

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062420\  
 Data File : VV017082.D  
 Acq On : 24 Jun 2020 19:29  
 Operator : SY/MD  
 Sample : L3105-06  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFXK9

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\SOMVTR061720WMA.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           | 17           | rVB      | 142083         | 132165        | 11.05%          | 2.120%        |
| 2         | 1.315       | 63            | 70          | 83           | rVB      | 68216          | 79619         | 6.66%           | 1.277%        |
| 3         | 1.579       | 145           | 152         | 162          | rBV      | 54442          | 62693         | 5.24%           | 1.006%        |
| 4         | 2.126       | 312           | 322         | 333          | rBV      | 114521         | 167309        | 13.99%          | 2.684%        |
| 5         | 3.936       | 871           | 885         | 916          | rBV3     | 64517          | 251237        | 21.01%          | 4.030%        |
| 6         | 4.103       | 923           | 937         | 968          | rVB      | 451851         | 1195853       | 100.00%         | 19.183%       |
| 7         | 4.379       | 1005          | 1023        | 1050         | rVB3     | 111629         | 323591        | 27.06%          | 5.191%        |
| 8         | 4.701       | 1108          | 1123        | 1134         | rBV7     | 10501          | 25553         | 2.14%           | 0.410%        |
| 9         | 5.074       | 1223          | 1239        | 1264         | rBV2     | 227548         | 554971        | 46.41%          | 8.903%        |
| 10        | 5.643       | 1403          | 1416        | 1441         | rBV      | 197110         | 398629        | 33.33%          | 6.395%        |
| 11        | 6.096       | 1543          | 1557        | 1580         | rBV      | 131320         | 267095        | 22.34%          | 4.285%        |
| 12        | 7.010       | 1829          | 1841        | 1854         | rBV2     | 65633          | 121178        | 10.13%          | 1.944%        |
| 13        | 7.338       | 1932          | 1943        | 1961         | rBV      | 275627         | 477984        | 39.97%          | 7.668%        |
| 14        | 7.646       | 2026          | 2039        | 2054         | rBV2     | 40664          | 73027         | 6.11%           | 1.171%        |
| 15        | 8.109       | 2169          | 2183        | 2200         | rBV      | 271903         | 458894        | 38.37%          | 7.361%        |
| 16        | 8.325       | 2241          | 2250        | 2266         | rVB3     | 21116          | 37403         | 3.13%           | 0.600%        |
| 17        | 8.874       | 2410          | 2421        | 2435         | rBV      | 298823         | 488283        | 40.83%          | 7.833%        |
| 18        | 10.238      | 2835          | 2845        | 2857         | rBV2     | 92955          | 148653        | 12.43%          | 2.385%        |
| 19        | 11.270      | 3155          | 3166        | 3182         | rBV      | 283304         | 442803        | 37.03%          | 7.103%        |
| 20        | 11.646      | 3271          | 3283        | 3295         | rBV      | 284877         | 440173        | 36.81%          | 7.061%        |
| 21        | 16.736      | 4855          | 4866        | 4878         | rBV2     | 55561          | 86691         | 7.25%           | 1.391%        |

