

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102919\  
 Data File : VV013408.D  
 Acq On : 29 Oct 2019 21:05  
 Operator : SY/MD  
 Sample : K5597-06  
 Misc : 25.0ML/MSVOA V/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAQD7

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.1

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\_V\METHOD\SOMVTR102919WMA.M

Title : TRACE VOA SOM01.0

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         | 1.116       | 3             | 8           | 25           | rVB2     | 180050         | 189884        | 7.00%           | 0.773%        |
| 2         | 1.206       | 29            | 36          | 49           | rBV      | 752399         | 1043045       | 38.45%          | 4.245%        |
| 3         | 1.319       | 63            | 71          | 81           | rVB2     | 333269         | 363806        | 13.41%          | 1.481%        |
| 4         | 1.582       | 147           | 153         | 166          | rVV      | 201144         | 237085        | 8.74%           | 0.965%        |
| 5         | 1.650       | 168           | 174         | 182          | rVB2     | 89517          | 107676        | 3.97%           | 0.438%        |
| 6         | 2.132       | 315           | 324         | 335          | rVB      | 384440         | 549351        | 20.25%          | 2.236%        |
| 7         | 2.560       | 451           | 457         | 463          | rVV2     | 21541          | 28119         | 1.04%           | 0.114%        |
| 8         | 2.605       | 463           | 471         | 481          | rVB2     | 44408          | 77395         | 2.85%           | 0.315%        |
| 9         | 2.791       | 517           | 529         | 542          | rBV3     | 34108          | 70447         | 2.60%           | 0.287%        |
| 10        | 3.810       | 830           | 846         | 863          | rBV4     | 87803          | 228220        | 8.41%           | 0.929%        |
| 11        | 3.926       | 871           | 882         | 910          | rBV      | 239537         | 685866        | 25.28%          | 2.791%        |
| 12        | 4.126       | 934           | 944         | 945          | rBV7     | 32661          | 33771         | 1.24%           | 0.137%        |
| 13        | 4.399       | 1012          | 1029        | 1050         | rBV2     | 303819         | 741228        | 27.33%          | 3.017%        |
| 14        | 4.724       | 1114          | 1130        | 1147         | rBV3     | 85045          | 207762        | 7.66%           | 0.846%        |
| 15        | 4.958       | 1188          | 1203        | 1207         | rBV10    | 15161          | 32441         | 1.20%           | 0.132%        |
| 16        | 5.093       | 1226          | 1245        | 1255         | rBV2     | 722306         | 1778463       | 65.56%          | 7.238%        |
| 17        | 5.145       | 1256          | 1261        | 1276         | rVB      | 387884         | 741559        | 27.34%          | 3.018%        |
| 18        | 5.222       | 1281          | 1285        | 1293         | rVB5     | 18962          | 29483         | 1.09%           | 0.120%        |
| 19        | 5.296       | 1302          | 1308        | 1317         | rVB8     | 22176          | 42846         | 1.58%           | 0.174%        |
| 20        | 5.367       | 1319          | 1330        | 1344         | rVB3     | 37200          | 79352         | 2.93%           | 0.323%        |
| 21        | 5.662       | 1409          | 1422        | 1441         | rBV      | 433874         | 869249        | 32.04%          | 3.538%        |
| 22        | 5.958       | 1497          | 1514        | 1529         | rBV4     | 93964          | 204622        | 7.54%           | 0.833%        |
| 23        | 6.116       | 1547          | 1563        | 1574         | rBV      | 418800         | 871018        | 32.11%          | 3.545%        |
| 24        | 6.174       | 1576          | 1581        | 1595         | rVB4     | 125744         | 227052        | 8.37%           | 0.924%        |
| 25        | 6.412       | 1644          | 1655        | 1666         | rBV6     | 18392          | 35245         | 1.30%           | 0.143%        |
| 26        | 6.505       | 1671          | 1684        | 1697         | rVB5     | 15105          | 31814         | 1.17%           | 0.129%        |
| 27        | 6.675       | 1728          | 1737        | 1747         | rVB10    | 20455          | 37984         | 1.40%           | 0.155%        |
| 28        | 7.029       | 1834          | 1847        | 1867         | rVB      | 198857         | 363312        | 13.39%          | 1.479%        |
| 29        | 7.305       | 1923          | 1933        | 1938         | rBV6     | 42759          | 76161         | 2.81%           | 0.310%        |
| 30        | 7.357       | 1938          | 1949        | 1964         | rVV      | 877694         | 1504942       | 55.48%          | 6.125%        |
| 31        | 7.431       | 1964          | 1972        | 1983         | rVV      | 45350          | 81848         | 3.02%           | 0.333%        |
| 32        | 7.662       | 2035          | 2044        | 2051         | rBV      | 109740         | 183861        | 6.78%           | 0.748%        |
| 33        | 7.830       | 2086          | 2096        | 2107         | rVB5     | 16918          | 29026         | 1.07%           | 0.118%        |
| 34        | 8.016       | 2138          | 2154        | 2171         | rBV      | 1639861        | 2712605       | 100.00%         | 11.040%       |

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 ALS Vial : 22 Sample Multiplier: 1

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 MSVOA\_V  
 ClientSampleId :  
 GAQD7

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.1

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\_V\METHOD\SOMVTR102919WMA.M  
 Title : TRACE VOA SOM01.0

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 8.129  | 2178 | 2189 | 2221 | rBV2 | 823543 | 1627821 | 60.01% | 6.625% |
| 36 | 8.280  | 2227 | 2236 | 2243 | rVB9 | 19104  | 35097   | 1.29%  | 0.143% |
| 37 | 8.328  | 2243 | 2251 | 2261 | rVB  | 47177  | 80253   | 2.96%  | 0.327% |
| 38 | 8.395  | 2262 | 2272 | 2282 | rBV  | 40626  | 69495   | 2.56%  | 0.283% |
| 39 | 8.630  | 2331 | 2345 | 2359 | rBV9 | 14236  | 38094   | 1.40%  | 0.155% |
| 40 | 8.894  | 2414 | 2427 | 2442 | rBV  | 711861 | 1150962 | 42.43% | 4.684% |
| 41 | 9.055  | 2464 | 2477 | 2487 | rBV  | 42084  | 75425   | 2.78%  | 0.307% |
| 42 | 9.180  | 2508 | 2516 | 2527 | rVB2 | 74922  | 138287  | 5.10%  | 0.563% |
| 43 | 9.238  | 2529 | 2534 | 2548 | rVB2 | 16796  | 30902   | 1.14%  | 0.126% |
| 44 | 9.514  | 2605 | 2620 | 2628 | rBV7 | 21188  | 47044   | 1.73%  | 0.191% |
| 45 | 9.749  | 2686 | 2693 | 2702 | rVB6 | 31551  | 47346   | 1.75%  | 0.193% |
| 46 | 9.842  | 2711 | 2722 | 2730 | rBV8 | 28334  | 56299   | 2.08%  | 0.229% |
| 47 | 9.971  | 2752 | 2762 | 2772 | rBV  | 46280  | 76416   | 2.82%  | 0.311% |
| 48 | 10.257 | 2838 | 2851 | 2866 | rBV  | 289846 | 490096  | 18.07% | 1.995% |
| 49 | 10.392 | 2884 | 2893 | 2909 | rBV2 | 83685  | 150081  | 5.53%  | 0.611% |
| 50 | 10.511 | 2915 | 2930 | 2938 | rBV  | 37011  | 81559   | 3.01%  | 0.332% |
| 51 | 10.778 | 3004 | 3013 | 3025 | rBV2 | 29897  | 58133   | 2.14%  | 0.237% |
| 52 | 10.955 | 3057 | 3068 | 3077 | rBV2 | 31133  | 51515   | 1.90%  | 0.210% |
| 53 | 11.289 | 3162 | 3172 | 3191 | rBV  | 834896 | 1296853 | 47.81% | 5.278% |
| 54 | 11.376 | 3193 | 3199 | 3210 | rVB  | 26991  | 40316   | 1.49%  | 0.164% |
| 55 | 11.572 | 3248 | 3260 | 3271 | rBV  | 246486 | 434086  | 16.00% | 1.767% |
| 56 | 11.665 | 3279 | 3289 | 3312 | rVB  | 884073 | 1436915 | 52.97% | 5.848% |
| 57 | 11.862 | 3344 | 3350 | 3364 | rVB2 | 19924  | 33304   | 1.23%  | 0.136% |
| 58 | 12.058 | 3399 | 3411 | 3417 | rBV  | 81443  | 127989  | 4.72%  | 0.521% |
| 59 | 12.157 | 3432 | 3442 | 3454 | rBV  | 114375 | 204695  | 7.55%  | 0.833% |
| 60 | 12.456 | 3527 | 3535 | 3544 | rVB  | 59154  | 88533   | 3.26%  | 0.360% |
| 61 | 12.511 | 3545 | 3552 | 3562 | rVB2 | 20456  | 35358   | 1.30%  | 0.144% |
| 62 | 12.591 | 3569 | 3577 | 3585 | rBV2 | 26709  | 42458   | 1.57%  | 0.173% |
| 63 | 12.768 | 3625 | 3632 | 3640 | rVB2 | 76106  | 101111  | 3.73%  | 0.412% |
| 64 | 12.926 | 3661 | 3681 | 3693 | rBV3 | 206249 | 371577  | 13.70% | 1.512% |
| 65 | 13.045 | 3711 | 3718 | 3724 | rBV  | 20306  | 28847   | 1.06%  | 0.117% |
| 66 | 13.090 | 3724 | 3732 | 3744 | rVV5 | 44835  | 77363   | 2.85%  | 0.315% |
| 67 | 13.212 | 3761 | 3770 | 3775 | rBV4 | 24727  | 38274   | 1.41%  | 0.156% |
| 68 | 13.260 | 3777 | 3785 | 3792 | rVB2 | 36288  | 53396   | 1.97%  | 0.217% |
| 69 | 13.312 | 3792 | 3801 | 3809 | rBV4 | 68529  | 108766  | 4.01%  | 0.443% |
| 70 | 13.411 | 3827 | 3832 | 3839 | rVB  | 27888  | 34645   | 1.28%  | 0.141% |
| 71 | 13.546 | 3858 | 3874 | 3884 | rBV  | 251741 | 402554  | 14.84% | 1.638% |

