

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_F\DATA\VF111418\  
 Data File : VF060733.D  
 Acq On : 14 Nov 2018 19:24  
 Operator : VA/AP  
 Sample : J5925-13  
 Misc : 13.44g/5mL/MSVOA-F/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 TP-6S1

## 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\_F\METHODS\82F111318S.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         | 1.096       | 42            | 47          | 56           | rVB3     | 16985          | 72403         | 8.70%           | 0.785%        |
| 2         | 1.411       | 77            | 79          | 87           | rVV4     | 8415           | 24453         | 2.94%           | 0.265%        |
| 3         | 1.993       | 132           | 138         | 142          | rBV6     | 6724           | 21952         | 2.64%           | 0.238%        |
| 4         | 2.171       | 151           | 156         | 157          | rBV3     | 17904          | 33322         | 4.01%           | 0.361%        |
| 5         | 2.220       | 157           | 161         | 169          | rVB      | 30705          | 87046         | 10.46%          | 0.944%        |
| 6         | 2.368       | 174           | 176         | 180          | rVB4     | 8181           | 15045         | 1.81%           | 0.163%        |
| 7         | 2.654       | 202           | 205         | 210          | rBV5     | 2705           | 10406         | 1.25%           | 0.113%        |
| 8         | 3.690       | 302           | 310         | 311          | rBV6     | 4088           | 13652         | 1.64%           | 0.148%        |
| 9         | 3.720       | 311           | 313         | 318          | rVB3     | 5258           | 13082         | 1.57%           | 0.142%        |
| 10        | 3.838       | 320           | 325         | 331          | rBV4     | 10057          | 26976         | 3.24%           | 0.292%        |
| 11        | 3.986       | 335           | 340         | 344          | rBV5     | 5527           | 17761         | 2.13%           | 0.193%        |
| 12        | 4.095       | 344           | 351         | 359          | rVB2     | 77534          | 251548        | 30.24%          | 2.727%        |
| 13        | 4.312       | 368           | 373         | 383          | rVB3     | 7172           | 28541         | 3.43%           | 0.309%        |
| 14        | 4.607       | 397           | 403         | 415          | rBV      | 127310         | 397072        | 47.73%          | 4.304%        |
| 15        | 4.844       | 418           | 427         | 437          | rBV2     | 181530         | 650802        | 78.22%          | 7.055%        |
| 16        | 5.387       | 481           | 482         | 485          | rBV      | 22547          | 24087         | 2.90%           | 0.261%        |
| 17        | 5.426       | 485           | 486         | 494          | rVB3     | 24272          | 41352         | 4.97%           | 0.448%        |
| 18        | 5.574       | 494           | 501         | 510          | rBV      | 201105         | 560673        | 67.39%          | 6.078%        |
| 19        | 6.571       | 597           | 602         | 604          | rBV3     | 4994           | 12000         | 1.44%           | 0.130%        |
| 20        | 6.600       | 604           | 605         | 613          | rVB6     | 2970           | 8652          | 1.04%           | 0.094%        |
| 21        | 6.797       | 621           | 625         | 627          | rBV3     | 5034           | 11614         | 1.40%           | 0.126%        |
| 22        | 6.995       | 640           | 645         | 650          | rBV6     | 7196           | 19488         | 2.34%           | 0.211%        |
| 23        | 7.458       | 688           | 692         | 695          | rBV3     | 9973           | 23722         | 2.85%           | 0.257%        |
| 24        | 7.527       | 695           | 699         | 704          | rVV      | 237877         | 578800        | 69.57%          | 6.274%        |
| 25        | 7.596       | 704           | 706         | 714          | rVB      | 33349          | 81276         | 9.77%           | 0.881%        |
| 26        | 8.208       | 764           | 768         | 770          | rBV4     | 3119           | 8504          | 1.02%           | 0.092%        |
| 27        | 8.435       | 786           | 791         | 795          | rBV5     | 9005           | 23516         | 2.83%           | 0.255%        |
| 28        | 8.603       | 804           | 808         | 811          | rBV5     | 4030           | 10438         | 1.25%           | 0.113%        |
| 29        | 8.938       | 837           | 842         | 848          | rBV5     | 5279           | 14977         | 1.80%           | 0.162%        |
| 30        | 9.096       | 853           | 858         | 863          | rVB4     | 7119           | 20950         | 2.52%           | 0.227%        |
| 31        | 9.263       | 871           | 875         | 879          | rBV3     | 6722           | 17048         | 2.05%           | 0.185%        |
| 32        | 9.757       | 919           | 925         | 933          | rBV      | 281524         | 643017        | 77.29%          | 6.970%        |
| 33        | 9.875       | 933           | 937         | 942          | rVB2     | 45835          | 100912        | 12.13%          | 1.094%        |
| 34        | 10.112      | 956           | 961         | 965          | rVB      | 54634          | 110176        | 13.24%          | 1.194%        |

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
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Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F111318S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 10.220 | 967  | 972  | 977  | rBV8 | 5585   | 18055  | 2.17%  | 0.196% |
| 36 | 10.496 | 994  | 1000 | 1004 | rBV5 | 6896   | 20189  | 2.43%  | 0.219% |
| 37 | 10.694 | 1016 | 1020 | 1025 | rVB  | 121979 | 232438 | 27.94% | 2.520% |
| 38 | 10.832 | 1029 | 1034 | 1039 | rVB7 | 5779   | 12642  | 1.52%  | 0.137% |
| 39 | 11.029 | 1051 | 1054 | 1058 | rBV5 | 5706   | 14768  | 1.78%  | 0.160% |
| 40 | 11.108 | 1058 | 1062 | 1064 | rVV2 | 17950  | 32440  | 3.90%  | 0.352% |
| 41 | 11.148 | 1064 | 1066 | 1068 | rVV3 | 11564  | 19602  | 2.36%  | 0.212% |
| 42 | 11.197 | 1069 | 1071 | 1074 | rVV4 | 10863  | 22288  | 2.68%  | 0.242% |
| 43 | 11.256 | 1074 | 1077 | 1079 | rVV3 | 10649  | 20400  | 2.45%  | 0.221% |
| 44 | 11.295 | 1079 | 1081 | 1085 | rVB2 | 11664  | 18326  | 2.20%  | 0.199% |
| 45 | 11.394 | 1087 | 1091 | 1098 | rVV  | 242879 | 416731 | 50.09% | 4.517% |
| 46 | 11.483 | 1098 | 1100 | 1103 | rVV3 | 10461  | 18966  | 2.28%  | 0.206% |
| 47 | 11.572 | 1103 | 1109 | 1113 | rVV6 | 20198  | 68074  | 8.18%  | 0.738% |
| 48 | 11.641 | 1113 | 1116 | 1119 | rVV3 | 16247  | 30668  | 3.69%  | 0.332% |
| 49 | 11.700 | 1119 | 1122 | 1126 | rVV  | 29422  | 59493  | 7.15%  | 0.645% |
| 50 | 11.808 | 1130 | 1133 | 1136 | rBV  | 34312  | 49246  | 5.92%  | 0.534% |
| 51 | 11.937 | 1141 | 1146 | 1148 | rBV6 | 4861   | 12615  | 1.52%  | 0.137% |
| 52 | 12.006 | 1148 | 1153 | 1156 | rVV  | 42123  | 69963  | 8.41%  | 0.758% |
| 53 | 12.144 | 1165 | 1167 | 1169 | rBV2 | 8889   | 15261  | 1.83%  | 0.165% |
| 54 | 12.193 | 1169 | 1172 | 1176 | rVV  | 187556 | 272789 | 32.79% | 2.957% |
| 55 | 12.302 | 1178 | 1183 | 1187 | rVB5 | 8909   | 26027  | 3.13%  | 0.282% |
| 56 | 12.450 | 1196 | 1198 | 1203 | rVB3 | 8652   | 11411  | 1.37%  | 0.124% |
| 57 | 12.538 | 1203 | 1207 | 1210 | rBV  | 410618 | 636751 | 76.54% | 6.903% |
| 58 | 12.598 | 1210 | 1213 | 1218 | rVB  | 110182 | 166657 | 20.03% | 1.807% |
| 59 | 12.706 | 1220 | 1224 | 1231 | rVV  | 397435 | 566260 | 68.06% | 6.138% |
| 60 | 12.815 | 1231 | 1235 | 1240 | rVB4 | 18765  | 46666  | 5.61%  | 0.506% |
| 61 | 12.992 | 1248 | 1253 | 1257 | rBV  | 44341  | 66768  | 8.03%  | 0.724% |
| 62 | 13.061 | 1257 | 1260 | 1265 | rVV3 | 19254  | 42783  | 5.14%  | 0.464% |
| 63 | 13.140 | 1265 | 1268 | 1270 | rVV  | 38815  | 60167  | 7.23%  | 0.652% |
| 64 | 13.219 | 1273 | 1276 | 1279 | rVV  | 47593  | 78875  | 9.48%  | 0.855% |
| 65 | 13.268 | 1279 | 1281 | 1283 | rVV3 | 7951   | 10472  | 1.26%  | 0.114% |
| 66 | 13.318 | 1283 | 1286 | 1289 | rVV3 | 11974  | 18172  | 2.18%  | 0.197% |
| 67 | 13.406 | 1293 | 1295 | 1299 | rVB2 | 11665  | 18175  | 2.18%  | 0.197% |
| 68 | 13.485 | 1300 | 1303 | 1305 | rBV  | 38357  | 54138  | 6.51%  | 0.587% |
| 69 | 13.525 | 1305 | 1307 | 1310 | rVV  | 78603  | 109182 | 13.12% | 1.184% |
| 70 | 13.564 | 1310 | 1311 | 1314 | rVB3 | 10358  | 11386  | 1.37%  | 0.123% |
| 71 | 13.653 | 1314 | 1320 | 1322 | rBV2 | 29570  | 71890  | 8.64%  | 0.779% |

