

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\  
 Data File : VU024540.D  
 Acq On : 14 Jun 2018 15:21  
 Operator : MD/SY  
 Sample : J3443-03  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 T3-MW-2-9.0-061118

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\_U\METHOD\82U061318W.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         | 1.092       | 145           | 156         | 170          | rBV      | 606303         | 707826        | 4.77%           | 0.694%        |
| 2         | 3.002       | 737           | 750         | 768          | rVB3     | 70115          | 150573        | 1.01%           | 0.148%        |
| 3         | 4.101       | 1075          | 1092        | 1110         | rBV      | 137920         | 364430        | 2.45%           | 0.357%        |
| 4         | 4.889       | 1320          | 1337        | 1354         | rBV      | 188958         | 442307        | 2.98%           | 0.434%        |
| 5         | 4.992       | 1354          | 1369        | 1385         | rVV5     | 309492         | 741871        | 5.00%           | 0.728%        |
| 6         | 5.085       | 1386          | 1398        | 1425         | rVB5     | 89871          | 269404        | 1.81%           | 0.264%        |
| 7         | 5.227       | 1427          | 1442        | 1457         | rBV      | 62835          | 159953        | 1.08%           | 0.157%        |
| 8         | 5.317       | 1458          | 1470        | 1489         | rVB      | 176704         | 379017        | 2.55%           | 0.372%        |
| 9         | 5.487       | 1511          | 1523        | 1531         | rBV4     | 72700          | 156932        | 1.06%           | 0.154%        |
| 10        | 5.555       | 1532          | 1544        | 1556         | rVV5     | 110784         | 299209        | 2.02%           | 0.293%        |
| 11        | 5.628       | 1556          | 1567        | 1583         | rVB3     | 63572          | 151209        | 1.02%           | 0.148%        |
| 12        | 5.892       | 1635          | 1649        | 1660         | rBV      | 352126         | 705535        | 4.75%           | 0.692%        |
| 13        | 5.953       | 1661          | 1668        | 1690         | rVB6     | 98456          | 272482        | 1.84%           | 0.267%        |
| 14        | 6.416       | 1791          | 1812        | 1827         | rBV6     | 258073         | 735489        | 4.95%           | 0.721%        |
| 15        | 6.847       | 1927          | 1946        | 1957         | rBV7     | 46429          | 150172        | 1.01%           | 0.147%        |
| 16        | 6.931       | 1958          | 1972        | 1988         | rVB2     | 78754          | 180973        | 1.22%           | 0.178%        |
| 17        | 7.069       | 1990          | 2015        | 2046         | rBV3     | 254314         | 704410        | 4.74%           | 0.691%        |
| 18        | 7.435       | 2117          | 2129        | 2147         | rVB4     | 103463         | 224811        | 1.51%           | 0.221%        |
| 19        | 7.571       | 2147          | 2171        | 2186         | rBV      | 682339         | 1373833       | 9.25%           | 1.348%        |
| 20        | 8.050       | 2302          | 2320        | 2327         | rBV      | 74549          | 150232        | 1.01%           | 0.147%        |
| 21        | 8.098       | 2327          | 2335        | 2352         | rVB      | 154235         | 263963        | 1.78%           | 0.259%        |
| 22        | 9.095       | 2633          | 2645        | 2657         | rBV      | 527286         | 899475        | 6.06%           | 0.882%        |
| 23        | 9.959       | 2891          | 2914        | 2933         | rBV6     | 53976          | 153149        | 1.03%           | 0.150%        |
| 24        | 10.168      | 2968          | 2979        | 3001         | rVB      | 779221         | 1223960       | 8.24%           | 1.201%        |
| 25        | 10.310      | 3013          | 3023        | 3035         | rBV      | 549556         | 864157        | 5.82%           | 0.848%        |
| 26        | 10.590      | 3099          | 3110        | 3134         | rVB      | 2814632        | 4293485       | 28.92%          | 4.211%        |
| 27        | 10.976      | 3217          | 3230        | 3252         | rVB      | 480754         | 772200        | 5.20%           | 0.757%        |
| 28        | 11.152      | 3277          | 3285        | 3297         | rVB      | 101869         | 158068        | 1.06%           | 0.155%        |
| 29        | 11.294      | 3316          | 3329        | 3333         | rBV      | 165204         | 255612        | 1.72%           | 0.251%        |
| 30        | 11.326      | 3334          | 3339        | 3353         | rVB      | 273781         | 412066        | 2.78%           | 0.404%        |
| 31        | 11.487      | 3378          | 3389        | 3402         | rVB      | 732031         | 1159525       | 7.81%           | 1.137%        |
| 32        | 11.693      | 3442          | 3453        | 3463         | rVB      | 198235         | 303789        | 2.05%           | 0.298%        |
| 33        | 11.773      | 3463          | 3478        | 3496         | rBV3     | 3750604        | 7499717       | 50.52%          | 7.356%        |
| 34        | 11.869      | 3496          | 3508        | 3526         | rVB6     | 1237776        | 2652640       | 17.87%          | 2.602%        |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\  
 Data File : VU024540.D  
 Acq On : 14 Jun 2018 15:21  
 Operator : MD/SY  
 Sample : J3443-03  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 T3-MW-2-9.0-061118

## 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\_U\METHOD\82U061318W.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |          |         |         |
|----|--------|------|------|------|------|---------|----------|---------|---------|
| 35 | 11.985 | 3533 | 3544 | 3556 | rVB  | 583923  | 914311   | 6.16%   | 0.897%  |
| 36 | 12.062 | 3557 | 3568 | 3581 | rBV3 | 219462  | 374390   | 2.52%   | 0.367%  |
| 37 | 12.149 | 3583 | 3595 | 3613 | rBV  | 1243607 | 2021265  | 13.61%  | 1.983%  |
| 38 | 12.255 | 3614 | 3628 | 3635 | rBV  | 5732867 | 8808785  | 59.33%  | 8.640%  |
| 39 | 12.358 | 3649 | 3660 | 3680 | rBV2 | 3972283 | 7459989  | 50.25%  | 7.317%  |
| 40 | 12.545 | 3709 | 3718 | 3733 | rVB3 | 289506  | 540783   | 3.64%   | 0.530%  |
| 41 | 12.654 | 3733 | 3752 | 3760 | rBV  | 3535361 | 5424540  | 36.54%  | 5.321%  |
| 42 | 12.705 | 3760 | 3768 | 3782 | rVB  | 3346394 | 4978556  | 33.53%  | 4.883%  |
| 43 | 12.792 | 3783 | 3795 | 3800 | rBV2 | 346758  | 550300   | 3.71%   | 0.540%  |
| 44 | 12.927 | 3829 | 3837 | 3840 | rBV2 | 209613  | 275561   | 1.86%   | 0.270%  |
| 45 | 12.969 | 3840 | 3850 | 3865 | rVB  | 3511378 | 5394139  | 36.33%  | 5.291%  |
| 46 | 13.127 | 3877 | 3899 | 3913 | rBV3 | 8674527 | 14846312 | 100.00% | 14.562% |
| 47 | 13.191 | 3915 | 3919 | 3928 | rVB2 | 304720  | 422995   | 2.85%   | 0.415%  |
| 48 | 13.239 | 3928 | 3934 | 3942 | rBV  | 183426  | 240565   | 1.62%   | 0.236%  |
| 49 | 13.294 | 3942 | 3951 | 3970 | rVB3 | 555435  | 983183   | 6.62%   | 0.964%  |
| 50 | 13.410 | 3974 | 3987 | 3994 | rBV2 | 374613  | 626790   | 4.22%   | 0.615%  |
| 51 | 13.458 | 3994 | 4002 | 4011 | rBV  | 818068  | 1237576  | 8.34%   | 1.214%  |
| 52 | 13.512 | 4011 | 4019 | 4026 | rBV2 | 1021296 | 1609364  | 10.84%  | 1.579%  |
| 53 | 13.583 | 4034 | 4041 | 4044 | rBV  | 283658  | 352547   | 2.37%   | 0.346%  |
| 54 | 13.612 | 4045 | 4050 | 4057 | rVB  | 530898  | 662310   | 4.46%   | 0.650%  |
| 55 | 13.734 | 4072 | 4088 | 4097 | rBV7 | 80991   | 204633   | 1.38%   | 0.201%  |
| 56 | 13.789 | 4097 | 4105 | 4117 | rVB  | 159580  | 252546   | 1.70%   | 0.248%  |
| 57 | 13.856 | 4117 | 4126 | 4142 | rBV  | 204046  | 325895   | 2.20%   | 0.320%  |
| 58 | 13.956 | 4146 | 4157 | 4168 | rVV3 | 424269  | 803908   | 5.41%   | 0.789%  |
| 59 | 14.014 | 4168 | 4175 | 4185 | rVB2 | 360968  | 551243   | 3.71%   | 0.541%  |
| 60 | 14.155 | 4207 | 4219 | 4234 | rBV  | 602425  | 1026051  | 6.91%   | 1.006%  |
| 61 | 14.342 | 4265 | 4277 | 4289 | rBV4 | 642635  | 1579688  | 10.64%  | 1.549%  |
| 62 | 14.477 | 4301 | 4319 | 4331 | rBV3 | 321441  | 678943   | 4.57%   | 0.666%  |
| 63 | 14.541 | 4331 | 4339 | 4353 | rVB2 | 343351  | 585108   | 3.94%   | 0.574%  |
| 64 | 14.680 | 4370 | 4382 | 4394 | rBV2 | 381616  | 667428   | 4.50%   | 0.655%  |
| 65 | 14.824 | 4417 | 4427 | 4433 | rBV  | 150146  | 234658   | 1.58%   | 0.230%  |
| 66 | 14.879 | 4433 | 4444 | 4457 | rVV  | 1656299 | 2623889  | 17.67%  | 2.574%  |
| 67 | 15.065 | 4490 | 4502 | 4516 | rBV  | 2939259 | 4666983  | 31.44%  | 4.578%  |
| 68 | 15.917 | 4755 | 4767 | 4781 | rBV2 | 135827  | 264376   | 1.78%   | 0.259%  |
| 69 | 16.062 | 4801 | 4812 | 4819 | rBV  | 208024  | 345674   | 2.33%   | 0.339%  |
| 70 | 16.101 | 4819 | 4824 | 4839 | rVB  | 121314  | 184679   | 1.24%   | 0.181%  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\  
Data File : VU024540.D  
Acq On : 14 Jun 2018 15:21  
Operator : MD/SY  
Sample : J3443-03  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
T3-MW-2-9.0-061118

