

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081816\  
 Data File : BM007180.D  
 Acq On : 17 Aug 2016 15:45  
 Operator : UM/SJ  
 Sample : H4392-05  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BDJX4

## 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-BM081116.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         | 2.722       | 18            | 23          | 38           | rVB      | 187037         | 452295        | 5.49%           | 0.572%        |
| 2         | 2.993       | 63            | 69          | 84           | rVB      | 353376         | 739729        | 8.98%           | 0.935%        |
| 3         | 6.969       | 739           | 745         | 758          | rVB      | 952477         | 1641664       | 19.94%          | 2.075%        |
| 4         | 7.139       | 767           | 774         | 784          | rVB      | 732743         | 1129641       | 13.72%          | 1.428%        |
| 5         | 7.339       | 800           | 808         | 817          | rBV      | 996774         | 1595075       | 19.37%          | 2.016%        |
| 6         | 7.804       | 880           | 887         | 895          | rBV      | 1132614        | 1802655       | 21.89%          | 2.279%        |
| 7         | 8.504       | 998           | 1006        | 1017         | rBV      | 958228         | 1567060       | 19.03%          | 1.981%        |
| 8         | 8.957       | 1076          | 1083        | 1094         | rBV      | 916495         | 1516624       | 18.42%          | 1.917%        |
| 9         | 9.675       | 1198          | 1205        | 1218         | rBV      | 782366         | 1302825       | 15.82%          | 1.647%        |
| 10        | 10.210      | 1289          | 1296        | 1307         | rBV      | 1204503        | 2048849       | 24.88%          | 2.590%        |
| 11        | 10.592      | 1353          | 1361        | 1369         | rBV      | 1417287        | 2438029       | 29.61%          | 3.082%        |
| 12        | 10.722      | 1375          | 1383        | 1396         | rBV      | 931605         | 1694109       | 20.57%          | 2.142%        |
| 13        | 13.845      | 1907          | 1914        | 1918         | rBV      | 2219222        | 3148208       | 38.23%          | 3.980%        |
| 14        | 13.892      | 1918          | 1922        | 1931         | rVB      | 1228152        | 1672813       | 20.31%          | 2.115%        |
| 15        | 14.127      | 1955          | 1962        | 1975         | rVB      | 2415069        | 3670806       | 44.58%          | 4.641%        |
| 16        | 14.433      | 2007          | 2014        | 2022         | rBV2     | 2007440        | 3179647       | 38.61%          | 4.020%        |
| 17        | 14.627      | 2040          | 2047        | 2065         | rBV      | 741775         | 1169394       | 14.20%          | 1.478%        |
| 18        | 15.292      | 2156          | 2160        | 2166         | rVB      | 73220          | 92930         | 1.13%           | 0.117%        |
| 19        | 15.427      | 2176          | 2183        | 2189         | rBV      | 3280938        | 4689979       | 56.95%          | 5.929%        |
| 20        | 15.545      | 2197          | 2203        | 2213         | rBV      | 640226         | 901919        | 10.95%          | 1.140%        |
| 21        | 15.668      | 2216          | 2224        | 2228         | rBV      | 52787          | 100483        | 1.22%           | 0.127%        |
| 22        | 16.151      | 2301          | 2306        | 2314         | rBV      | 107032         | 183145        | 2.22%           | 0.232%        |
| 23        | 16.939      | 2436          | 2440        | 2447         | rBV3     | 53998          | 84731         | 1.03%           | 0.107%        |
| 24        | 17.180      | 2472          | 2481        | 2485         | rBV      | 2685966        | 4036511       | 49.02%          | 5.103%        |
| 25        | 17.221      | 2485          | 2488        | 2492         | rVV      | 348467         | 461616        | 5.61%           | 0.584%        |
| 26        | 17.274      | 2492          | 2497        | 2508         | rVB2     | 3588769        | 5384323       | 65.38%          | 6.807%        |
| 27        | 17.574      | 2537          | 2548        | 2558         | rBV3     | 39724          | 122231        | 1.48%           | 0.155%        |
| 28        | 18.068      | 2625          | 2632        | 2635         | rBV2     | 123402         | 227617        | 2.76%           | 0.288%        |
| 29        | 18.098      | 2635          | 2637        | 2642         | rVB2     | 66695          | 92022         | 1.12%           | 0.116%        |
| 30        | 18.245      | 2656          | 2662        | 2666         | rBV3     | 85152          | 149687        | 1.82%           | 0.189%        |
| 31        | 18.968      | 2779          | 2785        | 2791         | rBV3     | 50086          | 97870         | 1.19%           | 0.124%        |
| 32        | 19.233      | 2821          | 2830        | 2836         | rVV      | 792679         | 1123289       | 13.64%          | 1.420%        |
| 33        | 19.568      | 2881          | 2887        | 2900         | rBV2     | 5064513        | 7869657       | 95.57%          | 9.949%        |
| 34        | 19.915      | 2942          | 2946        | 2954         | rBV3     | 51296          | 125986        | 1.53%           | 0.159%        |