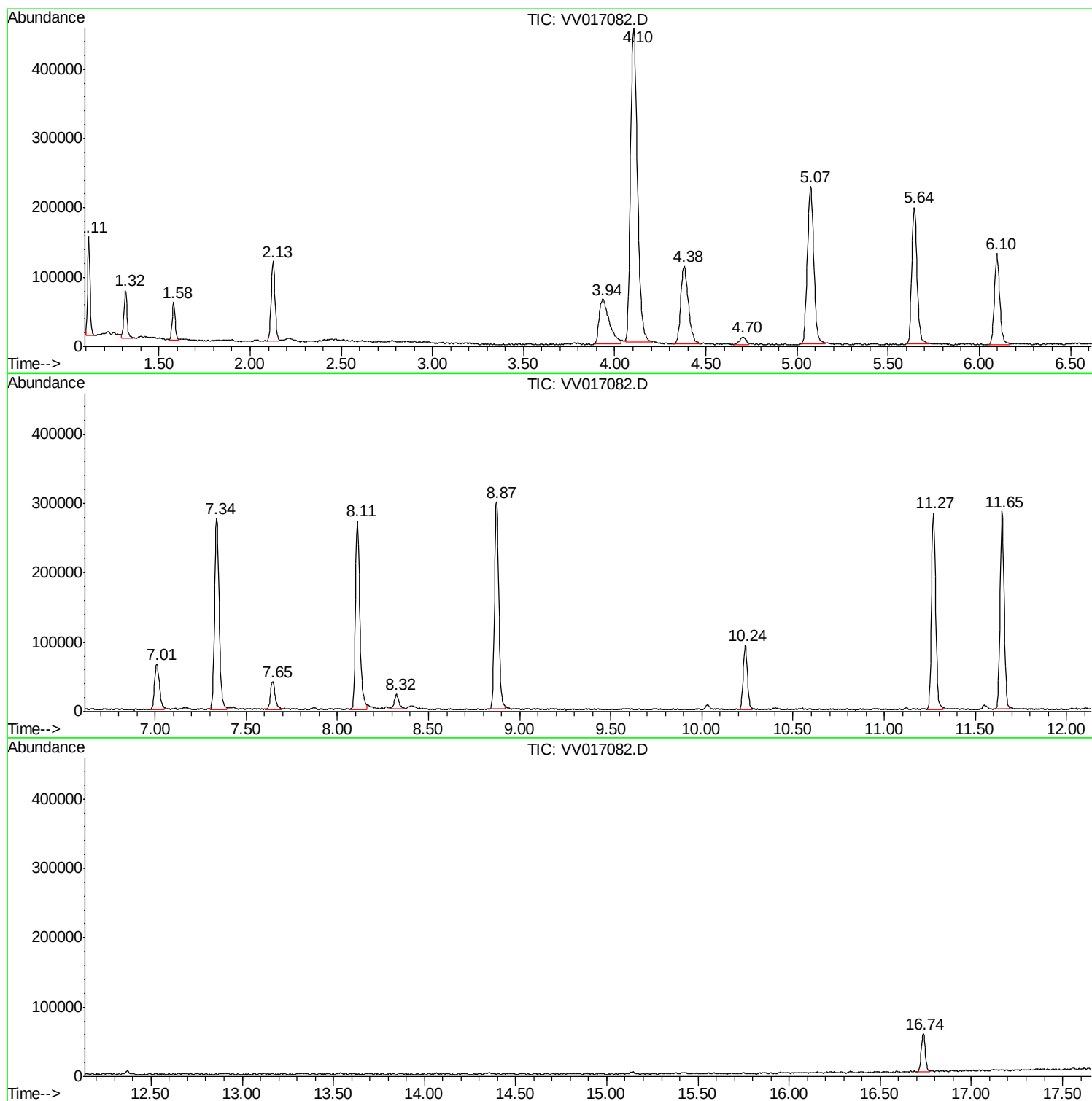
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Sample : L3105-06  
Misc : 25.0mL/MSVOA V/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFXK9

