

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092619\  
 Data File : VN058387.D  
 Acq On : 26 Sep 2019 15:42  
 Operator : JC/SP  
 Sample : K5049-07  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-8

## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091819W.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         | 1.799       | 3             | 8           | 27           | rVB      | 242029         | 360702        | 6.36%           | 1.712%        |
| 2         | 2.005       | 60            | 72          | 108          | rBV      | 2348384        | 5672423       | 100.00%         | 26.928%       |
| 3         | 2.426       | 188           | 203         | 208          | rBV4     | 44181          | 97849         | 1.72%           | 0.465%        |
| 4         | 3.854       | 619           | 647         | 675          | rBV4     | 24376          | 91544         | 1.61%           | 0.435%        |
| 5         | 5.018       | 982           | 1009        | 1040         | rVB3     | 257107         | 963299        | 16.98%          | 4.573%        |
| 6         | 7.570       | 1782          | 1803        | 1814         | rBV2     | 316989         | 799591        | 14.10%          | 3.796%        |
| 7         | 7.644       | 1814          | 1826        | 1851         | rVB      | 656495         | 1565529       | 27.60%          | 7.432%        |
| 8         | 8.008       | 1921          | 1939        | 1961         | rBV2     | 420825         | 1002682       | 17.68%          | 4.760%        |
| 9         | 8.169       | 1976          | 1989        | 1997         | rBV2     | 49025          | 118552        | 2.09%           | 0.563%        |
| 10        | 8.570       | 2097          | 2114        | 2137         | rBV      | 951263         | 2001272       | 35.28%          | 9.501%        |
| 11        | 10.085      | 2569          | 2585        | 2599         | rBV      | 1482500        | 2731270       | 48.15%          | 12.966%       |
| 12        | 10.149      | 2599          | 2605        | 2618         | rVB2     | 32496          | 61116         | 1.08%           | 0.290%        |
| 13        | 11.410      | 2980          | 2997        | 3017         | rBV      | 1207608        | 2122663       | 37.42%          | 10.077%       |
| 14        | 11.622      | 3048          | 3063        | 3074         | rBV2     | 33746          | 66247         | 1.17%           | 0.314%        |
| 15        | 11.956      | 3152          | 3167        | 3184         | rBV5     | 32891          | 78377         | 1.38%           | 0.372%        |
| 16        | 12.406      | 3293          | 3307        | 3325         | rBV      | 907197         | 1512595       | 26.67%          | 7.181%        |
| 17        | 13.352      | 3587          | 3601        | 3618         | rBV      | 1038755        | 1730666       | 30.51%          | 8.216%        |
| 18        | 15.136      | 4146          | 4156        | 4169         | rVB2     | 52501          | 88383         | 1.56%           | 0.420%        |