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Sampling : 1  
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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

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Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 20.092 | 2972 | 2976 | 2982 | rVB  | 121436  | 188361  | 2.29%   | 0.238%  |
| 36 | 20.192 | 2990 | 2993 | 2997 | rVB  | 79687   | 94189   | 1.14%   | 0.119%  |
| 37 | 20.250 | 2998 | 3003 | 3007 | rBV3 | 67186   | 104168  | 1.26%   | 0.132%  |
| 38 | 21.074 | 3139 | 3143 | 3149 | rVB3 | 225202  | 345345  | 4.19%   | 0.437%  |
| 39 | 21.356 | 3184 | 3191 | 3195 | rBV  | 4453681 | 6181366 | 75.06%  | 7.814%  |
| 40 | 21.391 | 3195 | 3197 | 3206 | rVB  | 412205  | 518614  | 6.30%   | 0.656%  |
| 41 | 21.515 | 3214 | 3218 | 3222 | rBV  | 83274   | 116093  | 1.41%   | 0.147%  |
| 42 | 22.944 | 3456 | 3461 | 3467 | rBV2 | 419856  | 956511  | 11.62%  | 1.209%  |
| 43 | 23.432 | 3539 | 3544 | 3546 | rBV  | 185215  | 304813  | 3.70%   | 0.385%  |
| 44 | 23.485 | 3546 | 3553 | 3569 | rVB2 | 3793965 | 8234860 | 100.00% | 10.410% |
| 45 | 23.632 | 3570 | 3578 | 3585 | rBV  | 2726904 | 5544443 | 67.33%  | 7.009%  |

