

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050620\  
 Data File : VV015921.D  
 Acq On : 06 May 2020 19:37  
 Operator : SY/MD  
 Sample : L2527-10  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFSJ7

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.1

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR050520WMA.M

Title : TRACE VOA SOM01.0

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.113       | 3             | 7           | 16           | rVB      | 52328          | 48294         | 9.27%           | 0.935%        |
| 2         | 1.315       | 61            | 70          | 81           | rVB      | 72450          | 76557         | 14.69%          | 1.482%        |
| 3         | 1.579       | 143           | 152         | 163          | rBV      | 64834          | 76555         | 14.69%          | 1.481%        |
| 4         | 2.122       | 309           | 321         | 341          | rBV      | 117586         | 175274        | 33.63%          | 3.392%        |
| 5         | 2.782       | 515           | 526         | 550          | rVB2     | 8279           | 20605         | 3.95%           | 0.399%        |
| 6         | 3.061       | 599           | 613         | 629          | rVB5     | 9825           | 20966         | 4.02%           | 0.406%        |
| 7         | 3.791       | 821           | 840         | 856          | rVB5     | 6463           | 17324         | 3.32%           | 0.335%        |
| 8         | 3.933       | 868           | 884         | 920          | rBV2     | 62466          | 273865        | 52.55%          | 5.300%        |
| 9         | 4.106       | 927           | 938         | 967          | rVB2     | 55328          | 150580        | 28.89%          | 2.914%        |
| 10        | 4.380       | 1006          | 1023        | 1050         | rBV2     | 95984          | 268528        | 51.53%          | 5.196%        |
| 11        | 4.704       | 1111          | 1124        | 1138         | rBV5     | 7081           | 16896         | 3.24%           | 0.327%        |
| 12        | 5.074       | 1221          | 1239        | 1265         | rBV2     | 208125         | 517062        | 99.22%          | 10.006%       |
| 13        | 5.643       | 1400          | 1416        | 1441         | rBV      | 185870         | 380547        | 73.02%          | 7.364%        |
| 14        | 5.942       | 1497          | 1509        | 1525         | rBV4     | 23957          | 50970         | 9.78%           | 0.986%        |
| 15        | 6.097       | 1543          | 1557        | 1578         | rBV      | 124263         | 253796        | 48.70%          | 4.911%        |
| 16        | 6.492       | 1670          | 1680        | 1708         | rBV      | 49964          | 104977        | 20.14%          | 2.031%        |
| 17        | 7.010       | 1830          | 1841        | 1857         | rBV      | 57046          | 103708        | 19.90%          | 2.007%        |
| 18        | 7.338       | 1930          | 1943        | 1966         | rBV      | 250976         | 440451        | 84.52%          | 8.523%        |
| 19        | 7.646       | 2029          | 2039        | 2063         | rBV2     | 33102          | 59200         | 11.36%          | 1.146%        |
| 20        | 7.961       | 2125          | 2137        | 2141         | rBV2     | 8156           | 12995         | 2.49%           | 0.251%        |
| 21        | 7.997       | 2141          | 2148        | 2161         | rVB3     | 19518          | 34531         | 6.63%           | 0.668%        |
| 22        | 8.113       | 2174          | 2184        | 2222         | rBV      | 264446         | 521142        | 100.00%         | 10.085%       |
| 23        | 8.875       | 2408          | 2421        | 2443         | rBV      | 291339         | 475827        | 91.30%          | 9.208%        |
| 24        | 10.238      | 2833          | 2845        | 2864         | rBV2     | 79038          | 128119        | 24.58%          | 2.479%        |
| 25        | 10.402      | 2885          | 2896        | 2905         | rBV2     | 11925          | 19050         | 3.66%           | 0.369%        |
| 26        | 11.270      | 3155          | 3166        | 3187         | rBV      | 295968         | 461963        | 88.64%          | 8.940%        |
| 27        | 11.563      | 3243          | 3257        | 3268         | rBV5     | 3805           | 8121          | 1.56%           | 0.157%        |
| 28        | 11.646      | 3272          | 3283        | 3306         | rVB      | 249215         | 394048        | 75.61%          | 7.625%        |
| 29        | 12.270      | 3467          | 3477        | 3488         | rBV      | 4334           | 6819          | 1.31%           | 0.132%        |
| 30        | 16.736      | 4856          | 4866        | 4875         | rBV      | 32374          | 48748         | 9.35%           | 0.943%        |

