

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100618\  
 Data File : VN051707.D  
 Acq On : 6 Oct 2018 00:03  
 Operator : MD\SY  
 Sample : J5084-12 50X  
 Misc : 6.42g/5.00mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 37 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 B-6(8-8.5)

## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 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\_N\METHODS\82N100418W.M  
 Title : SW846 8260

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         | 2.802       | 310           | 320         | 336          | rVB      | 194019         | 386170        | 2.87%           | 0.293%        |
| 2         | 4.593       | 837           | 877         | 900          | rBV2     | 271697         | 1186636       | 8.83%           | 0.901%        |
| 3         | 5.056       | 992           | 1021        | 1049         | rBV2     | 202453         | 711438        | 5.30%           | 0.540%        |
| 4         | 5.571       | 1160          | 1181        | 1204         | rBV3     | 184934         | 586994        | 4.37%           | 0.446%        |
| 5         | 5.931       | 1283          | 1293        | 1312         | rVB3     | 48827          | 140672        | 1.05%           | 0.107%        |
| 6         | 6.375       | 1408          | 1431        | 1451         | rBV5     | 72641          | 241816        | 1.80%           | 0.184%        |
| 7         | 6.523       | 1456          | 1477        | 1494         | rBV3     | 227395         | 732960        | 5.46%           | 0.556%        |
| 8         | 6.632       | 1495          | 1511        | 1529         | rVB2     | 240609         | 710622        | 5.29%           | 0.539%        |
| 9         | 7.391       | 1736          | 1747        | 1765         | rVB2     | 100745         | 257337        | 1.92%           | 0.195%        |
| 10        | 7.596       | 1792          | 1811        | 1815         | rBV      | 499833         | 1094549       | 8.15%           | 0.831%        |
| 11        | 7.744       | 1845          | 1857        | 1879         | rVB2     | 770584         | 2060390       | 15.34%          | 1.564%        |
| 12        | 7.876       | 1881          | 1898        | 1929         | rVB      | 664349         | 1652665       | 12.30%          | 1.254%        |
| 13        | 8.030       | 1930          | 1946        | 1972         | rBV      | 463675         | 1103517       | 8.21%           | 0.838%        |
| 14        | 8.211       | 1972          | 2002        | 2022         | rBV      | 1671995        | 5198402       | 38.69%          | 3.946%        |
| 15        | 8.304       | 2024          | 2031        | 2054         | rVB2     | 157396         | 433244        | 3.22%           | 0.329%        |
| 16        | 8.439       | 2055          | 2073        | 2101         | rVB3     | 389780         | 1037587       | 7.72%           | 0.788%        |
| 17        | 8.587       | 2101          | 2119        | 2144         | rBV2     | 1301156        | 3190834       | 23.75%          | 2.422%        |
| 18        | 8.748       | 2159          | 2169        | 2181         | rVB3     | 89188          | 170973        | 1.27%           | 0.130%        |
| 19        | 8.860       | 2181          | 2204        | 2233         | rVB7     | 105624         | 414052        | 3.08%           | 0.314%        |
| 20        | 9.085       | 2245          | 2274        | 2284         | rBV5     | 719277         | 2057798       | 15.32%          | 1.562%        |
| 21        | 9.143       | 2284          | 2292        | 2306         | rVV      | 344615         | 696274        | 5.18%           | 0.528%        |
| 22        | 9.223       | 2306          | 2317        | 2323         | rVV2     | 78285          | 159199        | 1.18%           | 0.121%        |
| 23        | 9.272       | 2324          | 2332        | 2344         | rVB2     | 167831         | 316194        | 2.35%           | 0.240%        |
| 24        | 9.365       | 2344          | 2361        | 2375         | rBV6     | 117343         | 297313        | 2.21%           | 0.226%        |
| 25        | 9.522       | 2396          | 2410        | 2429         | rBV      | 924029         | 1888887       | 14.06%          | 1.434%        |
| 26        | 9.657       | 2430          | 2452        | 2465         | rBV3     | 1014349        | 2577531       | 19.18%          | 1.956%        |
| 27        | 9.728       | 2465          | 2474        | 2482         | rBV      | 342618         | 626231        | 4.66%           | 0.475%        |
| 28        | 9.870       | 2499          | 2518        | 2539         | rBV      | 483194         | 1225546       | 9.12%           | 0.930%        |
| 29        | 9.969       | 2539          | 2549        | 2555         | rBV3     | 87167          | 161514        | 1.20%           | 0.123%        |
| 30        | 10.024      | 2556          | 2566        | 2574         | rVB3     | 222859         | 406173        | 3.02%           | 0.308%        |
| 31        | 10.092      | 2574          | 2587        | 2598         | rBV      | 2130113        | 3992908       | 29.72%          | 3.031%        |
| 32        | 10.156      | 2598          | 2607        | 2619         | rVB      | 947944         | 1722526       | 12.82%          | 1.307%        |
| 33        | 10.284      | 2632          | 2647        | 2659         | rVB5     | 446190         | 1014411       | 7.55%           | 0.770%        |
| 34        | 10.526      | 2711          | 2722        | 2743         | rVV8     | 238707         | 641451        | 4.77%           | 0.487%        |

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 ALS Vial : 37 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 B-6(8-8.5)

## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 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\_N\METHODS\82N100418W.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |          |         |         |
|----|--------|------|------|------|------|---------|----------|---------|---------|
| 35 | 10.625 | 2745 | 2753 | 2764 | rVB4 | 89490   | 164054   | 1.22%   | 0.125%  |
| 36 | 10.718 | 2764 | 2782 | 2791 | rBV4 | 89904   | 193184   | 1.44%   | 0.147%  |
| 37 | 10.821 | 2807 | 2814 | 2825 | rVB  | 94609   | 166209   | 1.24%   | 0.126%  |
| 38 | 11.198 | 2915 | 2931 | 2952 | rVB4 | 323236  | 826628   | 6.15%   | 0.627%  |
| 39 | 11.300 | 2952 | 2963 | 2982 | rBV2 | 260932  | 492814   | 3.67%   | 0.374%  |
| 40 | 11.410 | 2983 | 2997 | 3013 | rBV  | 1507227 | 2735785  | 20.36%  | 2.077%  |
| 41 | 11.513 | 3015 | 3029 | 3045 | rVB  | 1324494 | 2333537  | 17.37%  | 1.771%  |
| 42 | 11.619 | 3046 | 3062 | 3084 | rBV  | 6554804 | 12781007 | 95.13%  | 9.701%  |
| 43 | 11.947 | 3146 | 3164 | 3181 | rVV  | 2337900 | 4198383  | 31.25%  | 3.187%  |
| 44 | 12.117 | 3209 | 3217 | 3224 | rBV6 | 80265   | 135383   | 1.01%   | 0.103%  |
| 45 | 12.249 | 3249 | 3258 | 3267 | rBV  | 360471  | 589649   | 4.39%   | 0.448%  |
| 46 | 12.400 | 3290 | 3305 | 3315 | rBV2 | 1336707 | 2321730  | 17.28%  | 1.762%  |
| 47 | 12.593 | 3354 | 3365 | 3374 | rBV  | 1277593 | 1963904  | 14.62%  | 1.491%  |
| 48 | 12.654 | 3374 | 3384 | 3391 | rBV  | 4963466 | 8180531  | 60.89%  | 6.209%  |
| 49 | 12.731 | 3401 | 3408 | 3422 | rVB  | 2767066 | 4452124  | 33.14%  | 3.379%  |
| 50 | 12.892 | 3445 | 3458 | 3474 | rBV  | 1893678 | 3250408  | 24.19%  | 2.467%  |
| 51 | 13.040 | 3492 | 3504 | 3516 | rBV  | 8628816 | 13435439 | 100.00% | 10.198% |
| 52 | 13.091 | 3516 | 3520 | 3529 | rVB2 | 120243  | 161264   | 1.20%   | 0.122%  |
| 53 | 13.165 | 3530 | 3543 | 3553 | rBV3 | 240842  | 650765   | 4.84%   | 0.494%  |
| 54 | 13.233 | 3556 | 3564 | 3573 | rVB  | 351783  | 564611   | 4.20%   | 0.429%  |
| 55 | 13.288 | 3573 | 3581 | 3587 | rBV3 | 167574  | 259351   | 1.93%   | 0.197%  |
| 56 | 13.345 | 3588 | 3599 | 3603 | rVV  | 1772438 | 2821935  | 21.00%  | 2.142%  |
| 57 | 13.374 | 3604 | 3608 | 3619 | rVB  | 1779714 | 2489531  | 18.53%  | 1.890%  |
| 58 | 13.513 | 3640 | 3651 | 3653 | rBV  | 740225  | 949077   | 7.06%   | 0.720%  |
| 59 | 13.542 | 3654 | 3660 | 3667 | rVV  | 2094179 | 3172364  | 23.61%  | 2.408%  |
| 60 | 13.583 | 3667 | 3673 | 3692 | rVB4 | 1972940 | 3903873  | 29.06%  | 2.963%  |
| 61 | 13.673 | 3693 | 3701 | 3709 | rVB  | 333630  | 470928   | 3.51%   | 0.357%  |
| 62 | 13.738 | 3709 | 3721 | 3731 | rVB2 | 517199  | 884385   | 6.58%   | 0.671%  |
| 63 | 13.805 | 3731 | 3742 | 3747 | rBV3 | 1358477 | 2310189  | 17.19%  | 1.753%  |
| 64 | 13.889 | 3759 | 3768 | 3778 | rVB  | 1580137 | 2411245  | 17.95%  | 1.830%  |
| 65 | 13.943 | 3778 | 3785 | 3792 | rVV  | 136100  | 197459   | 1.47%   | 0.150%  |
| 66 | 13.995 | 3792 | 3801 | 3812 | rVB  | 753279  | 1204283  | 8.96%   | 0.914%  |
| 67 | 14.069 | 3818 | 3824 | 3833 | rVB5 | 149531  | 245801   | 1.83%   | 0.187%  |
| 68 | 14.127 | 3833 | 3842 | 3852 | rBV  | 316700  | 510976   | 3.80%   | 0.388%  |
| 69 | 14.210 | 3858 | 3868 | 3873 | rBV  | 650913  | 985921   | 7.34%   | 0.748%  |
| 70 | 14.249 | 3873 | 3880 | 3888 | rVV  | 971559  | 1448488  | 10.78%  | 1.099%  |
| 71 | 14.297 | 3888 | 3895 | 3901 | rVV2 | 354017  | 486256   | 3.62%   | 0.369%  |