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\_U\METHOD\82U061318W.M  
Title : SW846 8260

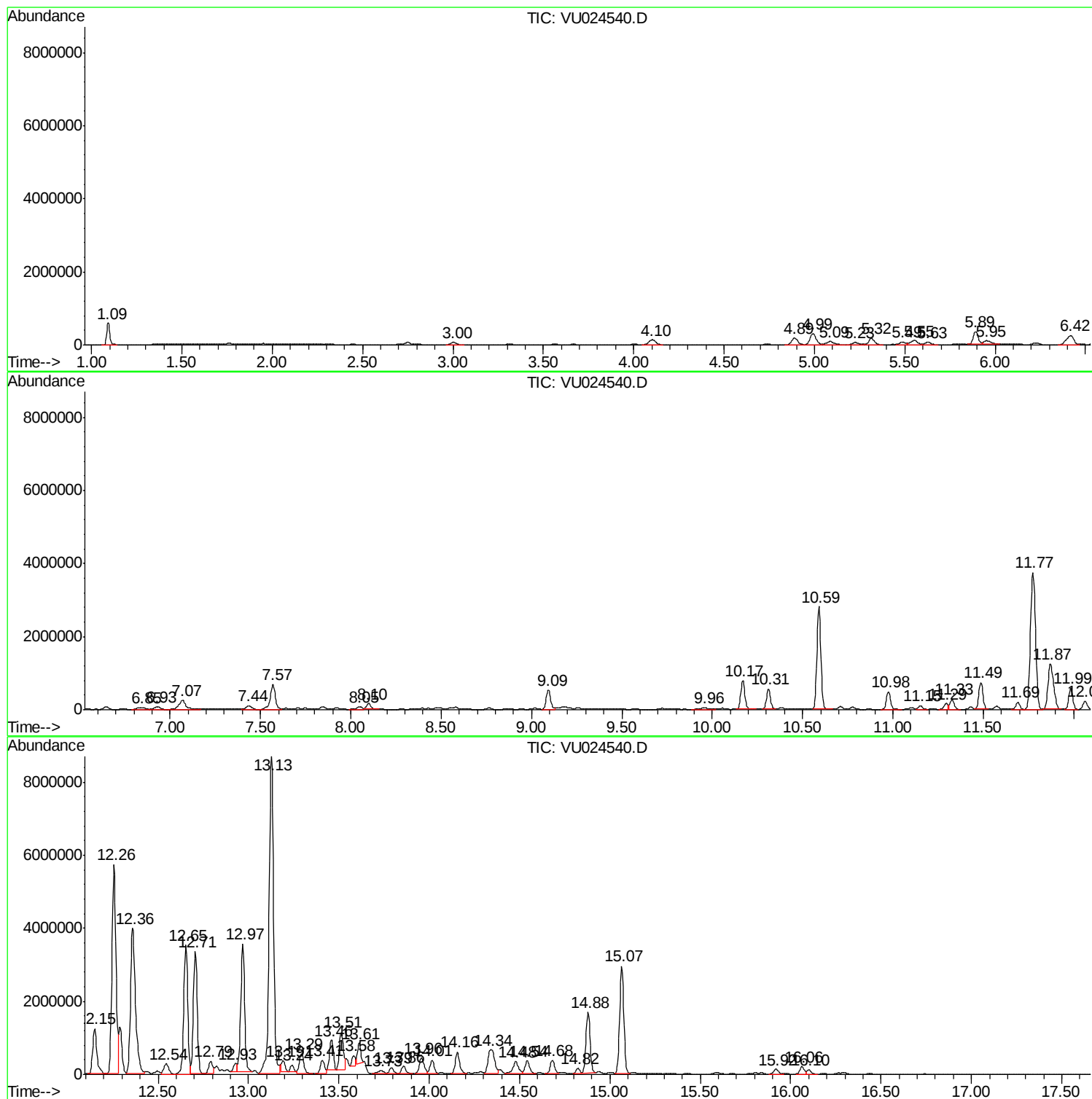
Sum of corrected areas: 101952437

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061418\  
Data File : VU024540.D  
Acq On : 14 Jun 2018 15:21  
Operator : MD/SY  
Sample : J3443-03  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
T3-MW-2-9.0-061118

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061418\  
Data File : VU024540.D  
Acq On : 14 Jun 2018 15:21  
Operator : MD/SY  
Sample : J3443-03  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
T3-MW-2-9.0-061118