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ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAQD7

Integration Parameters: rteint.p  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.1 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR102919WMA.M  
Title : TRACE VOA SOM01.0

|    |        |      |      |      |       |        |        |       |        |
|----|--------|------|------|------|-------|--------|--------|-------|--------|
| 72 | 13.665 | 3902 | 3911 | 3924 | rVB2  | 35842  | 68888  | 2.54% | 0.280% |
| 73 | 13.752 | 3931 | 3938 | 3948 | rBV10 | 22957  | 45996  | 1.70% | 0.187% |
| 74 | 13.955 | 3991 | 4001 | 4014 | rBV3  | 30087  | 57705  | 2.13% | 0.235% |
| 75 | 14.141 | 4047 | 4059 | 4071 | rBV6  | 35419  | 86462  | 3.19% | 0.352% |
| 76 | 14.337 | 4115 | 4120 | 4133 | rVB8  | 24685  | 46629  | 1.72% | 0.190% |
| 77 | 14.479 | 4155 | 4164 | 4172 | rBV9  | 18744  | 37368  | 1.38% | 0.152% |
| 78 | 14.678 | 4214 | 4226 | 4236 | rBV   | 105335 | 180472 | 6.65% | 0.734% |
| 79 | 14.861 | 4274 | 4283 | 4297 | rBV   | 103439 | 175182 | 6.46% | 0.713% |
| 80 | 15.717 | 4538 | 4549 | 4558 | rBV4  | 30078  | 53367  | 1.97% | 0.217% |
| 81 | 15.858 | 4586 | 4593 | 4599 | rBV2  | 40401  | 60308  | 2.22% | 0.245% |

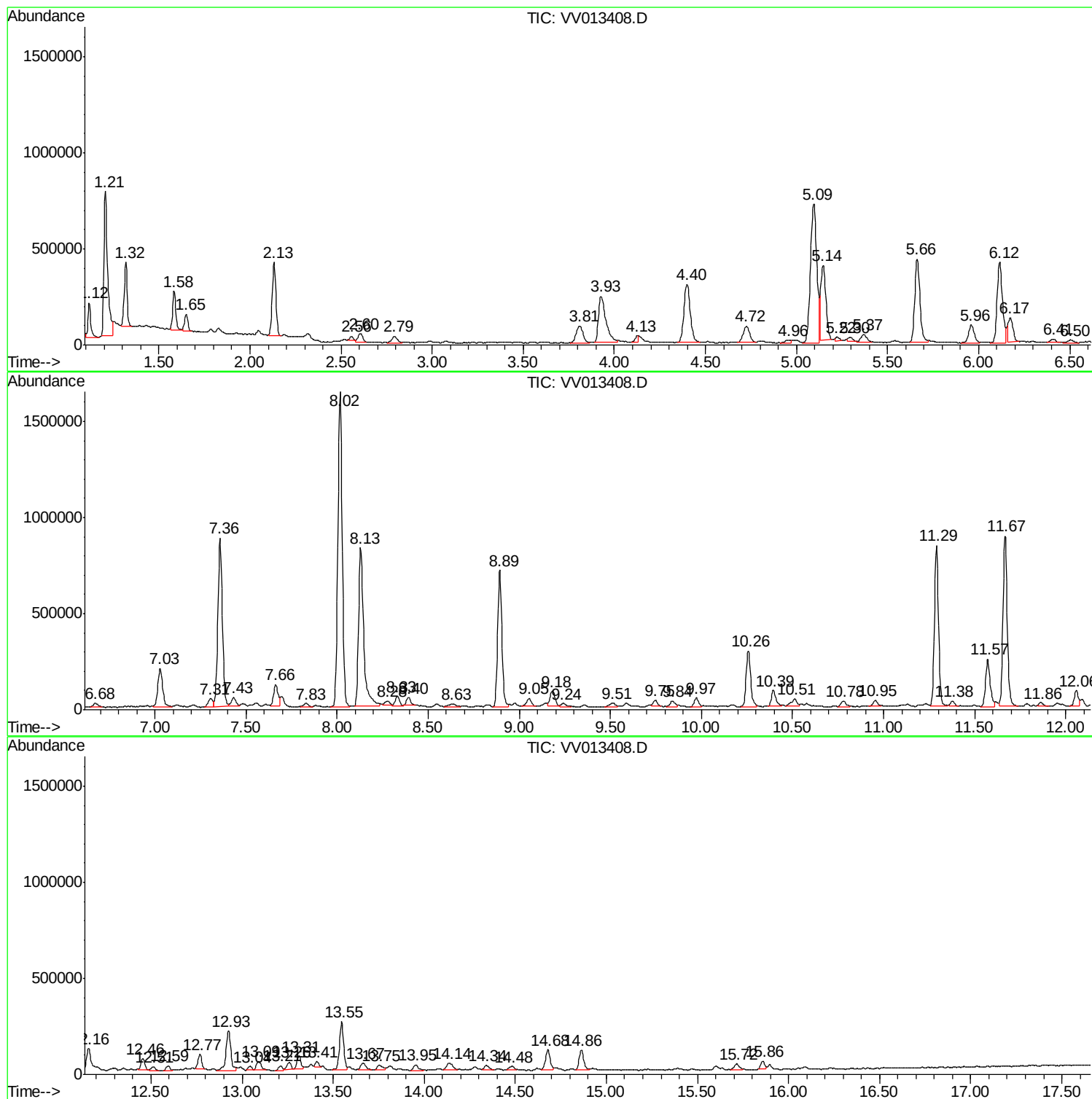
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV102919\  
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ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAQD7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR102919WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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Data File : VV013408.D  
Acq On : 29 Oct 2019 21:05  
Operator : SY/MD  
Sample : K5597-06  
Misc : 25.0ML/MSVOA V/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAQD7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR102919WMA.M  
Quant Title : TRACE VOA SOM01.0