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Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 B-6(8-8.5)

## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON Filtering: 5  
 Sampling : 1 Min Area: 3 % of largest Peak  
 Start Thrs: 0.2 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\_N\METHODS\82N100418W.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 72 | 14.336 | 3901 | 3907 | 3914 | rVB2 | 181266 | 227398  | 1.69%  | 0.173% |
| 73 | 14.435 | 3931 | 3938 | 3943 | rBV2 | 180333 | 249025  | 1.85%  | 0.189% |
| 74 | 14.474 | 3943 | 3950 | 3960 | rVV  | 670483 | 1145591 | 8.53%  | 0.870% |
| 75 | 14.525 | 3961 | 3966 | 3974 | rVB  | 315815 | 429498  | 3.20%  | 0.326% |
| 76 | 14.590 | 3974 | 3986 | 3998 | rBV5 | 981235 | 2124906 | 15.82% | 1.613% |
| 77 | 14.651 | 3998 | 4005 | 4016 | rVB2 | 272910 | 464144  | 3.45%  | 0.352% |
| 78 | 14.853 | 4050 | 4068 | 4087 | rBV4 | 372888 | 1088963 | 8.11%  | 0.827% |
| 79 | 14.959 | 4090 | 4101 | 4113 | rVB3 | 267148 | 548787  | 4.08%  | 0.417% |
| 80 | 15.133 | 4144 | 4155 | 4167 | rVB  | 388206 | 725245  | 5.40%  | 0.550% |
| 81 | 15.239 | 4179 | 4188 | 4197 | rBV5 | 111082 | 195200  | 1.45%  | 0.148% |
| 82 | 15.416 | 4232 | 4243 | 4257 | rBV2 | 147253 | 284412  | 2.12%  | 0.216% |
| 83 | 15.577 | 4276 | 4293 | 4311 | rBV4 | 80775  | 272011  | 2.02%  | 0.206% |
| 84 | 15.770 | 4342 | 4353 | 4368 | rVB5 | 61376  | 141906  | 1.06%  | 0.108% |
| 85 | 16.162 | 4464 | 4475 | 4487 | rVB2 | 120837 | 238728  | 1.78%  | 0.181% |
| 86 | 16.352 | 4521 | 4534 | 4548 | rBV  | 75880  | 168228  | 1.25%  | 0.128% |

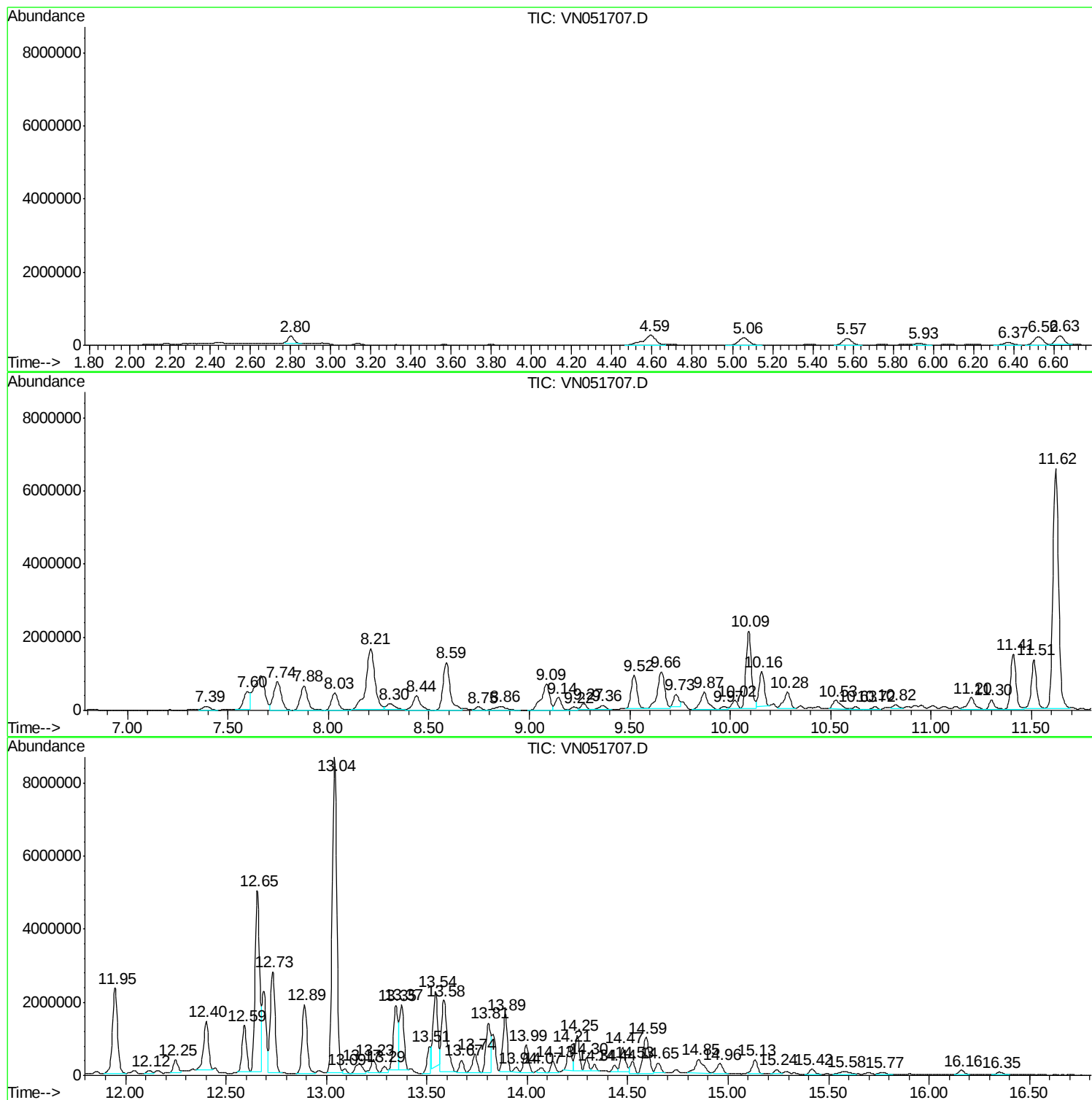
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ALS Vial : 37 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
B-6(8-8.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N100418W.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN100618\  
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Misc : 6.42u/5.00mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 37 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
B-6(8-8.5)

