

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN100618\  
 Data File : VN051701.D  
 Acq On : 5 Oct 2018 21:35  
 Operator : MD\SY  
 Sample : J5084-13  
 Misc : 5.76g/5.00mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 31 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 B-11(12-12.5)

## 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 # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 2.198    | 109        | 132      | 135       | rBV8  | 23428       | 69362      | 2.08%        | 0.251%     |
| 2      | 2.429    | 196        | 204      | 205       | rBV   | 33888       | 41773      | 1.26%        | 0.151%     |
| 3      | 6.510    | 1451       | 1473     | 1492      | rBV3  | 14034       | 45628      | 1.37%        | 0.165%     |
| 4      | 7.590    | 1787       | 1809     | 1820      | rBV2  | 432963      | 1099744    | 33.04%       | 3.978%     |
| 5      | 7.664    | 1821       | 1832     | 1848      | rVV   | 680019      | 1606108    | 48.25%       | 5.810%     |
| 6      | 7.738    | 1849       | 1855     | 1873      | rVB4  | 48862       | 116550     | 3.50%        | 0.422%     |
| 7      | 8.027    | 1927       | 1945     | 1966      | rBV   | 438444      | 1016651    | 30.54%       | 3.678%     |
| 8      | 8.207    | 1971       | 2001     | 2019      | rBV2  | 152970      | 429032     | 12.89%       | 1.552%     |
| 9      | 8.587    | 2101       | 2119     | 2143      | rBV   | 916458      | 1926079    | 57.87%       | 6.968%     |
| 10     | 9.088    | 2270       | 2275     | 2282      | rVV3  | 32884       | 53442      | 1.61%        | 0.193%     |
| 11     | 9.140    | 2283       | 2291     | 2305      | rVB3  | 42620       | 84777      | 2.55%        | 0.307%     |
| 12     | 9.365    | 2340       | 2361     | 2380      | rVB8  | 25914       | 75324      | 2.26%        | 0.272%     |
| 13     | 9.519    | 2388       | 2409     | 2425      | rBV3  | 146838      | 311246     | 9.35%        | 1.126%     |
| 14     | 9.654    | 2434       | 2451     | 2466      | rBV3  | 137952      | 321739     | 9.67%        | 1.164%     |
| 15     | 9.760    | 2478       | 2484     | 2496      | rVB5  | 34277       | 62789      | 1.89%        | 0.227%     |
| 16     | 9.866    | 2496       | 2517     | 2542      | rVB10 | 57379       | 203309     | 6.11%        | 0.735%     |
| 17     | 10.024   | 2551       | 2566     | 2573      | rBV4  | 47311       | 96795      | 2.91%        | 0.350%     |
| 18     | 10.091   | 2573       | 2587     | 2616      | rVB   | 1768426     | 3328379    | 100.00%      | 12.041%    |
| 19     | 10.432   | 2686       | 2693     | 2708      | rVB5  | 46235       | 83178      | 2.50%        | 0.301%     |
| 20     | 10.529   | 2708       | 2723     | 2734      | rBV9  | 55665       | 139671     | 4.20%        | 0.505%     |
| 21     | 10.625   | 2745       | 2753     | 2764      | rVB4  | 35019       | 61550      | 1.85%        | 0.223%     |
| 22     | 10.718   | 2764       | 2782     | 2792      | rBV2  | 65122       | 124500     | 3.74%        | 0.450%     |
| 23     | 10.818   | 2804       | 2813     | 2827      | rBV2  | 53693       | 99952      | 3.00%        | 0.362%     |
| 24     | 10.950   | 2849       | 2854     | 2861      | rVB2  | 30590       | 40070      | 1.20%        | 0.145%     |
| 25     | 11.005   | 2862       | 2871     | 2882      | rVB2  | 120391      | 209796     | 6.30%        | 0.759%     |
| 26     | 11.059   | 2882       | 2888     | 2896      | rVB8  | 25217       | 33885      | 1.02%        | 0.123%     |
| 27     | 11.120   | 2896       | 2907     | 2915      | rBV4  | 59172       | 103649     | 3.11%        | 0.375%     |
| 28     | 11.197   | 2915       | 2931     | 2952      | rVB6  | 145918      | 444912     | 13.37%       | 1.609%     |
| 29     | 11.300   | 2952       | 2963     | 2982      | rBV   | 147686      | 307251     | 9.23%        | 1.112%     |
| 30     | 11.406   | 2983       | 2996     | 3013      | rBV   | 1335912     | 2396463    | 72.00%       | 8.669%     |
| 31     | 11.484   | 3014       | 3020     | 3028      | rVB2  | 47407       | 70921      | 2.13%        | 0.257%     |
| 32     | 11.587   | 3045       | 3052     | 3063      | rVB5  | 57453       | 104003     | 3.12%        | 0.376%     |
| 33     | 11.660   | 3064       | 3075     | 3083      | rBV6  | 120988      | 247545     | 7.44%        | 0.896%     |
| 34     | 11.754   | 3097       | 3104     | 3112      | rBV10 | 16665       | 33985      | 1.02%        | 0.123%     |

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 ALS Vial : 31 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 B-11(12-12.5)

## 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 | 11.812 | 3113 | 3122 | 3128 | rBV6 | 29519   | 55169   | 1.66%  | 0.200% |
| 36 | 11.857 | 3129 | 3136 | 3144 | rVV6 | 60181   | 93089   | 2.80%  | 0.337% |
| 37 | 11.924 | 3145 | 3157 | 3169 | rVV6 | 126057  | 291358  | 8.75%  | 1.054% |
| 38 | 12.043 | 3187 | 3194 | 3202 | rVB2 | 145022  | 219012  | 6.58%  | 0.792% |
| 39 | 12.120 | 3209 | 3218 | 3223 | rBV3 | 116087  | 194938  | 5.86%  | 0.705% |
| 40 | 12.300 | 3262 | 3274 | 3278 | rBV6 | 81484   | 171833  | 5.16%  | 0.622% |
| 41 | 12.400 | 3291 | 3305 | 3315 | rVB2 | 1200240 | 2139914 | 64.29% | 7.741% |
| 42 | 12.558 | 3344 | 3354 | 3371 | rVB9 | 118572  | 314091  | 9.44%  | 1.136% |
| 43 | 12.731 | 3395 | 3408 | 3420 | rBV9 | 102176  | 331287  | 9.95%  | 1.198% |
| 44 | 12.927 | 3464 | 3469 | 3473 | rBV4 | 51459   | 60520   | 1.82%  | 0.219% |
| 45 | 12.963 | 3474 | 3480 | 3494 | rVB4 | 157855  | 281050  | 8.44%  | 1.017% |
| 46 | 13.091 | 3513 | 3520 | 3529 | rVB2 | 90095   | 138136  | 4.15%  | 0.500% |
| 47 | 13.146 | 3531 | 3537 | 3549 | rBV8 | 71117   | 178515  | 5.36%  | 0.646% |
| 48 | 13.284 | 3574 | 3580 | 3585 | rBV  | 111311  | 148197  | 4.45%  | 0.536% |
| 49 | 13.345 | 3586 | 3599 | 3609 | rVB  | 1380169 | 2352361 | 70.68% | 8.510% |
| 50 | 13.397 | 3610 | 3615 | 3617 | rBV2 | 62950   | 67190   | 2.02%  | 0.243% |
| 51 | 13.512 | 3645 | 3651 | 3659 | rVB  | 90470   | 129369  | 3.89%  | 0.468% |
| 52 | 13.593 | 3671 | 3676 | 3689 | rVB4 | 83053   | 168299  | 5.06%  | 0.609% |
| 53 | 13.667 | 3692 | 3699 | 3707 | rVV7 | 79343   | 131670  | 3.96%  | 0.476% |
| 54 | 13.815 | 3740 | 3745 | 3757 | rVB4 | 122518  | 222568  | 6.69%  | 0.805% |
| 55 | 13.889 | 3760 | 3768 | 3777 | rBV3 | 183306  | 312700  | 9.39%  | 1.131% |
| 56 | 13.995 | 3792 | 3801 | 3811 | rVB5 | 132518  | 223382  | 6.71%  | 0.808% |
| 57 | 14.066 | 3815 | 3823 | 3833 | rVV6 | 124402  | 223463  | 6.71%  | 0.808% |
| 58 | 14.159 | 3843 | 3852 | 3856 | rBV3 | 124958  | 221054  | 6.64%  | 0.800% |
| 59 | 14.294 | 3885 | 3894 | 3911 | rBV3 | 353418  | 636714  | 19.13% | 2.303% |
| 60 | 14.477 | 3943 | 3951 | 3960 | rBV7 | 100326  | 220059  | 6.61%  | 0.796% |
| 61 | 14.525 | 3961 | 3966 | 3974 | rVB3 | 122592  | 160656  | 4.83%  | 0.581% |
| 62 | 14.593 | 3976 | 3987 | 3997 | rBV8 | 145534  | 420834  | 12.64% | 1.522% |
| 63 | 14.647 | 3997 | 4004 | 4015 | rVB2 | 288396  | 498041  | 14.96% | 1.802% |
| 64 | 14.853 | 4061 | 4068 | 4075 | rVB2 | 232314  | 328027  | 9.86%  | 1.187% |
| 65 | 14.956 | 4092 | 4100 | 4111 | rVB5 | 177781  | 310041  | 9.32%  | 1.122% |
| 66 | 15.111 | 4140 | 4148 | 4166 | rVB8 | 141697  | 319492  | 9.60%  | 1.156% |
| 67 | 15.239 | 4180 | 4188 | 4196 | rBV4 | 87492   | 146256  | 4.39%  | 0.529% |
| 68 | 15.287 | 4197 | 4203 | 4210 | rBV4 | 60594   | 87968   | 2.64%  | 0.318% |
| 69 | 15.422 | 4235 | 4245 | 4257 | rBV3 | 99287   | 251137  | 7.55%  | 0.909% |
| 70 | 15.551 | 4277 | 4285 | 4286 | rBV4 | 49432   | 64538   | 1.94%  | 0.233% |
| 71 | 15.763 | 4342 | 4351 | 4362 | rBV3 | 69125   | 139911  | 4.20%  | 0.506% |