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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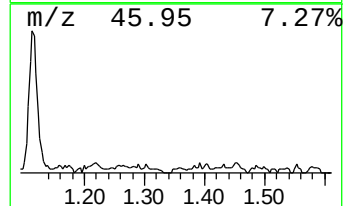
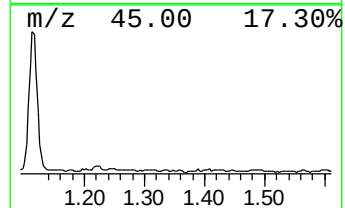
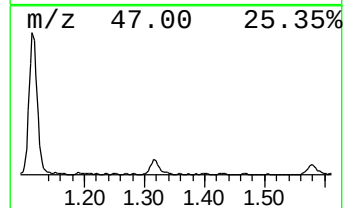
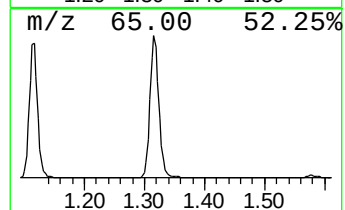
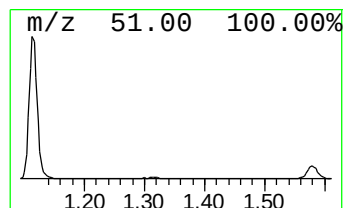
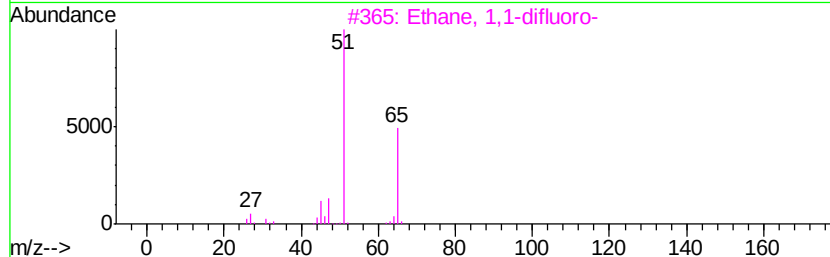
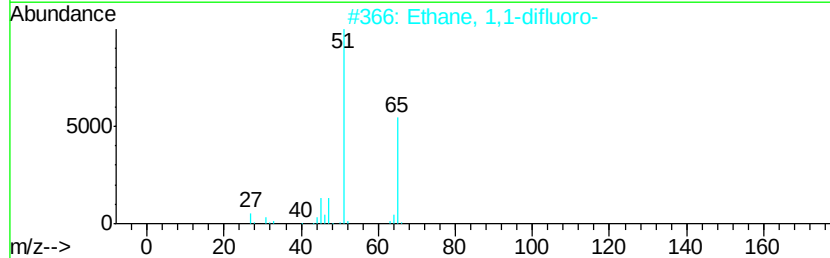
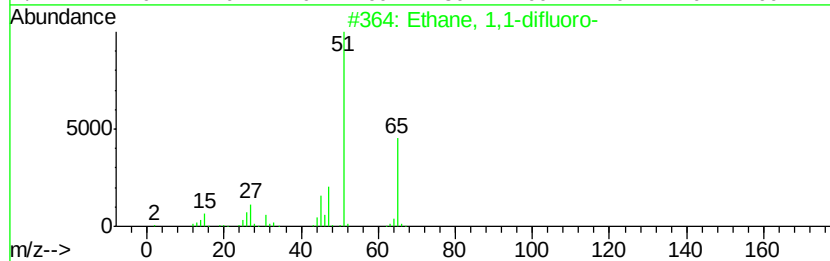
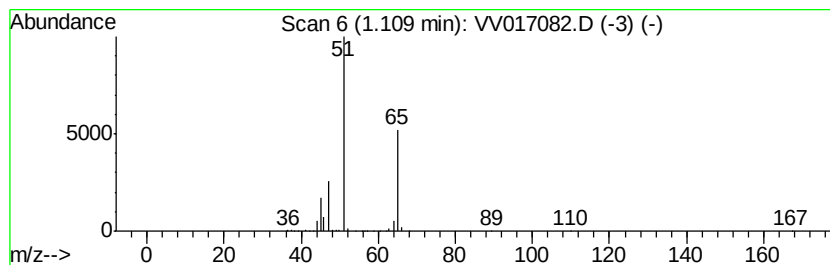
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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Peak Number 1 Ethane, 1,1-difluoro- Concentration Rank 2

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 1.11 | 1.66 ug/L | 132165 | 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 | 91   |
| 3    |    |   | Ethane, 1,1-difluoro-  | 66 | C2H4F2  | 000075-37-6 | 90   |
| 4    |    |   | Propane, 2,2-difluoro- | 80 | C3H6F2  | 000420-45-1 | 4    |
| 5    |    |   | Propiolonitrile        | 51 | C3HN    | 001070-71-9 | 3    |



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Quant Title : TRACE VOA SOM01.0