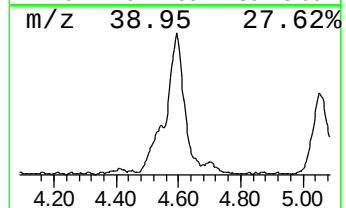
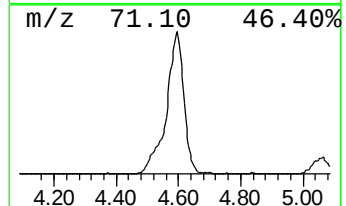
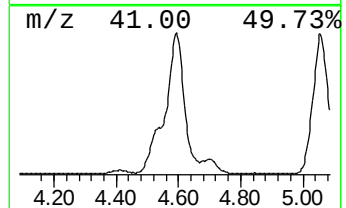
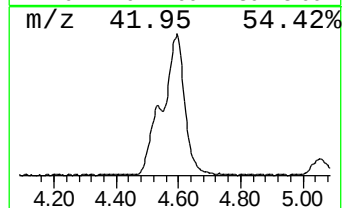
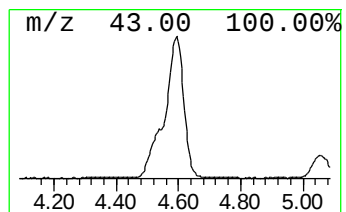
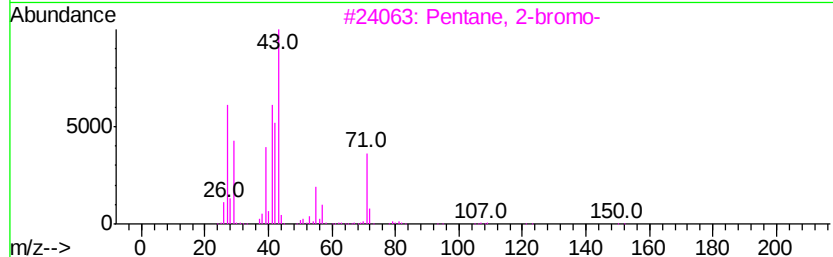
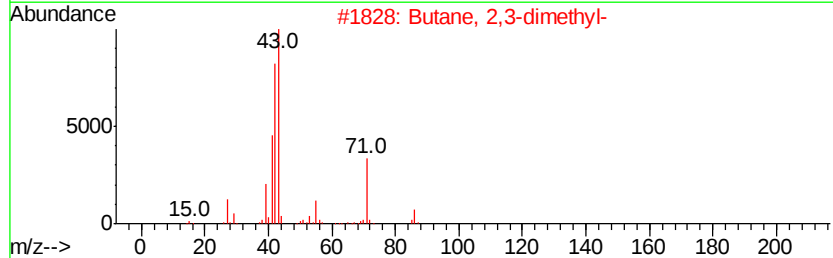
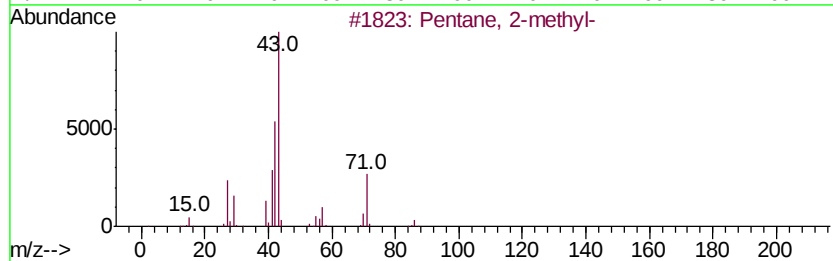
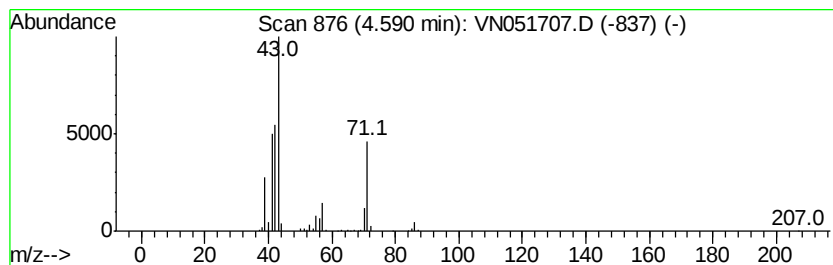
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N100418W.M  
Quant Title : SW846 8260

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

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Peak Number 1 Pentane, 2-methyl- Concentration Rank 7

| R.T. | EstConc    | Area    | Relative to ISTD   | R.T. |
|------|------------|---------|--------------------|------|
| 4.59 | 54.21 ug/l | 1186640 | Pentafluorobenzene | 7.67 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane, 2-methyl-       | 86  | C6H14   | 000107-83-5 | 90   |
| 2    |    | Butane, 2,3-dimethyl-    | 86  | C6H14   | 000079-29-8 | 52   |
| 3    |    | Pentane, 2-bromo-        | 150 | C5H11Br | 000107-81-3 | 50   |
| 4    |    | 1-Butanol, 2,3-dimethyl- | 102 | C6H14O  | 019550-30-2 | 45   |
| 5    |    | Pentane                  | 72  | C5H12   | 000109-66-0 | 43   |



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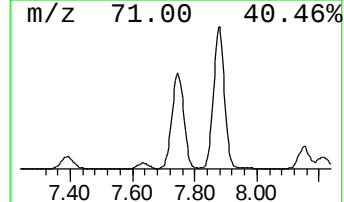
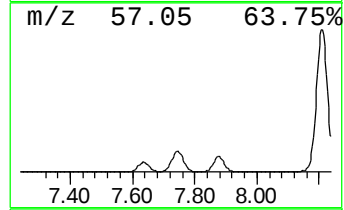
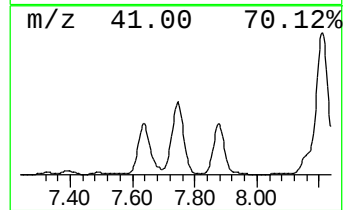
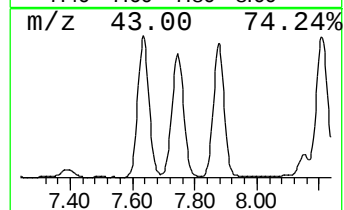
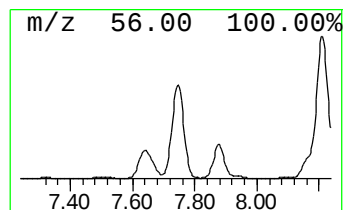
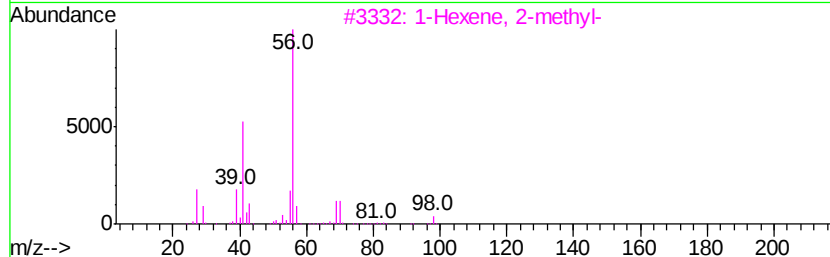
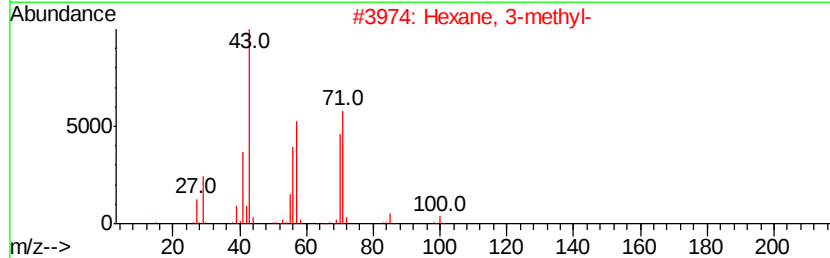
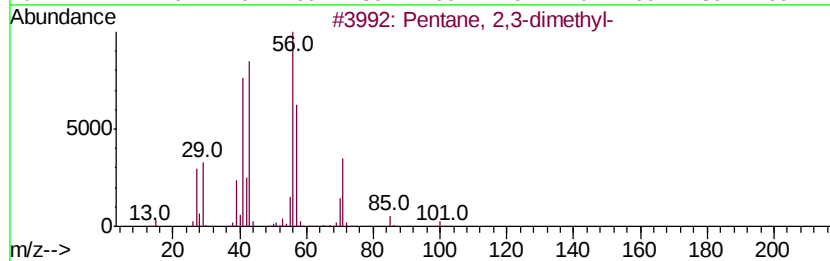
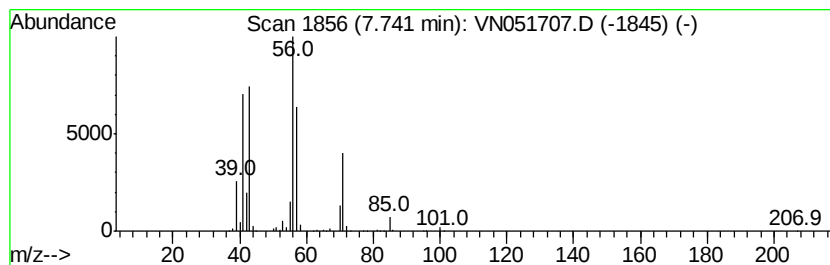
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N100418W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 Pentane, 2,3-dimethyl- Concentration Rank 2