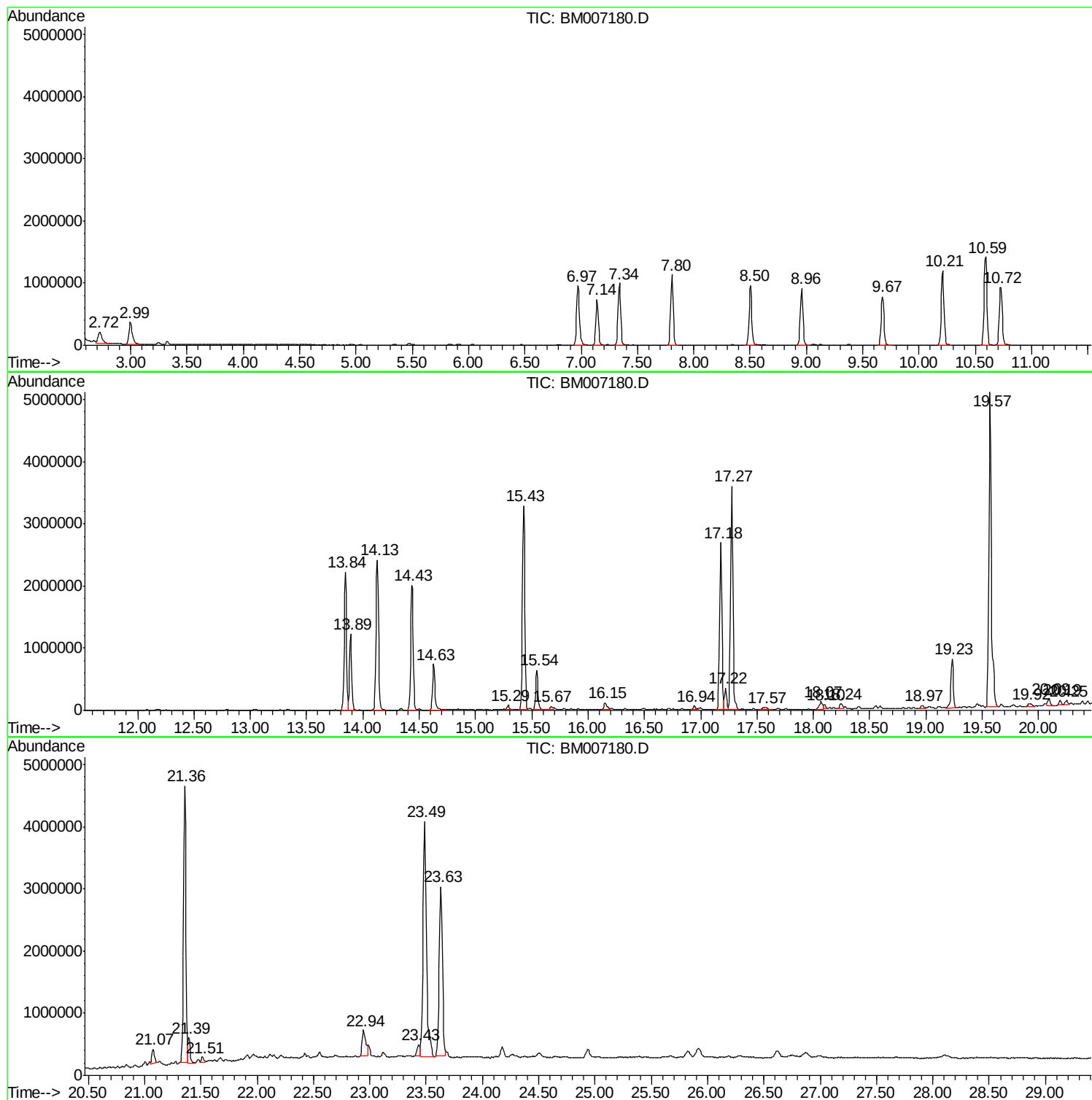
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081116.M  
Quant Title : SVOA CALIBRATION

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



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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081116.M  
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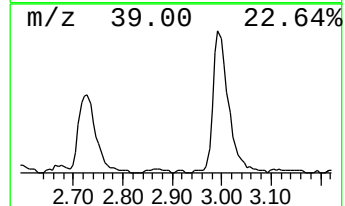