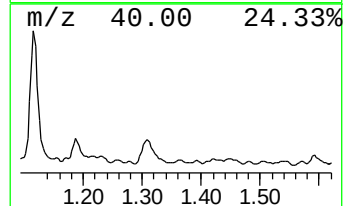
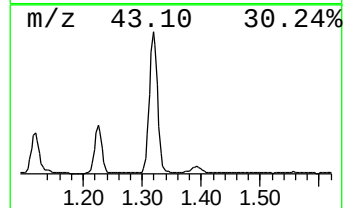
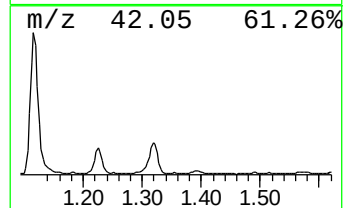
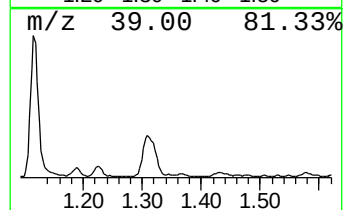
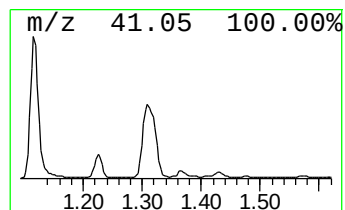
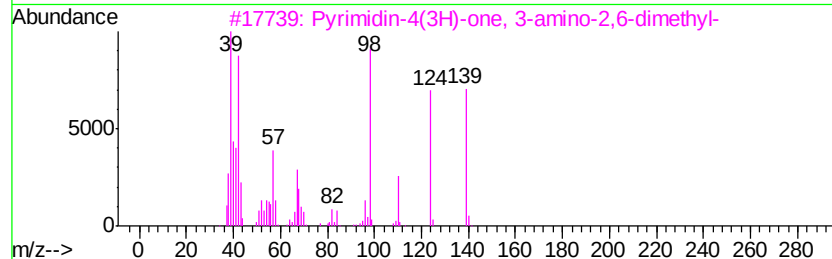
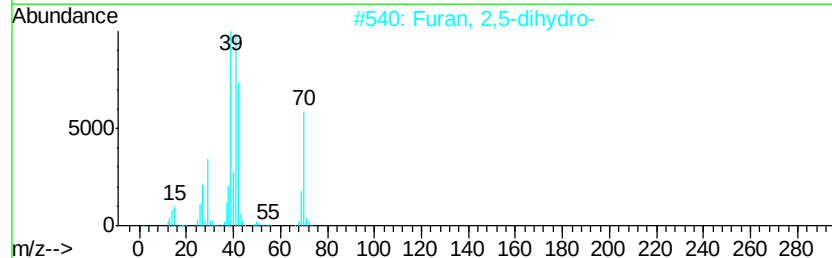
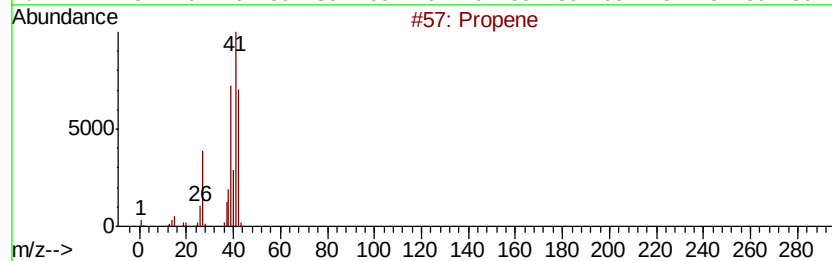
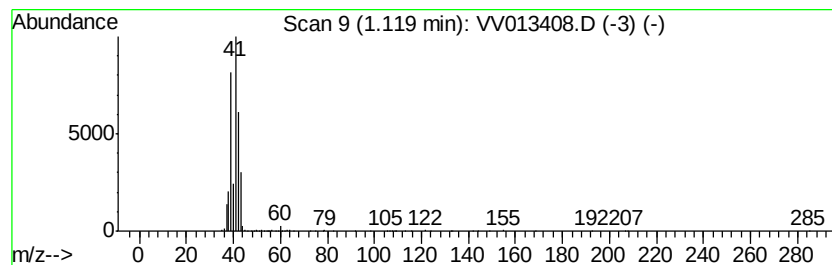
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Cyclic1.12 Concentration Rank 7

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 1.12 | 1.09 ug/L | 189884 | 1,4-Difluorobenzene | 5.66 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Propene                             | 42  | C3H6    | 000115-07-1 | 90   |
| 2    |    | Furan, 2,5-dihydro-                 | 70  | C4H6O   | 001708-29-8 | 83   |
| 3    |    | Pyrimidin-4(3H)-one, 3-amino-2,6... | 139 | C6H9N3O | 093098-74-9 | 78   |
| 4    |    | Aluminum, tripropyl-                | 156 | C9H21Al | 000102-67-0 | 74   |
| 5    |    | 3-Butenoic acid                     | 86  | C4H6O2  | 000625-38-7 | 74   |



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR102919WMA.M  
Quant Title : TRACE VOA SOM01.0

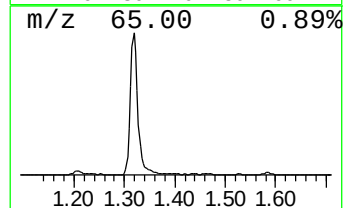
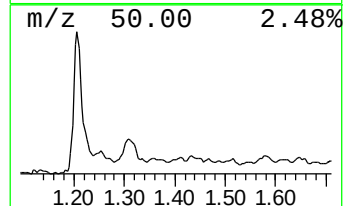
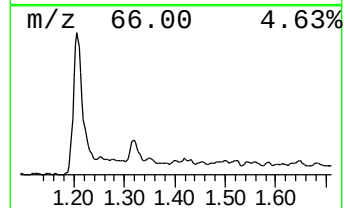
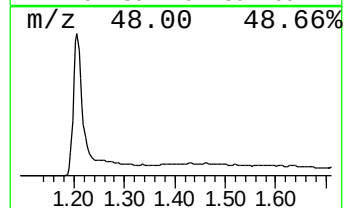
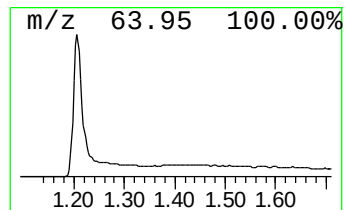
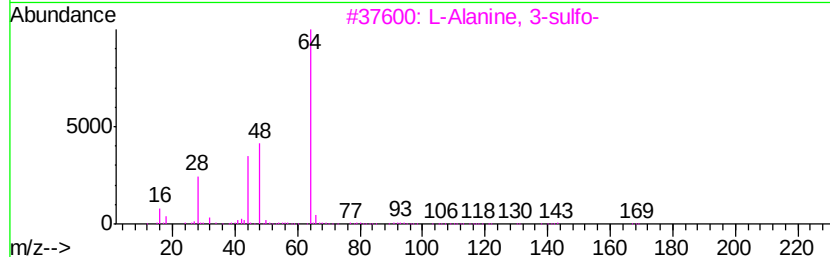
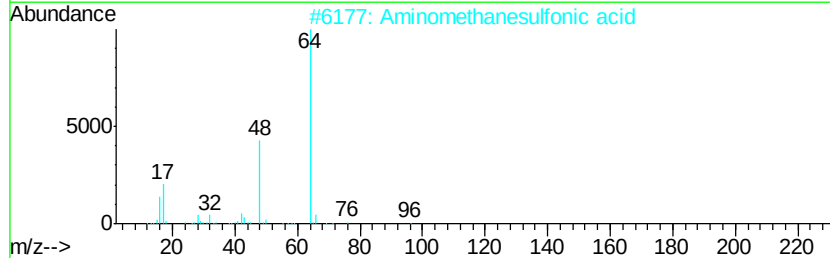
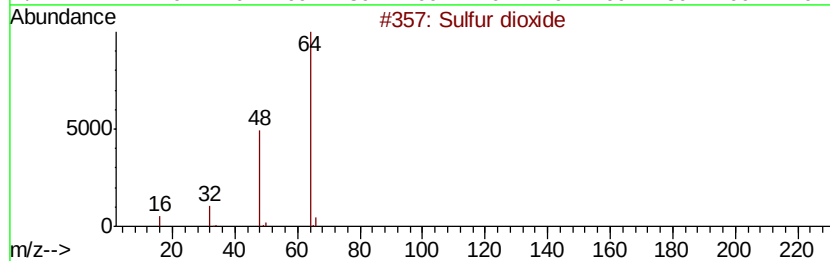
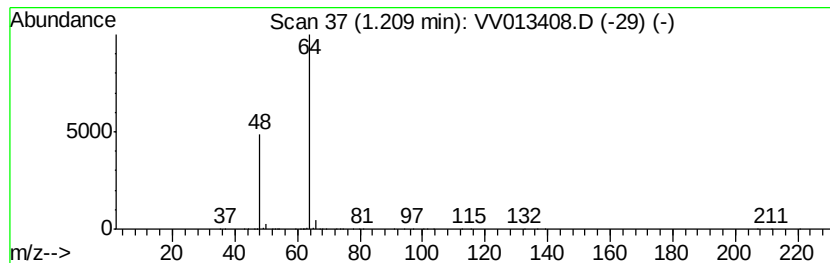
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Sulfur dioxide Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD    | R.T. |
|------|-----------|---------|---------------------|------|
| 1.21 | 6.00 ug/L | 1043050 | 1,4-Difluorobenzene | 5.66 |