| R.T. | EstConc    | Area    | Relative to ISTD   | R.T. |
|------|------------|---------|--------------------|------|
| 7.74 | 94.12 ug/l | 2060390 | Pentafluorobenzene | 7.67 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane, 2,3-dimethyl- | 100 | C7H16   | 000565-59-3 | 94   |
| 2    |    | Hexane, 3-methyl-      | 100 | C7H16   | 000589-34-4 | 38   |
| 3    |    | 1-Hexene, 2-methyl-    | 98  | C7H14   | 006094-02-6 | 38   |
| 4    |    | Heptane                | 100 | C7H16   | 000142-82-5 | 37   |
| 5    |    | Propane, 1-isocyanato- | 85  | C4H7NO  | 000110-78-1 | 37   |



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B-6(8-8.5)

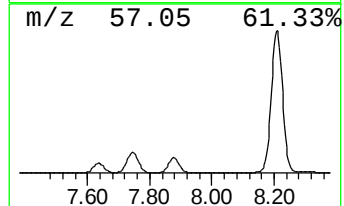
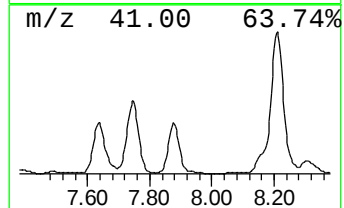
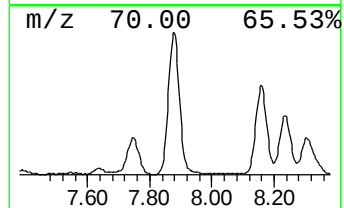
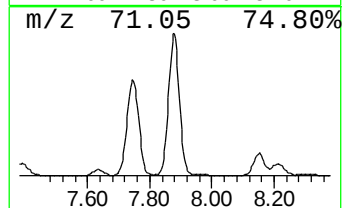
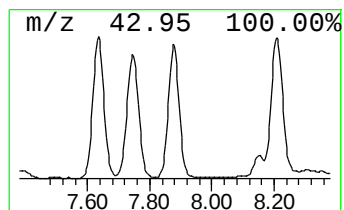
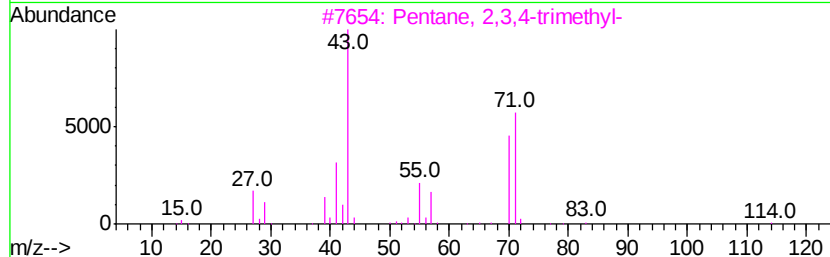
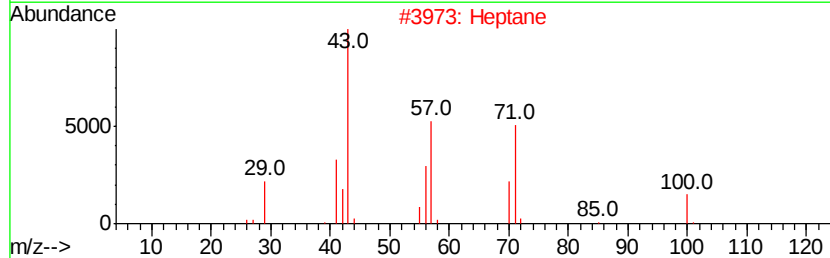
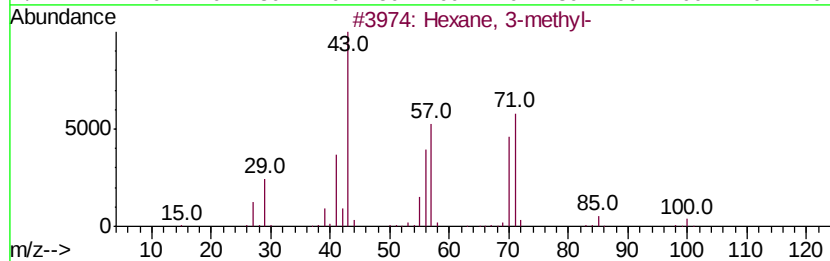
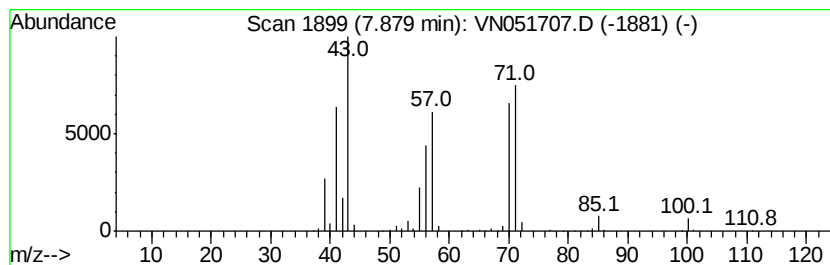
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Hexane, 3-methyl- Concentration Rank 4

| R.T. | EstConc    | Area    | Relative to ISTD   | R.T. |
|------|------------|---------|--------------------|------|
| 7.88 | 75.50 ug/l | 1652670 | Pentafluorobenzene | 7.67 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexane, 3-methyl-         | 100 | C7H16   | 000589-34-4 | 91   |
| 2    |    | Heptane                   | 100 | C7H16   | 000142-82-5 | 80   |
| 3    |    | Pentane, 2,3,4-trimethyl- | 114 | C8H18   | 000565-75-3 | 59   |
| 4    |    | Decane, 3,3,4-trimethyl-  | 184 | C13H28  | 049622-18-6 | 59   |
| 5    |    | Heptane, 4-methyl-        | 114 | C8H18   | 000589-53-7 | 59   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100618\  
Data File : VN051707.D  
Acq On : 6 Oct 2018 00:03  
Operator : MD\SY  
Sample : J5084-12 50X  
Misc : 6.42g/5.00mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 37 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
B-6(8-8.5)