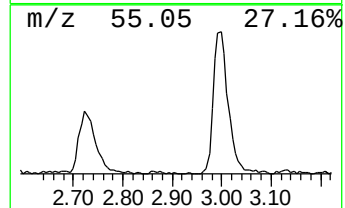
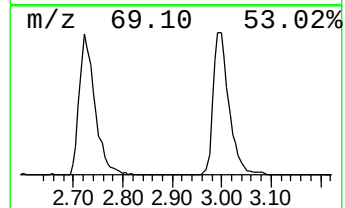
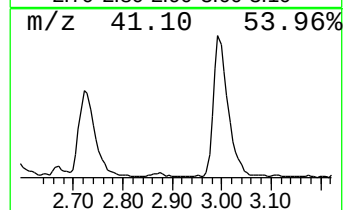
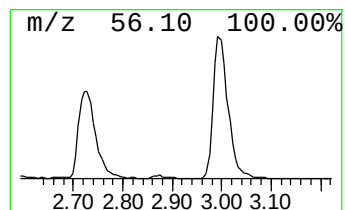
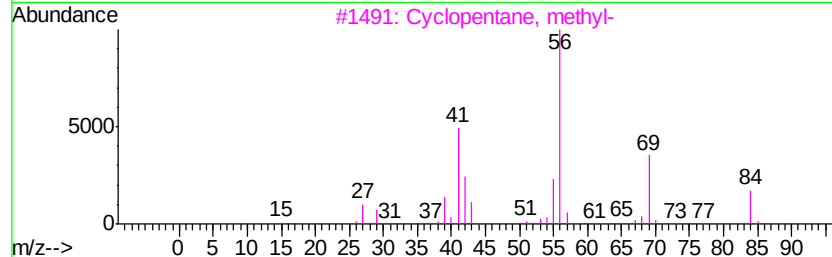
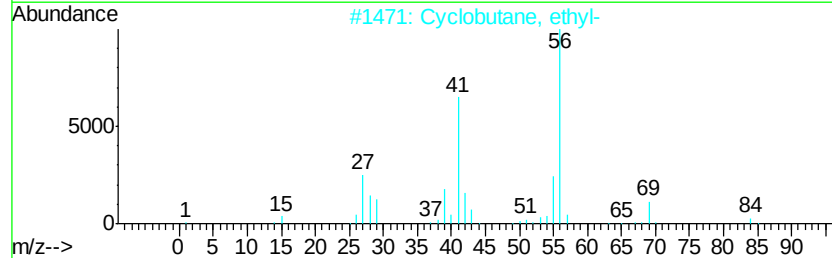
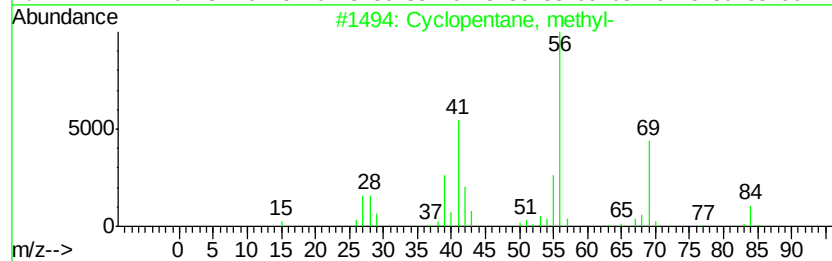
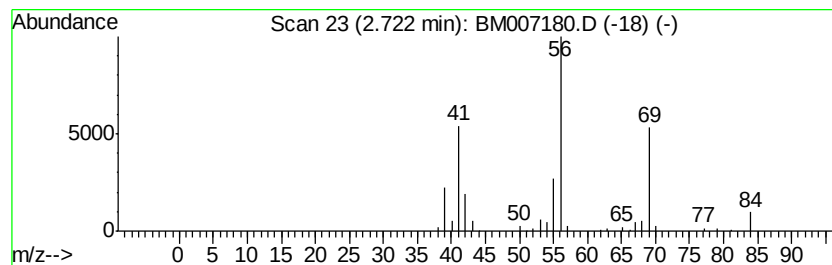
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Cyclic2.72 Concentration Rank 2