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TP-6S1

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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\_F\METHODS\82F111318S.M  
Title : SW846 8260

|    |        |      |      |      |      |        |        |         |        |
|----|--------|------|------|------|------|--------|--------|---------|--------|
| 72 | 13.693 | 1322 | 1324 | 1332 | rVV  | 82515  | 121777 | 14.64%  | 1.320% |
| 73 | 13.840 | 1336 | 1339 | 1344 | rVV2 | 177173 | 299817 | 36.04%  | 3.250% |
| 74 | 13.959 | 1347 | 1351 | 1354 | rVB3 | 17996  | 28067  | 3.37%   | 0.304% |
| 75 | 14.067 | 1356 | 1362 | 1365 | rBV2 | 20374  | 45661  | 5.49%   | 0.495% |
| 76 | 14.146 | 1365 | 1370 | 1372 | rVV4 | 16930  | 51492  | 6.19%   | 0.558% |
| 77 | 14.205 | 1372 | 1376 | 1380 | rVB3 | 21554  | 46842  | 5.63%   | 0.508% |
| 78 | 14.383 | 1392 | 1394 | 1396 | rBV  | 14909  | 24495  | 2.94%   | 0.266% |
| 79 | 14.442 | 1396 | 1400 | 1406 | rVV  | 564728 | 831966 | 100.00% | 9.019% |
| 80 | 14.521 | 1406 | 1408 | 1412 | rVV  | 24138  | 40444  | 4.86%   | 0.438% |
| 81 | 14.580 | 1412 | 1414 | 1417 | rVB  | 18675  | 24408  | 2.93%   | 0.265% |
| 82 | 14.728 | 1426 | 1429 | 1433 | rVB  | 17950  | 31236  | 3.75%   | 0.339% |
| 83 | 14.866 | 1439 | 1443 | 1446 | rVB3 | 11313  | 23224  | 2.79%   | 0.252% |
| 84 | 15.192 | 1474 | 1476 | 1479 | rVB3 | 7226   | 11109  | 1.34%   | 0.120% |
| 85 | 15.271 | 1479 | 1484 | 1489 | rBV  | 76511  | 124390 | 14.95%  | 1.348% |
| 86 | 15.389 | 1493 | 1496 | 1500 | rVB  | 76721  | 115538 | 13.89%  | 1.252% |
| 87 | 15.951 | 1548 | 1553 | 1558 | rBV6 | 2182   | 8407   | 1.01%   | 0.091% |

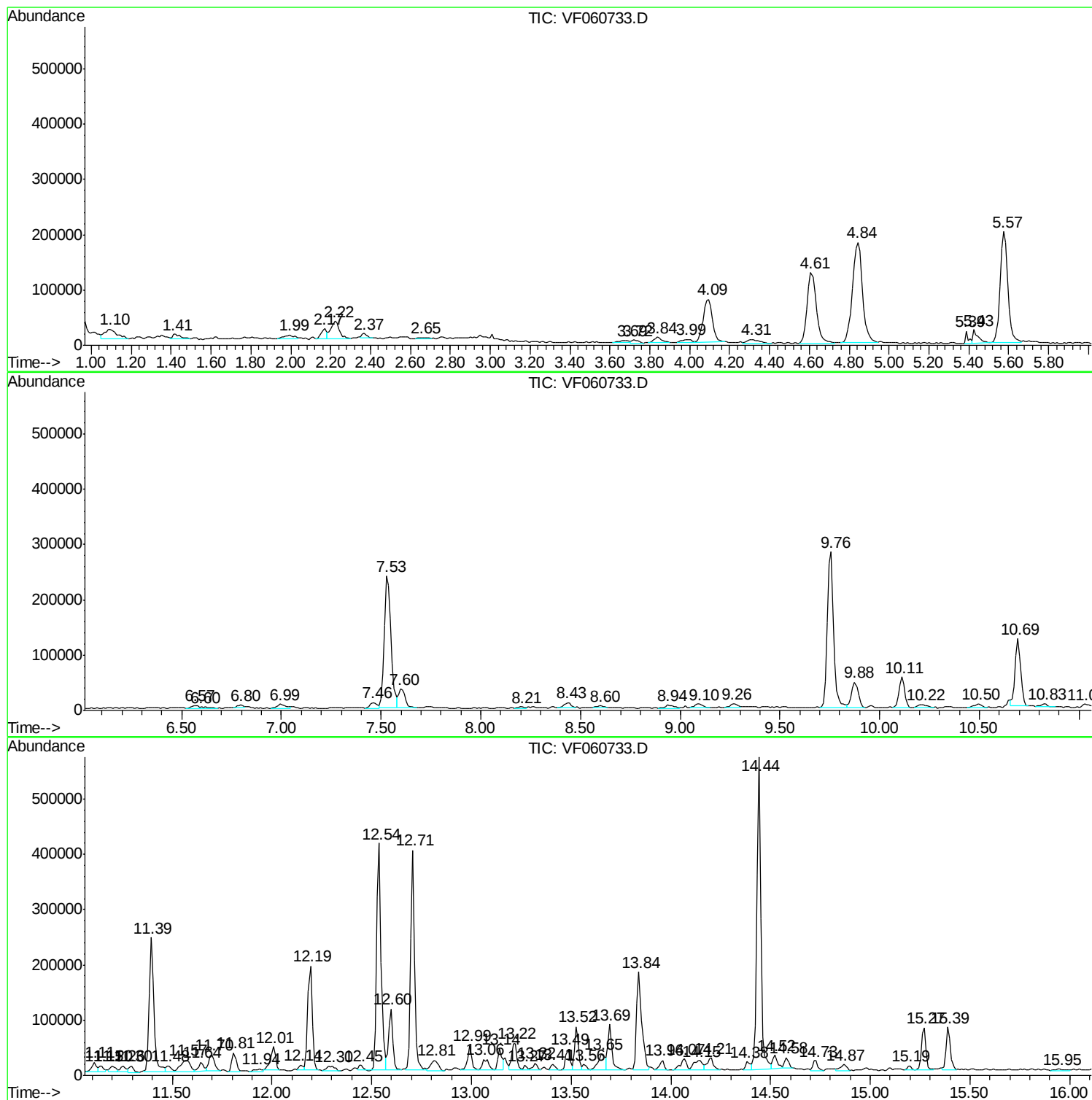
Sum of corrected areas: 9224870

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_F\DATA\VF111418\  
Data File : VF060733.D  
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Instrument :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F111318S.M  
Quant Title : SW846 8260