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ALS Vial : 31 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
B-11(12-12.5)

## 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

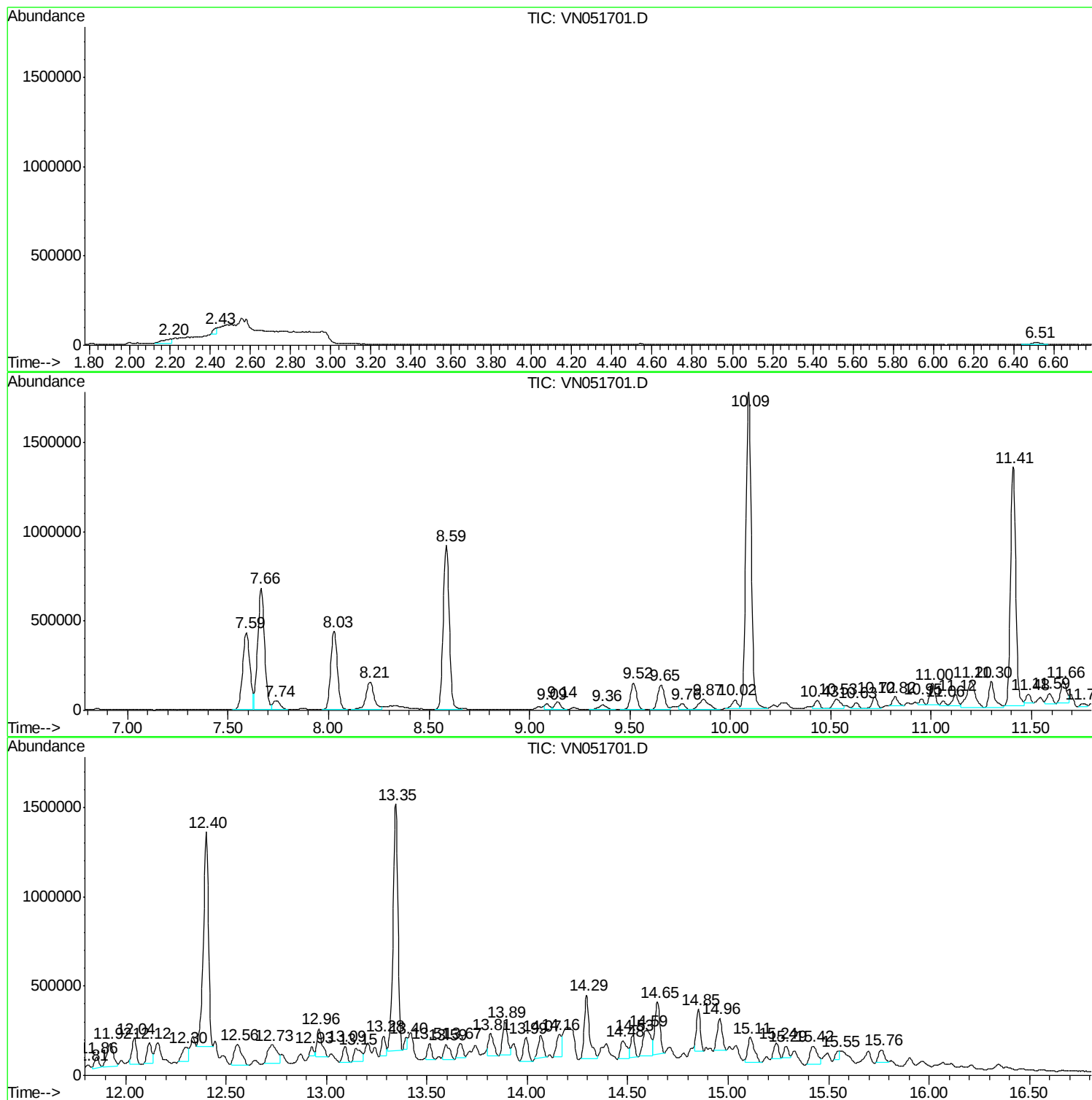
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N100418W.M  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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Instrument :  
MSVOA\_N  
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B-11(12-12.5)