| Hit# | of | Tentative ID              | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------------|-----|----------|-------------|------|
| 1    | 5  | Sulfur dioxide            | 64  | O2S      | 007446-09-5 | 83   |
| 2    |    | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 74   |
| 3    |    | L-Alanine, 3-sulfo-       | 169 | C3H7NO5S | 000498-40-8 | 9    |
| 4    |    | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 9    |
| 5    |    | Ethene, 1,1-difluoro-     | 64  | C2H2F2   | 000075-38-7 | 4    |



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GAQD7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR102919WMA.M  
Quant Title : TRACE VOA SOM01.0

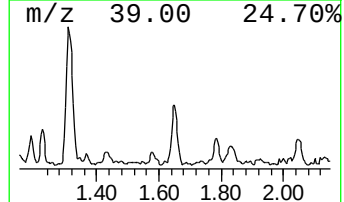
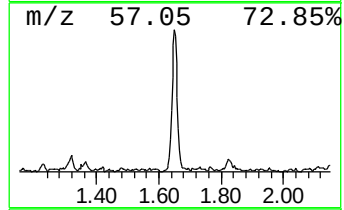
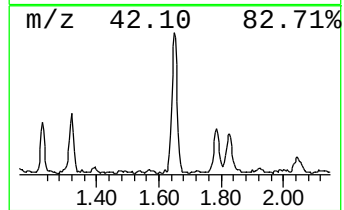
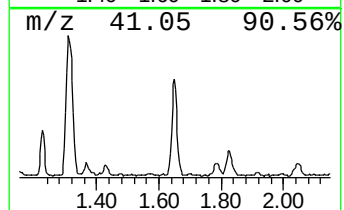
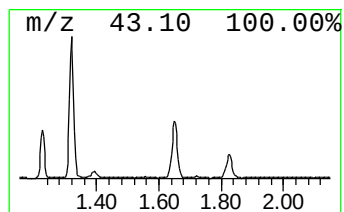
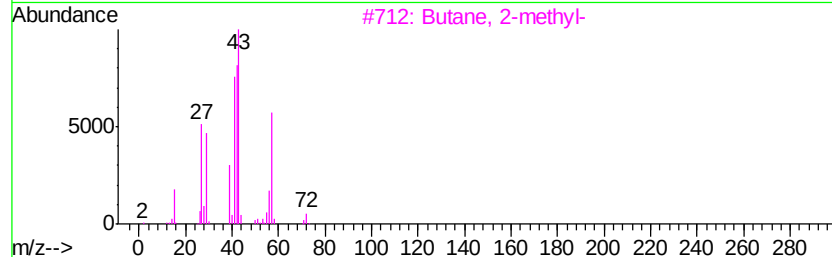
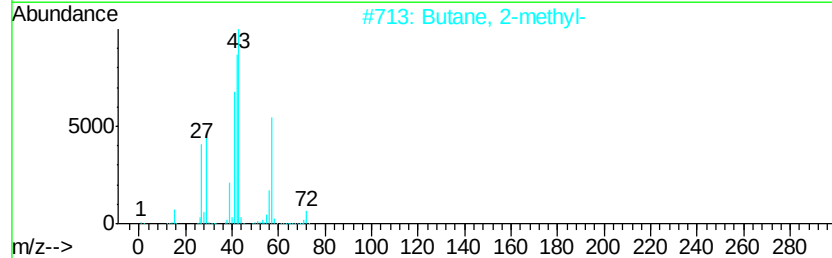
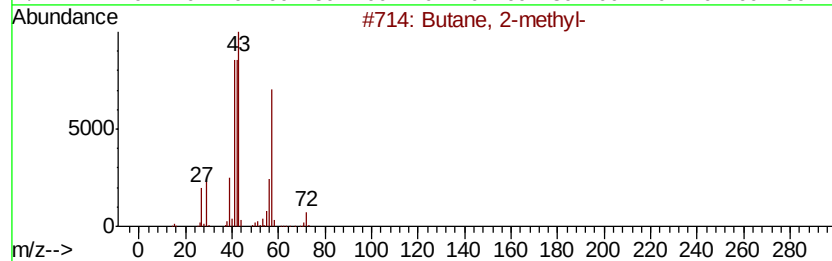
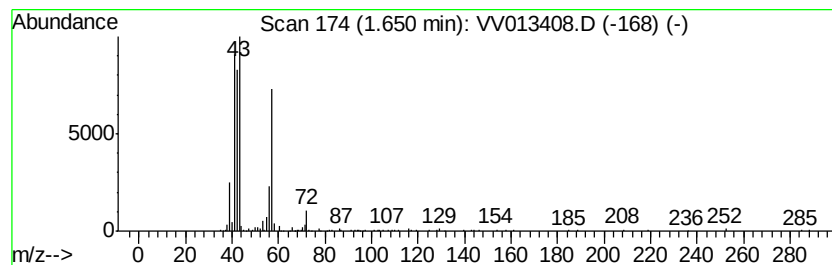
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 11

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 1.65 | 0.62 ug/L | 107676 | 1,4-Difluorobenzene | 5.66 |

| Hit# | of | 5 | Tentative ID      | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------|----|---------|-------------|------|
| 1    |    |   | Butane, 2-methyl- | 72 | C5H12   | 000078-78-4 | 91   |
| 2    |    |   | Butane, 2-methyl- | 72 | C5H12   | 000078-78-4 | 91   |
| 3    |    |   | Butane, 2-methyl- | 72 | C5H12   | 000078-78-4 | 90   |
| 4    |    |   | Pentane           | 72 | C5H12   | 000109-66-0 | 45   |
| 5    |    |   | 3-Buten-1-ol      | 72 | C4H8O   | 000627-27-0 | 43   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV102919\  
Data File : VV013408.D  
Acq On : 29 Oct 2019 21:05  
Operator : SY/MD  
Sample : K5597-06  
Misc : 25.0ML/MSVOA V/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAQD7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR102919WMA.M  
Quant Title : TRACE VOA SOM01.0