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



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F111318S.M  
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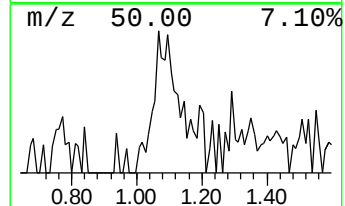
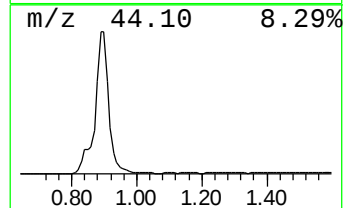
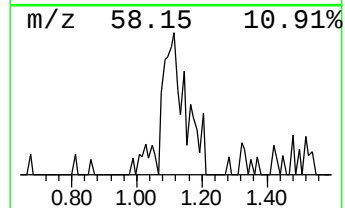
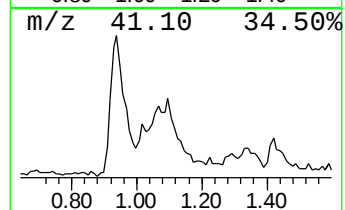
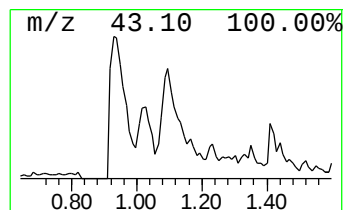
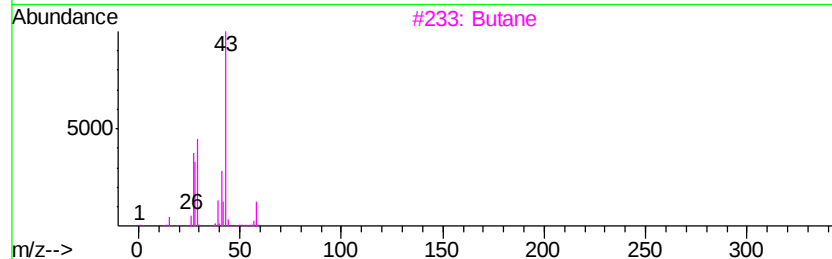
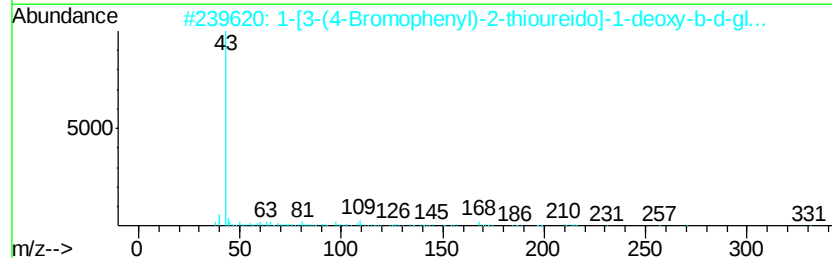
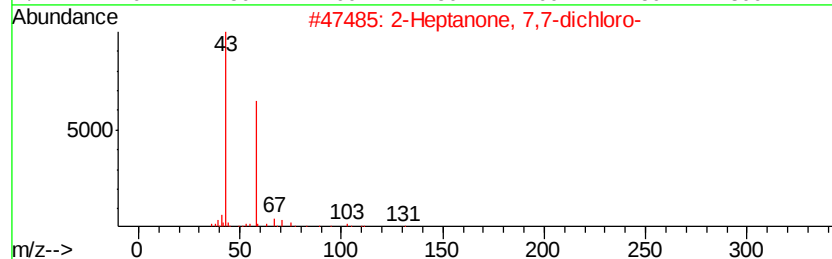
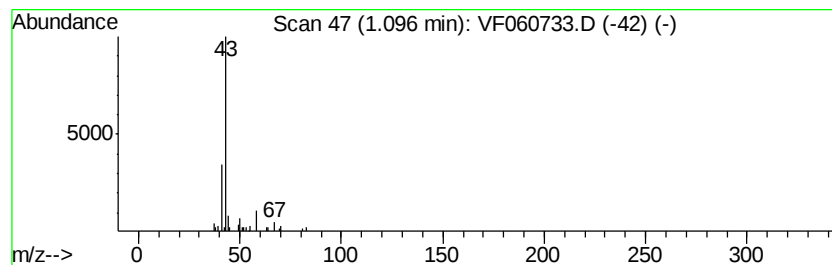
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown1.10 Concentration Rank 10

| R.T. | EstConc   | Area  | Relative to ISTD   | R.T. |
|------|-----------|-------|--------------------|------|
| 1.10 | 5.56 ug/l | 72403 | Pentafluorobenzene | 4.85 |

| Hit# | of | Tentative ID                        | MW  | MolForm       | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------------|-------------|------|
| 1    | 5  | 2-Heptanone, 7,7-dichloro-          | 182 | C7H12Cl2O     | 066241-43-8 | 12   |
| 2    |    | 1-[3-(4-Bromophenyl)-2-thioureid... | 560 | C21H25BrN2O9S | 094273-12-8 | 9    |
| 3    |    | Butane                              | 58  | C4H10         | 000106-97-8 | 4    |
| 4    |    | Formic acid, chloro-, (3,4,4-tri... | 194 | C7H11ClO4     | 107323-92-2 | 4    |
| 5    |    | Isobutane                           | 58  | C4H10         | 000075-28-5 | 4    |



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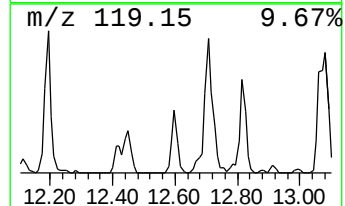
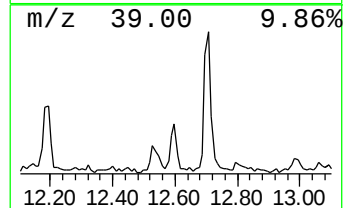
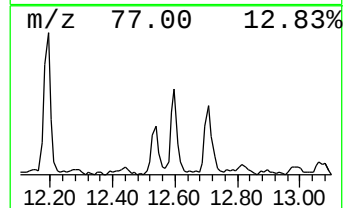
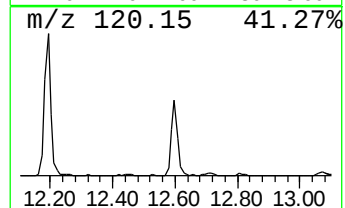
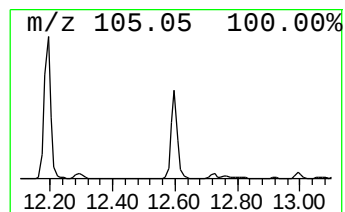
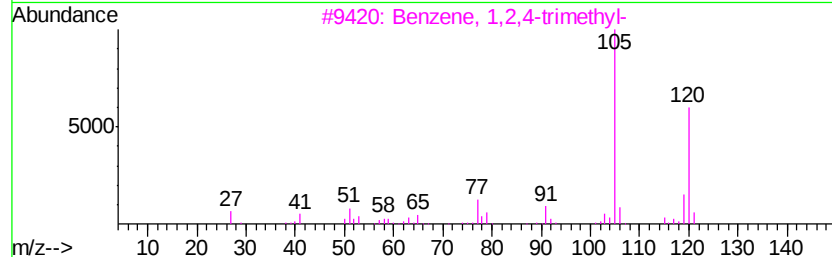
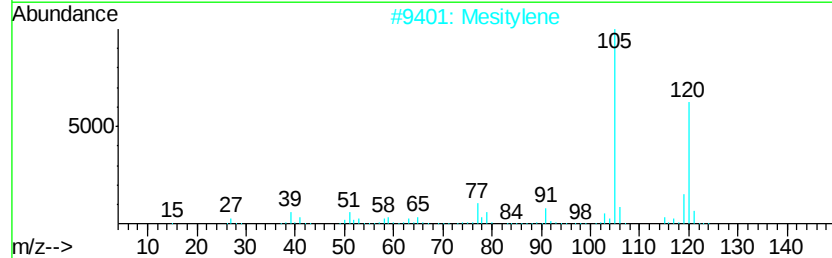
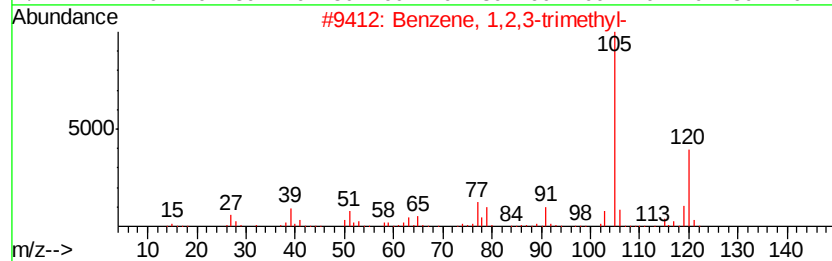
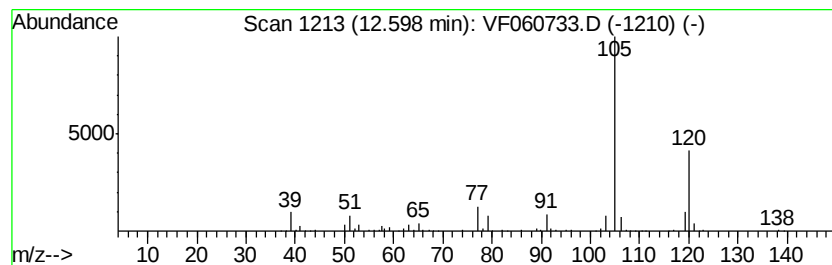
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 3