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
Quant Title : SW846 8260

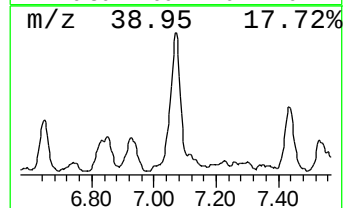
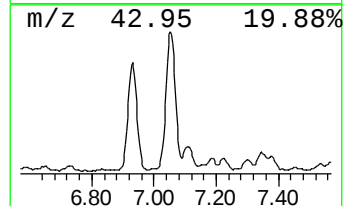
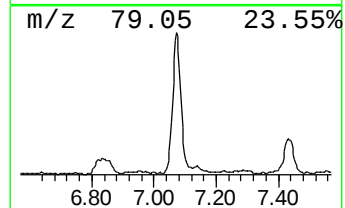
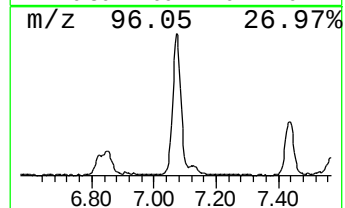
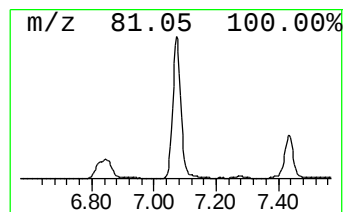
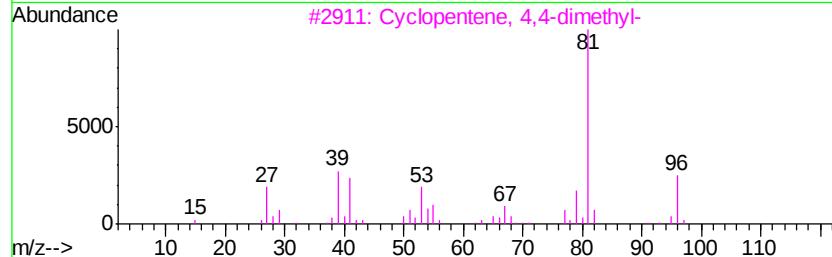
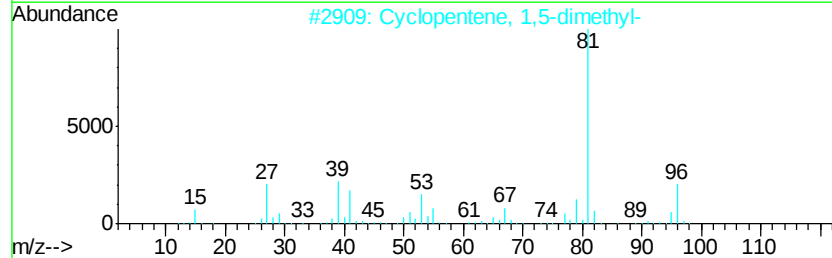
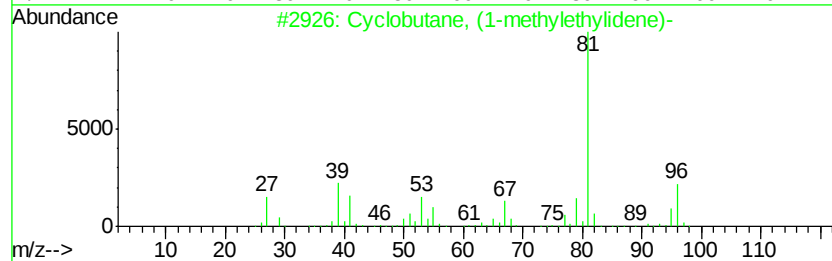
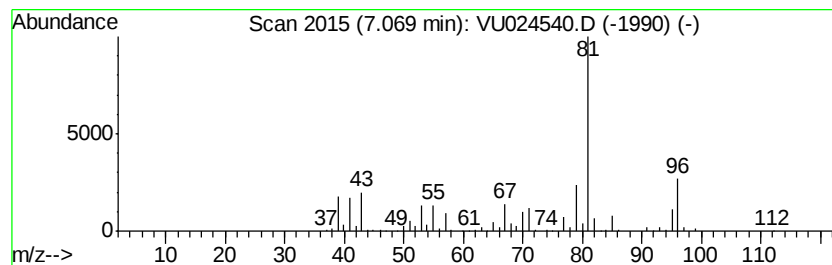
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Cyclobutane, (1-methylethyl... Concentration Rank 15

| R.T. | EstConc    | Area   | Relative to ISTD    | R.T. |
|------|------------|--------|---------------------|------|
| 7.07 | 49.92 ug/l | 704410 | 1,4-Difluorobenzene | 5.89 |

| Hit# of | 5 | Tentative ID                       | MW | MolForm | CAS#        | Qual |
|---------|---|------------------------------------|----|---------|-------------|------|
| 1       |   | Cyclobutane, (1-methylethylidene)- | 96 | C7H12   | 001528-22-9 | 76   |
| 2       |   | Cyclopentene, 1,5-dimethyl-        | 96 | C7H12   | 016491-15-9 | 68   |
| 3       |   | Cyclopentene, 4,4-dimethyl-        | 96 | C7H12   | 019037-72-0 | 68   |
| 4       |   | 2,4-Heptadiene, (E,E)-             | 96 | C7H12   | 002384-94-3 | 64   |
| 5       |   | 1,4-Hexadiene, 4-methyl-           | 96 | C7H12   | 001116-90-1 | 59   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061418\  
Data File : VU024540.D  
Acq On : 14 Jun 2018 15:21  
Operator : MD/SY  
Sample : J3443-03  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
T3-MW-2-9.0-061118

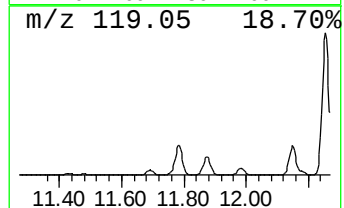
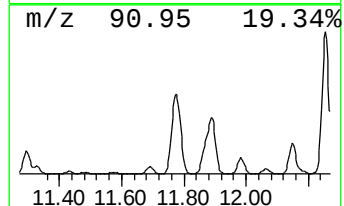
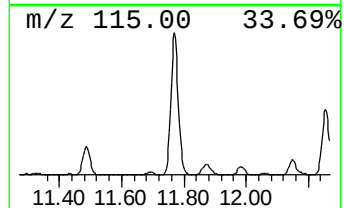
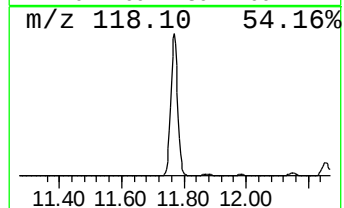
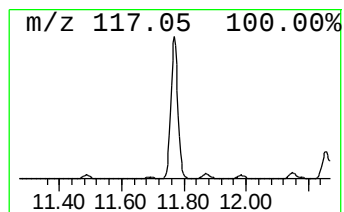
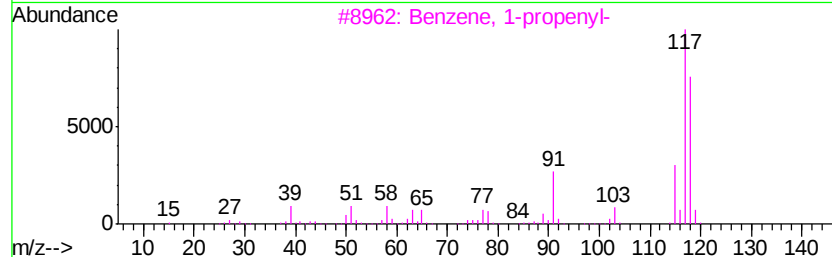
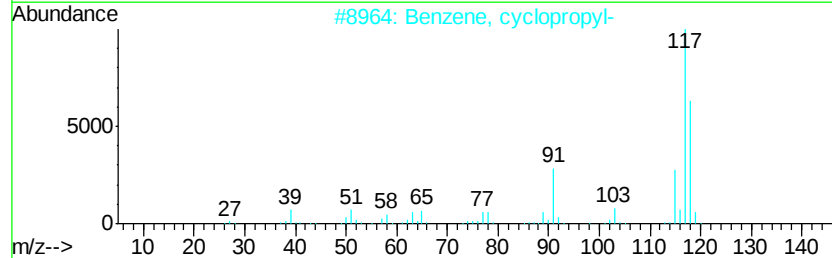
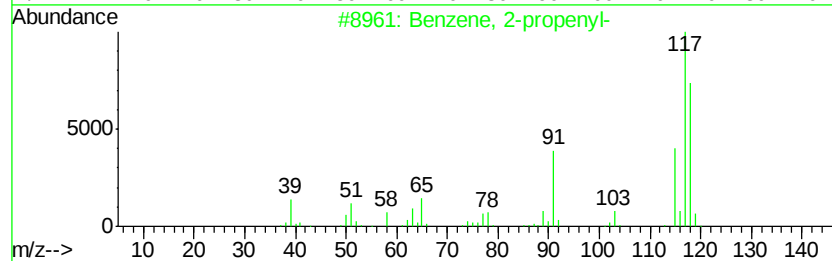
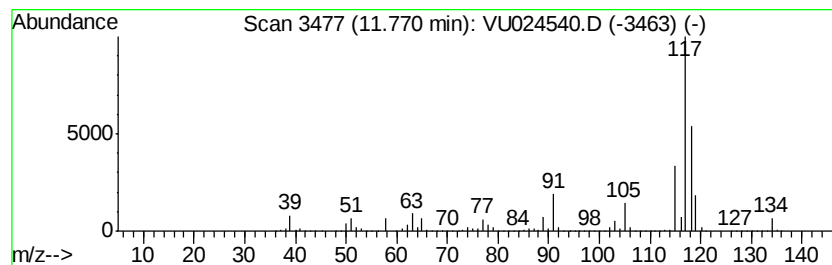
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 Benzene, 2-propenyl- Concentration Rank 3