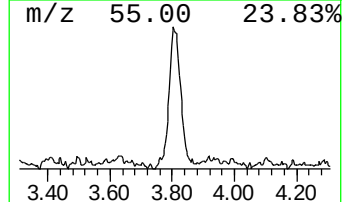
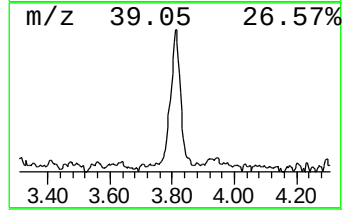
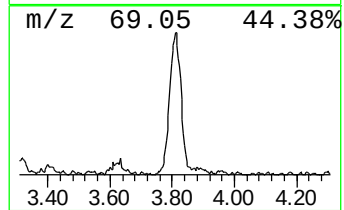
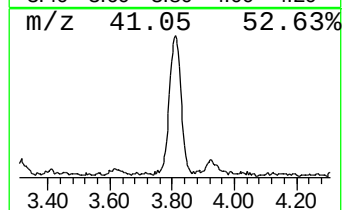
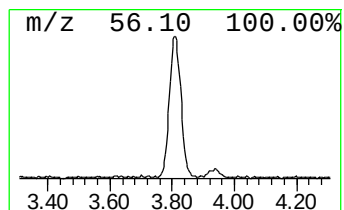
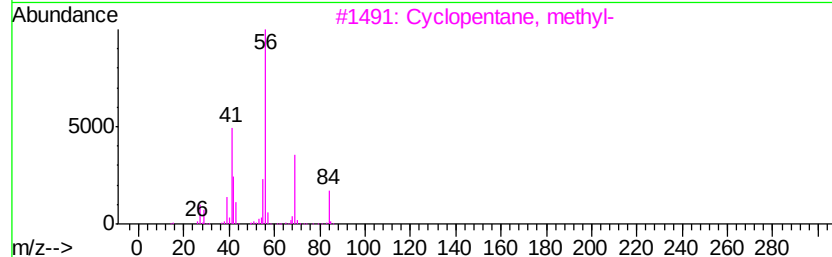
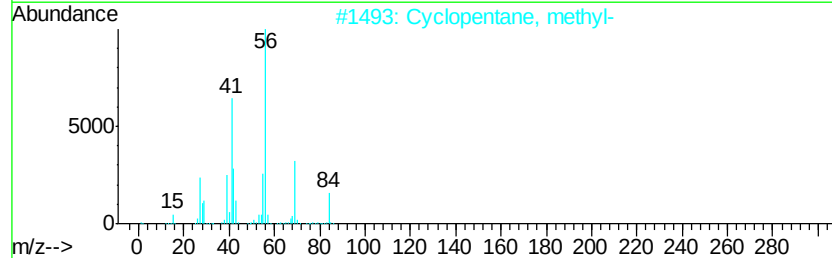
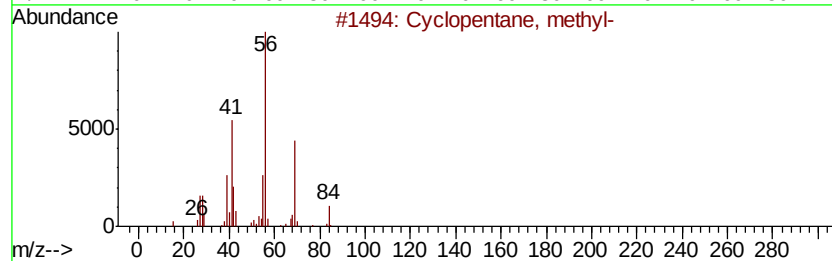
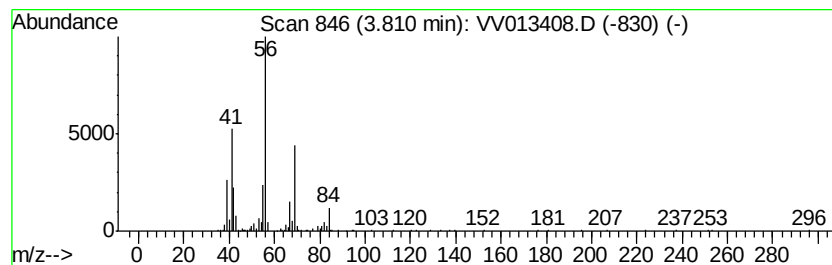
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Cyclic3.81 Concentration Rank 6

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 3.81 | 1.31 ug/L | 228220 | 1,4-Difluorobenzene | 5.66 |

| Hit# | of | Tentative ID            | MW | MolForm | CAS#        | Qual |
|------|----|-------------------------|----|---------|-------------|------|
| 1    | 5  | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 87   |
| 2    |    | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 74   |
| 3    |    | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 72   |
| 4    |    | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4  | 004076-36-2 | 64   |
| 5    |    | Cyclobutane, ethyl-     | 84 | C6H12   | 004806-61-5 | 59   |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV102919\  
Data File : VV013408.D  
Acq On : 29 Oct 2019 21:05  
Operator : SY/MD  
Sample : K5597-06  
Misc : 25.0ML/MSVOA V/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAQD7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR102919WMA.M  
Quant Title : TRACE VOA SOM01.0

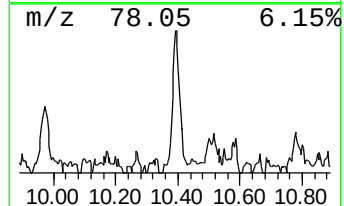
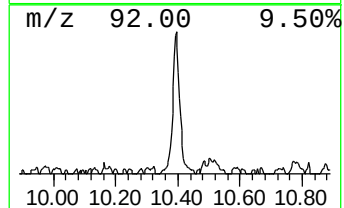
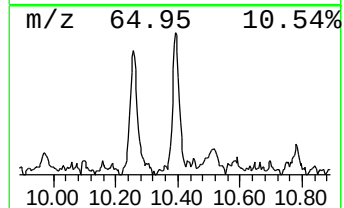
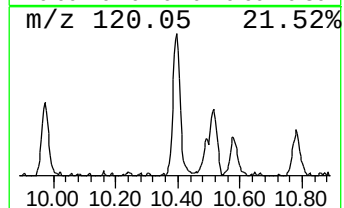
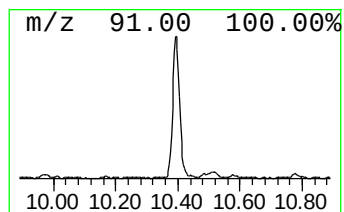
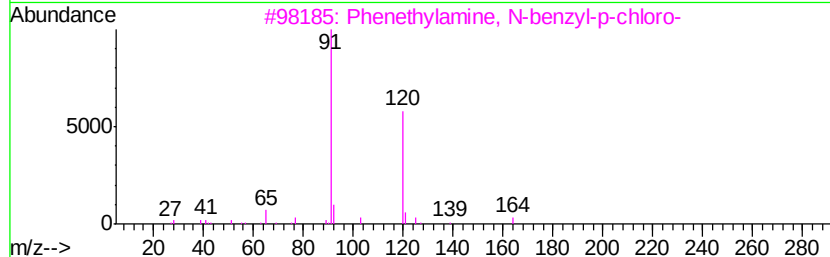
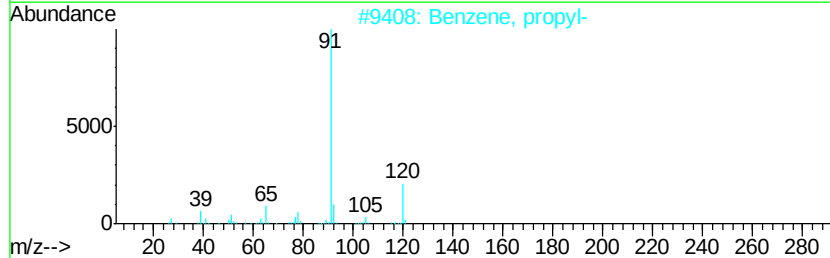
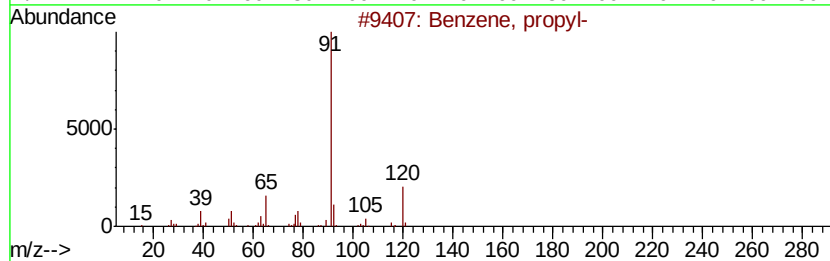
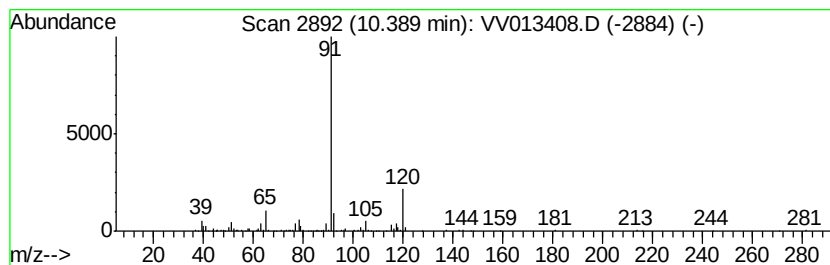
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Benzene, propyl- Concentration Rank 12