| R.T.    | EstConc    | Area                       | Relative to ISTD       | R.T.           |
|---------|------------|----------------------------|------------------------|----------------|
| 12.60   | 13.09 ug/l | 166657                     | 1,4-Dichlorobenzene-d4 | 12.54          |
| Hit# of | 5          | Tentative ID               | MW MolForm             | CAS# Qual      |
| 1       |            | Benzene, 1,2,3-trimethyl-  | 120 C9H12              | 000526-73-8 91 |
| 2       |            | Mesitylene                 | 120 C9H12              | 000108-67-8 91 |
| 3       |            | Benzene, 1,2,4-trimethyl-  | 120 C9H12              | 000095-63-6 90 |
| 4       |            | Benzene, 1-ethyl-3-methyl- | 120 C9H12              | 000620-14-4 80 |
| 5       |            | Benzene, 1-ethyl-4-methyl- | 120 C9H12              | 000622-96-8 72 |



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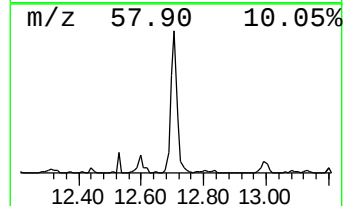
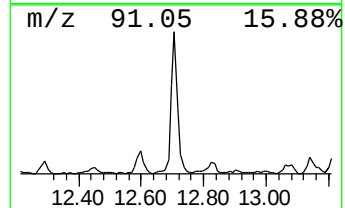
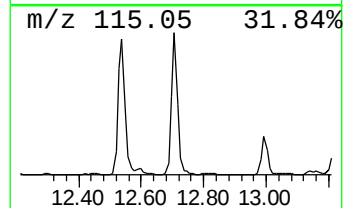
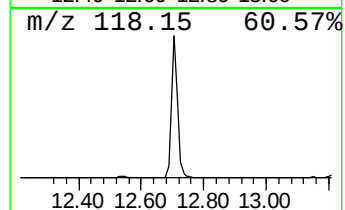
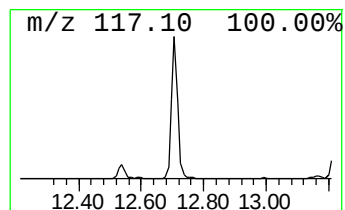
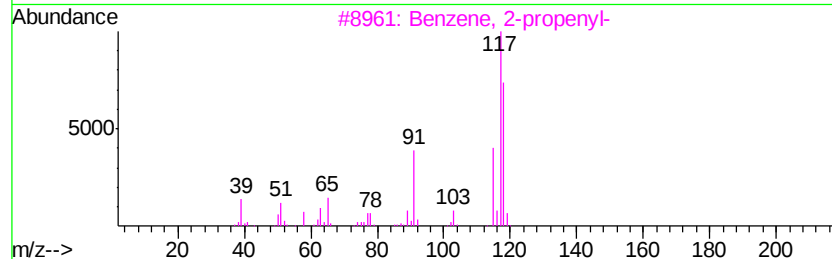
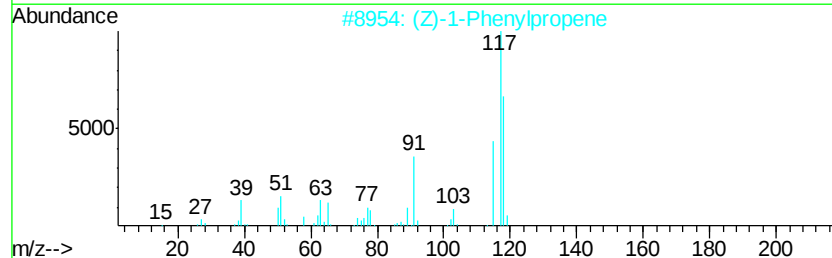
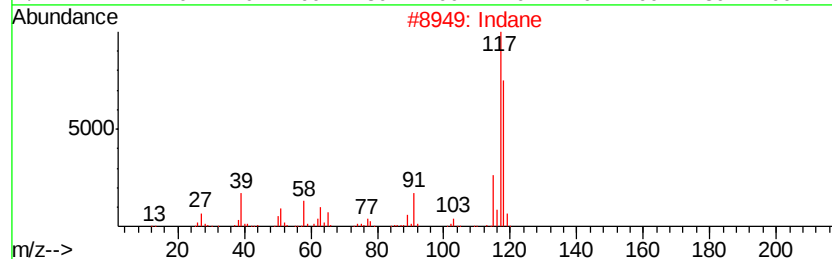
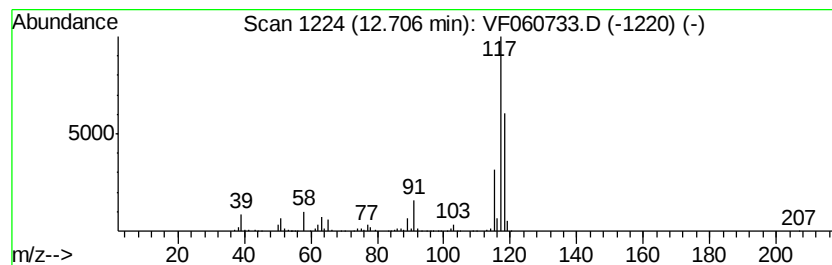
Instrument :  
MSVOA\_F  
ClientSampleId :  
TP-6S1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F111318S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Indane Concentration Rank 1

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.      |
|---------|-------------------------------------|--------------|------------------------|-----------|
| 12.71   | 44.46 ug/l                          | 566260       | 1,4-Dichlorobenzene-d4 | 12.54     |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Indane                              | 118 C9H10    | 000496-11-7            | 96        |
| 2       | (Z)-1-Phenylpropene                 | 118 C9H10    | 000766-90-5            | 72        |
| 3       | Benzene, 2-propenyl-                | 118 C9H10    | 000300-57-2            | 64        |
| 4       | Benzene, cyclopropyl-               | 118 C9H10    | 000873-49-4            | 64        |
| 5       | Tetracyclo[3.3.1.0(2,8).0(4,6)]-... | 118 C9H10    | 1000191-13-7           | 64        |



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A\_F\DATA\VF111418\  
Data File : VF060733.D  
Acq On : 14 Nov 2018 19:24  
Operator : VA/AP  
Sample : J5925-13  
Misc : 13.44g/5mL/MSV0A-F/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSV0A\_F  
ClientSampleID :  
TP-6S1

Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A\_F\METHODS\82F111318S.M  
Quant Title : SW846 8260