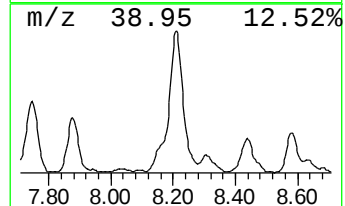
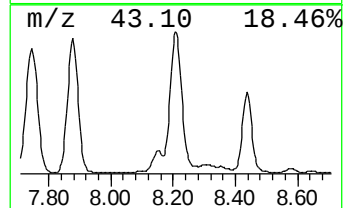
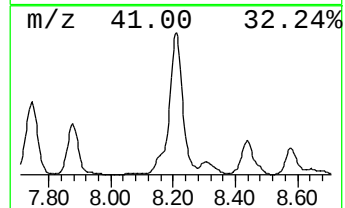
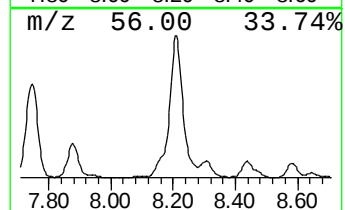
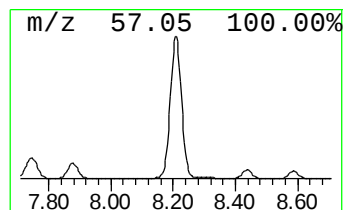
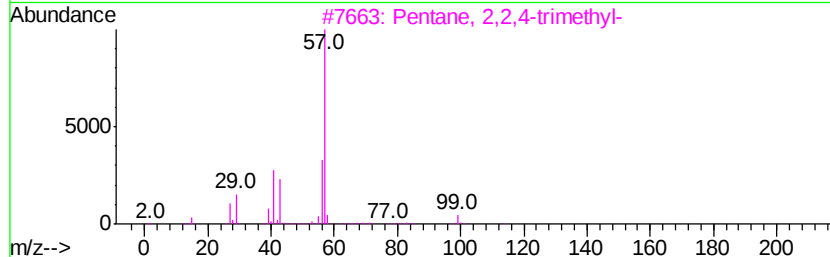
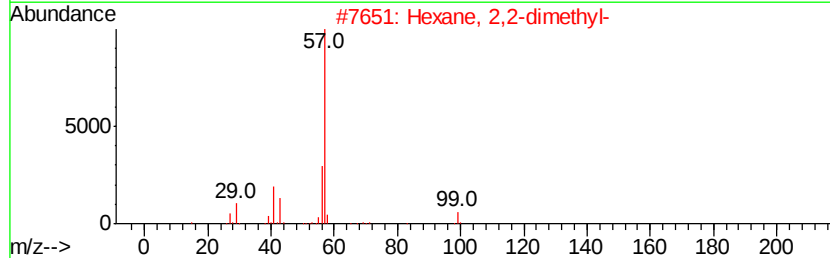
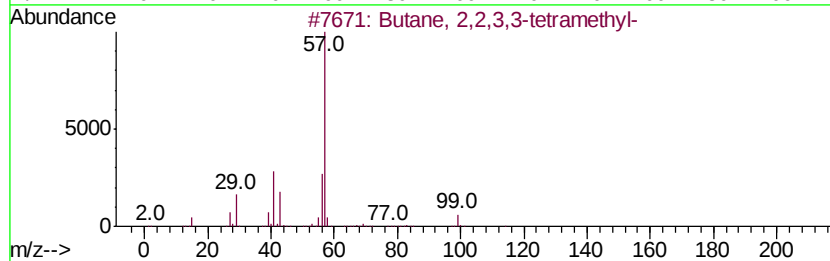
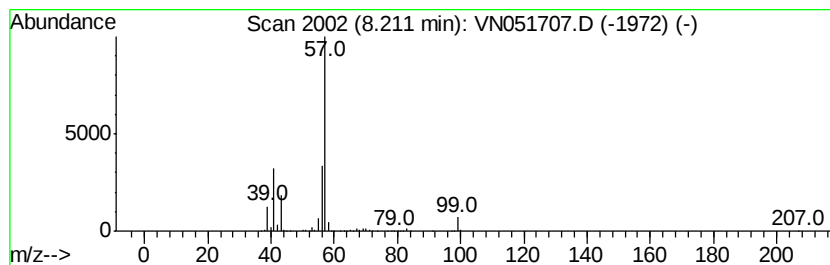
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 Butane, 2,2,3,3-tetramethyl- Concentration Rank 3

| R.T. | EstConc    | Area    | Relative to ISTD    | R.T. |
|------|------------|---------|---------------------|------|
| 8.21 | 81.46 ug/l | 5198400 | 1,4-Difluorobenzene | 8.59 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2,2,3,3-tetramethyl-  | 114 | C8H18   | 000594-82-1 | 72   |
| 2    |    | Hexane, 2,2-dimethyl-         | 114 | C8H18   | 000590-73-8 | 72   |
| 3    |    | Pentane, 2,2,4-trimethyl-     | 114 | C8H18   | 000540-84-1 | 72   |
| 4    |    | Hexane, 2,2,4-trimethyl-      | 128 | C9H20   | 016747-26-5 | 59   |
| 5    |    | Pentane, 2,2,4,4-tetramethyl- | 128 | C9H20   | 001070-87-7 | 50   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN100618\  
Data File : VN051707.D  
Acq On : 6 Oct 2018 00:03  
Operator : MD\SY  
Sample : J5084-12 50X  
Misc : 6.42g/5.00mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 37 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampled :  
B-6(8-8.5)

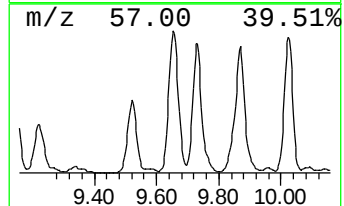
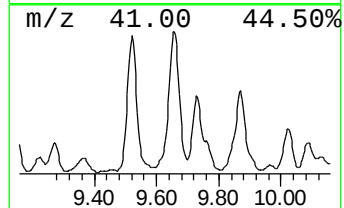
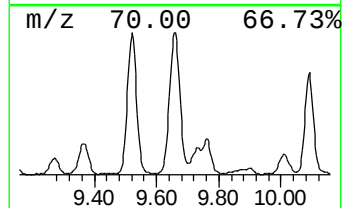
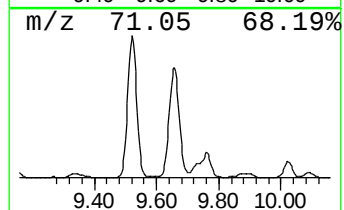
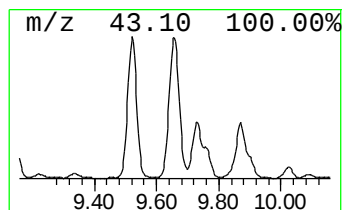
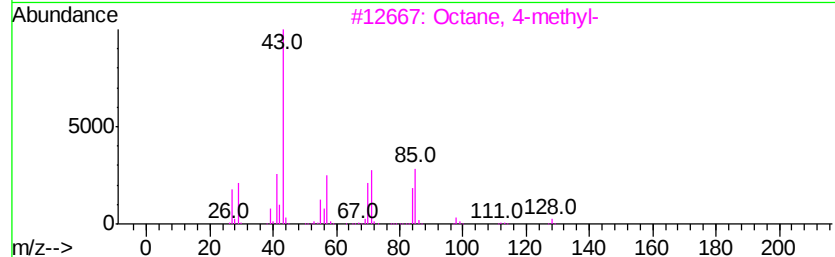
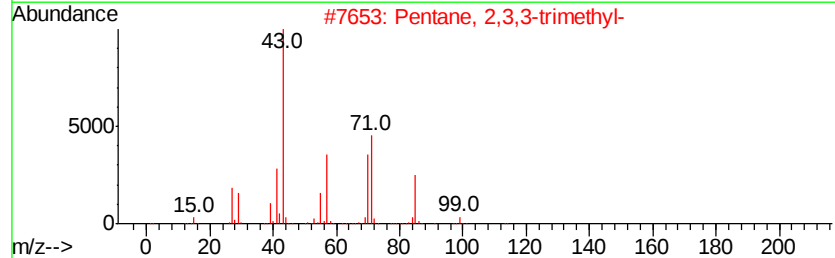
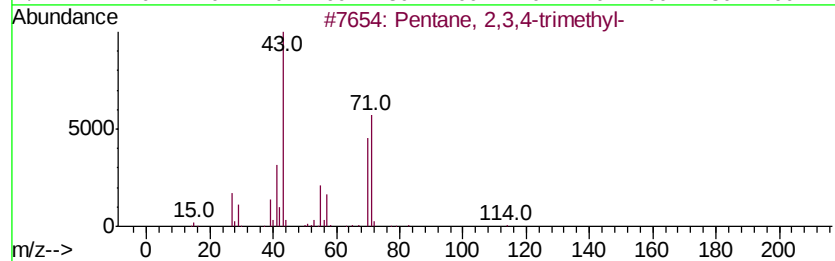
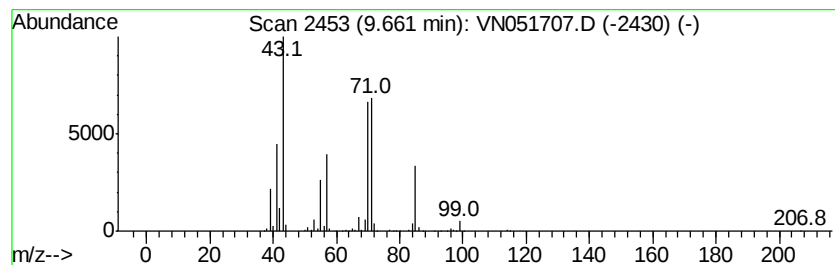
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 Pentane, 2,3,4-trimethyl- Concentration Rank 10