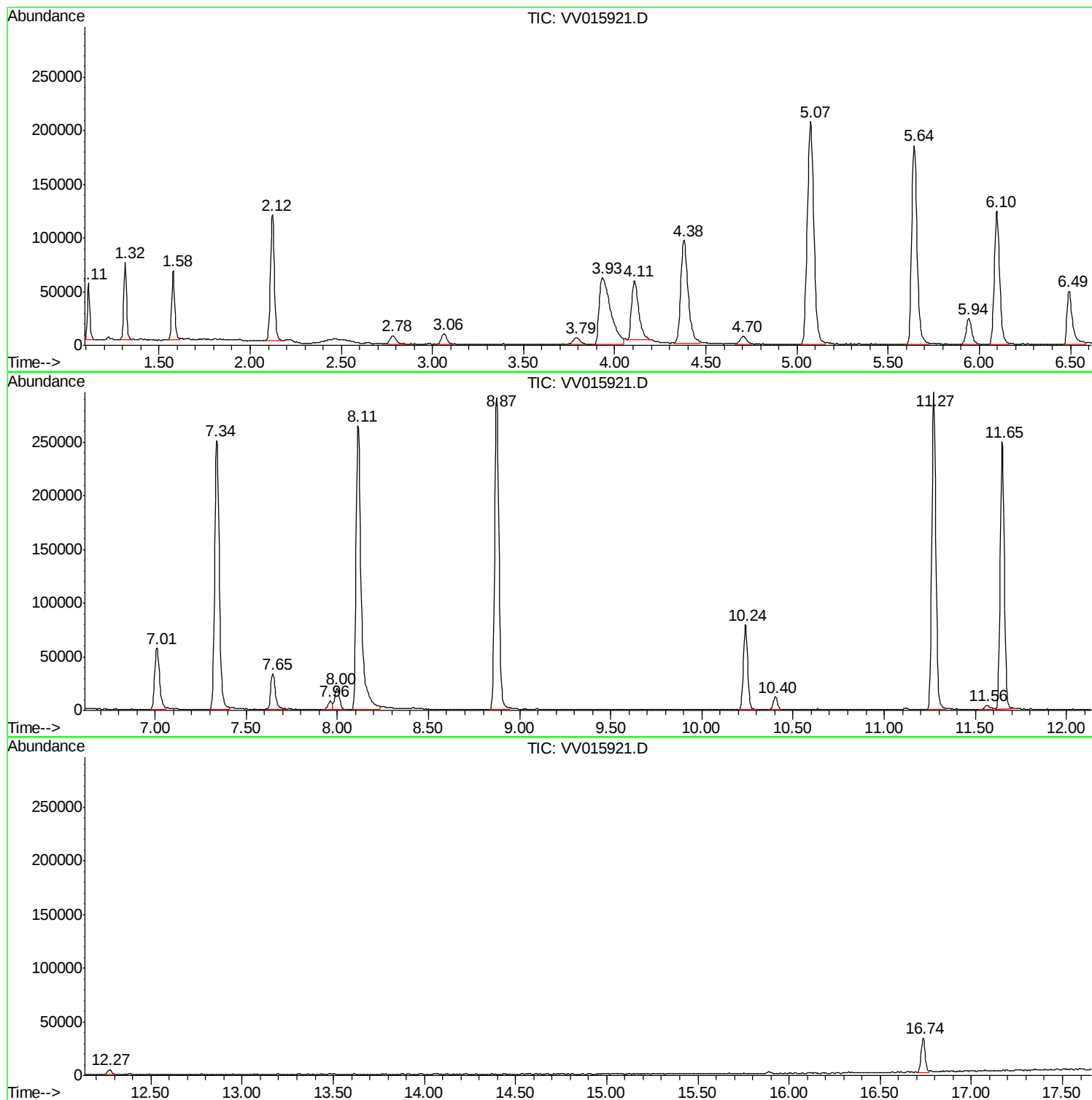
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ClientSampleId :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR050520WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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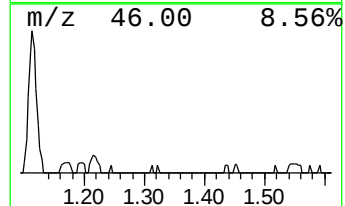
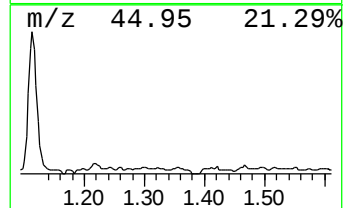
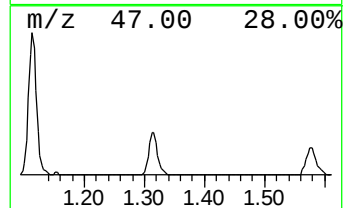
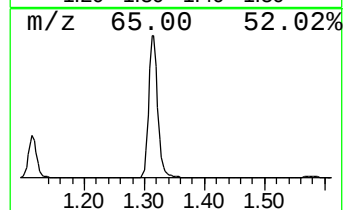