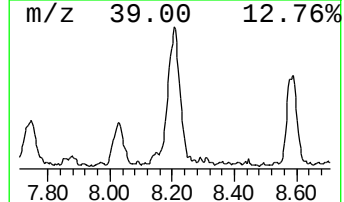
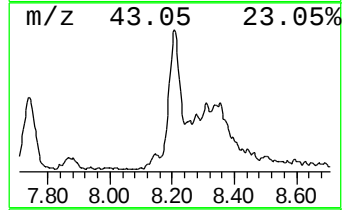
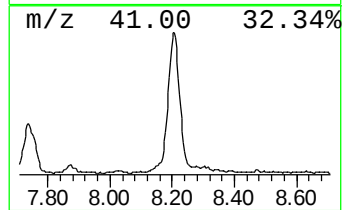
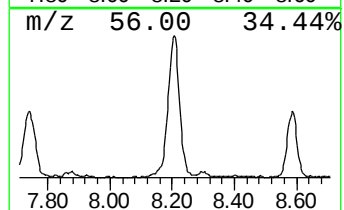
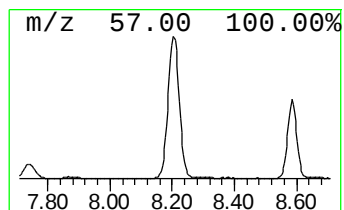
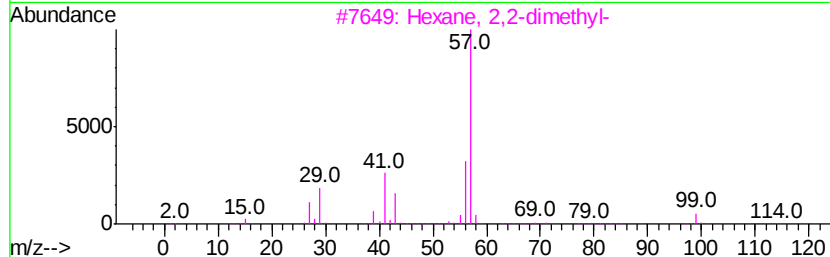
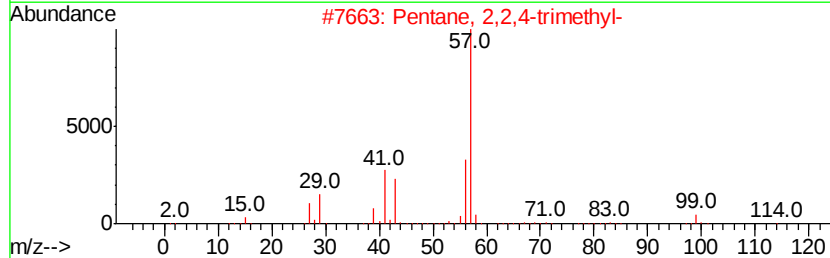
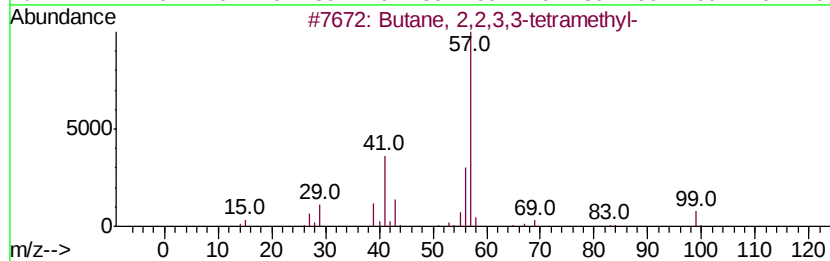
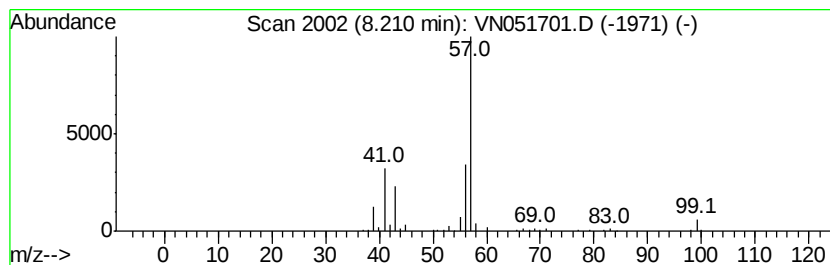
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N100418W.M  
Quant Title : SW846 8260

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

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Peak Number 1 Butane, 2,2,3,3-tetramethyl- Concentration Rank 2

| R.T. | EstConc    | Area   | Relative to ISTD    | R.T. |
|------|------------|--------|---------------------|------|
| 8.21 | 11.14 ug/l | 429032 | 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 | 78   |
| 2    |    | Pentane, 2,2,4-trimethyl-     | 114 | C8H18   | 000540-84-1 | 78   |
| 3    |    | Hexane, 2,2-dimethyl-         | 114 | C8H18   | 000590-73-8 | 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 | 53   |



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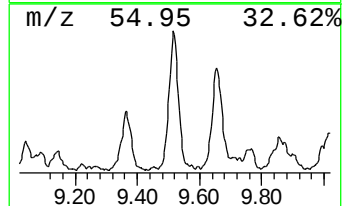
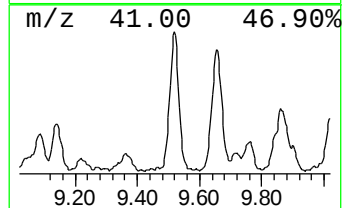
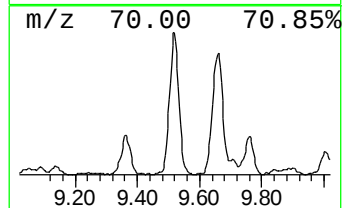
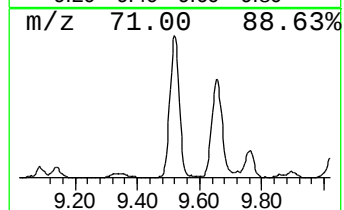
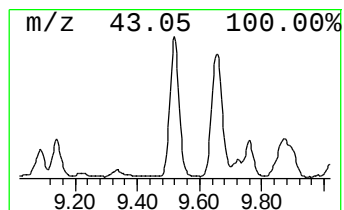
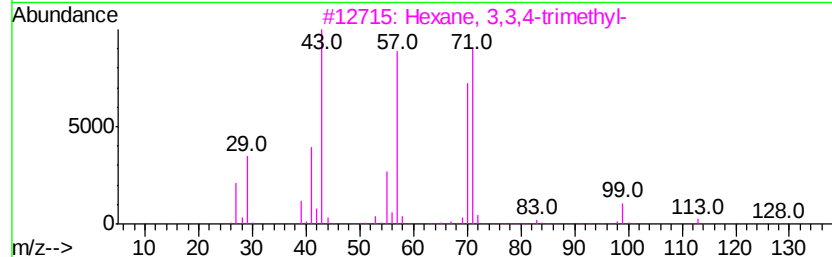
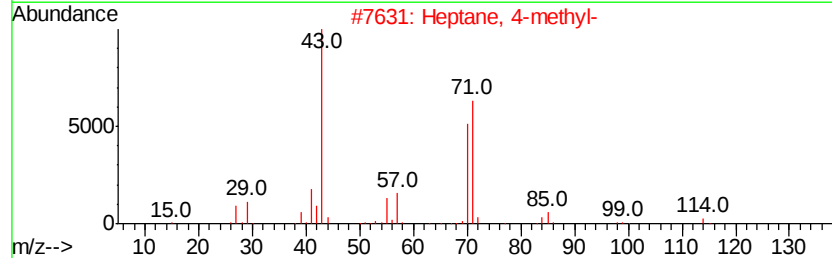
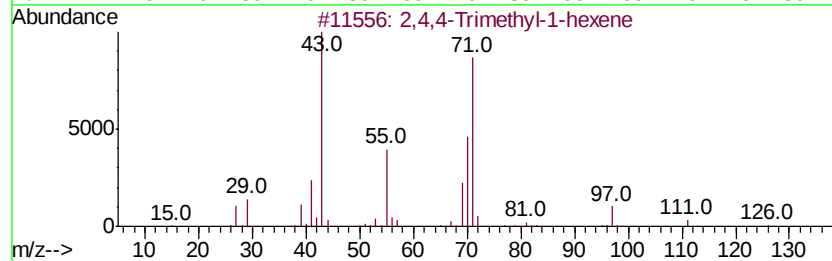
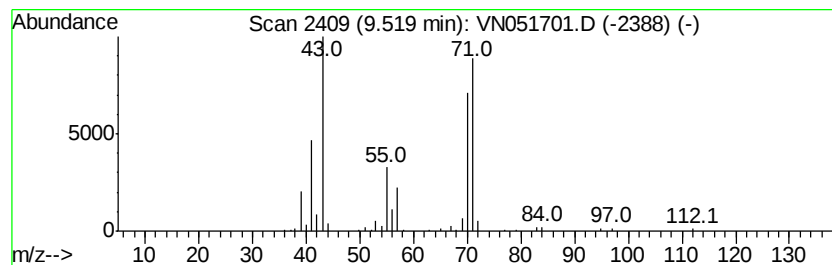
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 2,4,4-Trimethyl-1-hexene Concentration Rank 7

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 9.52 | 8.08 ug/l | 311246 | 1,4-Difluorobenzene | 8.59 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | 2,4,4-Trimethyl-1-hexene  | 126 | C9H18   | 051174-12-0 | 78   |
| 2    |    |   | Heptane, 4-methyl-        | 114 | C8H18   | 000589-53-7 | 78   |
| 3    |    |   | Hexane, 3,3,4-trimethyl-  | 128 | C9H20   | 016747-31-2 | 74   |
| 4    |    |   | Pentane, 2,3,4-trimethyl- | 114 | C8H18   | 000565-75-3 | 72   |
| 5    |    |   | Decane, 3,3,4-trimethyl-  | 184 | C13H28  | 049622-18-6 | 64   |