| R.T. | EstConc    | Area    | Relative to ISTD    | R.T. |
|------|------------|---------|---------------------|------|
| 9.66 | 40.39 ug/l | 2577530 | 1,4-Difluorobenzene | 8.59 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane, 2,3,4-trimethyl-  | 114 | C8H18   | 000565-75-3 | 81   |
| 2    |    | Pentane, 2,3,3-trimethyl-  | 114 | C8H18   | 000560-21-4 | 72   |
| 3    |    | Octane, 4-methyl-          | 128 | C9H20   | 002216-34-4 | 64   |
| 4    |    | 3,3-Dimethyl-2-pentanol    | 116 | C7H16O  | 019781-24-9 | 59   |
| 5    |    | Pentane, 3-ethyl-2-methyl- | 114 | C8H18   | 000609-26-7 | 58   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100618\  
Data File : VN051707.D  
Acq On : 6 Oct 2018 00:03  
Operator : MD\SY  
Sample : J5084-12 50X  
Misc : 6.42u/5.00mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 37 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
B-6(8-8.5)

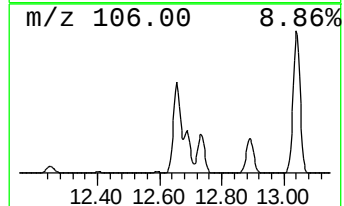
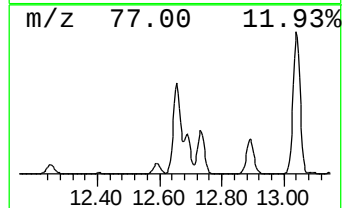
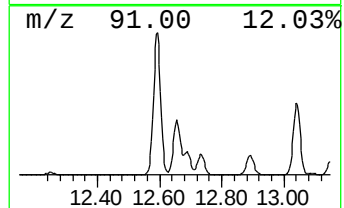
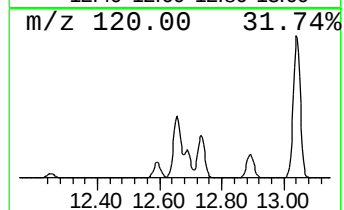
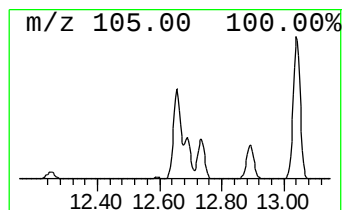
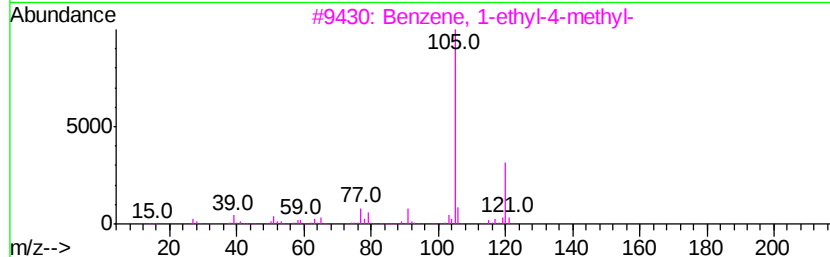
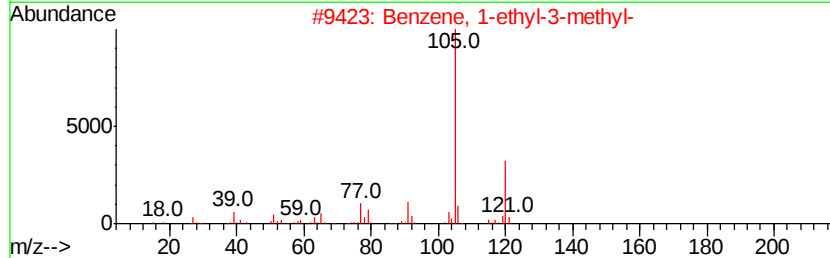
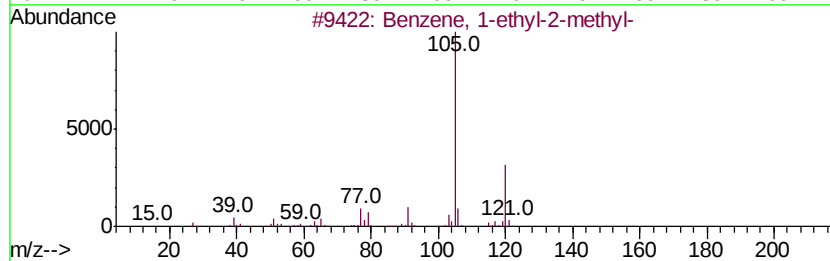
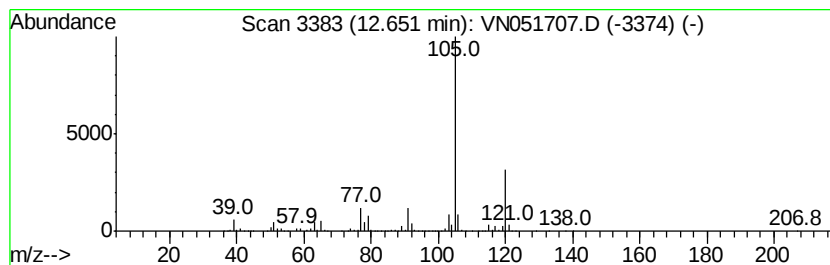
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Quant Title : SW846 8260

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

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Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 12.65 | 144.95 ug/l | 8180530 | 1,4-Dichlorobenzene-d4 | 13.35 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 2    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 95   |
| 3    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |
| 4    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 91   |
| 5    |    | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100618\  
Data File : VN051707.D  
Acq On : 6 Oct 2018 00:03  
Operator : MD\SY  
Sample : J5084-12 50X  
Misc : 6.42g/5.00mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 37 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
B-6(8-8.5)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N100418W.M  
Quant Title : SW846 8260