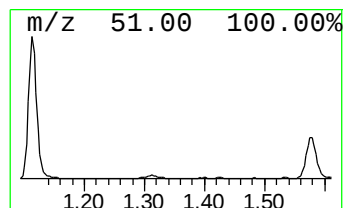
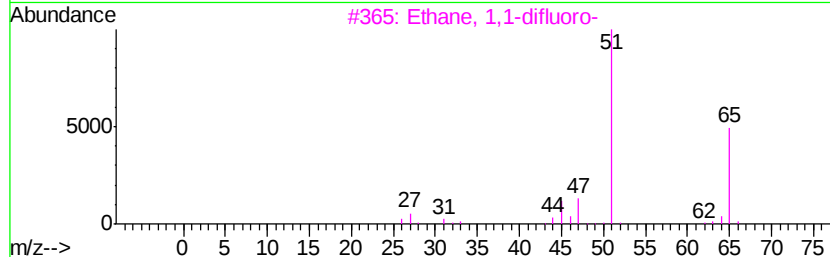
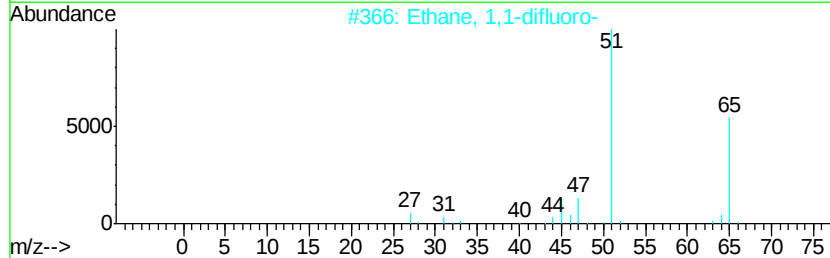
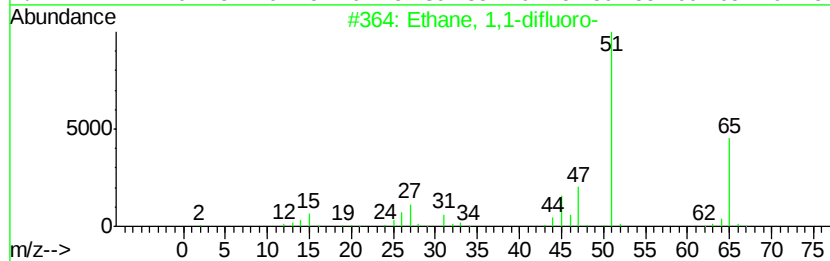
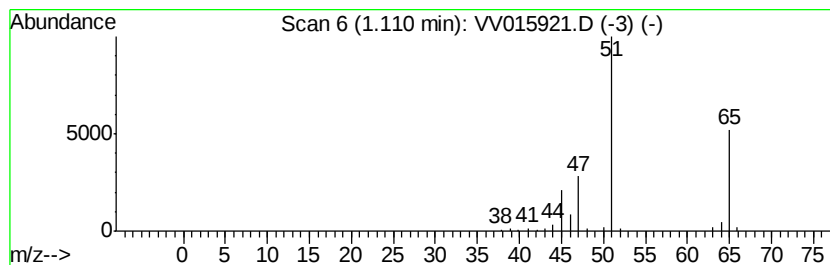
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR050520WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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Peak Number 1 Ethane, 1,1-difluoro- Concentration Rank 4