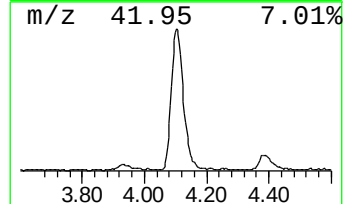
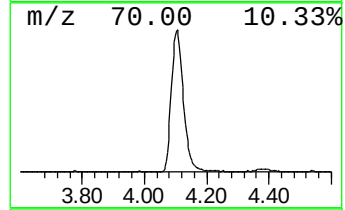
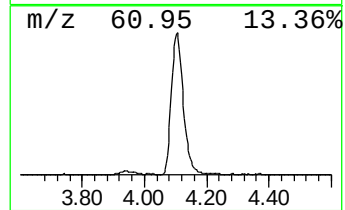
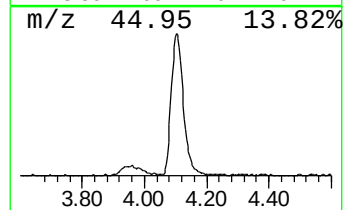
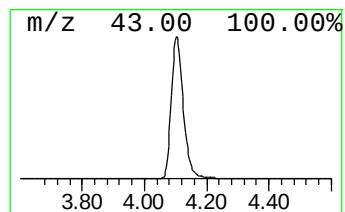
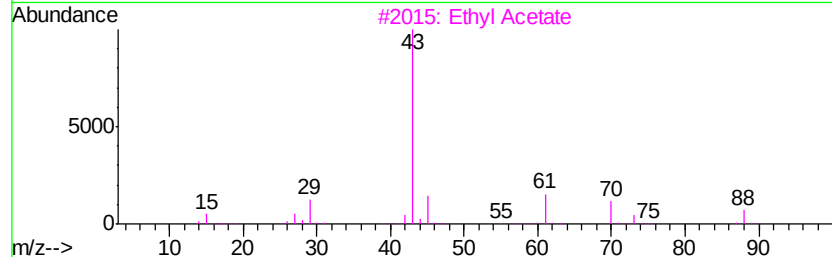
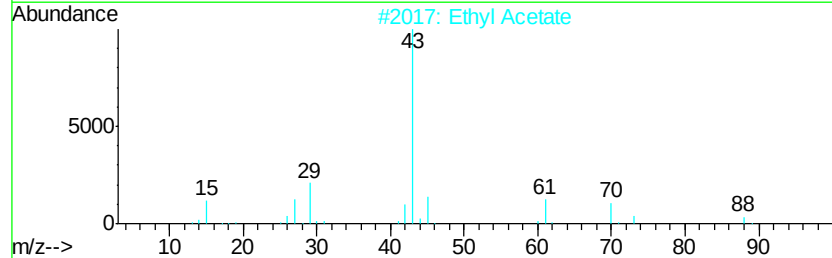
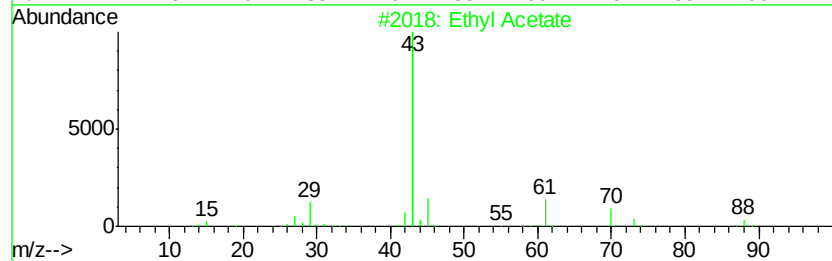
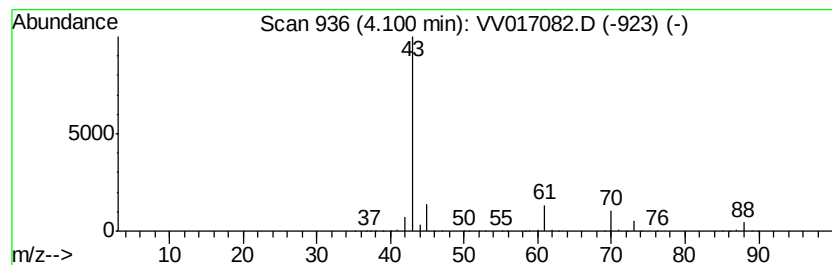
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Ethyl Acetate Concentration Rank 1

| R.T. | EstConc    | Area    | Relative to ISTD    | R.T. |
|------|------------|---------|---------------------|------|
| 4.10 | 15.00 ug/L | 1195850 | 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 | 86   |
| 5       | CH3C(O)CH2CH2OH |              | 88 | C4H8O2  | 000590-90-9 | 33   |