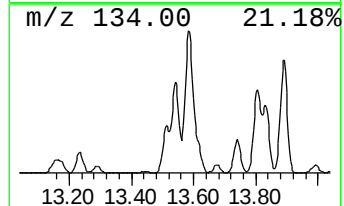
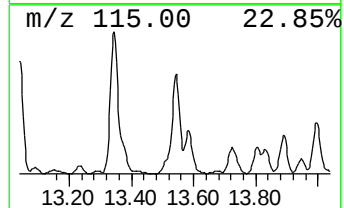
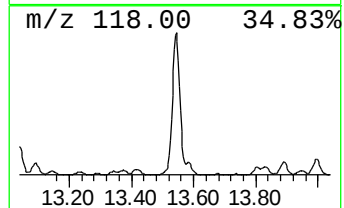
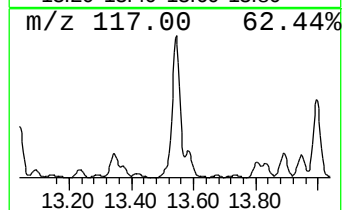
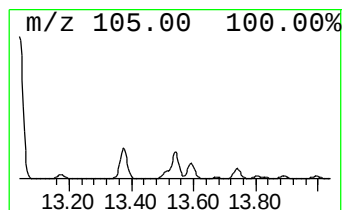
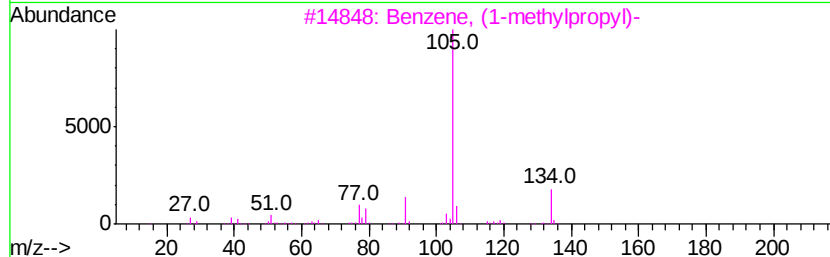
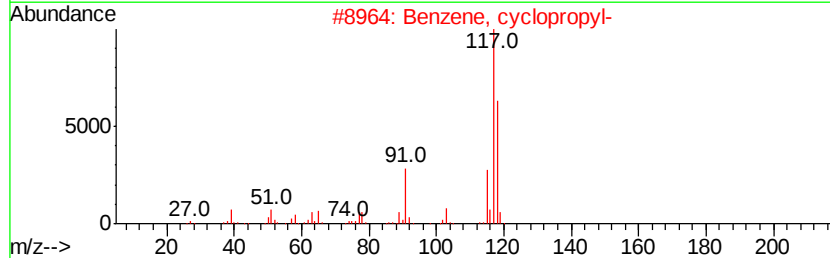
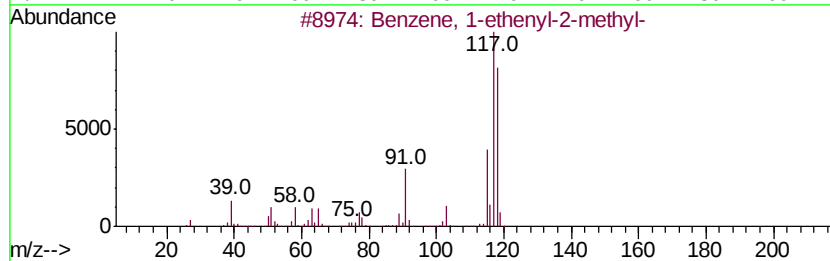
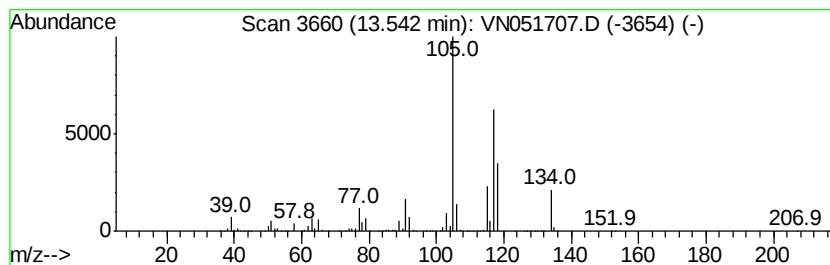
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Benzene, 1-ethenyl-2-methyl- Concentration Rank 6

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 13.54 | 56.21 ug/l | 3172360 | 1,4-Dichlorobenzene-d4 | 13.35 |

| Hit# of | 5                            | Tentative ID | MW     | MolForm     | CAS# | Qual |
|---------|------------------------------|--------------|--------|-------------|------|------|
| 1       | Benzene, 1-ethenyl-2-methyl- | 118          | C9H10  | 000611-15-4 | 55   |      |
| 2       | Benzene, cyclopropyl-        | 118          | C9H10  | 000873-49-4 | 55   |      |
| 3       | Benzene, (1-methylpropyl)-   | 134          | C10H14 | 000135-98-8 | 46   |      |
| 4       | Benzene, 2-propenyl-         | 118          | C9H10  | 000300-57-2 | 43   |      |
| 5       | Benzene, 1-methyl-3-propyl-  | 134          | C10H14 | 001074-43-7 | 41   |      |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100618\  
Data File : VN051707.D  
Acq On : 6 Oct 2018 00:03  
Operator : MD\SY  
Sample : J5084-12 50X  
Misc : 6.42u/5.00mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 37 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
B-6(8-8.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N100418W.M  
Quant Title : SW846 8260

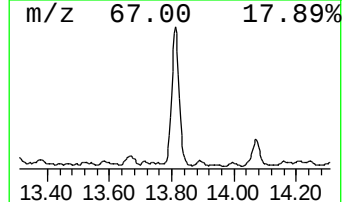
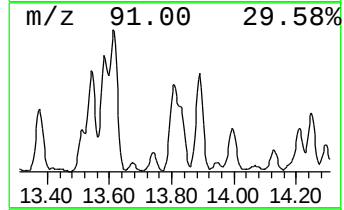
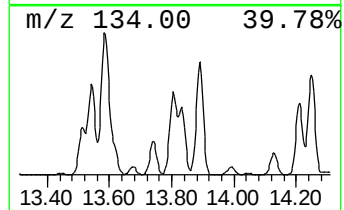
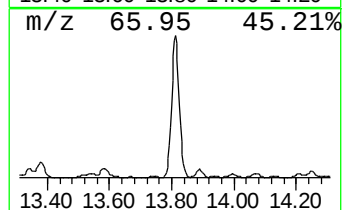
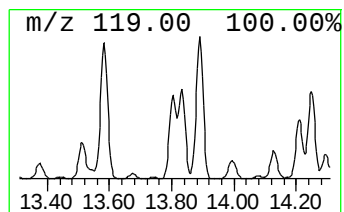
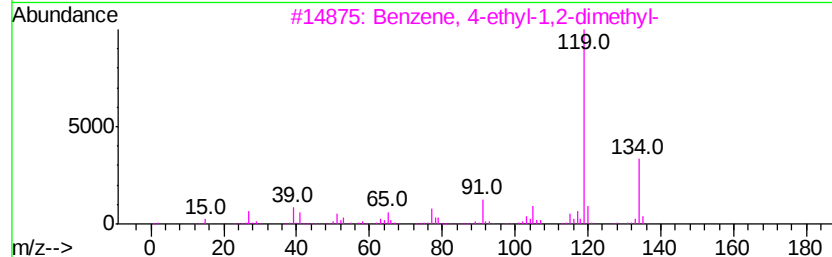
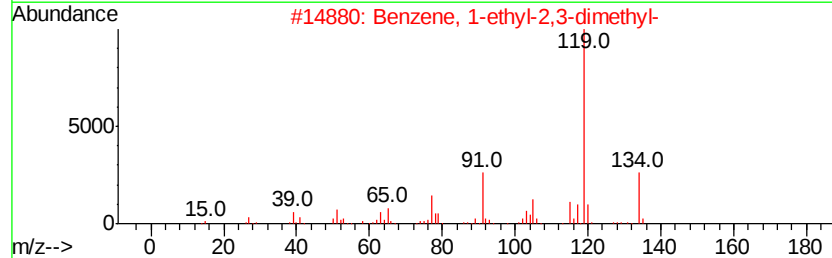
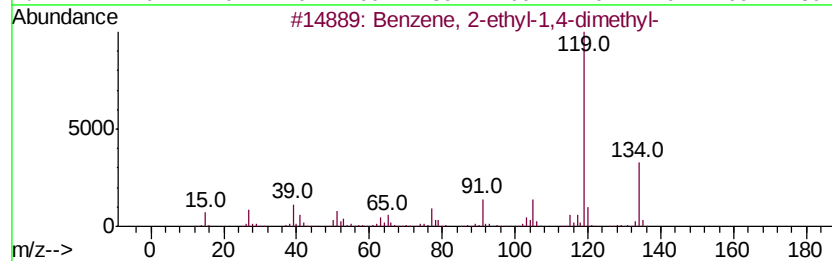
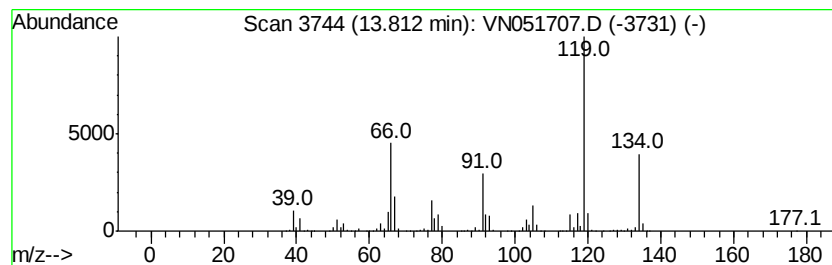
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 13.81 | 40.93 ug/l | 2310190 | 1,4-Dichlorobenzene-d4 | 13.35 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 92   |
| 2    |    | Benzene, 1-ethyl-2,3-dimethyl-      | 134 | C10H14  | 000933-98-2 | 92   |
| 3    |    | Benzene, 4-ethyl-1,2-dimethyl-      | 134 | C10H14  | 000934-80-5 | 92   |
| 4    |    | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 90   |
| 5    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 90   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN100618\  
Data File : VN051707.D  
Acq On : 6 Oct 2018 00:03  
Operator : MD\SY  
Sample : J5084-12 50X  
Misc : 6.42g/5.00mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 37 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
B-6(8-8.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N100418W.M  
Quant Title : SW846 8260