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 11.77 | 323.40 ug/l | 7499720 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 2-propenyl-         | 118 | C9H10   | 000300-57-2 | 70   |
| 2    |    | Benzene, cyclopropyl-        | 118 | C9H10   | 000873-49-4 | 64   |
| 3    |    | Benzene, 1-propenyl-         | 118 | C9H10   | 000637-50-3 | 64   |
| 4    |    | Indane                       | 118 | C9H10   | 000496-11-7 | 64   |
| 5    |    | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10   | 000611-15-4 | 45   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061418\  
Data File : VU024540.D  
Acq On : 14 Jun 2018 15:21  
Operator : MD/SY  
Sample : J3443-03  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
T3-MW-2-9.0-061118

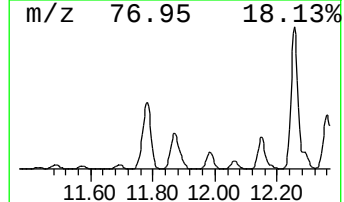
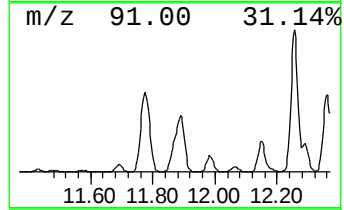
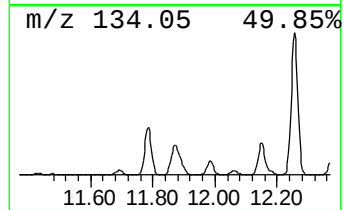
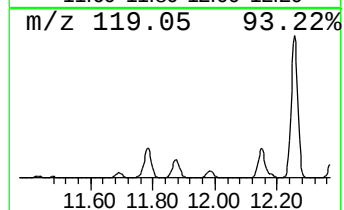
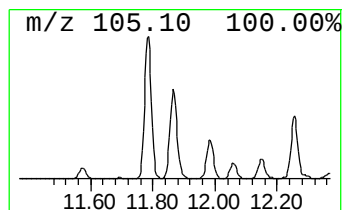
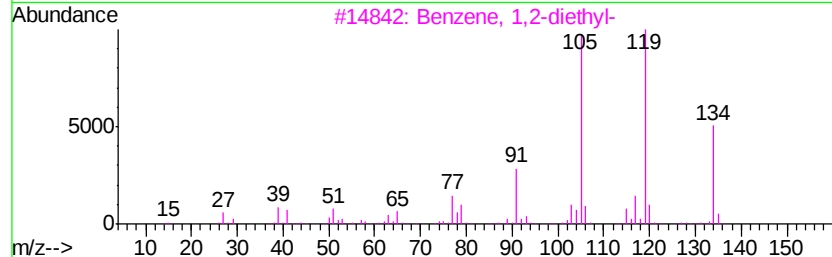
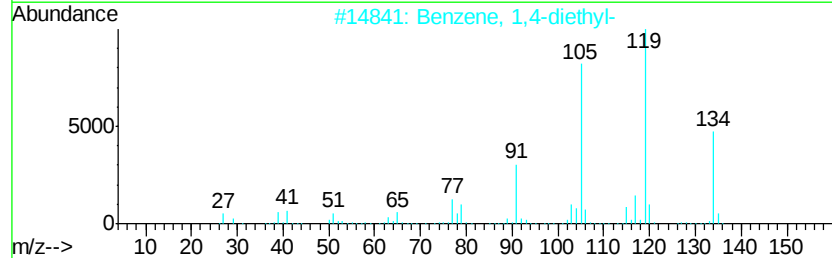
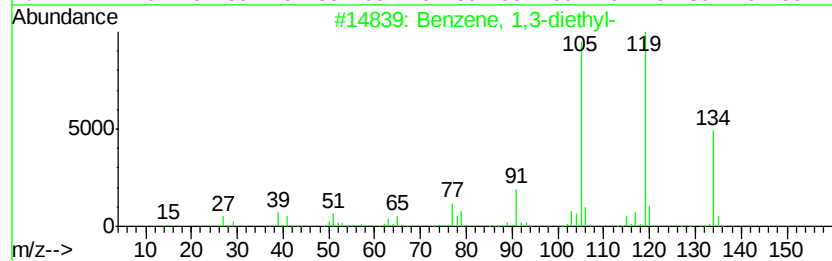
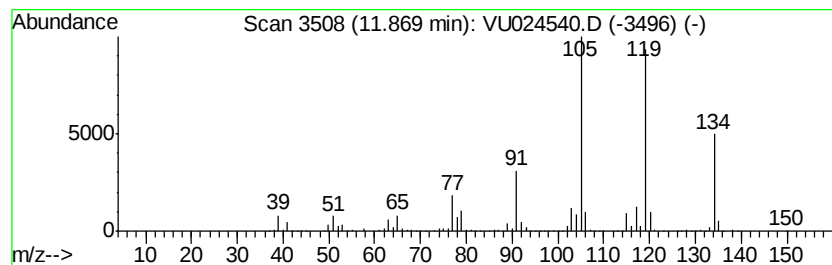
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Benzene, 1,3-diethyl- Concentration Rank 9

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 11.87 | 114.39 ug/l | 2652640 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,3-diethyl-          | 134 | C10H14  | 000141-93-5 | 97   |
| 2    |    | Benzene, 1,4-diethyl-          | 134 | C10H14  | 000105-05-5 | 97   |
| 3    |    | Benzene, 1,2-diethyl-          | 134 | C10H14  | 000135-01-3 | 96   |
| 4    |    | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 91   |
| 5    |    | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 91   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061418\  
Data File : VU024540.D  
Acq On : 14 Jun 2018 15:21  
Operator : MD/SY  
Sample : J3443-03  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
T3-MW-2-9.0-061118

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
Quant Title : SW846 8260

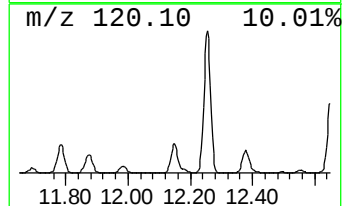
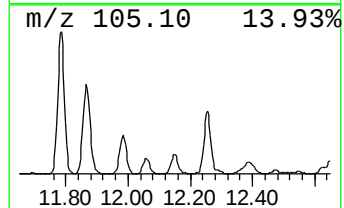
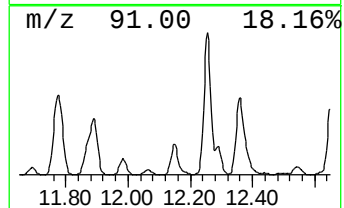
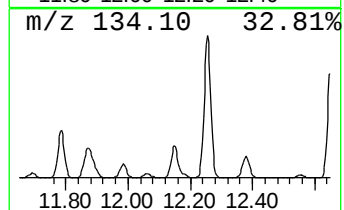
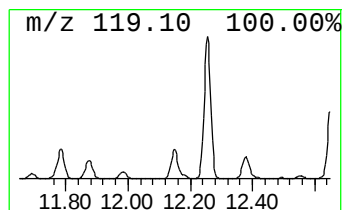
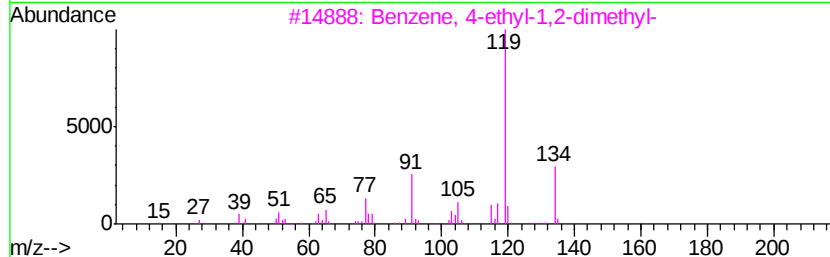
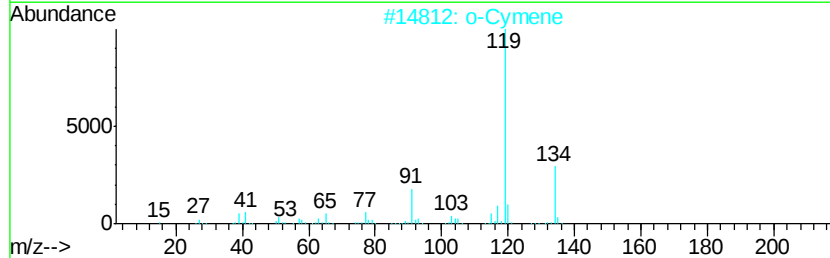
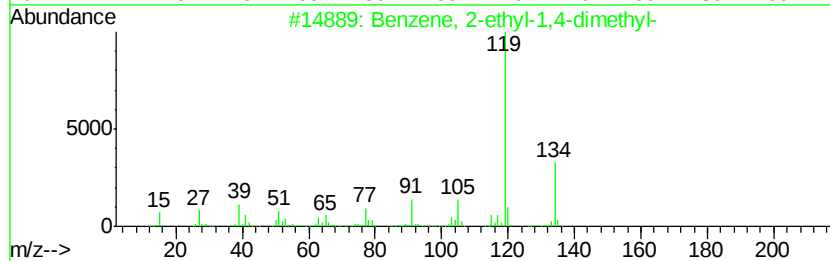
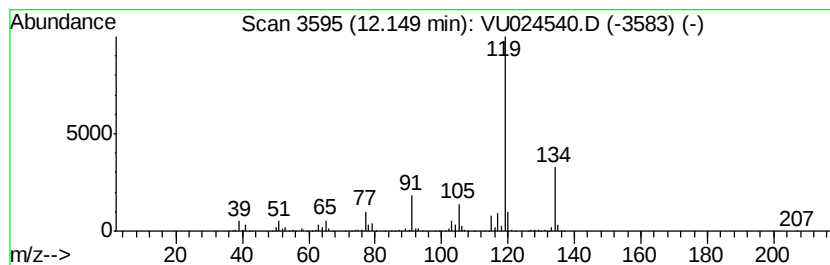
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 11

