100          | 1104        | 1106         | rVV      | 306631         | 504003        | 0.29%           | 0.069%        |
| 16        | 9.516       | 1106          | 1110        | 1117         | rVV      | 615434         | 1141736       | 0.65%           | 0.156%        |
| 17        | 9.593       | 1117          | 1123        | 1128         | rVV      | 726871         | 1153415       | 0.66%           | 0.157%        |
| 18        | 9.652       | 1128          | 1133        | 1143         | rVB      | 176469         | 290825        | 0.17%           | 0.040%        |
| 19        | 9.887       | 1166          | 1173        | 1185         | rVB      | 103109         | 186930        | 0.11%           | 0.025%        |
| 20        | 10.128      | 1206          | 1214        | 1221         | rBV      | 1192054        | 2040364       | 1.16%           | 0.278%        |
| 21        | 10.399      | 1246          | 1260        | 1266         | rBV2     | 52355842       | 130330954     | 74.40%          | 17.760%       |
| 22        | 10.516      | 1273          | 1280        | 1286         | rBV      | 1692666        | 2650856       | 1.51%           | 0.361%        |
| 23        | 10.646      | 1295          | 1302        | 1311         | rVB      | 1101061        | 1863619       | 1.06%           | 0.254%        |
| 24        | 10.899      | 1335          | 1345        | 1353         | rBV      | 22512107       | 38881057      | 22.20%          | 5.298%        |
| 25        | 11.793      | 1487          | 1497        | 1509         | rBV3     | 86084          | 193154        | 0.11%           | 0.026%        |
| 26        | 12.504      | 1611          | 1618        | 1620         | rBV2     | 554619         | 895196        | 0.51%           | 0.122%        |
| 27        | 12.540      | 1620          | 1624        | 1631         | rVB      | 1867831        | 2929979       | 1.67%           | 0.399%        |
| 28        | 12.775      | 1658          | 1664        | 1670         | rBV      | 154878         | 243618        | 0.14%           | 0.033%        |
| 29        | 13.151      | 1721          | 1728        | 1740         | rVB      | 8396579        | 12722026      | 7.26%           | 1.734%        |
| 30        | 13.775      | 1828          | 1834        | 1838         | rBV      | 2039002        | 2689882       | 1.54%           | 0.367%        |
| 31        | 13.816      | 1838          | 1841        | 1851         | rVB      | 230158         | 331377        | 0.19%           | 0.045%        |
| 32        | 14.051      | 1870          | 1881        | 1888         | rBV      | 2477311        | 3574901       | 2.04%           | 0.487%        |
| 33        | 14.363      | 1924          | 1934        | 1944         | rBV2     | 2277334        | 3433117       | 1.96%           | 0.468%        |
| 34        | 14.557      | 1961          | 1967        | 1976         | rVB      | 994712         | 1366255       | 0.78%           | 0.186%        |

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BNA\_M  
ClientSampleId :  
C08N1

## Integration Parameters: LSCINT.P

Integrator: RTE  
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Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |       |        |
|----|--------|------|------|------|------|---------|---------|-------|--------|
| 35 | 14.675 | 1981 | 1987 | 1994 | rVB  | 515091  | 748728  | 0.43% | 0.102% |
| 36 | 14.845 | 2010 | 2016 | 2023 | rBV2 | 134848  | 204616  | 0.12% | 0.028% |
| 37 | 15.357 | 2095 | 2103 | 2113 | rBV  | 3209681 | 4408411 | 2.52% | 0.601% |
| 38 | 15.469 | 2116 | 2122 | 2131 | rBV  | 715095  | 1010725 | 0.58% | 0.138% |
| 39 | 16.069 | 2218 | 2224 | 2231 | rBV  | 142339  | 203949  | 0.12% | 0.028% |
| 40 | 17.110 | 2394 | 2401 | 2407 | rBV  | 2802853 | 3916833 | 2.24% | 0.534% |
| 41 | 17.210 | 2411 | 2418 | 2432 | rBV2 | 3236824 | 4731878 | 2.70% | 0.645% |
| 42 | 17.357 | 2438 | 2443 | 2449 | rVB  | 128899  | 177872  | 0.10% | 0.024% |
| 43 | 19.504 | 2802 | 2808 | 2816 | rBV  | 4325132 | 5675972 | 3.24% | 0.773% |
| 44 | 21.298 | 3107 | 3113 | 3125 | rBV  | 3985675 | 5038517 | 2.88% | 0.687% |
| 45 | 23.392 | 3462 | 3469 | 3476 | rBV  | 3426328 | 6234515 | 3.56% | 0.850% |
| 46 | 23.533 | 3486 | 3493 | 3509 | rVB2 | 2769050 | 5259340 | 3.00% | 0.717% |