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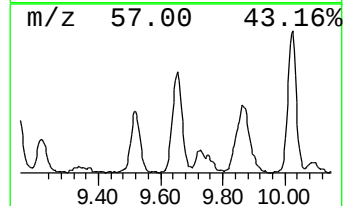
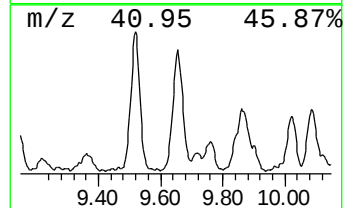
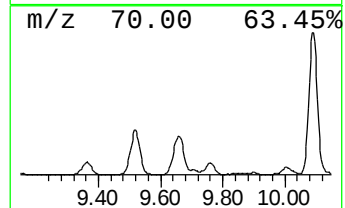
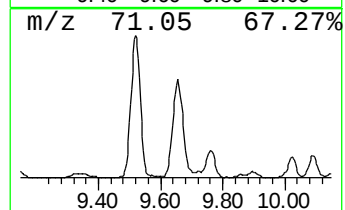
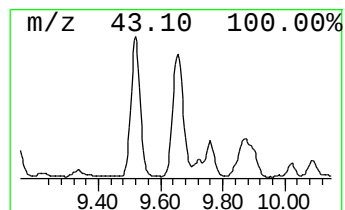
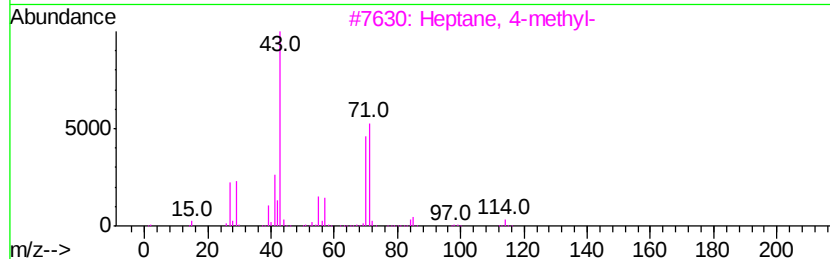
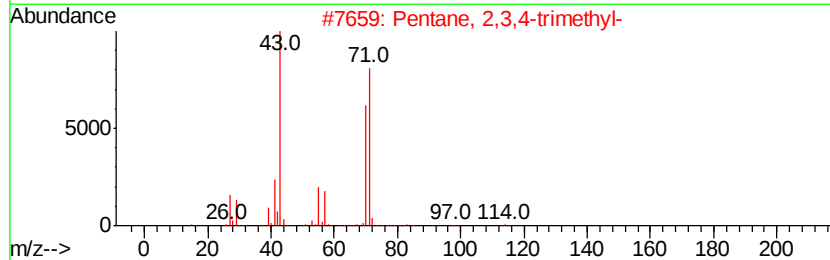
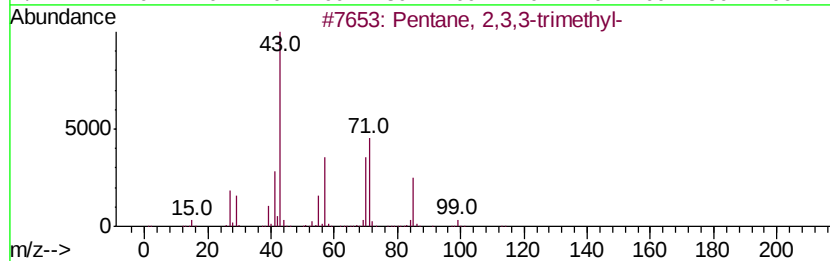
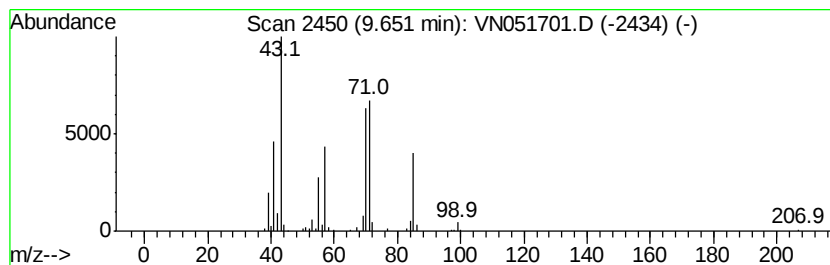
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Quant Title : SW846 8260

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

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Peak Number 3 Pentane, 2,3,3-trimethyl- Concentration Rank 6

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 9.65 | 8.35 ug/l | 321739 | 1,4-Difluorobenzene | 8.59 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane, 2,3,3-trimethyl- | 114 | C8H18   | 000560-21-4 | 83   |
| 2    |    | Pentane, 2,3,4-trimethyl- | 114 | C8H18   | 000565-75-3 | 72   |
| 3    |    | Heptane, 4-methyl-        | 114 | C8H18   | 000589-53-7 | 72   |
| 4    |    | Heptane, 3,3,4-trimethyl- | 142 | C10H22  | 020278-87-9 | 64   |
| 5    |    | Hexane, 3-methyl-         | 100 | C7H16   | 000589-34-4 | 64   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100618\  
Data File : VN051701.D  
Acq On : 5 Oct 2018 21:35  
Operator : MD\SY  
Sample : J5084-13  
Misc : 5.76g/5.00mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 31 Sample Multiplier: 28

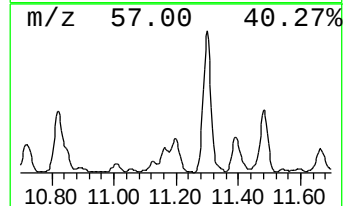
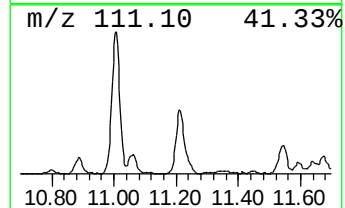
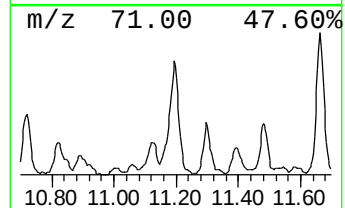
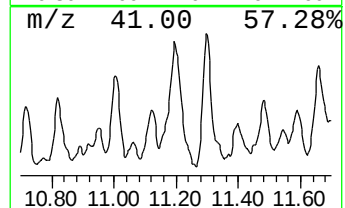
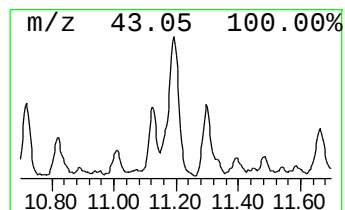
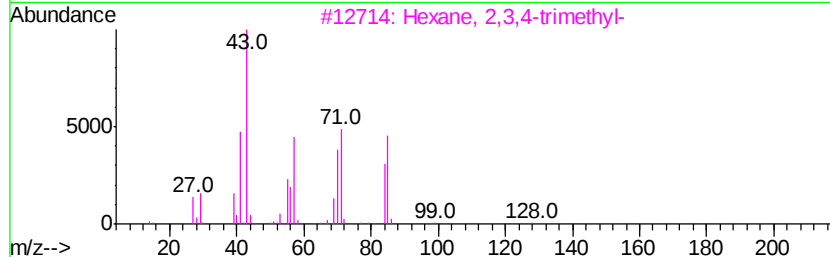
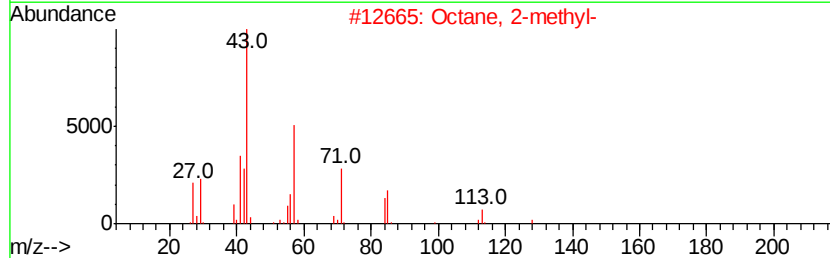
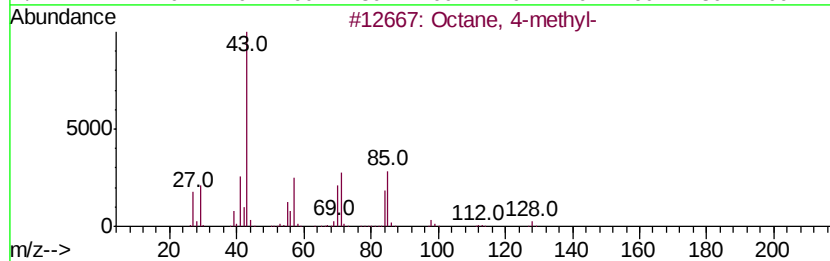
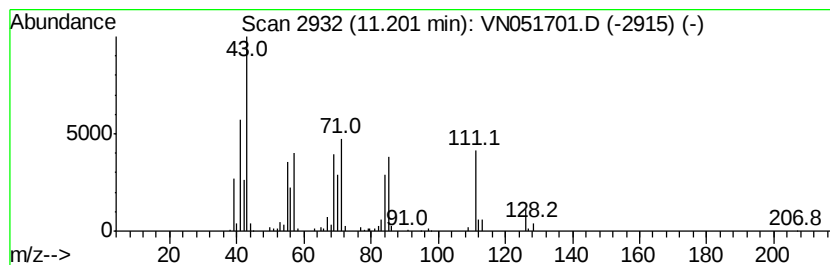
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MSVOA\_N  
ClientSampleId :  
B-11(12-12.5)