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 12.15 | 87.16 ug/l | 2021270 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 97   |
| 2    |    | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 95   |
| 3    |    | Benzene, 4-ethyl-1,2-dimethyl-      | 134 | C10H14  | 000934-80-5 | 95   |
| 4    |    | Benzene, 1-ethyl-2,3-dimethyl-      | 134 | C10H14  | 000933-98-2 | 95   |
| 5    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 94   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061418\  
Data File : VU024540.D  
Acq On : 14 Jun 2018 15:21  
Operator : MD/SY  
Sample : J3443-03  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
T3-MW-2-9.0-061118

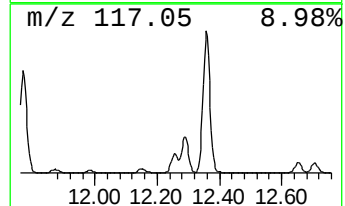
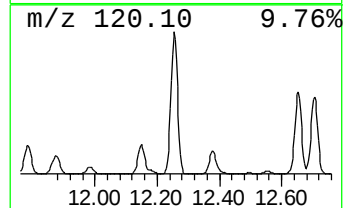
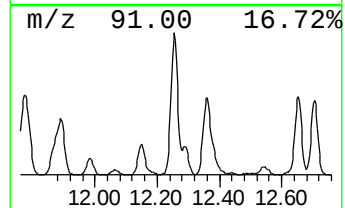
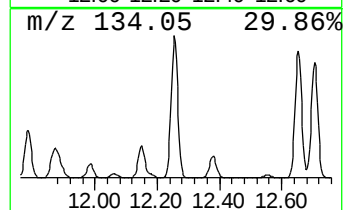
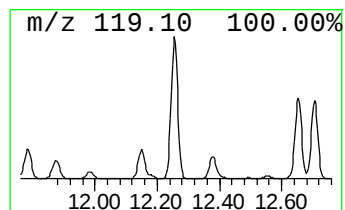
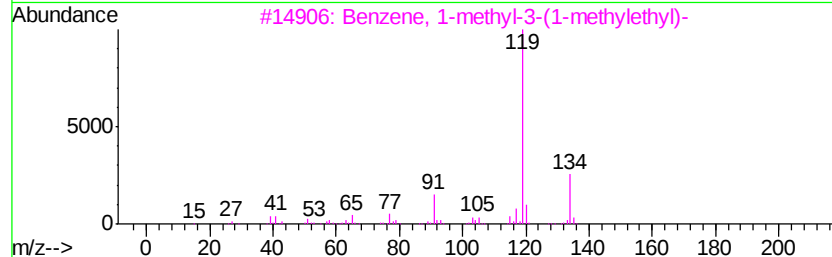
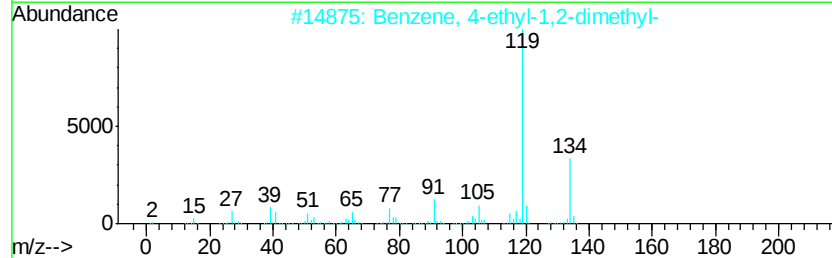
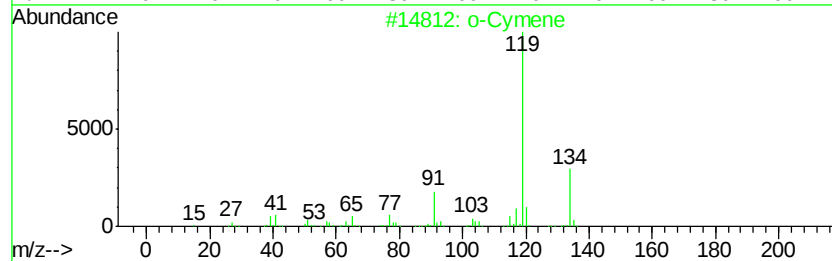
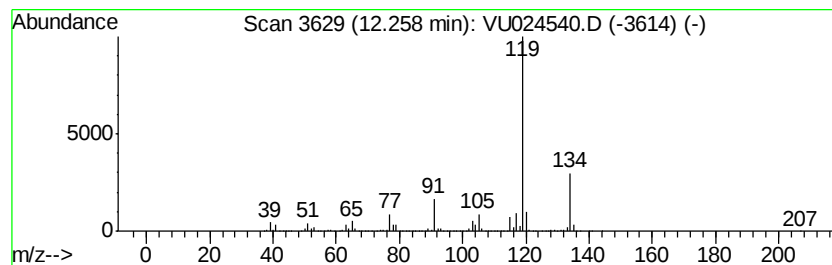
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 o-Cymene Concentration Rank 2

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 12.26 | 379.85 ug/l | 8808790 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------------|-----|---------|-------------|------|
| 1    | 5  | o-Cymene                             | 134 | C10H14  | 000527-84-4 | 97   |
| 2    |    | Benzene, 4-ethyl-1,2-dimethyl-       | 134 | C10H14  | 000934-80-5 | 95   |
| 3    |    | Benzene, 1-methyl-3-(1-methylethyl)- | 134 | C10H14  | 000535-77-3 | 95   |
| 4    |    | p-Cymene                             | 134 | C10H14  | 000099-87-6 | 95   |
| 5    |    | Benzene, 1-ethyl-2,3-dimethyl-       | 134 | C10H14  | 000933-98-2 | 95   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061418\  
Data File : VU024540.D  
Acq On : 14 Jun 2018 15:21  
Operator : MD/SY  
Sample : J3443-03  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
T3-MW-2-9.0-061118