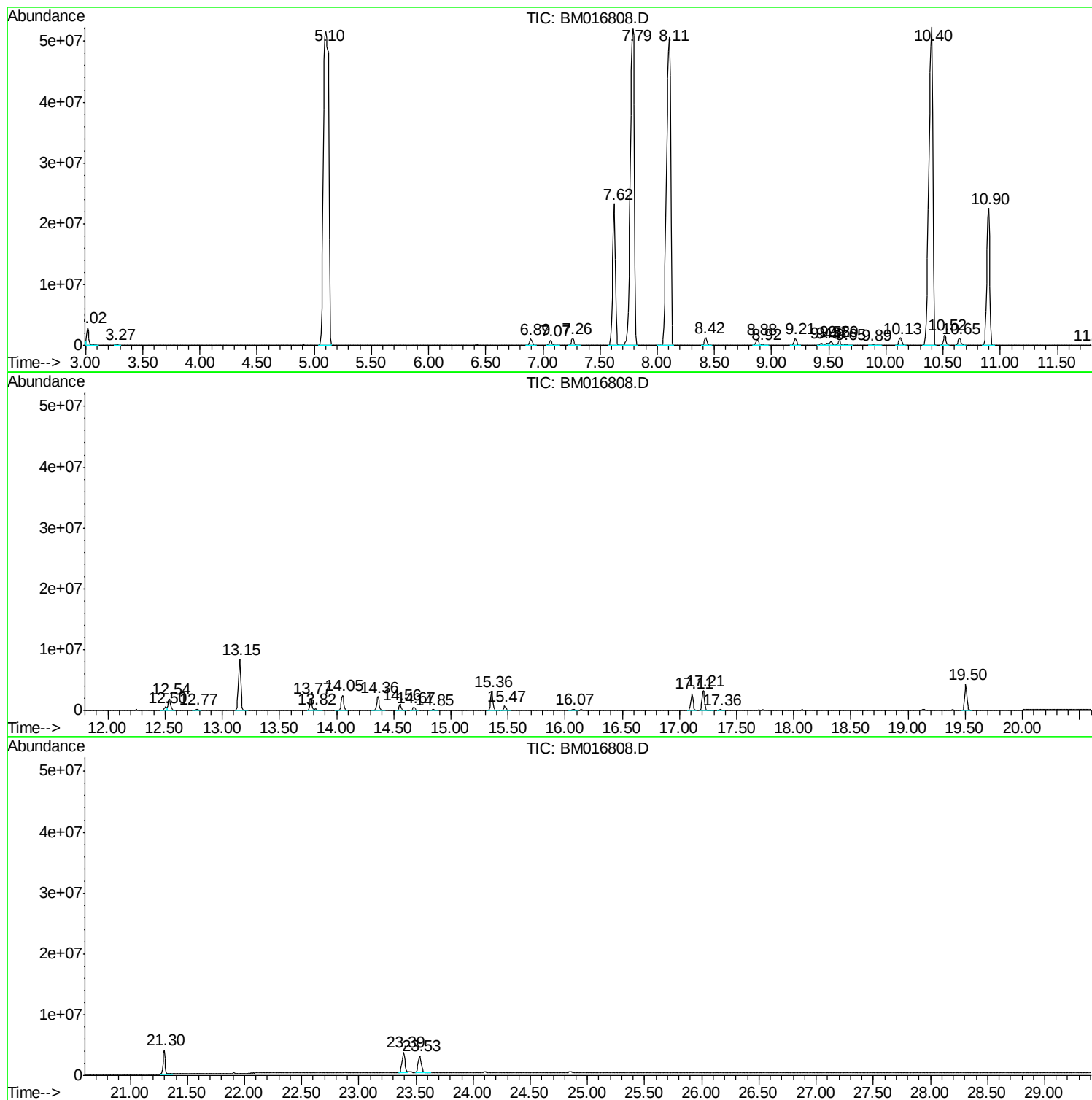
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