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 4 Octane, 4-methyl- Concentration Rank 4

| R.T.    | EstConc                  | Area         | Relative to ISTD | R.T.      |
|---------|--------------------------|--------------|------------------|-----------|
| 11.20   | 9.28 ug/l                | 444912       | Chlorobenzene-d5 | 11.41     |
| Hit# of | 5                        | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Octane, 4-methyl-        | 128 C9H20    | 002216-34-4      | 64        |
| 2       | Octane, 2-methyl-        | 128 C9H20    | 003221-61-2      | 59        |
| 3       | Hexane, 2,3,4-trimethyl- | 128 C9H20    | 000921-47-1      | 58        |
| 4       | Hexane, 3-ethyl-         | 114 C8H18    | 000619-99-8      | 43        |
| 5       | Hexane, 2,3,5-trimethyl- | 128 C9H20    | 001069-53-0      | 43        |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN100618\  
Data File : VN051701.D  
Acq On : 5 Oct 2018 21:35  
Operator : MD\SY  
Sample : J5084-13  
Misc : 5.76g/5.00mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 31 Sample Multiplier: 28

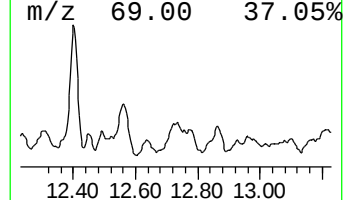
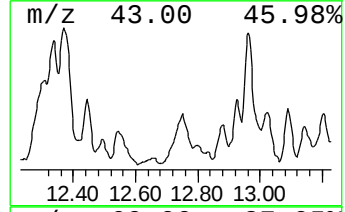
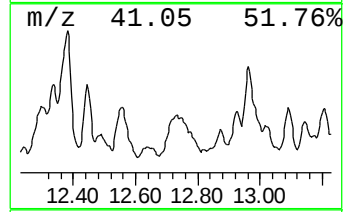
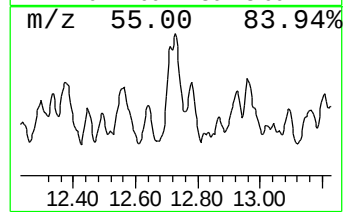
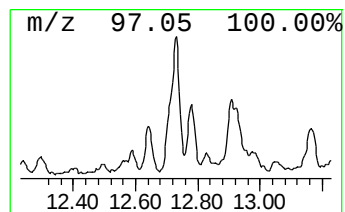
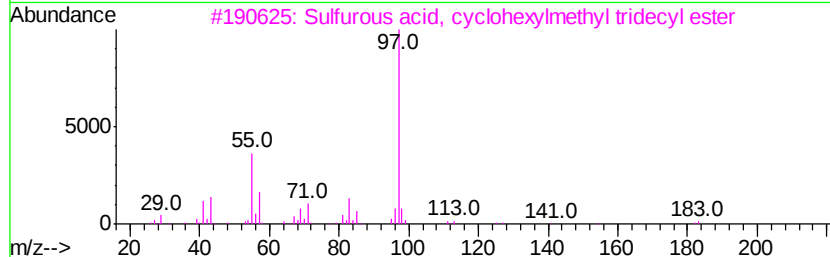
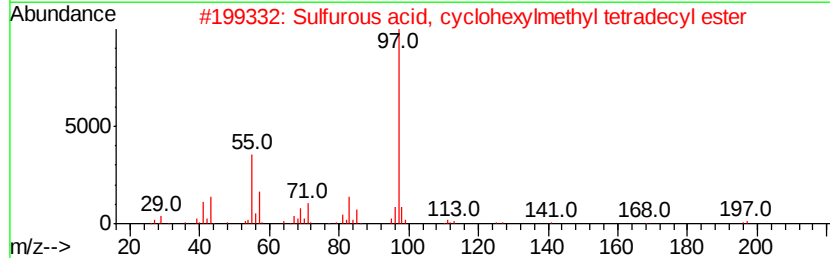
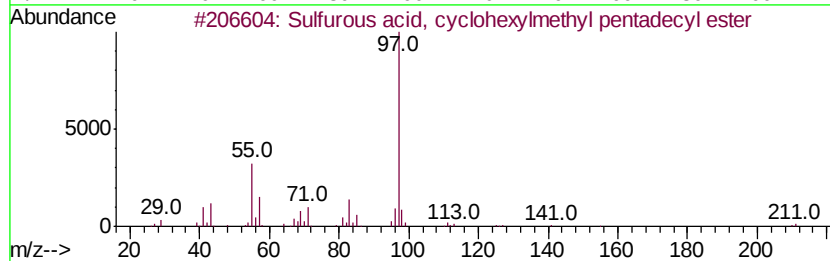
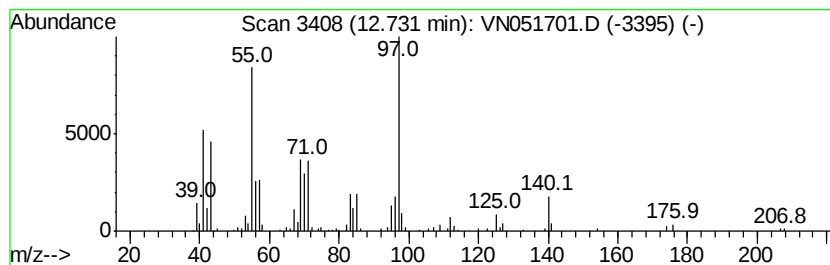
Instrument :  
MSVOA\_N  
ClientSampleId :  
B-11(12-12.5)