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 2.72 | 5.02 ng/ul | 452295 | 1,4-Dichlorobenzene-d4 | 7.80 |

| Hit# | of | Tentative ID                | MW | MolForm | CAS#        | Qual |
|------|----|-----------------------------|----|---------|-------------|------|
| 1    | 5  | Cyclopentane, methyl-       | 84 | C6H12   | 000096-37-7 | 91   |
| 2    |    | Cyclobutane, ethyl-         | 84 | C6H12   | 004806-61-5 | 86   |
| 3    |    | Cyclopentane, methyl-       | 84 | C6H12   | 000096-37-7 | 78   |
| 4    |    | Cyclobutane, ethyl-         | 84 | C6H12   | 004806-61-5 | 72   |
| 5    |    | Cyclopentane, 1,1-dimethyl- | 98 | C7H14   | 001638-26-2 | 64   |



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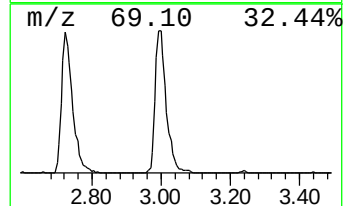
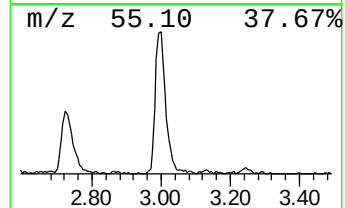
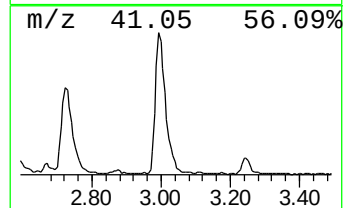
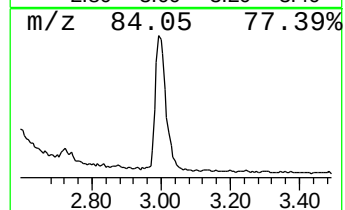
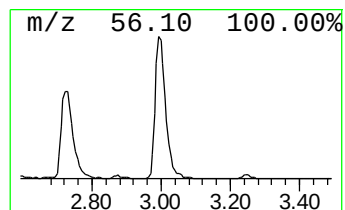
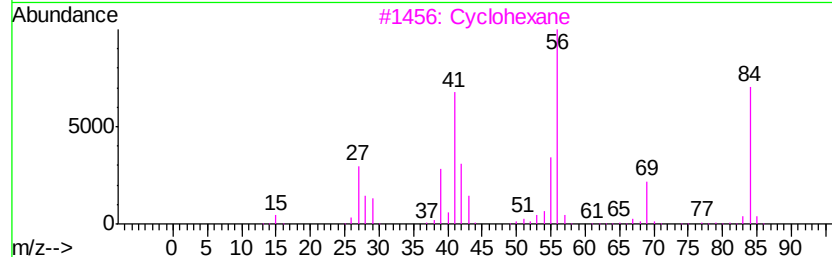
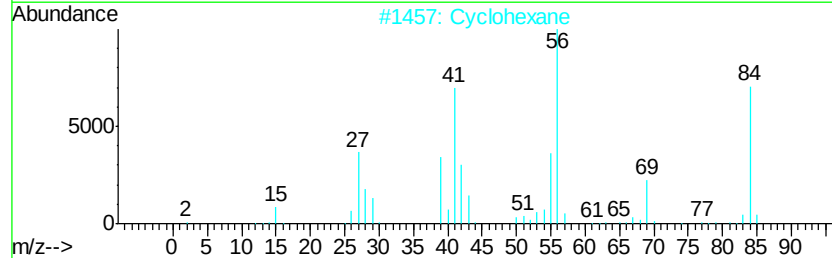
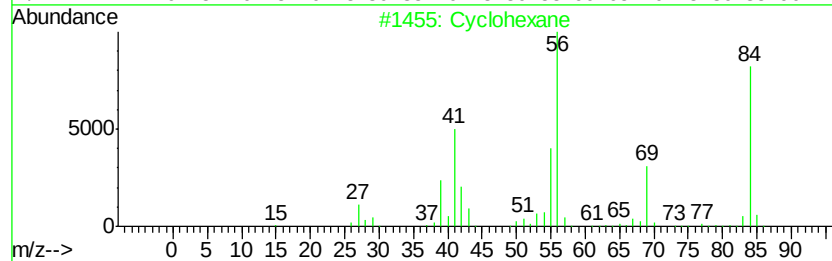
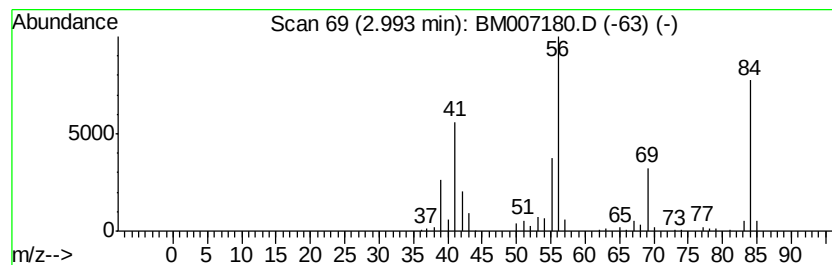
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Cyclic2.99 Concentration Rank 1

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 2.99 | 8.21 ng/ul | 739729 | 1,4-Dichlorobenzene-d4 | 7.80 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane        | 84  | C6H12   | 000110-82-7 | 95   |
| 2    |    | Cyclohexane        | 84  | C6H12   | 000110-82-7 | 91   |
| 3    |    | Cyclohexane        | 84  | C6H12   | 000110-82-7 | 91   |
| 4    |    | Cyclohexane        | 84  | C6H12   | 000110-82-7 | 91   |
| 5    |    | 2-Acetylpiperidine | 127 | C7H13NO | 097073-22-8 | 72   |



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|                      |      |         |       |          | --Internal Standard-- |      |         |      |
|----------------------|------|---------|-------|----------|-----------------------|------|---------|------|
| TIC Top Hit name     | RT   | EstConc | Units | Response | #                     | RT   | Resp    | Conc |
| (DEL) Alkane: Cyc... | 2.72 | 5.0     | ng/ul | 452295   | 1                     | 7.80 | 1802660 | 20.0 |
| (DEL) Alkane: Cyc... | 2.99 | 8.2     | ng/ul | 739729   | 1                     | 7.80 | 1802660 | 20.0 |