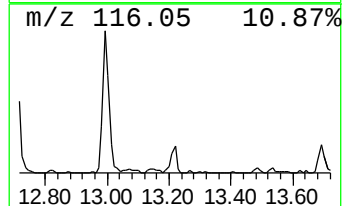
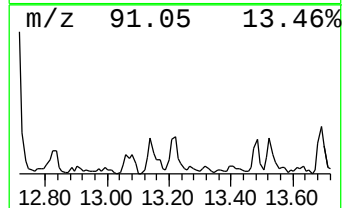
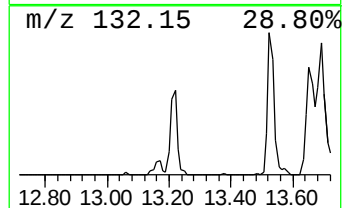
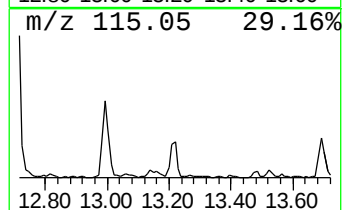
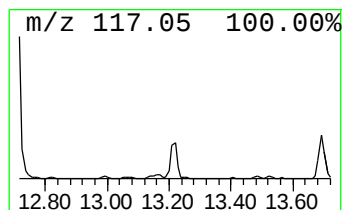
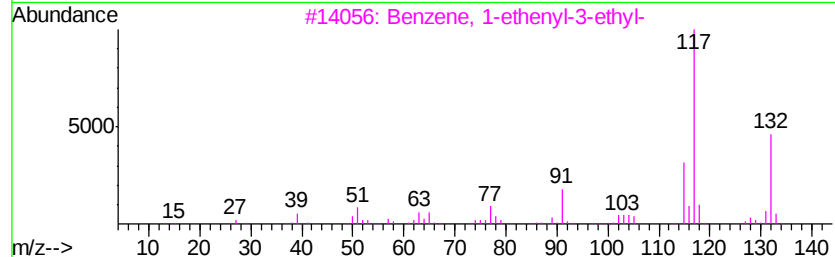
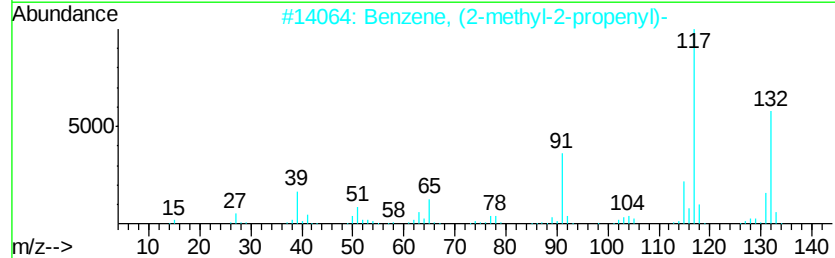
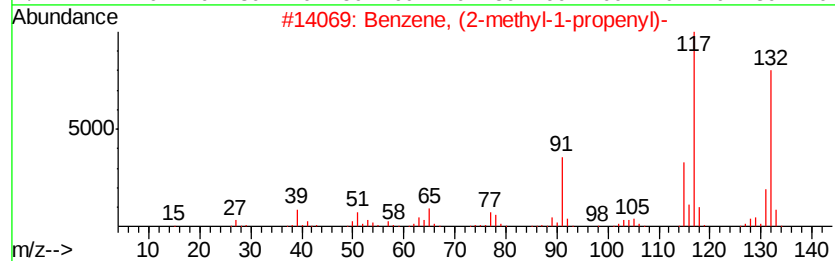
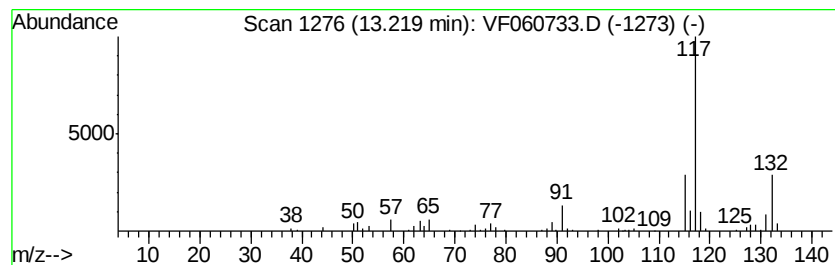
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Benzene, (2-methyl-1-propen... Concentration Rank 8

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 13.22 | 6.19 ug/l | 78875 | 1,4-Dichlorobenzene-d4 | 12.54 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, (2-methyl-1-propenyl)-  | 132 | C10H12  | 000768-49-0 | 91   |
| 2    |    | Benzene, (2-methyl-2-propenyl)-  | 132 | C10H12  | 003290-53-7 | 91   |
| 3    |    | Benzene, 1-ethenyl-3-ethyl-      | 132 | C10H12  | 007525-62-4 | 91   |
| 4    |    | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 91   |
| 5    |    | 1-Phenyl-1-butene                | 132 | C10H12  | 000824-90-8 | 90   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_F\DATA\VF111418\  
Data File : VF060733.D  
Acq On : 14 Nov 2018 19:24  
Operator : VA/AP  
Sample : J5925-13  
Misc : 13.44g/5mL/MSVOA-F/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
TP-6S1

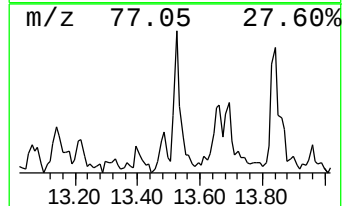
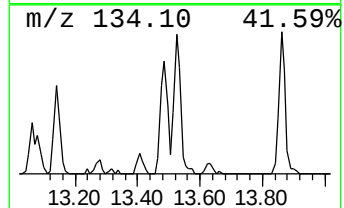
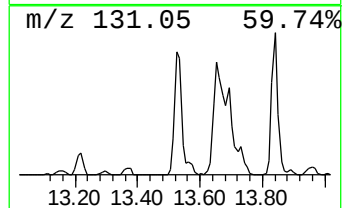
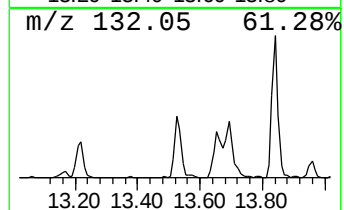
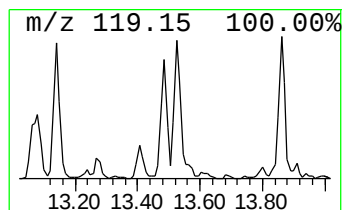
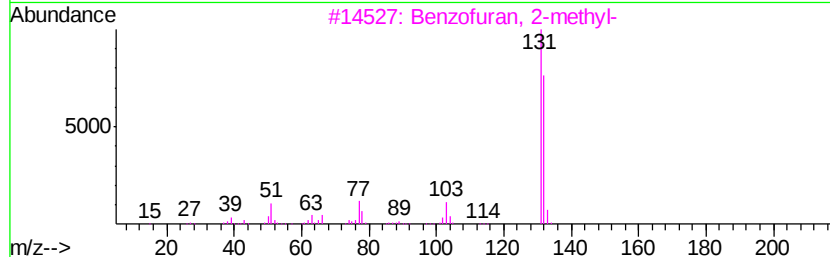
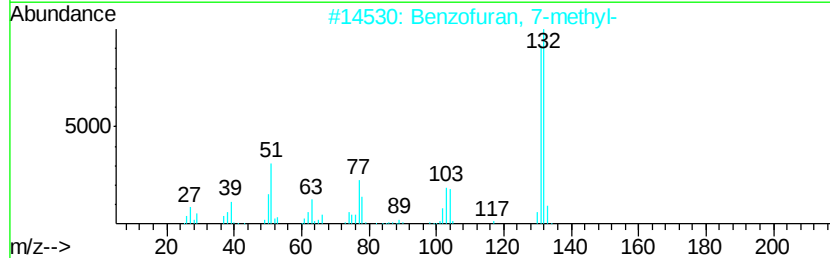
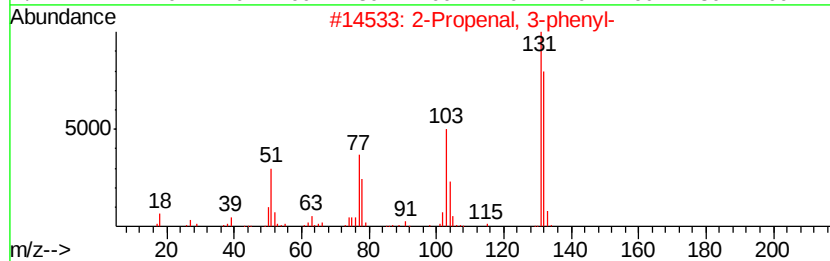
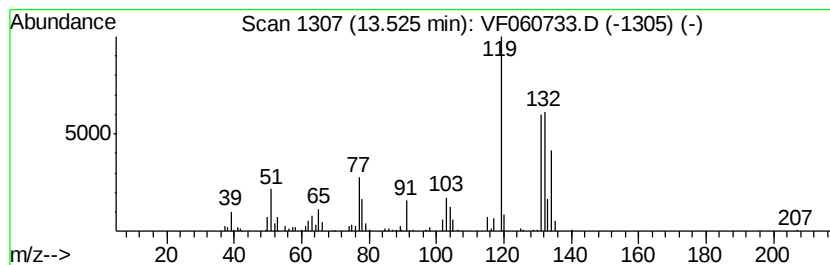
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 2-Propenal, 3-phenyl- Concentration Rank 7