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 5 Sulfurous acid, cyclohexylm... Concentration Rank 8

| R.T.    | EstConc   | Area                                | Relative to ISTD       | R.T.            |
|---------|-----------|-------------------------------------|------------------------|-----------------|
| 12.73   | 7.04 ug/l | 331287                              | 1,4-Dichlorobenzene-d4 | 13.35           |
| Hit# of | 5         | Tentative ID                        | MW MolForm             | CAS# Qual       |
| 1       |           | Sulfurous acid, cvclohexylmethvl... | 388 C22H44O3S          | 1000309-22-3 53 |
| 2       |           | Sulfurous acid, cvclohexylmethvl... | 374 C21H42O3S          | 1000309-22-2 53 |
| 3       |           | Sulfurous acid, cvclohexylmethvl... | 360 C20H40O3S          | 1000309-22-1 53 |
| 4       |           | Cyclohexane, 1,1-dimethyl-          | 112 C8H16              | 000590-66-9 49  |
| 5       |           | Cyclohexene, 1-(1,1-dimethyletho... | 168 C11H20O            | 040648-24-6 47  |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN100618\  
Data File : VN051701.D  
Acq On : 5 Oct 2018 21:35  
Operator : MD\SY  
Sample : J5084-13  
Misc : 5.76µ/5.00mL/100µL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 31 Sample Multiplier: 28

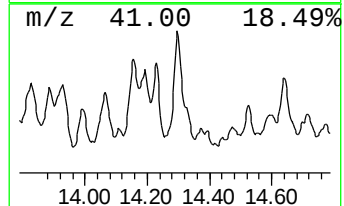
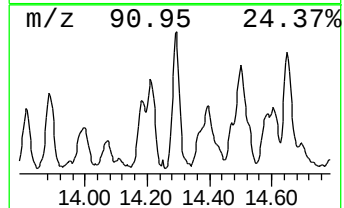
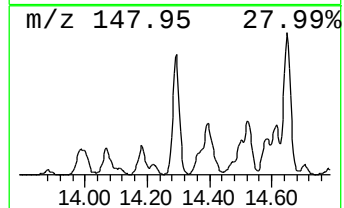
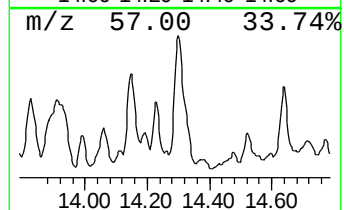
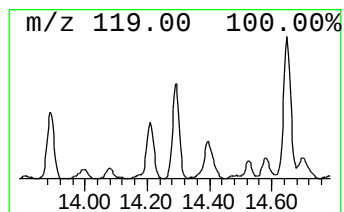
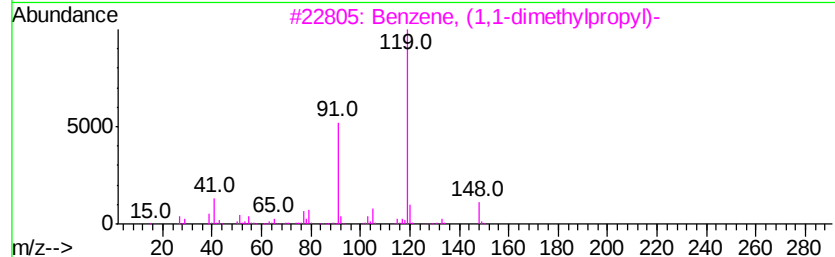
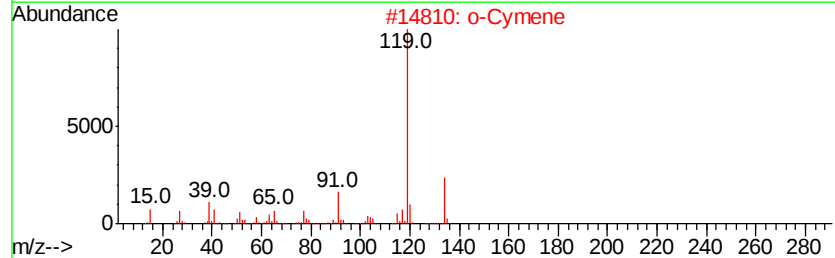
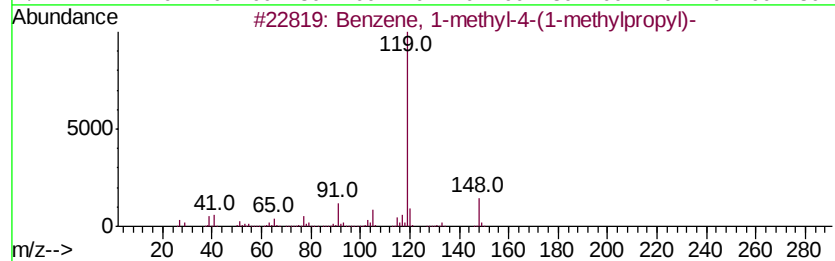
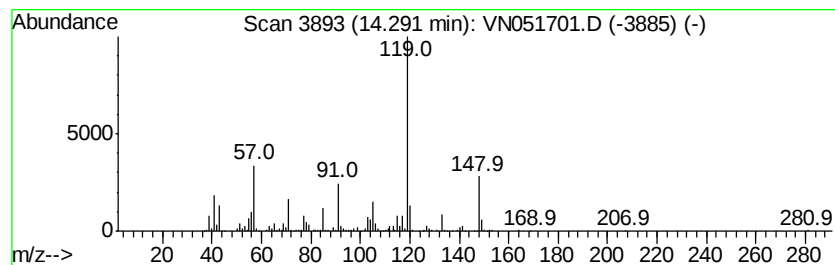
Instrument :  
MSVOA\_N  
ClientSampleId :  
B-11(12-12.5)

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 6 Benzene, 1-methyl-4-(1-methylpro... Concentration Rank 1

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.      |
|---------|-------------------------------------|--------------|------------------------|-----------|
| 14.29   | 13.53 ug/l                          | 636714       | 1,4-Dichlorobenzene-d4 | 13.35     |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Benzene, 1-methyl-4-(1-methylpro... | 148 C11H16   | 001595-16-0            | 76        |
| 2       | o-Cymene                            | 134 C10H14   | 000527-84-4            | 55        |
| 3       | Benzene, (1,1-dimethylpropyl)-      | 148 C11H16   | 002049-95-8            | 53        |
| 4       | Benzene, 1-ethyl-2,3-dimethyl-      | 134 C10H14   | 000933-98-2            | 50        |
| 5       | Benzene, 4-ethyl-1,2-dimethyl-      | 134 C10H14   | 000934-80-5            | 49        |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN100618\  
Data File : VN051701.D  
Acq On : 5 Oct 2018 21:35  
Operator : MD\SY  
Sample : J5084-13  
Misc : 5.76g/5.00mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 31 Sample Multiplier: 28