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



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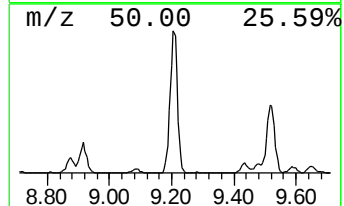
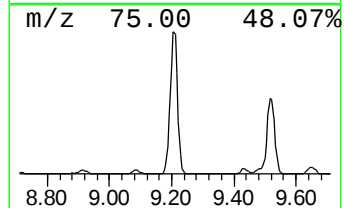
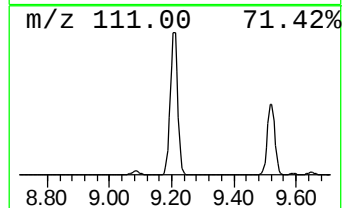
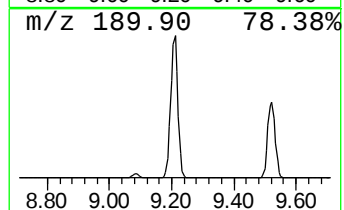
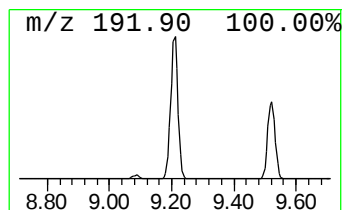
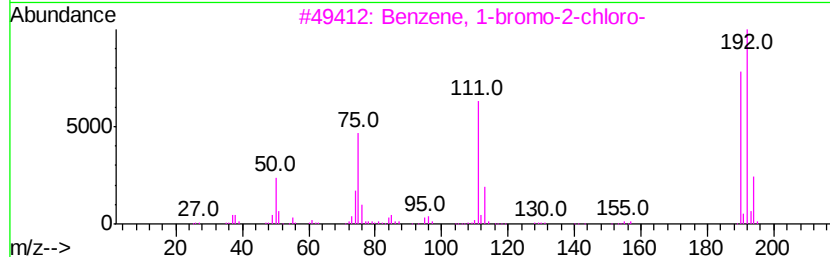
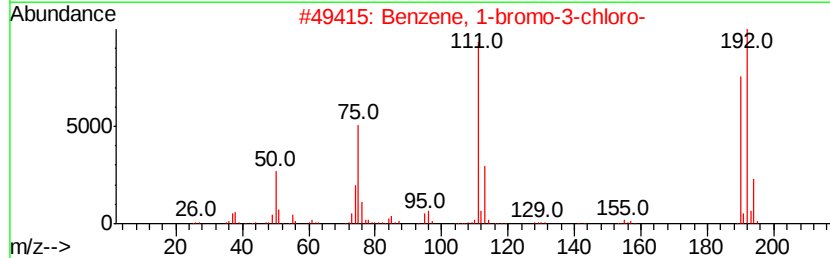
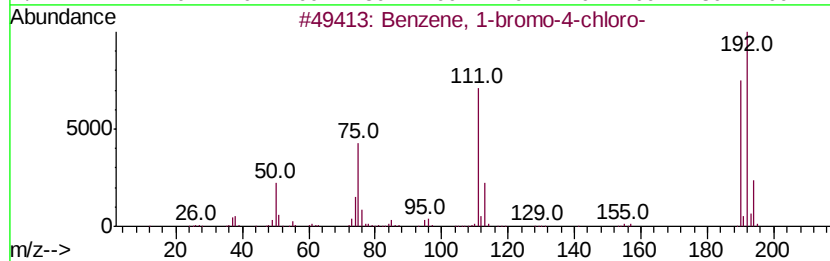
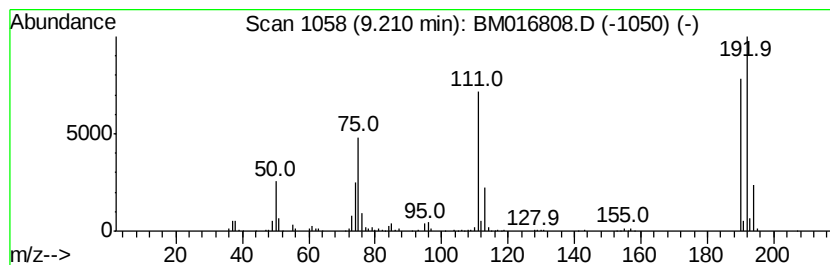
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 5 Benzene, 1-bromo-4-chloro- Concentration Rank 6