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 1.11 | 0.63 ug/L | 48294 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | 5 | Tentative ID           | MW | MolForm | CAS#        | Qual |
|------|----|---|------------------------|----|---------|-------------|------|
| 1    |    |   | Ethane, 1,1-difluoro-  | 66 | C2H4F2  | 000075-37-6 | 91   |
| 2    |    |   | Ethane, 1,1-difluoro-  | 66 | C2H4F2  | 000075-37-6 | 90   |
| 3    |    |   | Ethane, 1,1-difluoro-  | 66 | C2H4F2  | 000075-37-6 | 83   |
| 4    |    |   | Propiolonitrile        | 51 | C3HN    | 001070-71-9 | 3    |
| 5    |    |   | Propane, 2,2-difluoro- | 80 | C3H6F2  | 000420-45-1 | 2    |



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR050520WMA.M  
 Quant Title : TRACE VOA SOM01.0

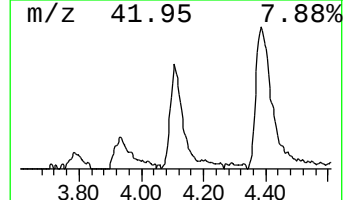
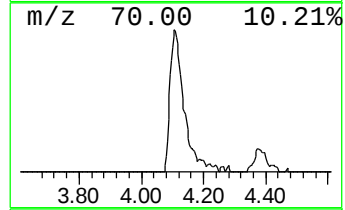
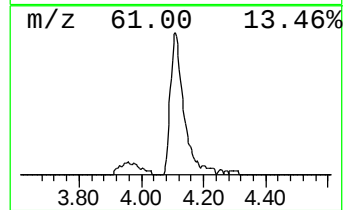
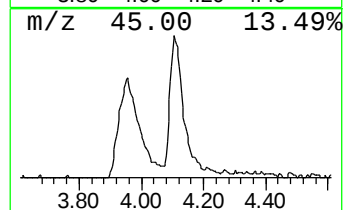
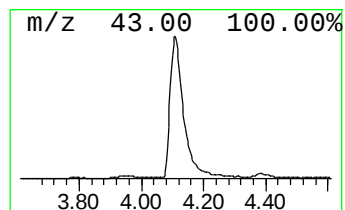
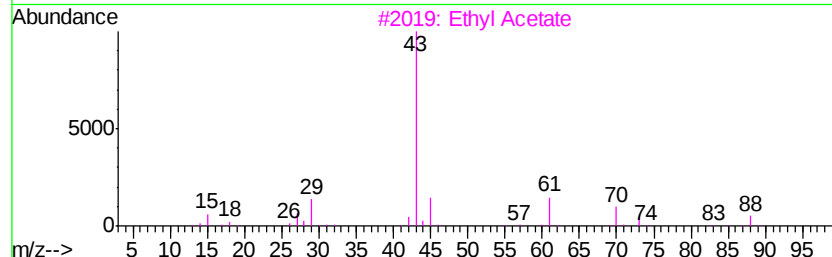
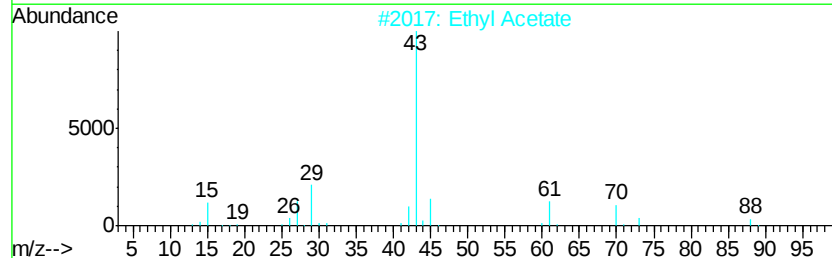
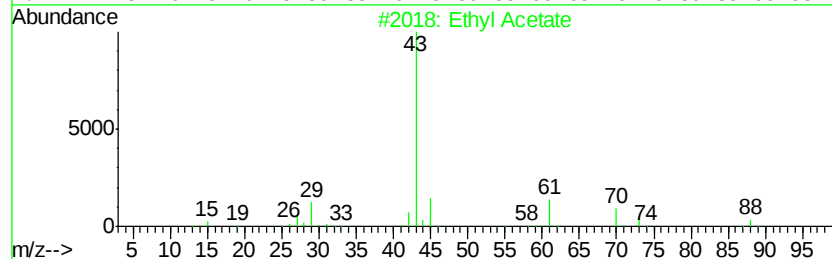
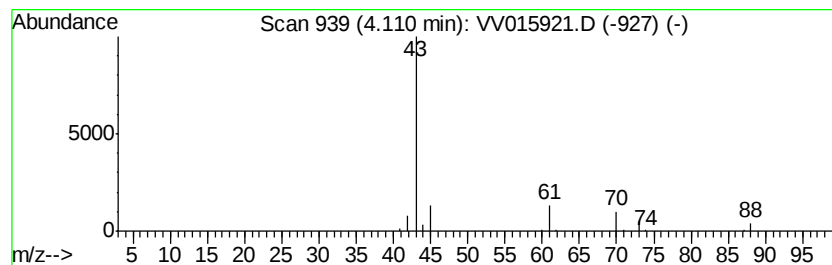
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 2 Ethyl Acetate Concentration Rank 1