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
Quant Title : SW846 8260

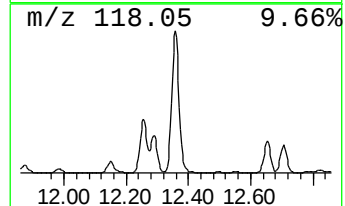
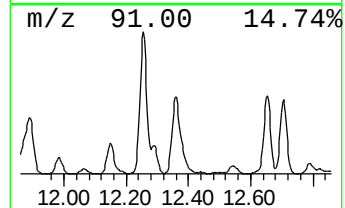
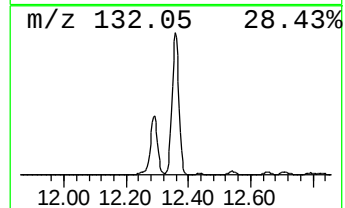
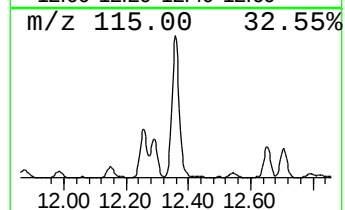
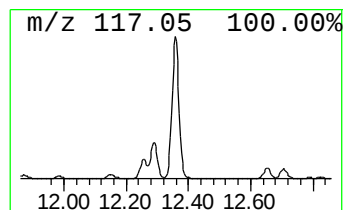
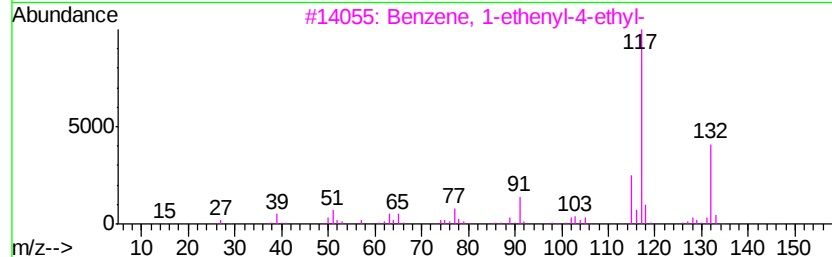
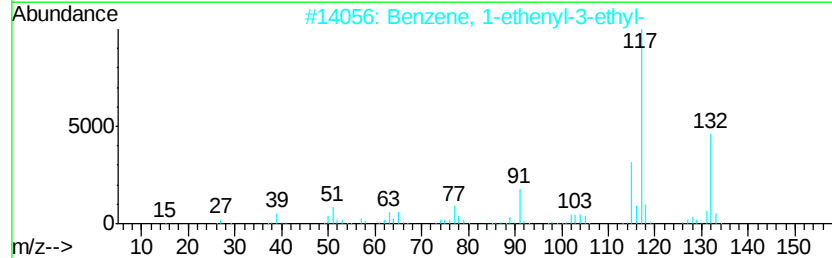
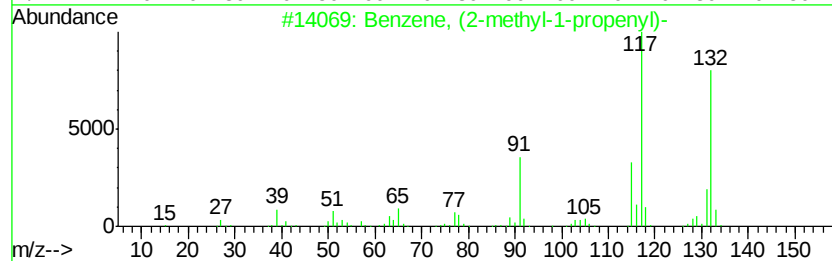
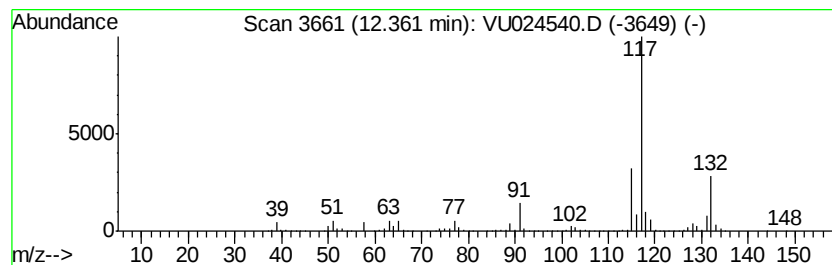
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Benzene, (2-methyl-1-propen... Concentration Rank 4

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 12.36 | 321.68 ug/l | 7459990 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#         | Qual |
|------|----|---------------------------------|-----|---------|--------------|------|
| 1    | 5  | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12  | 000768-49-0  | 90   |
| 2    |    | Benzene, 1-ethenyl-3-ethyl-     | 132 | C10H12  | 007525-62-4  | 90   |
| 3    |    | Benzene, 1-ethenyl-4-ethyl-     | 132 | C10H12  | 003454-07-7  | 87   |
| 4    |    | Indan, 1-methyl-                | 132 | C10H12  | 000767-58-8  | 87   |
| 5    |    | Benzene, (2-methylcyclopropyl)- | 132 | C10H12  | 1000327-39-0 | 83   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061418\  
Data File : VU024540.D  
Acq On : 14 Jun 2018 15:21  
Operator : MD/SY  
Sample : J3443-03  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
T3-MW-2-9.0-061118

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
Quant Title : SW846 8260

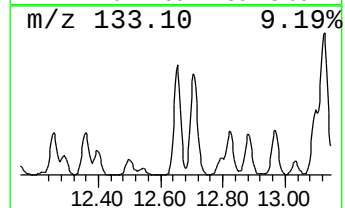
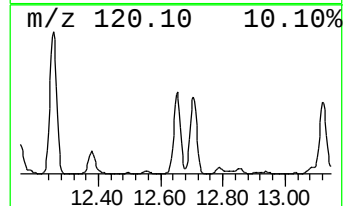
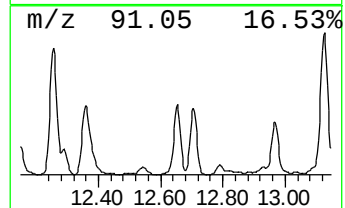
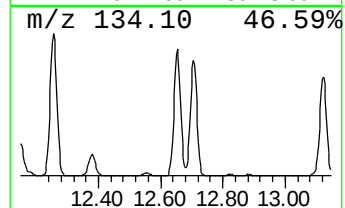
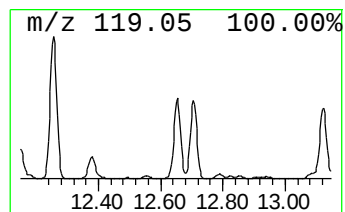
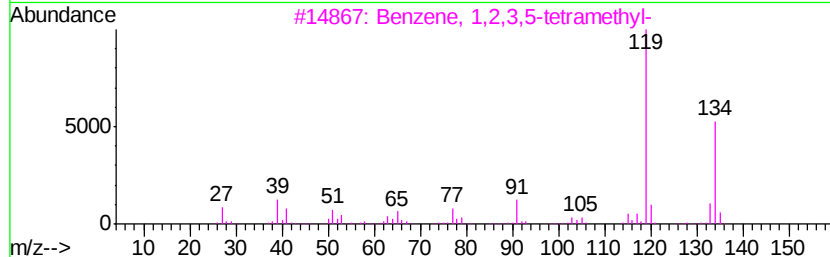
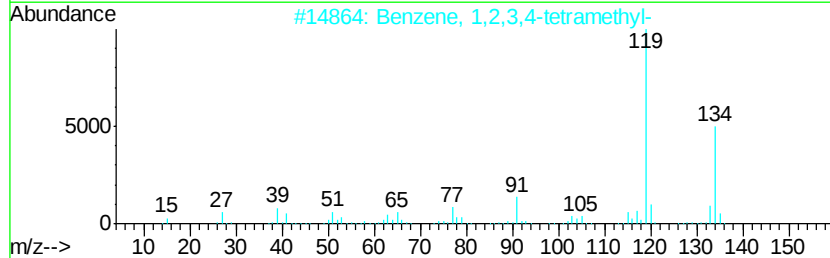
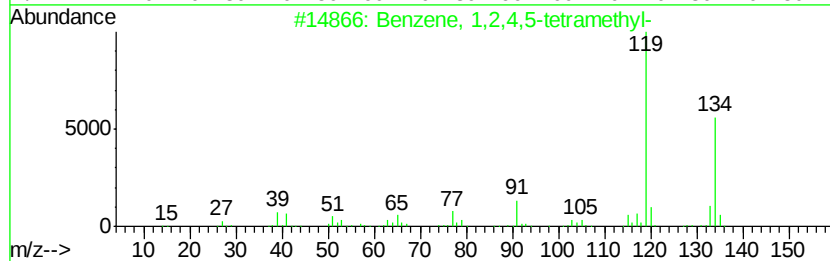
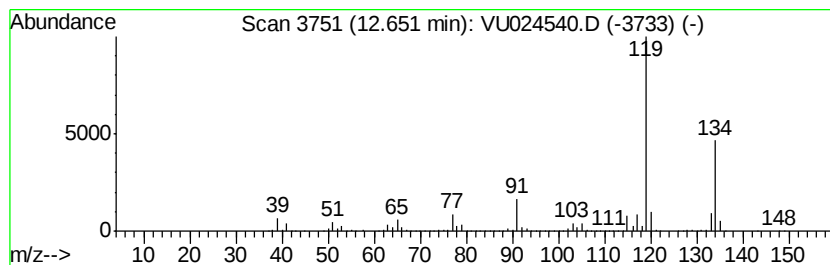
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 5