| R.T. | EstConc     | Area    | Relative to ISTD | R.T.  |
|------|-------------|---------|------------------|-------|
| 9.21 | 13.79 ng/ul | 1827310 | Napthalene-d8    | 10.52 |

| Hit# | of | Tentative ID               | MW  | MolForm  | CAS#        | Qual |
|------|----|----------------------------|-----|----------|-------------|------|
| 1    | 5  | Benzene, 1-bromo-4-chloro- | 190 | C6H4BrCl | 000106-39-8 | 98   |
| 2    |    | Benzene, 1-bromo-3-chloro- | 190 | C6H4BrCl | 000108-37-2 | 98   |
| 3    |    | Benzene, 1-bromo-2-chloro- | 190 | C6H4BrCl | 000694-80-4 | 98   |
| 4    |    | Benzene, 1-bromo-3-chloro- | 190 | C6H4BrCl | 000108-37-2 | 98   |
| 5    |    | Benzene, 1-bromo-2-chloro- | 190 | C6H4BrCl | 000694-80-4 | 97   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

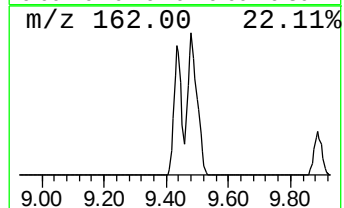
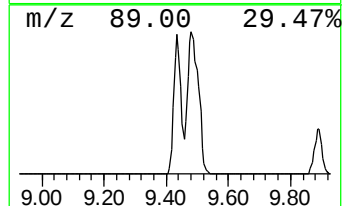
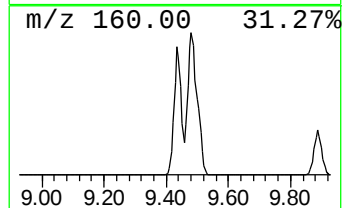
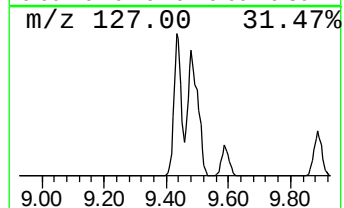
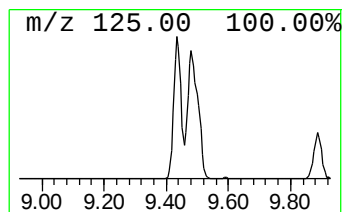
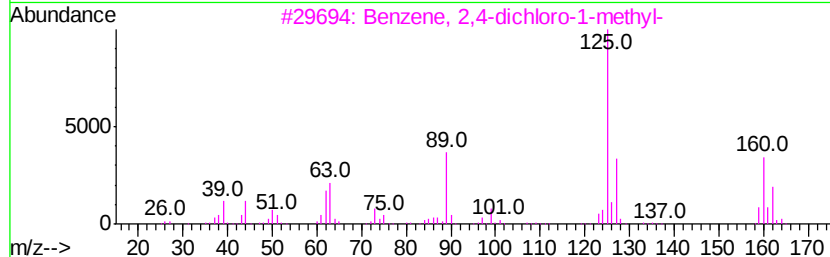
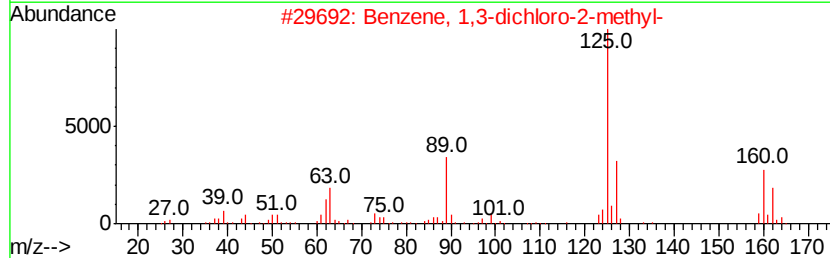
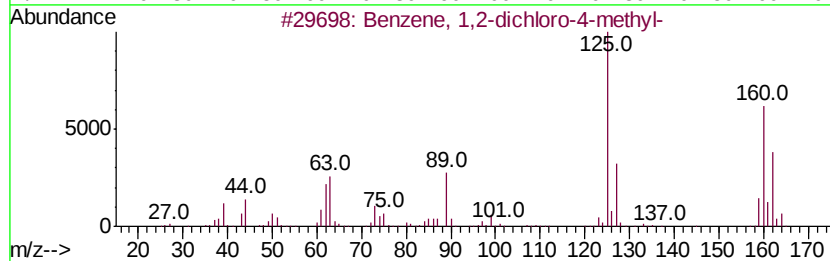
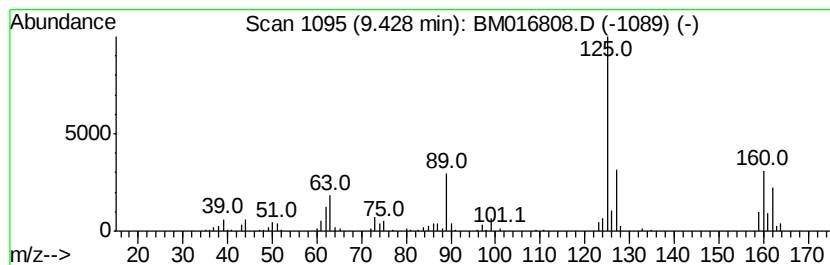
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Benzene, 1,2-dichloro-4-met... Concentration Rank 9