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 10.39 | 0.58 ug/L | 150081 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | Tentative ID                       | MW  | MolForm   | CAS#        | Qual |
|------|----|------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Benzene, propyl-                   | 120 | C9H12     | 000103-65-1 | 81   |
| 2    |    | Benzene, propyl-                   | 120 | C9H12     | 000103-65-1 | 76   |
| 3    |    | Phenethylamine, N-benzyl-p-chloro- | 245 | C15H16ClN | 013622-43-0 | 64   |
| 4    |    | Benzene, propyl-                   | 120 | C9H12     | 000103-65-1 | 64   |
| 5    |    | N-Benzyl-2-phenethylamine          | 211 | C15H17N   | 003647-71-0 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV102919\  
Data File : VV013408.D  
Acq On : 29 Oct 2019 21:05  
Operator : SY/MD  
Sample : K5597-06  
Misc : 25.0ML/MSVOA V/WATER  
ALS Vial : 22 Sample Multiplier: 1

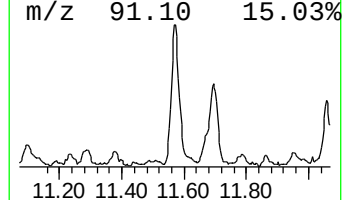
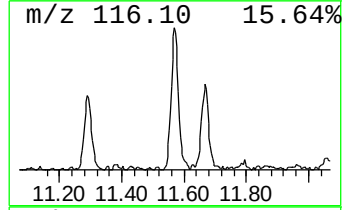
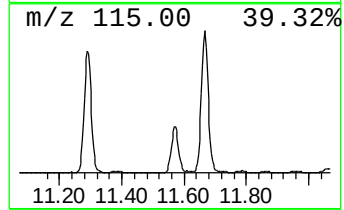
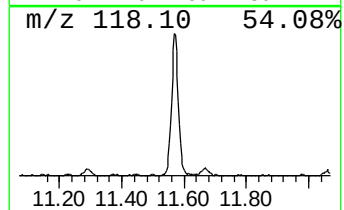
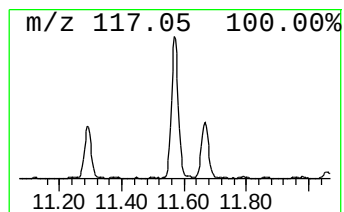
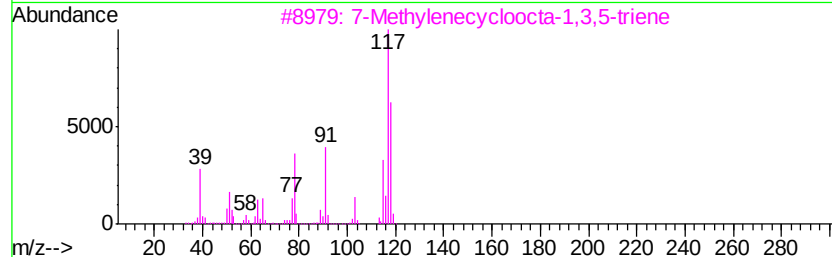
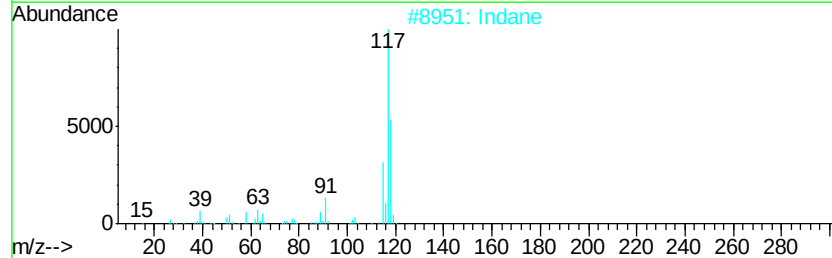
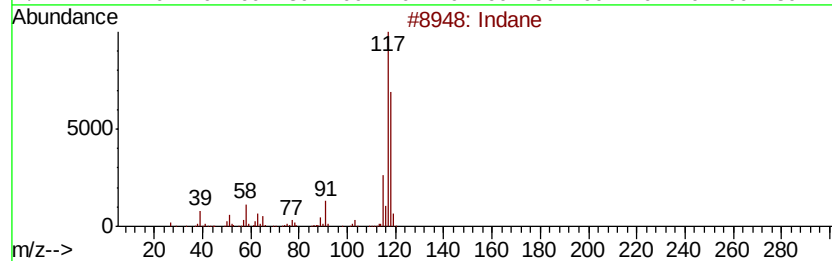
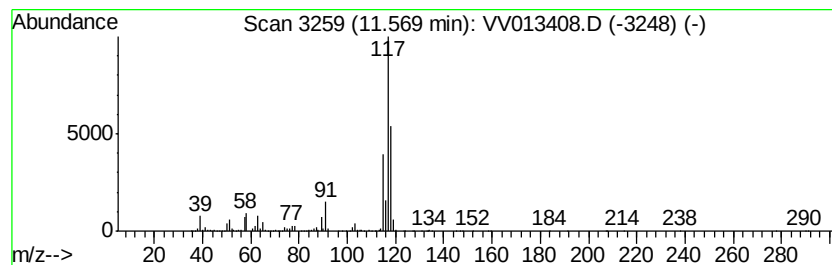
Instrument :  
MSVOA\_V  
ClientSampleId :  
GAQD7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR102919WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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Peak Number 7 Indane Concentration Rank 3

| R.T.    | EstConc                           | Area         | Relative to ISTD       | R.T.           |
|---------|-----------------------------------|--------------|------------------------|----------------|
| 11.57   | 1.67 ug/L                         | 434086       | 1,4-Dichlorobenzene-d4 | 11.29          |
| Hit# of | 5                                 | Tentative ID | MW MolForm             | CAS# Qual      |
| 1       | Indane                            |              | 118 C9H10              | 000496-11-7 94 |
| 2       | Indane                            |              | 118 C9H10              | 000496-11-7 93 |
| 3       | 7-Methylenecycloocta-1,3,5-triene |              | 118 C9H10              | 002570-13-0 68 |
| 4       | trans-Cinnamyl bromide            |              | 196 C9H9Br             | 026146-77-0 64 |
| 5       | 3-Bromo-1-phenyl-1-propene        |              | 196 C9H9Br             | 004392-24-9 64 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV102919\  
Data File : VV013408.D  
Acq On : 29 Oct 2019 21:05  
Operator : SY/MD  
Sample : K5597-06  
Misc : 25.0ML/MSVOA V/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAQD7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR102919WMA.M  
Quant Title : TRACE VOA SOM01.0