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 13.52 | 8.57 ug/l | 109182 | 1,4-Dichlorobenzene-d4 | 12.54 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Propenal, 3-phenyl-          | 132 | C9H8O   | 000104-55-2 | 64   |
| 2    |    | Benzofuran, 7-methyl-          | 132 | C9H8O   | 017059-52-8 | 50   |
| 3    |    | Benzofuran, 2-methyl-          | 132 | C9H8O   | 004265-25-2 | 50   |
| 4    |    | Benzene, 1,4-diethyl-          | 134 | C10H14  | 000105-05-5 | 46   |
| 5    |    | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 46   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_F\DATA\VF111418\  
Data File : VF060733.D  
Acq On : 14 Nov 2018 19:24  
Operator : VA/AP  
Sample : J5925-13  
Misc : 13.44g/5mL/MSVOA-F/SOIL  
ALS Vial : 17 Sample Multiplier: 1

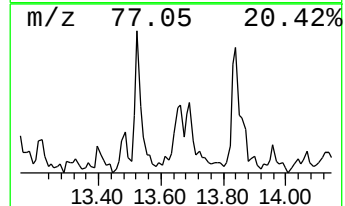
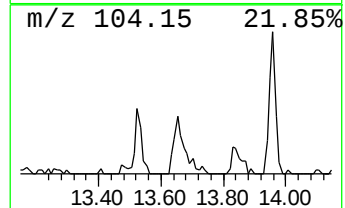
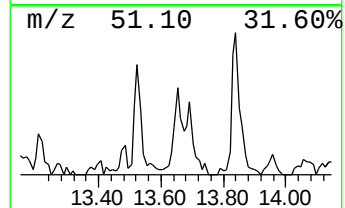
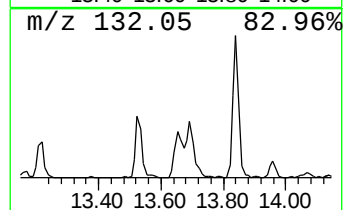
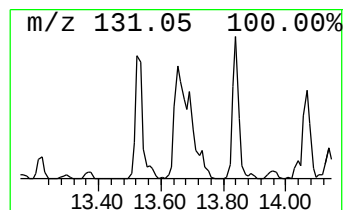
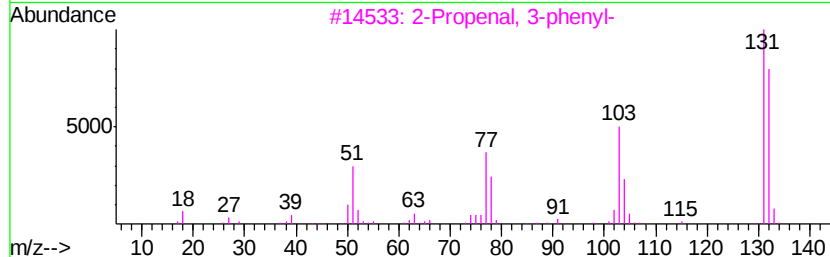
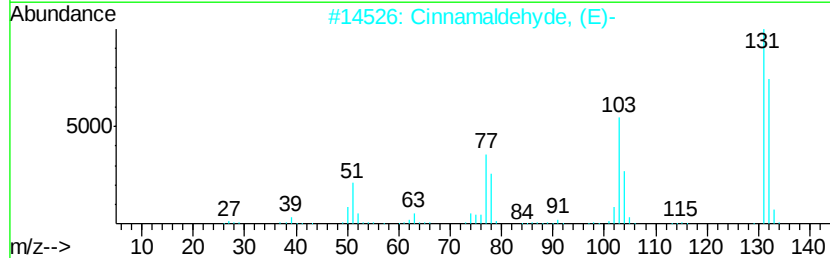
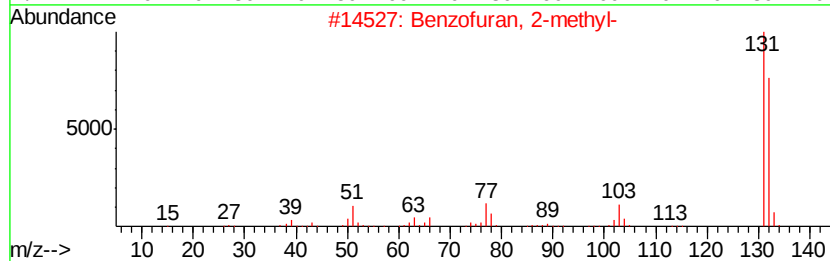
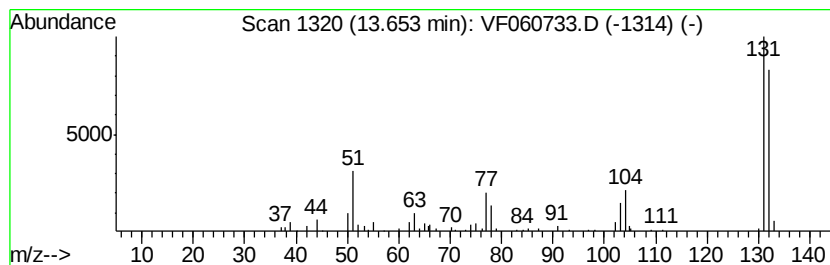
Instrument :  
MSVOA\_F  
ClientSampleId :  
TP-6S1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F111318S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 6 Benzofuran, 2-methyl- Concentration Rank 9

| R.T.    | EstConc   | Area                          | Relative to ISTD       | R.T.           |
|---------|-----------|-------------------------------|------------------------|----------------|
| 13.65   | 5.65 ug/l | 71890                         | 1,4-Dichlorobenzene-d4 | 12.54          |
| Hit# of | 5         | Tentative ID                  | MW MolForm             | CAS# Qual      |
| 1       |           | Benzofuran, 2-methyl-         | 132 C9H8O              | 004265-25-2 90 |
| 2       |           | Cinnamaldehyde, (E)-          | 132 C9H8O              | 014371-10-9 86 |
| 3       |           | 2-Propenal, 3-phenyl-         | 132 C9H8O              | 000104-55-2 80 |
| 4       |           | 4-Aminobenzyl cyanide         | 132 C8H8N2             | 003544-25-0 80 |
| 5       |           | Benzopyrimidine, 3,4-dihydro- | 132 C8H8N2             | 001904-64-9 78 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_F\DATA\VF111418\  
Data File : VF060733.D  
Acq On : 14 Nov 2018 19:24  
Operator : VA/AP  
Sample : J5925-13  
Misc : 13.44g/5mL/MSVOA-F/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
TP-6S1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F111318S.M  
Quant Title : SW846 8260