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 4.11 | 1.98 ug/L | 150580 | 1,4-Difluorobenzene | 5.64 |

| Hit# of | 5               | Tentative ID | MW | MolForm | CAS#        | Qual |
|---------|-----------------|--------------|----|---------|-------------|------|
| 1       | Ethyl Acetate   |              | 88 | C4H8O2  | 000141-78-6 | 86   |
| 2       | Ethyl Acetate   |              | 88 | C4H8O2  | 000141-78-6 | 86   |
| 3       | Ethyl Acetate   |              | 88 | C4H8O2  | 000141-78-6 | 86   |
| 4       | Ethyl Acetate   |              | 88 | C4H8O2  | 000141-78-6 | 59   |
| 5       | CH3C(O)CH2CH2OH |              | 88 | C4H8O2  | 000590-90-9 | 59   |



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MSVOA\_V  
ClientSampleId :  
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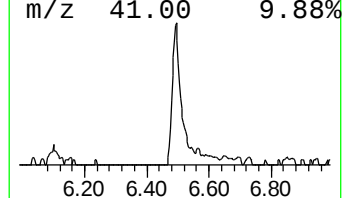
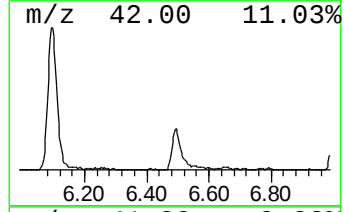
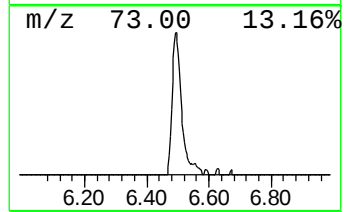
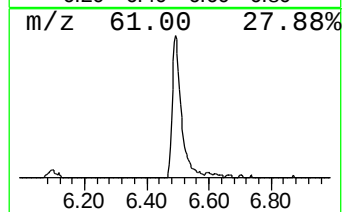
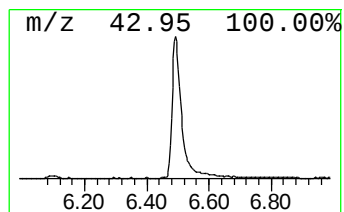
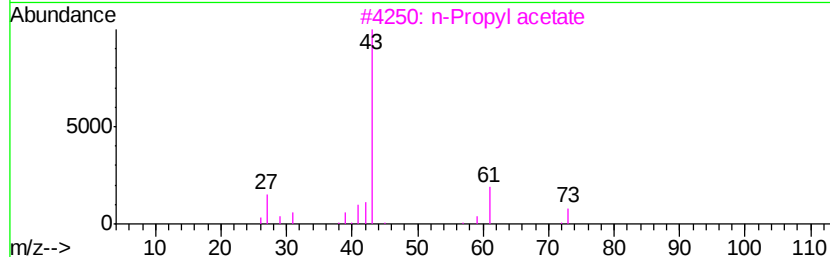
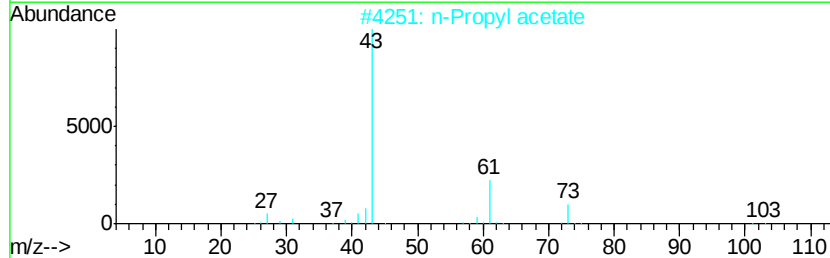
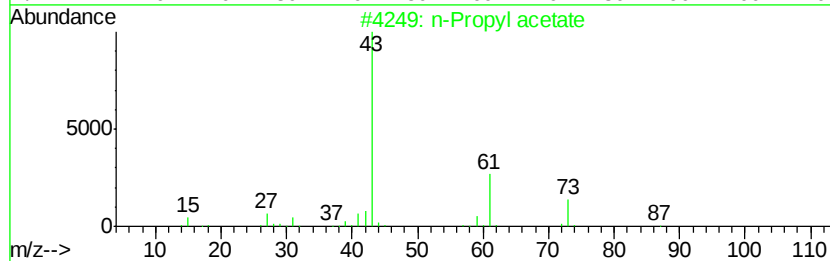
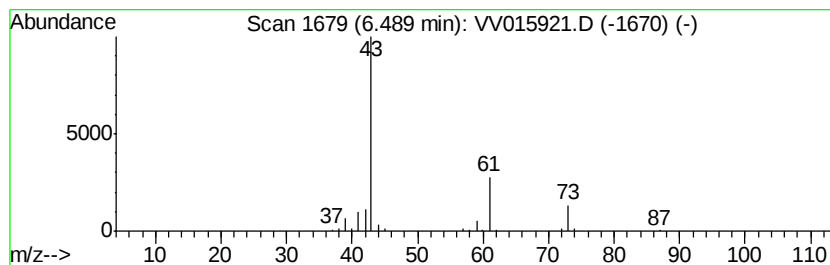
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR050520WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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Peak Number 3 n-Propyl acetate Concentration Rank 2