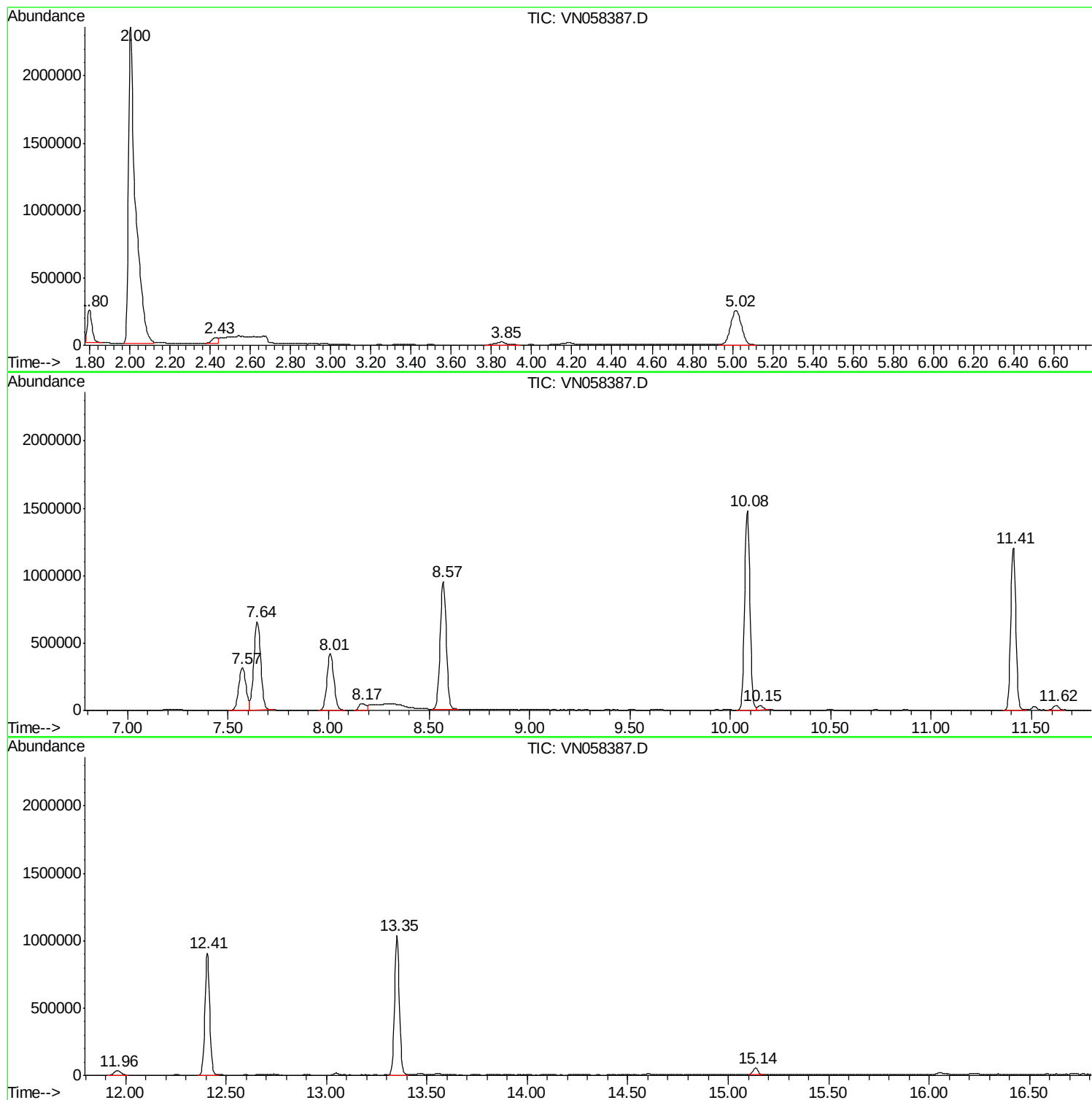
Sum of corrected areas: 21064760

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091819W.M  
Quant Title : SW846 8260

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



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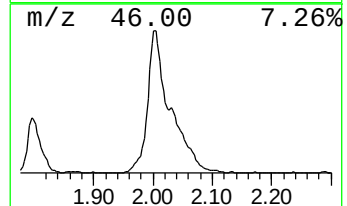
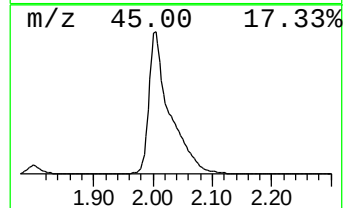
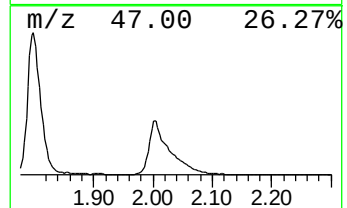
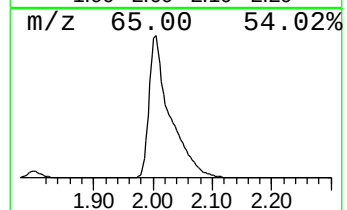
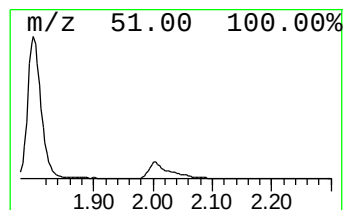
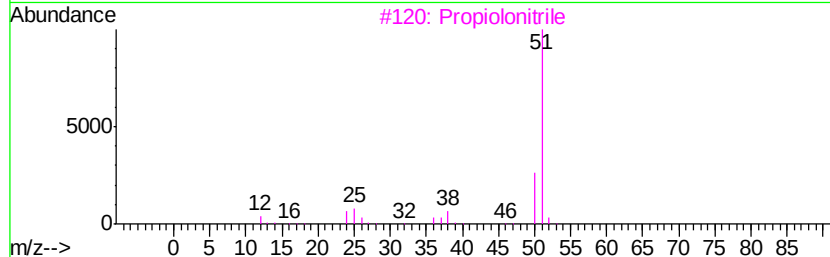
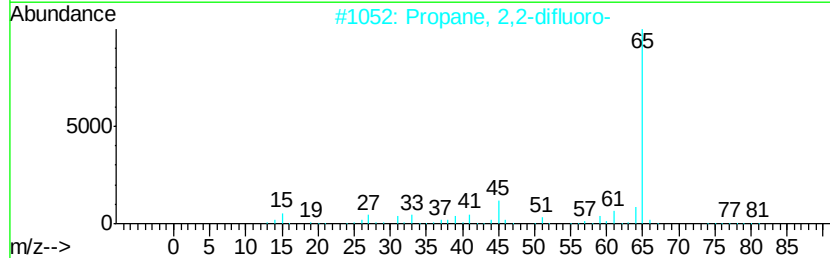
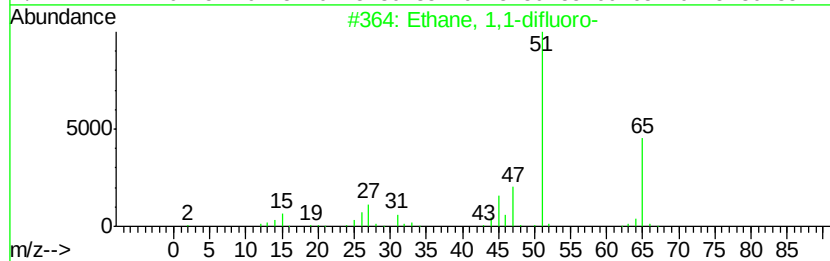
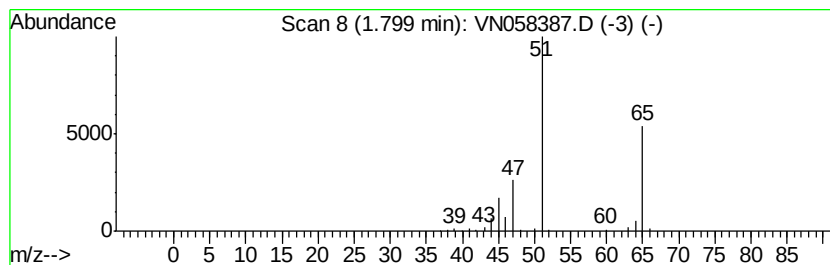
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091819W.M  
Quant Title : SW846 8260