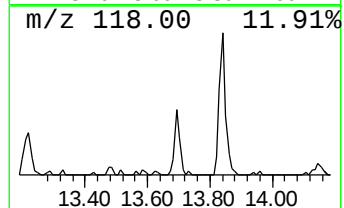
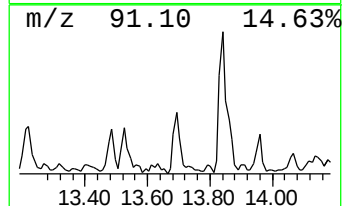
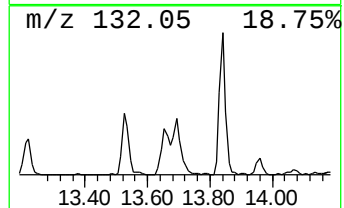
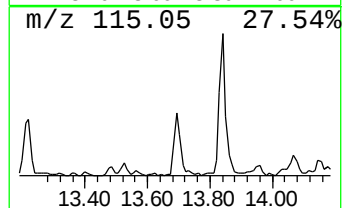
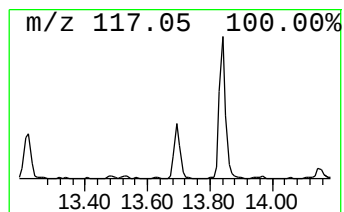
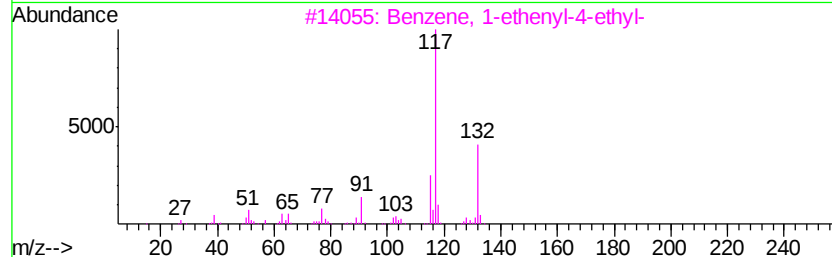
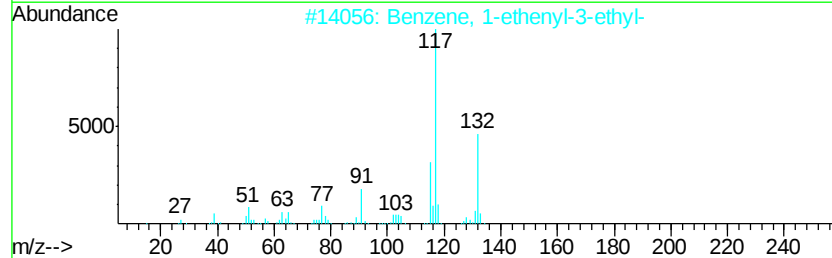
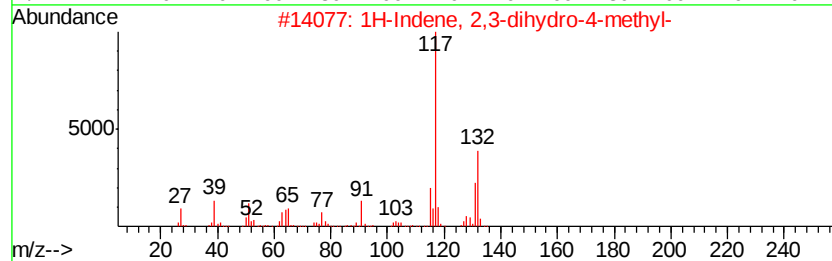
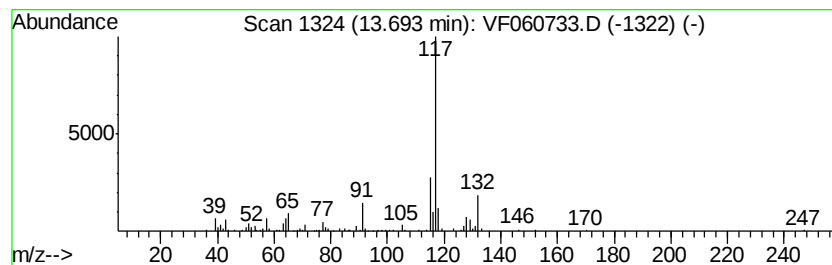
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 5

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 13.69 | 9.56 ug/l | 121777 | 1,4-Dichlorobenzene-d4 | 12.54 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------------------|-----|---------|-------------|------|
| 1       |   | 1H-Indene, 2,3-dihydro-4-methyl-    | 132 | C10H12  | 000824-22-6 | 90   |
| 2       |   | Benzene, 1-ethenyl-3-ethyl-         | 132 | C10H12  | 007525-62-4 | 87   |
| 3       |   | Benzene, 1-ethenyl-4-ethyl-         | 132 | C10H12  | 003454-07-7 | 87   |
| 4       |   | Indan, 1-methyl-                    | 132 | C10H12  | 000767-58-8 | 80   |
| 5       |   | Benzene, [(3-phenyl-2-propenyl)t... | 226 | C15H14S | 010276-14-9 | 80   |



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A\_F\DATA\VF111418\  
Data File : VF060733.D  
Acq On : 14 Nov 2018 19:24  
Operator : VA/AP  
Sample : J5925-13  
Misc : 13.44g/5mL/MSV0A-F/SOIL  
ALS Vial : 17 Sample Multiplier: 1

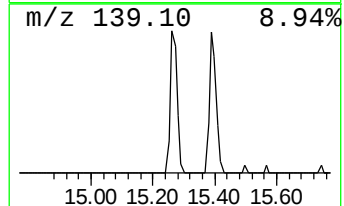
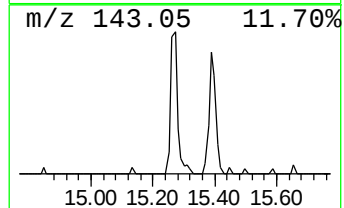
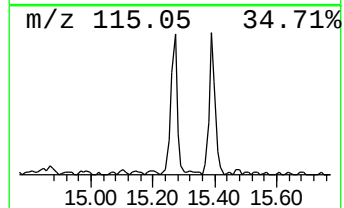
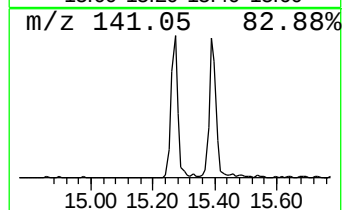
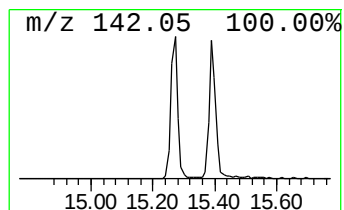
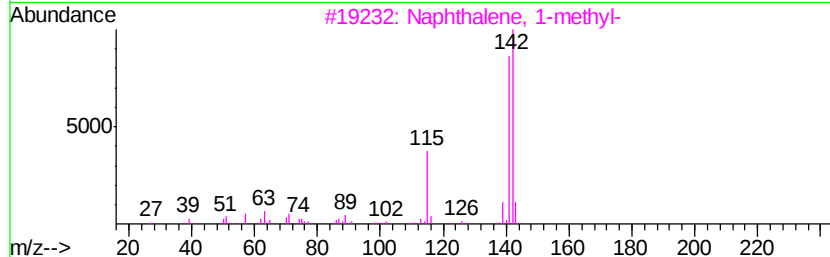
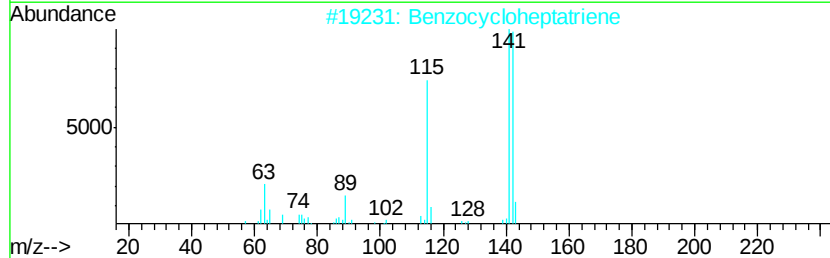
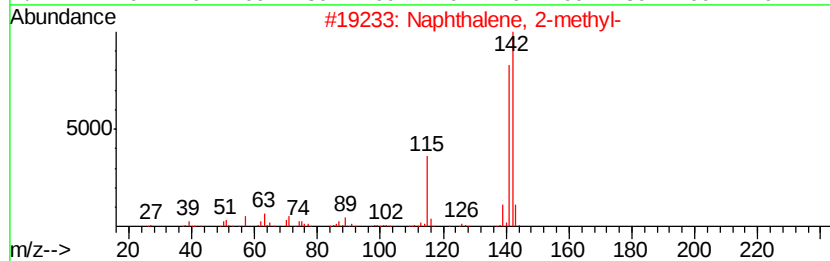
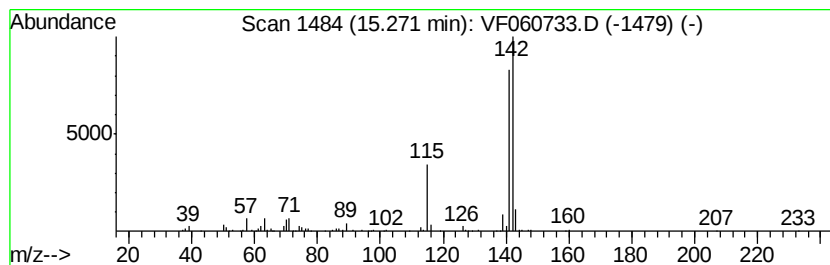
Instrument :  
MSV0A\_F  
ClientSampleId :  
TP-6S1

Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A\_F\METHODS\82F111318S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 4

| R.T.    | EstConc   | Area                                | Relative to ISTD       | R.T.    |             |      |
|---------|-----------|-------------------------------------|------------------------|---------|-------------|------|
| 15.27   | 9.77 ug/l | 124390                              | 1,4-Dichlorobenzene-d4 | 12.54   |             |      |
| Hit# of | 5         | Tentative ID                        | MW                     | MolForm | CAS#        | Qual |
| 1       |           | Naphthalene, 2-methyl-              | 142                    | C11H10  | 000091-57-6 | 97   |
| 2       |           | Benzocycloheptatriene               | 142                    | C11H10  | 000264-09-5 | 94   |
| 3       |           | Naphthalene, 1-methyl-              | 142                    | C11H10  | 000090-12-0 | 94   |
| 4       |           | 1,4-Methanonaphthalene, 1,4-dihy... | 142                    | C11H10  | 004453-90-1 | 91   |
| 5       |           | Naphthalene, 1-[(2-propenyloxy)m... | 198                    | C14H14O | 074685-39-5 | 83   |



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A\_F\DATA\VF111418\  
Data File : VF060733.D  
Acq On : 14 Nov 2018 19:24  
Operator : VA/AP  
Sample : J5925-13  
Misc : 13.44g/5mL/MSV0A-F/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSV0A\_F  
ClientSampleId :  
TP-6S1

Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A\_F\METHODS\82F111318S.M  
Quant Title : SW846 8260

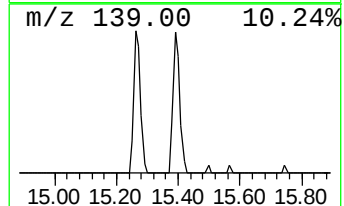
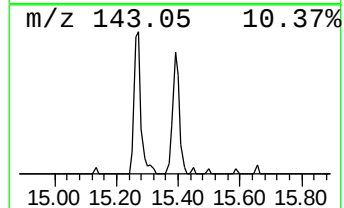
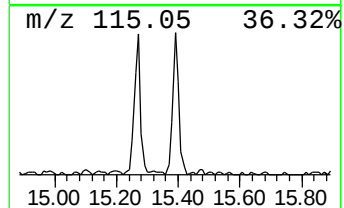
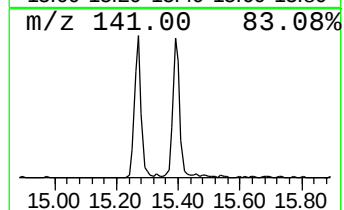
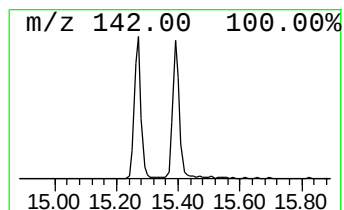
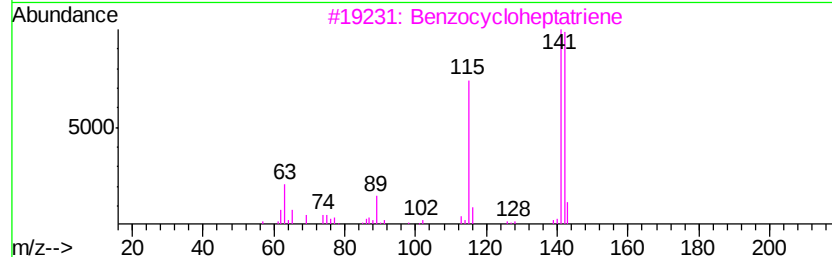
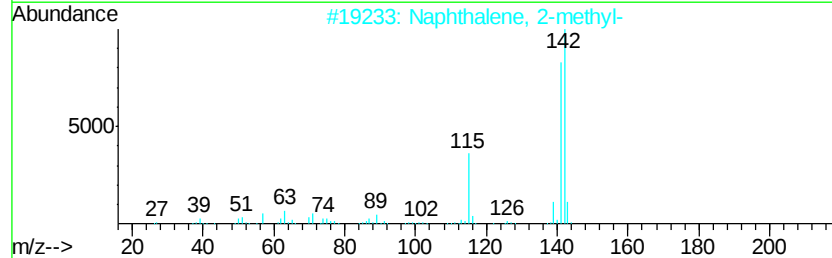
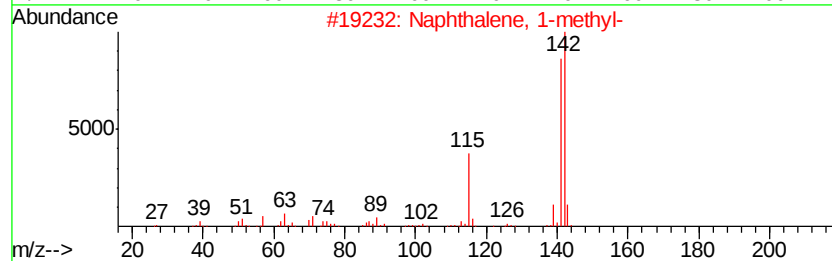
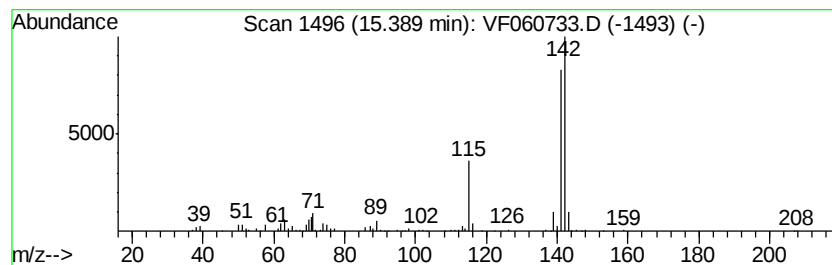
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Benzocycloheptatriene Concentration Rank 6

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 15.39 | 9.07 ug/l | 115538 | 1,4-Dichlorobenzene-d4 | 12.54 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 2    |    | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 95   |
| 3    |    | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 91   |
| 4    |    | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 86   |
| 5    |    | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 72   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_F\DATA\VF111418\  
Data File : VF060733.D  
Acq On : 14 Nov 2018 19:24  
Operator : VA/AP  
Sample : J5925-13  
Misc : 13.44g/5mL/MSVOA-F/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
TP-6S1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F111318S.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 |
| unknown1.10          | 1.10  | 5.6     | ug/l  | 72403    | 1                     | 4.85  | 650802 | 50.0 |
| Benzene, 1,2,3-tr... | 12.60 | 13.1    | ug/l  | 166657   | 4                     | 12.54 | 636751 | 50.0 |
| Indane               | 12.71 | 44.5    | ug/l  | 566260   | 4                     | 12.54 | 636751 | 50.0 |
| Benzene, (2-methy... | 13.22 | 6.2     | ug/l  | 78875    | 4                     | 12.54 | 636751 | 50.0 |
| 2-Propenal, 3-phe... | 13.52 | 8.6     | ug/l  | 109182   | 4                     | 12.54 | 636751 | 50.0 |
| Benzofuran, 2-met... | 13.65 | 5.7     | ug/l  | 71890    | 4                     | 12.54 | 636751 | 50.0 |
| 1H-Indene, 2,3-di... | 13.69 | 9.6     | ug/l  | 121777   | 4                     | 12.54 | 636751 | 50.0 |
| Naphthalene, 1-me... | 15.27 | 9.8     | ug/l  | 124390   | 4                     | 12.54 | 636751 | 50.0 |
| Benzocycloheptatr... | 15.39 | 9.1     | ug/l  | 115538   | 4                     | 12.54 | 636751 | 50.0 |