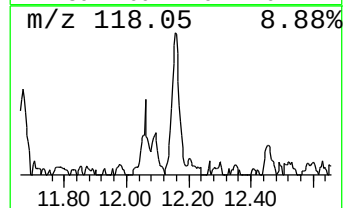
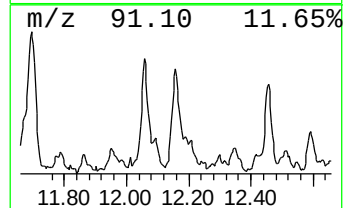
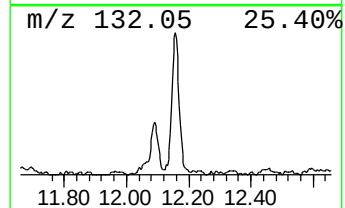
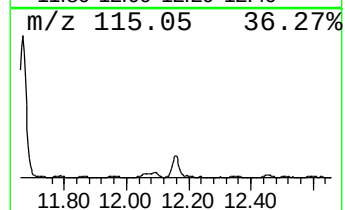
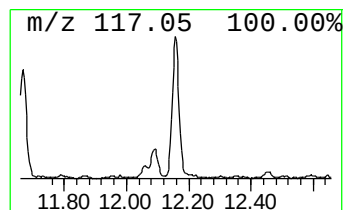
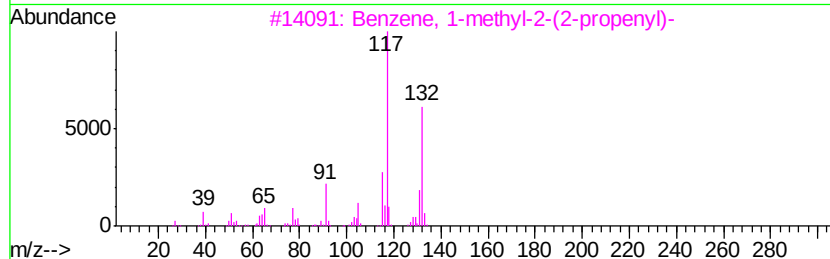
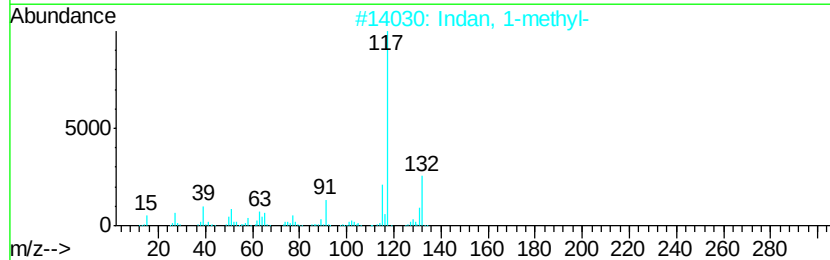
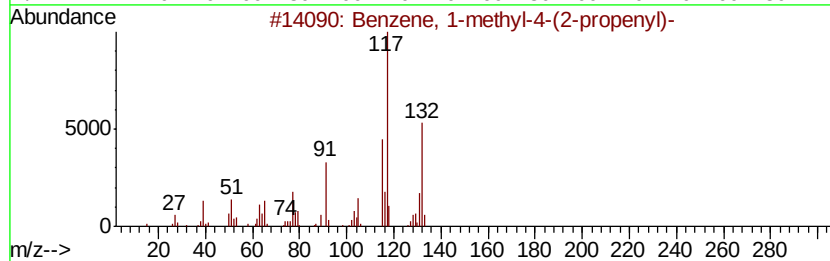
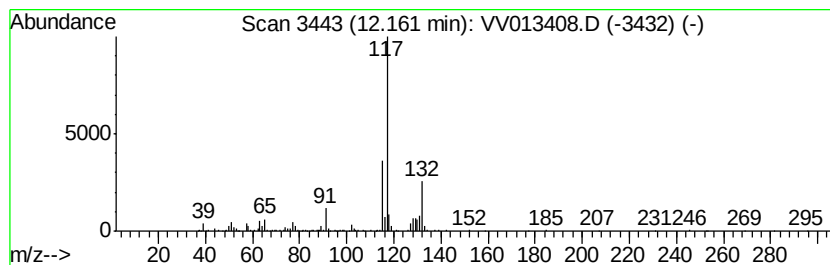
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Benzene, 1-methyl-4-(2-prop... Concentration Rank 8

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 12.16 | 0.79 ug/L | 204695 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | Tentative ID                      | MW  | MolForm | CAS#         | Qual |
|------|----|-----------------------------------|-----|---------|--------------|------|
| 1    | 5  | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12  | 003333-13-9  | 80   |
| 2    |    | Indan, 1-methyl-                  | 132 | C10H12  | 000767-58-8  | 74   |
| 3    |    | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12  | 001587-04-8  | 72   |
| 4    |    | 3-Phenylbut-1-ene                 | 132 | C10H12  | 000934-10-1  | 72   |
| 5    |    | Benzene, (2-methylcyclopropyl)-   | 132 | C10H12  | 1000327-39-0 | 72   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV102919\  
Data File : VV013408.D  
Acq On : 29 Oct 2019 21:05  
Operator : SY/MD  
Sample : K5597-06  
Misc : 25.0ML/MSVOA V/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAQD7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR102919WMA.M  
Quant Title : TRACE VOA SOM01.0

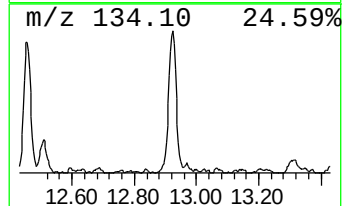
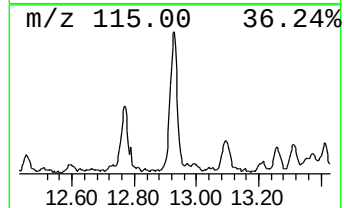
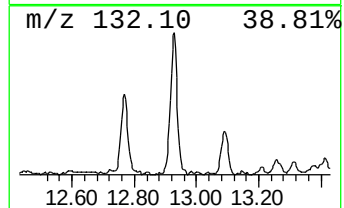
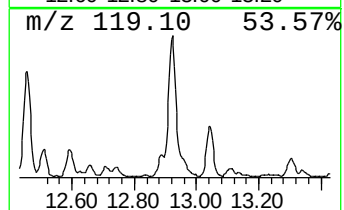
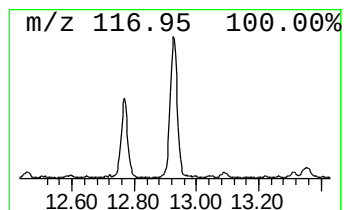
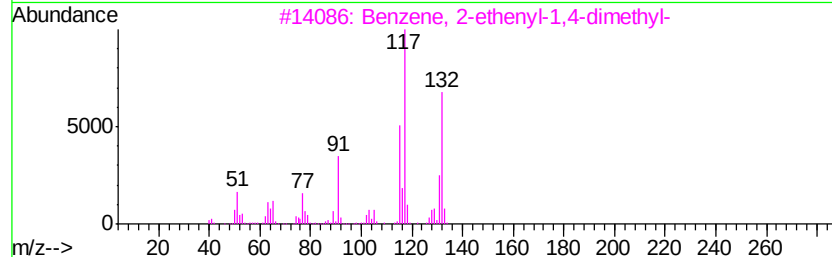
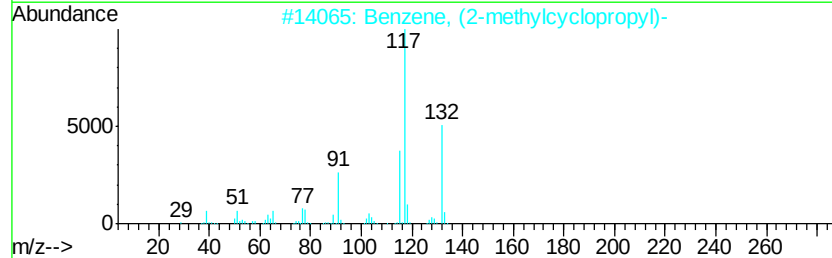
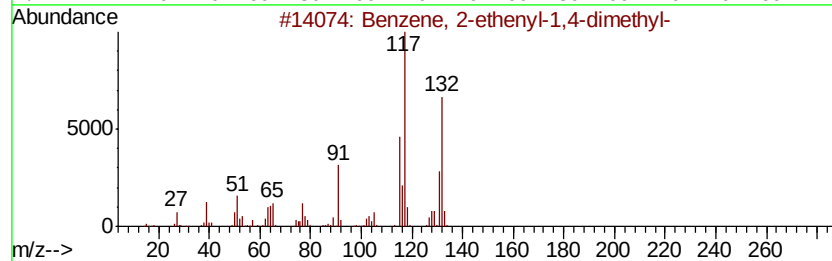
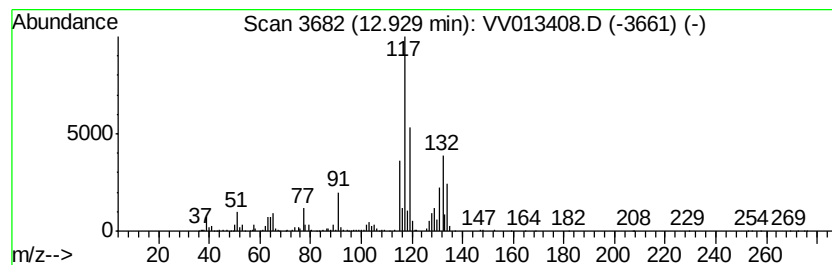
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 5