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 6.49 | 1.38 ug/L | 104977 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | 5 | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------|-----|---------|-------------|------|
| 1    |    |   | n-Propyl acetate  | 102 | C5H10O2 | 000109-60-4 | 83   |
| 2    |    |   | n-Propyl acetate  | 102 | C5H10O2 | 000109-60-4 | 78   |
| 3    |    |   | n-Propyl acetate  | 102 | C5H10O2 | 000109-60-4 | 72   |
| 4    |    |   | Isopropyl acetate | 102 | C5H10O2 | 000108-21-4 | 38   |
| 5    |    |   | Isopropyl acetate | 102 | C5H10O2 | 000108-21-4 | 36   |



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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR050520WMA.M  
Quant Title : TRACE VOA SOM01.0

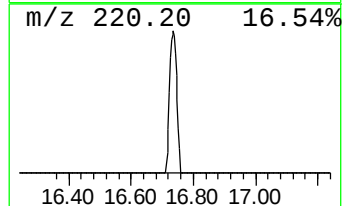
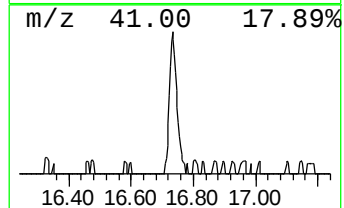
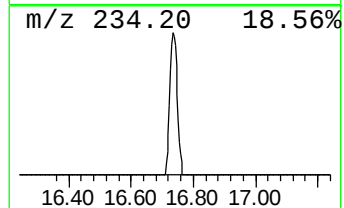
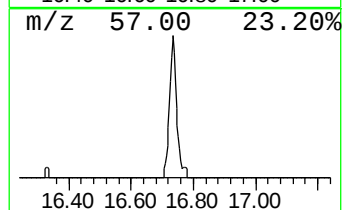
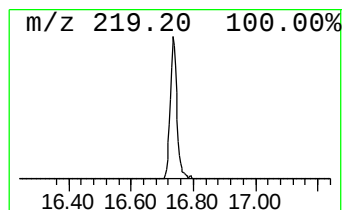
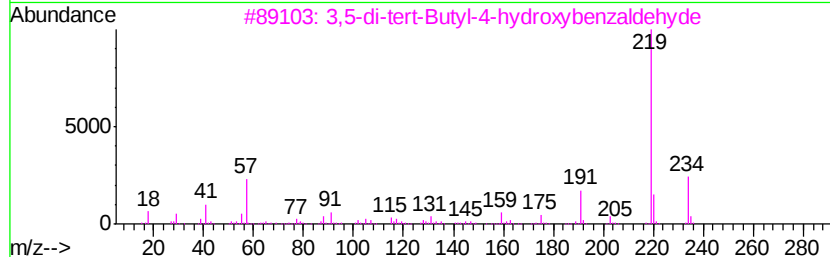
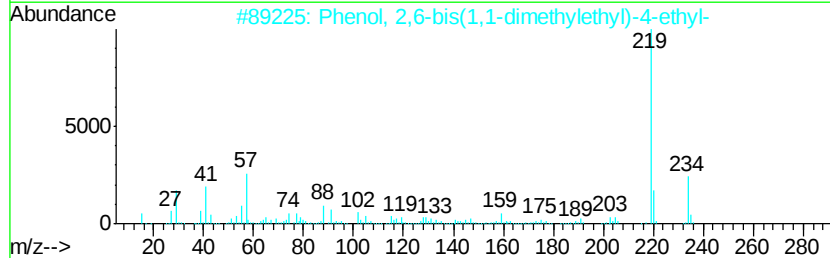
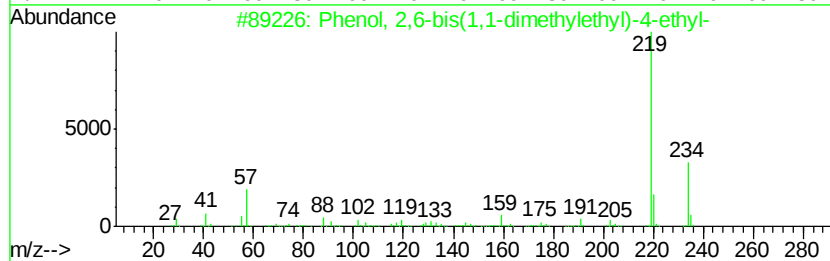
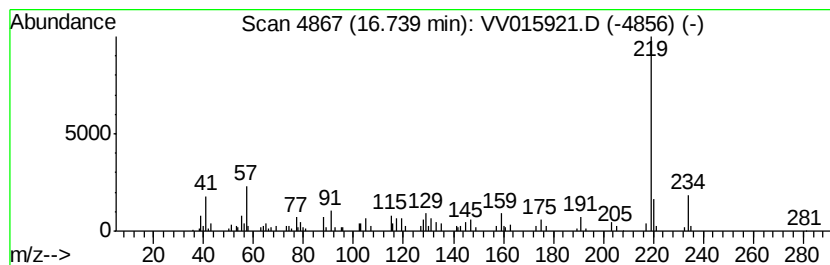
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Peak Number 5 Phenol, 2,6-bis(1,1-dimethy... Concentration Rank 5