| R.T. | EstConc    | Area   | Relative to ISTD | R.T.  |
|------|------------|--------|------------------|-------|
| 9.43 | 4.11 ng/ul | 544410 | Naphthalene-d8   | 10.52 |

| Hit# of | 5                               | Tentative ID | MW      | MolForm     | CAS# | Qual |
|---------|---------------------------------|--------------|---------|-------------|------|------|
| 1       | Benzene, 1,2-dichloro-4-methyl- | 160          | C7H6Cl2 | 000095-75-0 | 97   |      |
| 2       | Benzene, 1,3-dichloro-2-methyl- | 160          | C7H6Cl2 | 000118-69-4 | 97   |      |
| 3       | Benzene, 2,4-dichloro-1-methyl- | 160          | C7H6Cl2 | 000095-73-8 | 96   |      |
| 4       | Benzene, 1,3-dichloro-2-methyl- | 160          | C7H6Cl2 | 000118-69-4 | 96   |      |
| 5       | Benzene, 1,2-dichloro-3-methyl- | 160          | C7H6Cl2 | 032768-54-0 | 96   |      |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION

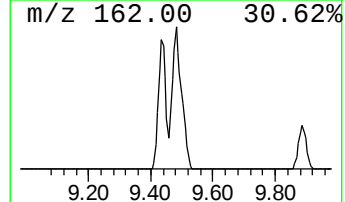
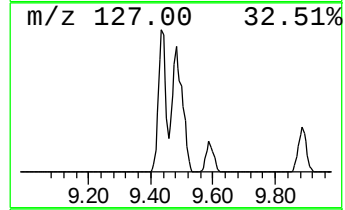
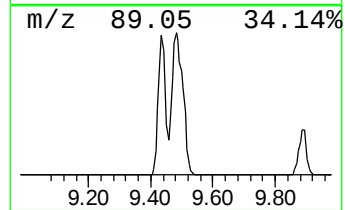
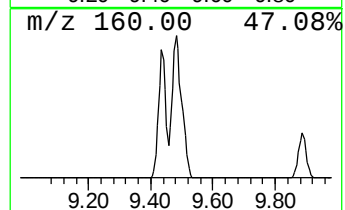
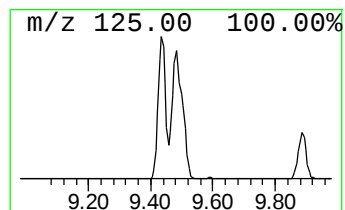
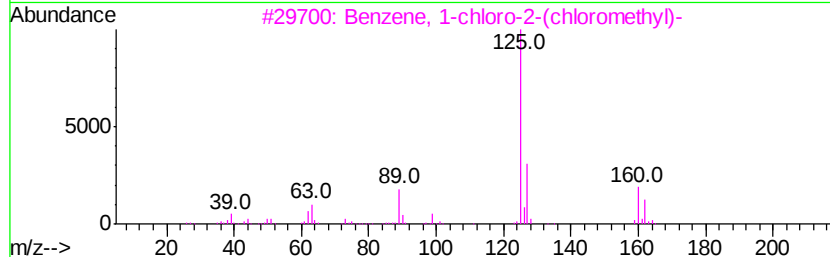
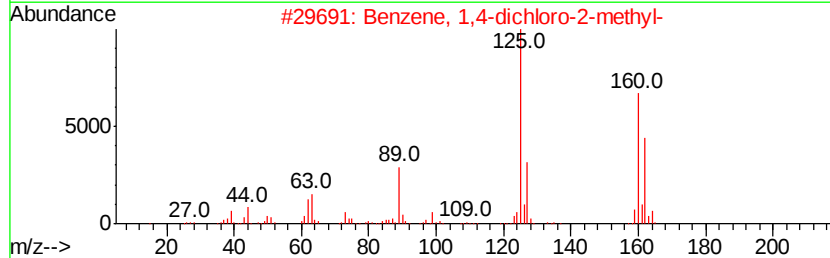