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 12.65 | 233.91 ug/l | 5424540 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 97   |
| 2    |    | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 97   |
| 3    |    | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 95   |
| 4    |    | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 95   |
| 5    |    | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 94   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061418\  
Data File : VU024540.D  
Acq On : 14 Jun 2018 15:21  
Operator : MD/SY  
Sample : J3443-03  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
T3-MW-2-9.0-061118

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
Quant Title : SW846 8260

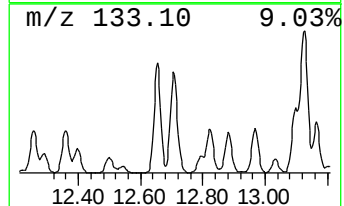
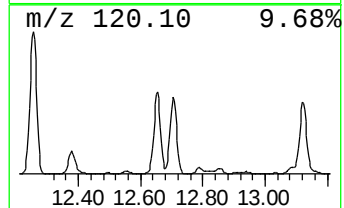
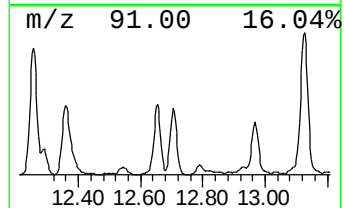
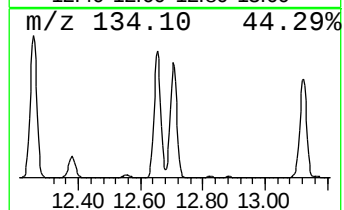
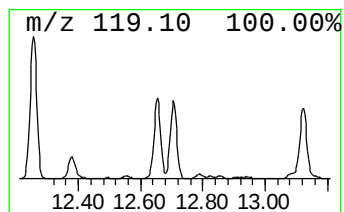
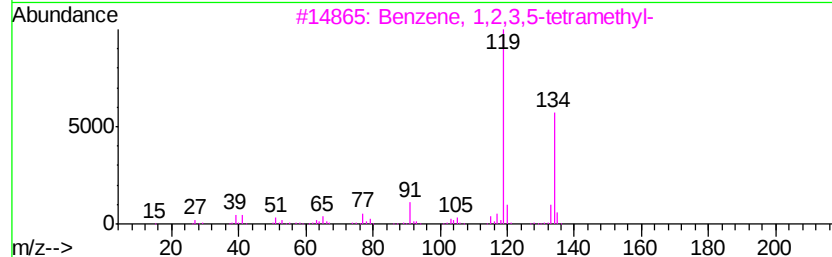
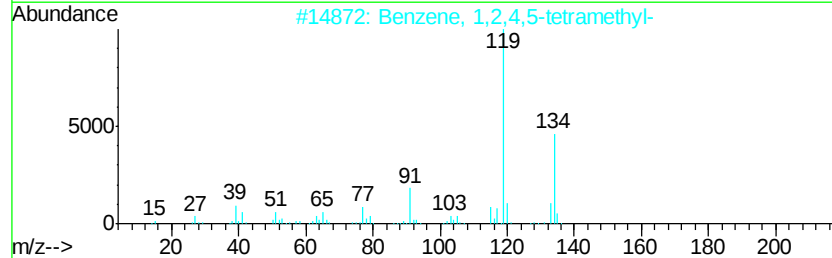
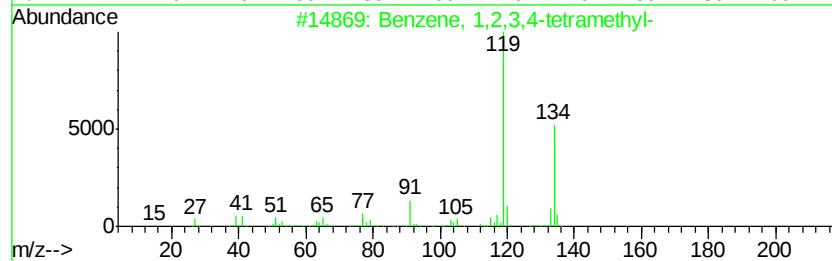
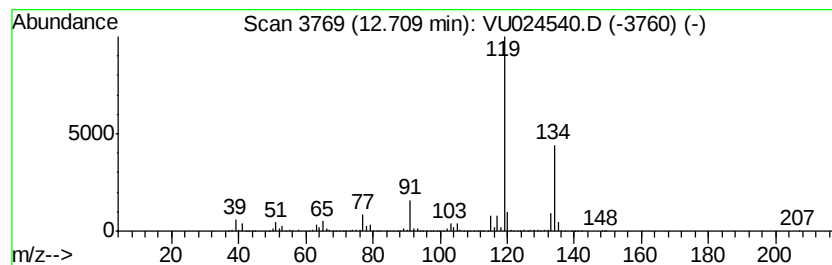
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 7

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 12.71 | 214.68 ug/l | 4978560 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 97   |
| 2    |    | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 97   |
| 3    |    | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 95   |
| 4    |    | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 95   |
| 5    |    | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 94   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061418\  
Data File : VU024540.D  
Acq On : 14 Jun 2018 15:21  
Operator : MD/SY  
Sample : J3443-03  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
T3-MW-2-9.0-061118

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
Quant Title : SW846 8260

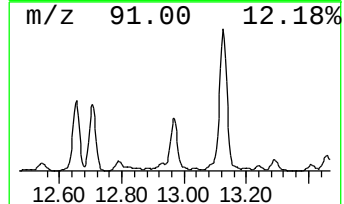
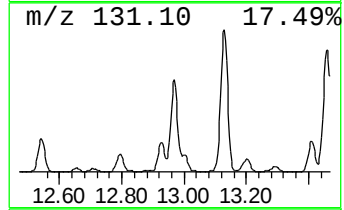
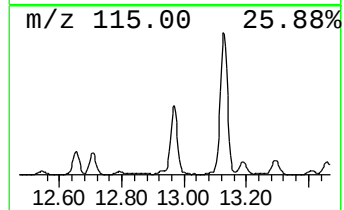
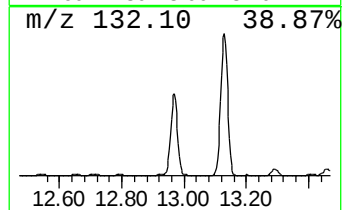
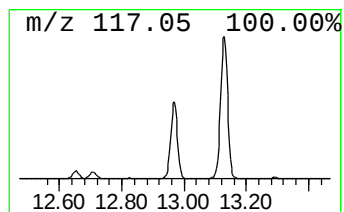
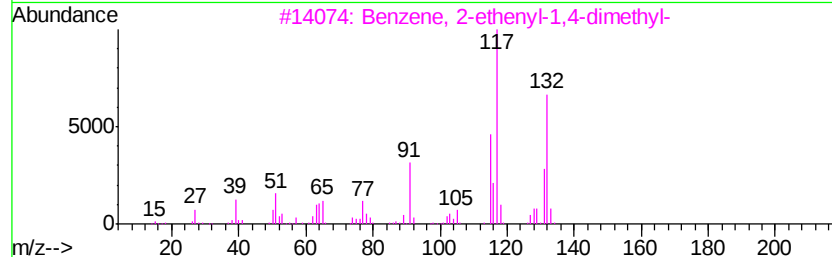
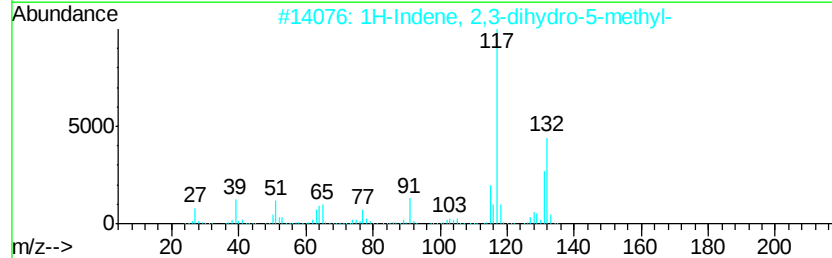
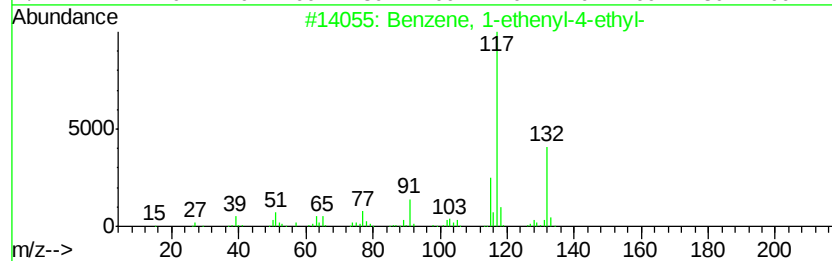
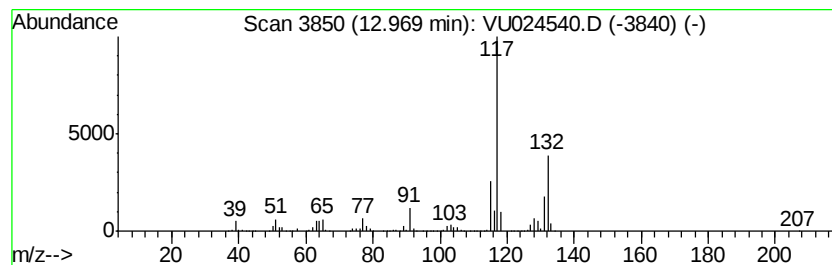
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 6