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 16.74 | 0.53 ug/L | 48748 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Phenol, 2,6-bis(1,1-dimethylethy... | 234 | C16H26O  | 004130-42-1  | 93   |
| 2    |    | Phenol, 2,6-bis(1,1-dimethylethy... | 234 | C16H26O  | 004130-42-1  | 90   |
| 3    |    | 3,5-di-tert-Butyl-4-hydroxybenza... | 234 | C15H22O2 | 001620-98-0  | 87   |
| 4    |    | 4-tert-Butyl-2,6-diisopropylphenol  | 234 | C16H26O  | 057354-65-1  | 74   |
| 5    |    | 6-(1'-Hydroxyethyl)-7-methoxy-2,... | 234 | C14H18O3 | 1000360-28-8 | 72   |



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Quant Title : TRACE VOA SOM01.0

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Ethane, 1,1-diflu... | 1.11  | 0.6     | ug/L  | 48294    | 1                     | 5.64  | 380547 | 5.0  |
| Ethyl Acetate        | 4.11  | 2.0     | ug/L  | 150580   | 1                     | 5.64  | 380547 | 5.0  |
| n-Propyl acetate     | 6.49  | 1.4     | ug/L  | 104977   | 1                     | 5.64  | 380547 | 5.0  |
| Phenol, 2,6-bis(1... | 16.74 | 0.5     | ug/L  | 48748    | 3                     | 11.27 | 461963 | 5.0  |