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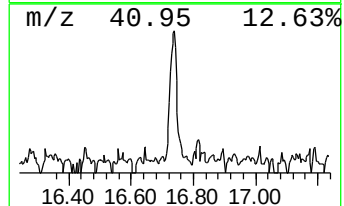
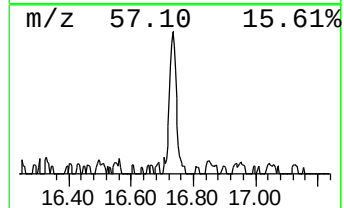
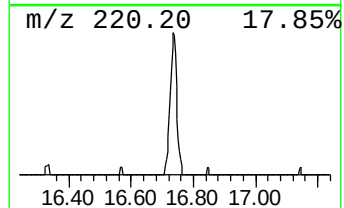
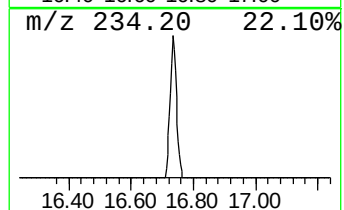
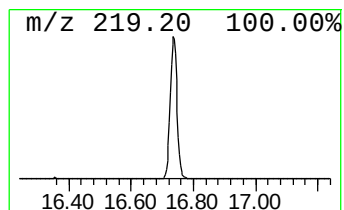
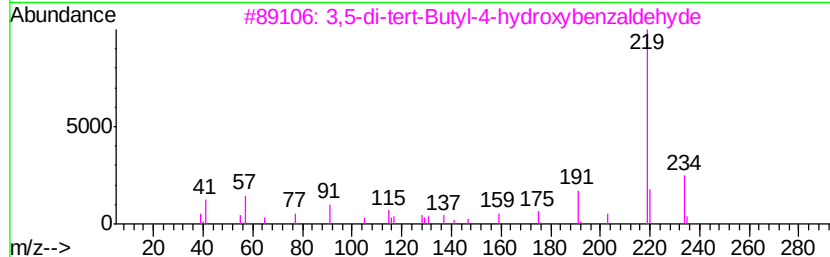
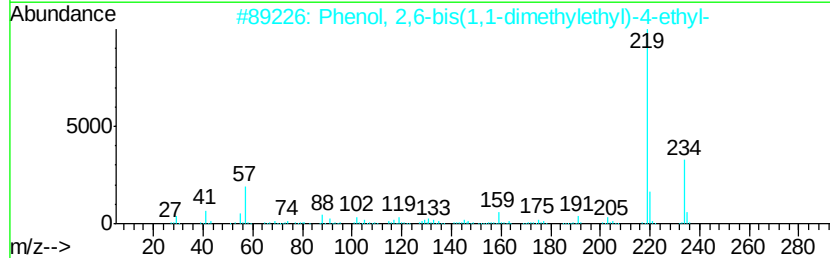
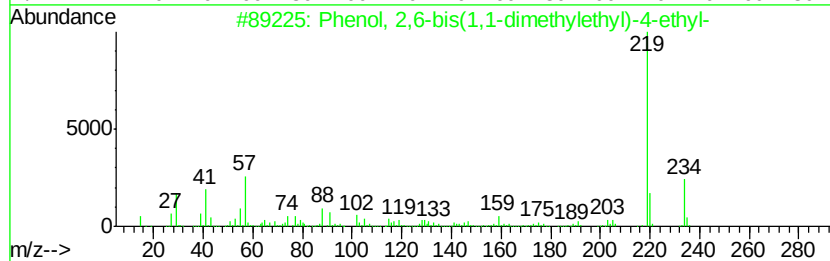
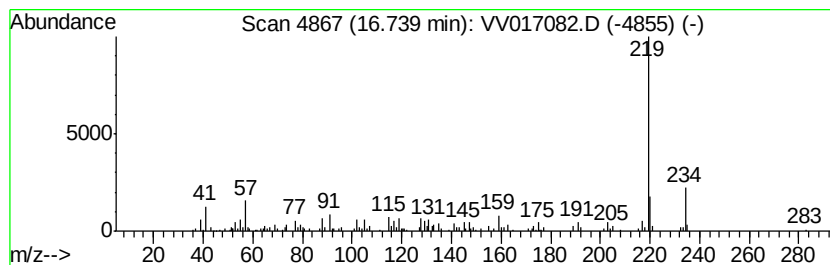
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Phenol, 2,6-bis(1,1-dimethy... Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 16.74 | 0.98 ug/L | 86691 | 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 | 94   |
| 2    |    | Phenol, 2,6-bis(1,1-dimethylethy... | 234 | C16H26O  | 004130-42-1 | 94   |
| 3    |    | 3,5-di-tert-Butyl-4-hydroxybenza... | 234 | C15H22O2 | 001620-98-0 | 93   |
| 4    |    | 3,5-di-tert-Butyl-4-hydroxybenza... | 234 | C15H22O2 | 001620-98-0 | 91   |
| 5    |    | 3,5-di-tert-Butyl-4-hydroxybenza... | 234 | C15H22O2 | 001620-98-0 | 91   |



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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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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  | 1.7     | ug/L  | 132165   | 1                     | 5.64  | 398629 | 5.0  |
| Ethyl Acetate        | 4.10  | 15.0    | ug/L  | 1195850  | 1                     | 5.64  | 398629 | 5.0  |
| Phenol, 2,6-bis(1... | 16.74 | 1.0     | ug/L  | 86691    | 3                     | 11.27 | 442803 | 5.0  |