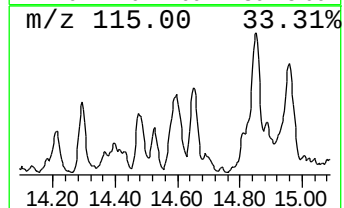
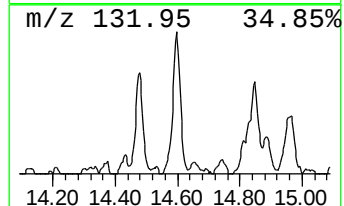
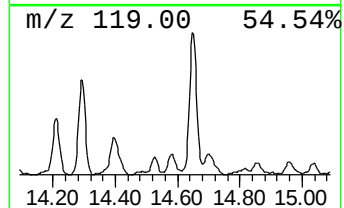
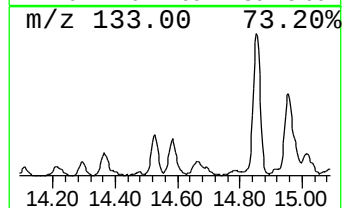
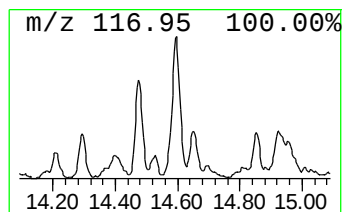
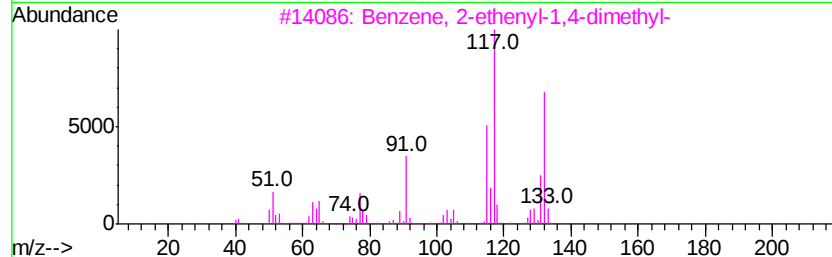
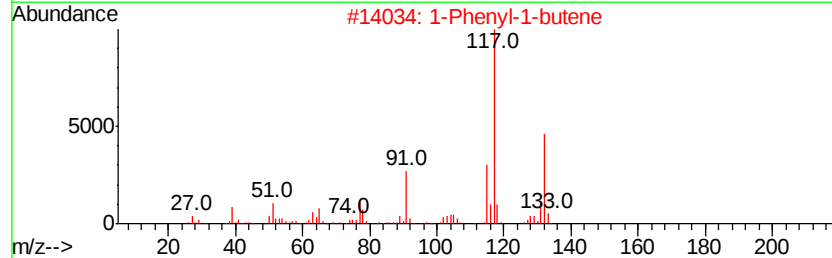
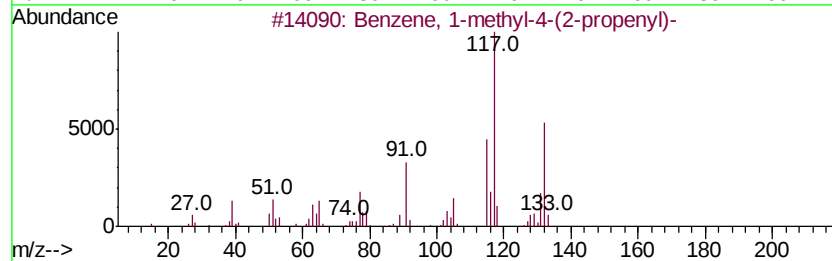
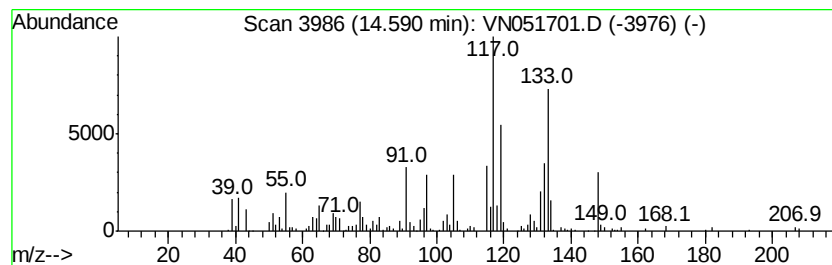
Instrument :  
MSVOA\_N  
ClientSampled :  
B-11(12-12.5)

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 7 Benzene, 1-methyl-4-(2-prop... Concentration Rank 5

| R.T.      | EstConc                              | Area   | Relative to ISTD       | R.T.        |      |
|-----------|--------------------------------------|--------|------------------------|-------------|------|
| 14.59     | 8.94 ug/l                            | 420834 | 1,4-Dichlorobenzene-d4 | 13.35       |      |
| Hit# of 5 | Tentative ID                         | MW     | MolForm                | CAS#        | Qual |
| 1         | Benzene, 1-methyl-4-(2-propenyl)-    | 132    | C10H12                 | 003333-13-9 | 89   |
| 2         | 1-Phenyl-1-butene                    | 132    | C10H12                 | 000824-90-8 | 86   |
| 3         | Benzene, 2-ethenyl-1,4-dimethyl-     | 132    | C10H12                 | 002039-89-6 | 80   |
| 4         | Benzene, 1-ethenyl-3-ethyl-          | 132    | C10H12                 | 007525-62-4 | 50   |
| 5         | Benzene, (1-methyl-1-propenyl)-, ... | 132    | C10H12                 | 000768-00-3 | 50   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN100618\  
Data File : VN051701.D  
Acq On : 5 Oct 2018 21:35  
Operator : MD\SY  
Sample : J5084-13  
Misc : 5.76µ/5.00mL/100µL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 31 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
B-11(12-12.5)

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

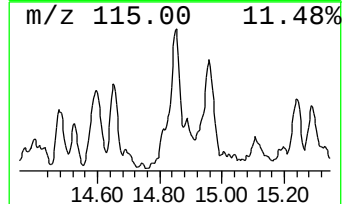
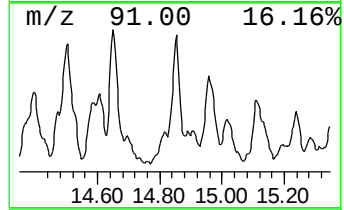
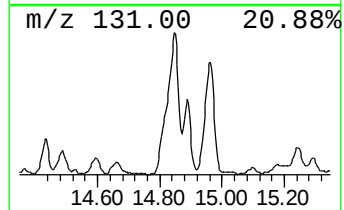
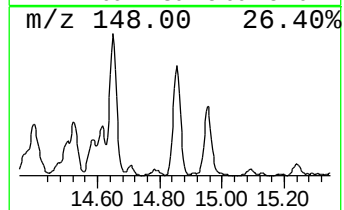
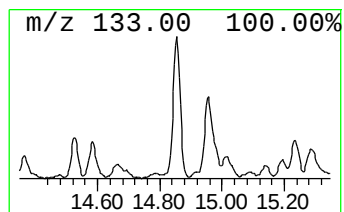
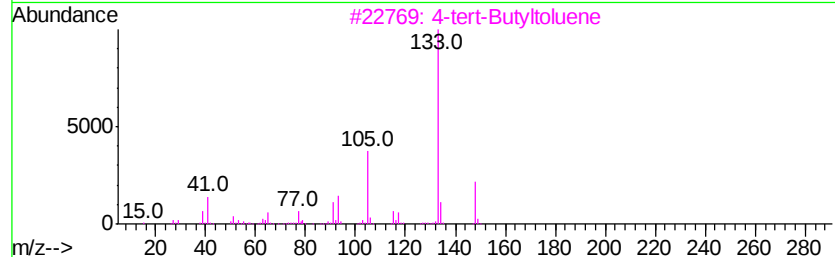
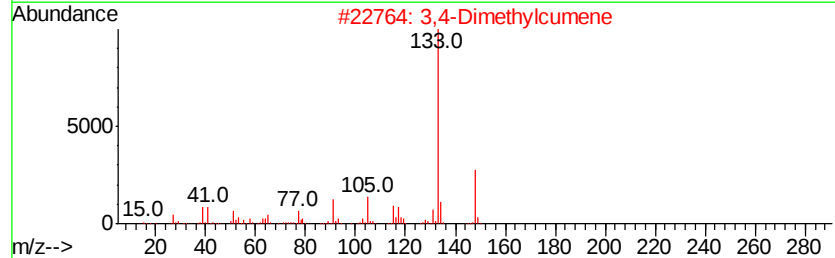
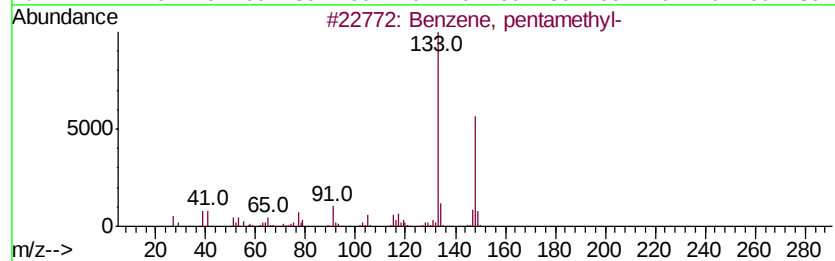
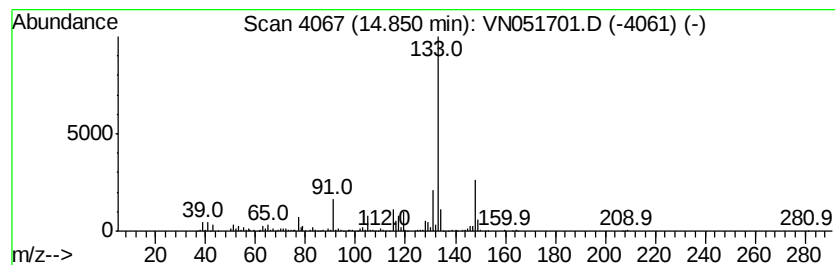
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Benzene, pentamethyl- Concentration Rank 9