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 12.93 | 1.43 ug/L | 371577 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#         | Qual |
|------|----|----------------------------------|-----|---------|--------------|------|
| 1    | 5  | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6  | 90   |
| 2    |    | Benzene, (2-methylcyclopropyl)-  | 132 | C10H12  | 1000327-39-0 | 87   |
| 3    |    | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6  | 83   |
| 4    |    | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6  | 64   |
| 5    |    | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12  | 000874-35-1  | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV102919\  
Data File : VV013408.D  
Acq On : 29 Oct 2019 21:05  
Operator : SY/MD  
Sample : K5597-06  
Misc : 25.0ML/MSVOA V/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAQD7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR102919WMA.M  
Quant Title : TRACE VOA SOM01.0

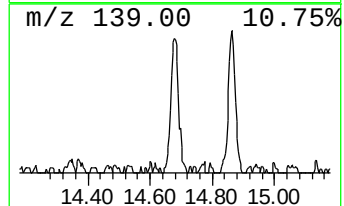
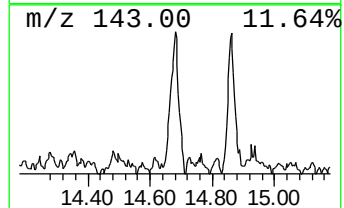
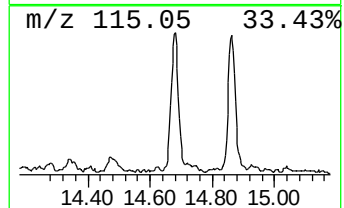
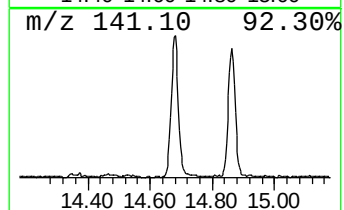
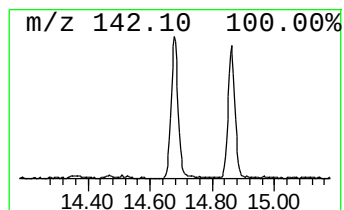
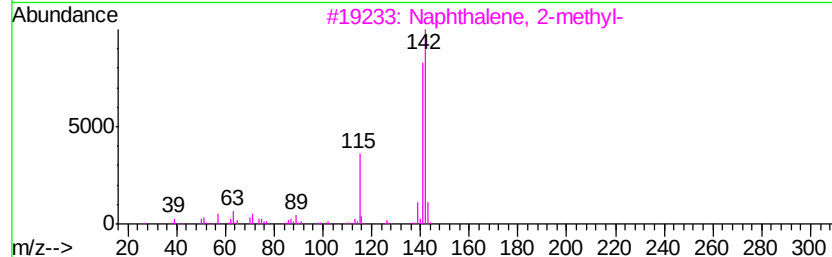
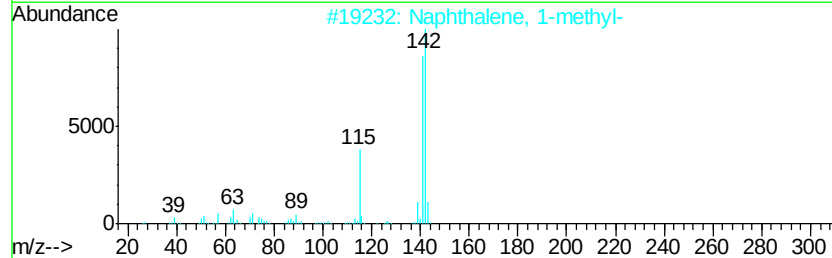
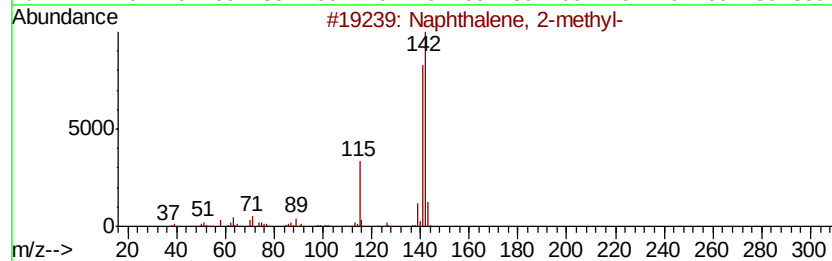
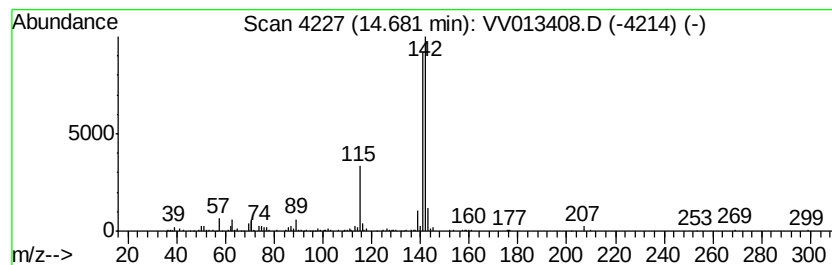
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 Naphthalene, 1-methyl- Concentration Rank 9

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 14.68 | 0.70 ug/L | 180472 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 97   |
| 2    |    |   | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 3    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 4    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 94   |
| 5    |    |   | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 91   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV102919\  
Data File : VV013408.D  
Acq On : 29 Oct 2019 21:05  
Operator : SY/MD  
Sample : K5597-06  
Misc : 25.0ML/MSVOA\_V/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAQD7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR102919WMA.M  
Quant Title : TRACE VOA SOM01.0

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Cyc... | 1.12  | 1.1     | ug/L  | 189884   | 1                     | 5.66  | 869249  | 5.0  |
| Sulfur dioxide       | 1.21  | 6.0     | ug/L  | 1043050  | 1                     | 5.66  | 869249  | 5.0  |
| (DEL) Alkane: Str... | 1.65  | 0.6     | ug/L  | 107676   | 1                     | 5.66  | 869249  | 5.0  |
| (DEL) Alkane: Cyc... | 3.81  | 1.3     | ug/L  | 228220   | 1                     | 5.66  | 869249  | 5.0  |
| Benzene, propyl-     | 10.39 | 0.6     | ug/L  | 150081   | 3                     | 11.29 | 1296850 | 5.0  |
| Indane               | 11.57 | 1.7     | ug/L  | 434086   | 3                     | 11.29 | 1296850 | 5.0  |
| Benzene, 1-methyl... | 12.16 | 0.8     | ug/L  | 204695   | 3                     | 11.29 | 1296850 | 5.0  |
| Benzene, 2-etheny... | 12.93 | 1.4     | ug/L  | 371577   | 3                     | 11.29 | 1296850 | 5.0  |
| Naphthalene, 1-me... | 14.68 | 0.7     | ug/L  | 180472   | 3                     | 11.29 | 1296850 | 5.0  |