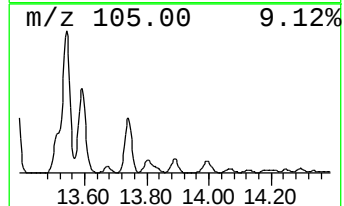
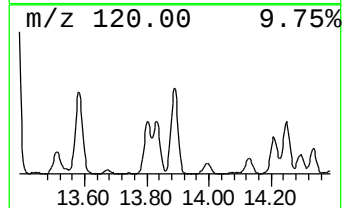
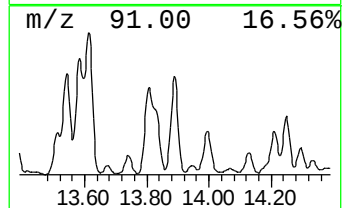
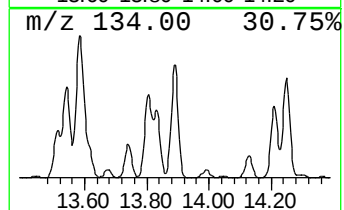
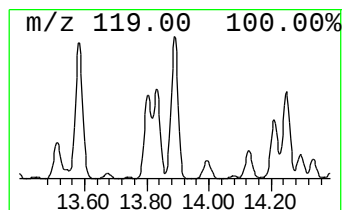
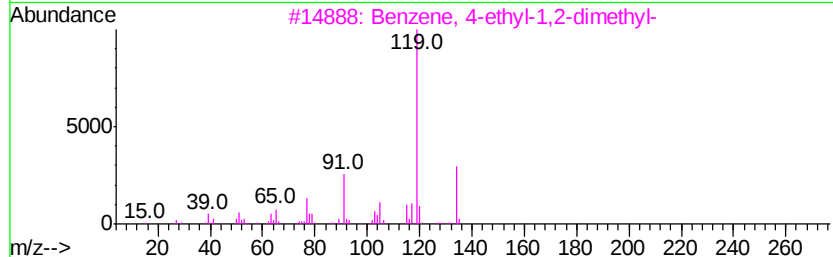
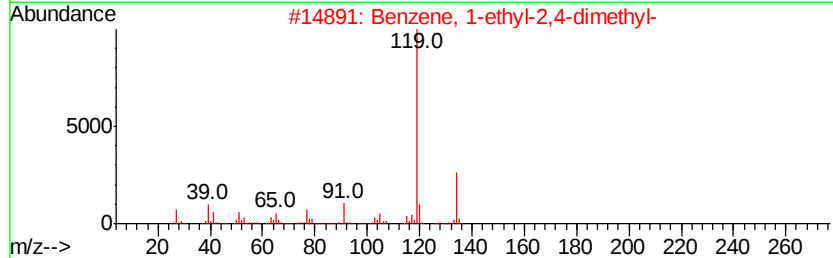
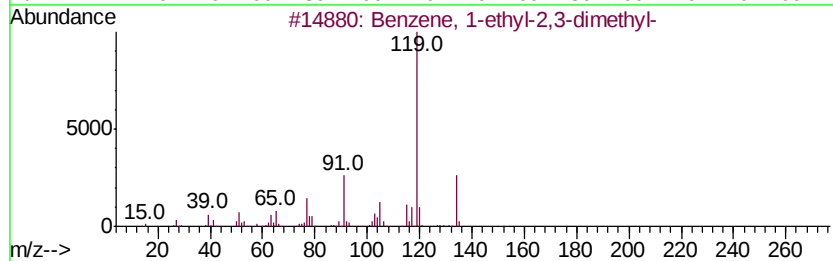
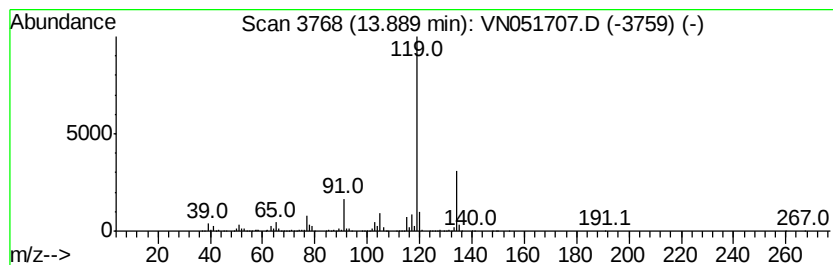
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 8

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 13.89 | 42.72 ug/l | 2411250 | 1,4-Dichlorobenzene-d4 | 13.35 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 95   |
| 2    |    | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 95   |
| 3    |    | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 95   |
| 4    |    | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14  | 002870-04-4 | 94   |
| 5    |    | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 94   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN100618\  
Data File : VN051707.D  
Acq On : 6 Oct 2018 00:03  
Operator : MD\SY  
Sample : J5084-12 50X  
Misc : 6.42g/5.00mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 37 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
B-6(8-8.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N100418W.M  
Quant Title : SW846 8260

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Pentane, 2-methyl-   | 4.59  | 54.2    | ug/l  | 1186640  | 1                     | 7.67  | 1094550 | 50.0 |
| Pentane, 2,3-dime... | 7.74  | 94.1    | ug/l  | 2060390  | 1                     | 7.67  | 1094550 | 50.0 |
| Hexane, 3-methyl-    | 7.88  | 75.5    | ug/l  | 1652670  | 1                     | 7.67  | 1094550 | 50.0 |
| Butane, 2,2,3,3-t... | 8.21  | 81.5    | ug/l  | 5198400  | 2                     | 8.59  | 3190830 | 50.0 |
| Pentane, 2,3,4-tr... | 9.66  | 40.4    | ug/l  | 2577530  | 2                     | 8.59  | 3190830 | 50.0 |
| Benzene, 1-ethyl-... | 12.65 | 144.9   | ug/l  | 8180530  | 4                     | 13.35 | 2821940 | 50.0 |
| Benzene, 1-etheny... | 13.54 | 56.2    | ug/l  | 3172360  | 4                     | 13.35 | 2821940 | 50.0 |
| Benzene, 2-ethyl-... | 13.81 | 40.9    | ug/l  | 2310190  | 4                     | 13.35 | 2821940 | 50.0 |
| Benzene, 1-ethyl-... | 13.89 | 42.7    | ug/l  | 2411250  | 4                     | 13.35 | 2821940 | 50.0 |