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 12.97 | 232.60 ug/l | 5394140 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethenyl-4-ethyl-      | 132 | C10H12  | 003454-07-7 | 94   |
| 2    |    | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12  | 000874-35-1 | 93   |
| 3    |    | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 92   |
| 4    |    | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 90   |
| 5    |    | Benzene, 1-ethenyl-3-ethyl-      | 132 | C10H12  | 007525-62-4 | 90   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061418\  
Data File : VU024540.D  
Acq On : 14 Jun 2018 15:21  
Operator : MD/SY  
Sample : J3443-03  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
T3-MW-2-9.0-061118

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
Quant Title : SW846 8260

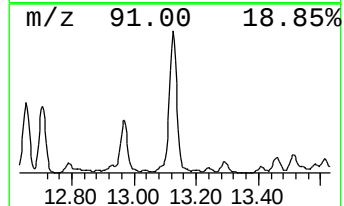
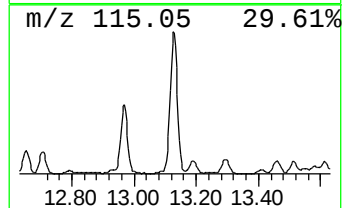
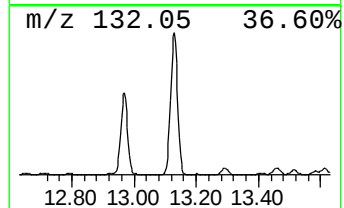
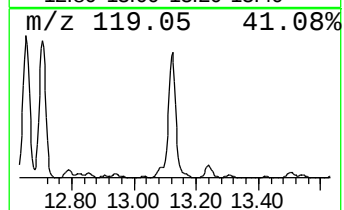
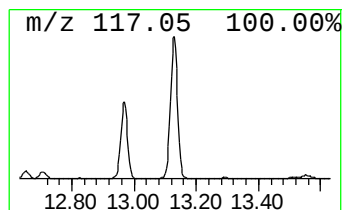
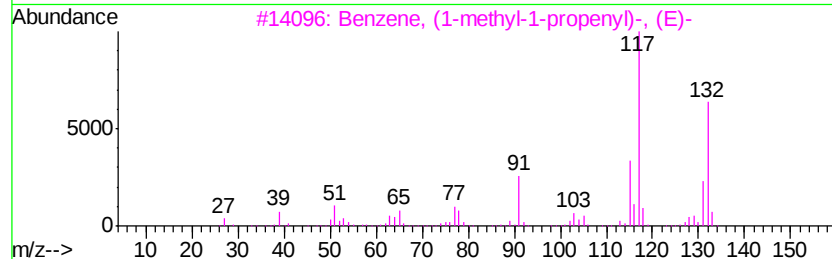
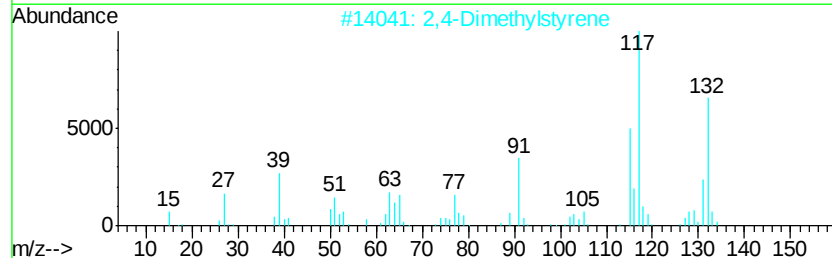
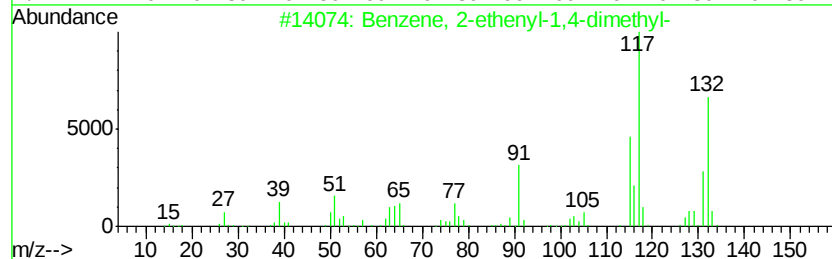
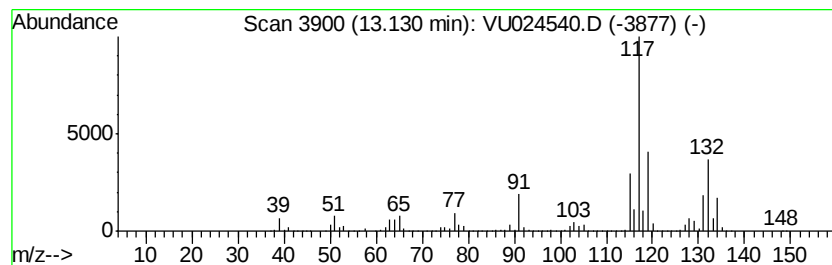
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 1

| R.T.  | EstConc     | Area     | Relative to ISTD       | R.T.  |
|-------|-------------|----------|------------------------|-------|
| 13.13 | 640.19 ug/l | 14846300 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 2-ethenyl-1,4-dimethyl-    | 132 | C10H12  | 002039-89-6 | 95   |
| 2    |    | 2,4-Dimethylstyrene                 | 132 | C10H12  | 002234-20-0 | 90   |
| 3    |    | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 86   |
| 4    |    | Benzene, 2-butenyl-                 | 132 | C10H12  | 001560-06-1 | 70   |
| 5    |    | 1-Phenyl-1-butene                   | 132 | C10H12  | 000824-90-8 | 70   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU061418\  
Data File : VU024540.D  
Acq On : 14 Jun 2018 15:21  
Operator : MD/SY  
Sample : J3443-03  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
T3-MW-2-9.0-061118

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.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 |
| Cyclobutane, (1-m... | 7.07  | 49.9    | ug/l  | 704410   | 2                     | 5.89  | 705535  | 50.0 |
| Benzene, 2-propenyl- | 11.77 | 323.4   | ug/l  | 7499720  | 4                     | 11.49 | 1159530 | 50.0 |
| Benzene, 1,3-diet... | 11.87 | 114.4   | ug/l  | 2652640  | 4                     | 11.49 | 1159530 | 50.0 |
| Benzene, 2-ethyl-... | 12.15 | 87.2    | ug/l  | 2021270  | 4                     | 11.49 | 1159530 | 50.0 |
| o-Cymene             | 12.26 | 379.9   | ug/l  | 8808790  | 4                     | 11.49 | 1159530 | 50.0 |
| Benzene, (2-methy... | 12.36 | 321.7   | ug/l  | 7459990  | 4                     | 11.49 | 1159530 | 50.0 |
| Benzene, 1,2,4,5-... | 12.65 | 233.9   | ug/l  | 5424540  | 4                     | 11.49 | 1159530 | 50.0 |
| Benzene, 1,2,3,4-... | 12.71 | 214.7   | ug/l  | 4978560  | 4                     | 11.49 | 1159530 | 50.0 |
| Benzene, 1-etheny... | 12.97 | 232.6   | ug/l  | 5394140  | 4                     | 11.49 | 1159530 | 50.0 |
| Benzene, 2-etheny... | 13.13 | 640.2   | ug/l  | 14846300 | 4                     | 11.49 | 1159530 | 50.0 |