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 14.85 | 6.97 ug/l | 328027 | 1,4-Dichlorobenzene-d4 | 13.35 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9  | 83   |
| 2    |    | 3,4-Dimethylcumene                  | 148 | C11H16  | 1000370-34-1 | 83   |
| 3    |    | 4-tert-Butyltoluene                 | 148 | C11H16  | 000098-51-1  | 81   |
| 4    |    | 2-tert-Butyltoluene                 | 148 | C11H16  | 001074-92-6  | 81   |
| 5    |    | Benzene, 1-(1,1-dimethylethyl)-3... | 148 | C11H16  | 001075-38-3  | 81   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100618\  
Data File : VN051701.D  
Acq On : 5 Oct 2018 21:35  
Operator : MD\SY  
Sample : J5084-13  
Misc : 5.76µ/5.00mL/100µL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 31 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
B-11(12-12.5)

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

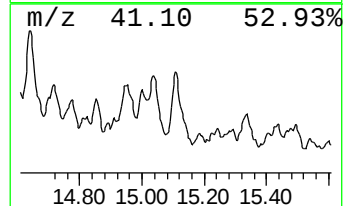
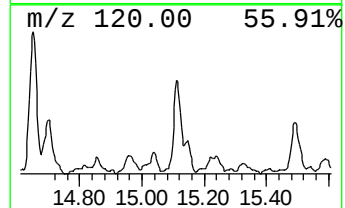
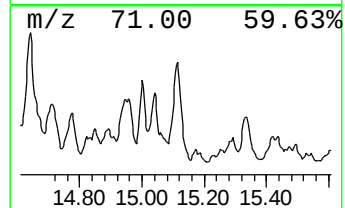
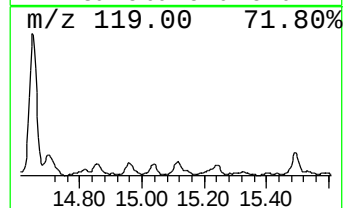
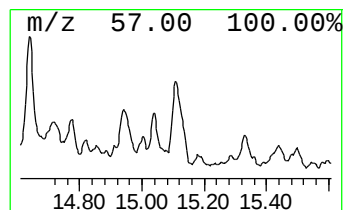
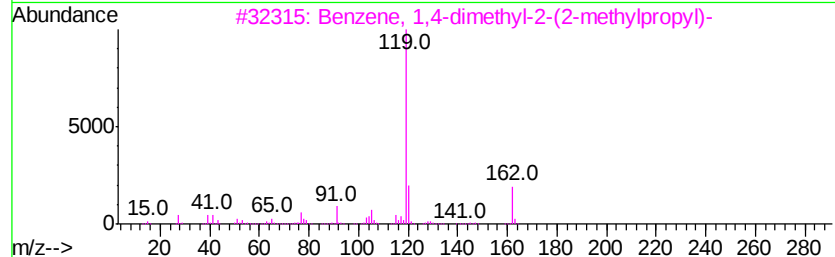
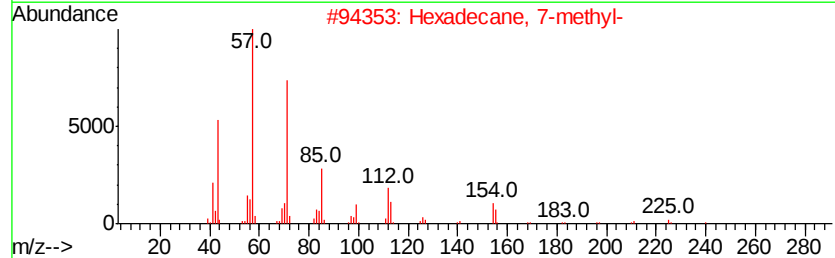
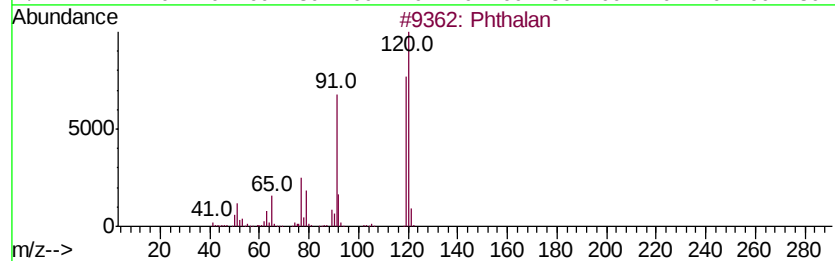
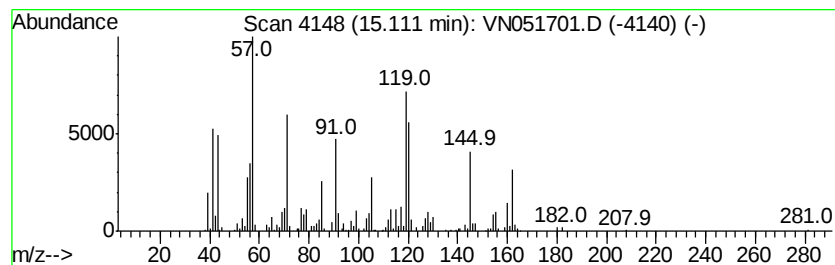
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 unknown15.11 Concentration Rank 10

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 15.11 | 6.79 ug/l | 319492 | 1,4-Dichlorobenzene-d4 | 13.35 |

| Hit# | of | 5 | Tentative ID                              | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phthalan                                  | 120 | C8H8O   | 000496-14-0 | 20   |
| 2    |    |   | Hexadecane, 7-methyl-                     | 240 | C17H36  | 026730-20-1 | 18   |
| 3    |    |   | Benzene, 1,4-dimethyl-2-(2-methylpropyl)- | 162 | C12H18  | 055669-88-0 | 18   |
| 4    |    |   | 1,5-Dimethyl-2-pyrrolicarbonitrile        | 120 | C7H8N2  | 056341-36-7 | 18   |
| 5    |    |   | 1H-Pyrrole-2-acetonitrile, 1-methyl-      | 120 | C7H8N2  | 024437-41-0 | 18   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN100618\  
Data File : VN051701.D  
Acq On : 5 Oct 2018 21:35  
Operator : MD\SY  
Sample : J5084-13  
Misc : 5.76g/5.00mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 31 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
B-11(12-12.5)

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 |
| Butane, 2,2,3,3-t... | 8.21  | 11.1    | ug/l  | 429032   | 2                     | 8.59  | 1926080 | 50.0 |
| 2,4,4-Trimethyl-1... | 9.52  | 8.1     | ug/l  | 311246   | 2                     | 8.59  | 1926080 | 50.0 |
| Pentane, 2,3,3-tr... | 9.65  | 8.3     | ug/l  | 321739   | 2                     | 8.59  | 1926080 | 50.0 |
| Octane, 4-methyl-    | 11.20 | 9.3     | ug/l  | 444912   | 3                     | 11.41 | 2396460 | 50.0 |
| Sulfurous acid, c... | 12.73 | 7.0     | ug/l  | 331287   | 4                     | 13.35 | 2352360 | 50.0 |
| Benzene, 1-methyl... | 14.29 | 13.5    | ug/l  | 636714   | 4                     | 13.35 | 2352360 | 50.0 |
| Benzene, 1-methyl... | 14.59 | 8.9     | ug/l  | 420834   | 4                     | 13.35 | 2352360 | 50.0 |
| Benzene, pentamet... | 14.85 | 7.0     | ug/l  | 328027   | 4                     | 13.35 | 2352360 | 50.0 |
| unknown15.11         | 15.11 | 6.8     | ug/l  | 319492   | 4                     | 13.35 | 2352360 | 50.0 |