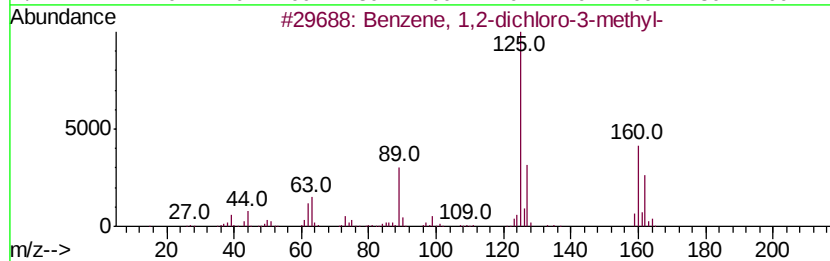
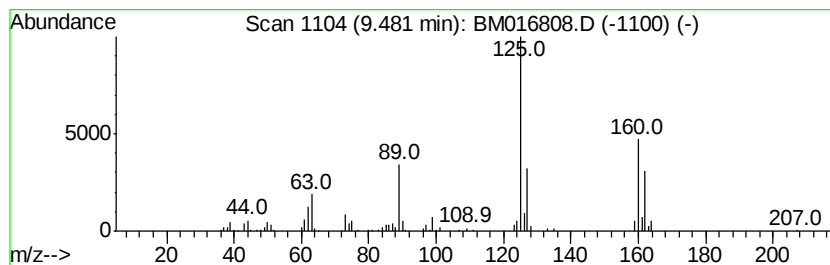
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Benzene, 1,2-dichloro-3-met... Concentration Rank 10

| R.T. | EstConc    | Area   | Relative to ISTD | R.T.  |
|------|------------|--------|------------------|-------|
| 9.48 | 3.80 ng/ul | 504003 | Napthalene-d8    | 10.52 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2-dichloro-3-methyl-     | 160 | C7H6Cl2 | 032768-54-0 | 98   |
| 2    |    | Benzene, 1,4-dichloro-2-methyl-     | 160 | C7H6Cl2 | 019398-61-9 | 96   |
| 3    |    | Benzene, 1-chloro-2-(chloromethyl)- | 160 | C7H6Cl2 | 000611-19-8 | 96   |
| 4    |    | Benzene, 1,2-dichloro-3-methyl-     | 160 | C7H6Cl2 | 032768-54-0 | 96   |
| 5    |    | Benzene, 1,4-dichloro-2-methyl-     | 160 | C7H6Cl2 | 019398-61-9 | 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, 1-bromo-... | 9.21 | 13.8    | ng/ul | 1827310  | 2                     | 10.52 | 2650860 | 20.0 |
| Benzene, 1,2-dich... | 9.43 | 4.1     | ng/ul | 544410   | 2                     | 10.52 | 2650860 | 20.0 |
| Benzene, 1,2-dich... | 9.48 | 3.8     | ng/ul | 504003   | 2                     | 10.52 | 2650860 | 20.0 |