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. |
|------|------------|--------|--------------------|------|
| 1.80 | 11.52 ug/l | 360702 | Pentafluorobenzene | 7.64 |

| Hit# | of | Tentative ID           | MW | MolForm | CAS#        | Qual |
|------|----|------------------------|----|---------|-------------|------|
| 1    | 5  | Ethane, 1,1-difluoro-  | 66 | C2H4F2  | 000075-37-6 | 91   |
| 2    |    | Propane, 2,2-difluoro- | 80 | C3H6F2  | 000420-45-1 | 4    |
| 3    |    | Propiolonitrile        | 51 | C3HN    | 001070-71-9 | 3    |
| 4    |    | Difluoromethane        | 52 | CH2F2   | 000075-10-5 | 1    |
| 5    |    | 2-Chloroethanol        | 80 | C2H5ClO | 000107-07-3 | 1    |



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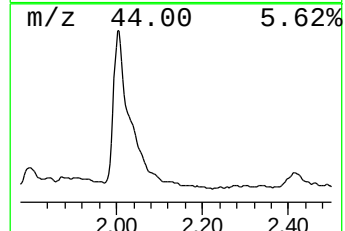
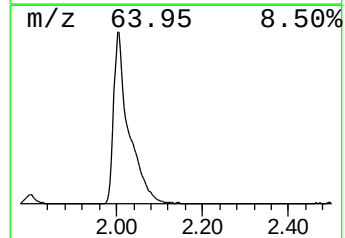
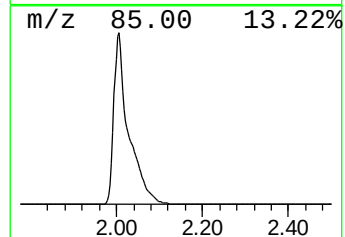
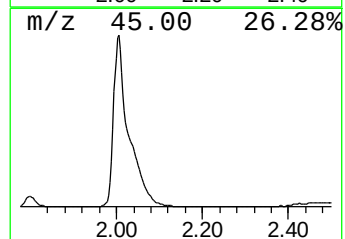
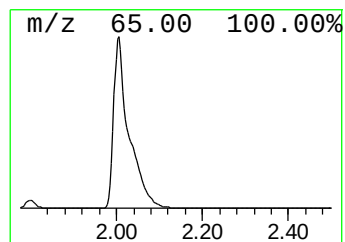
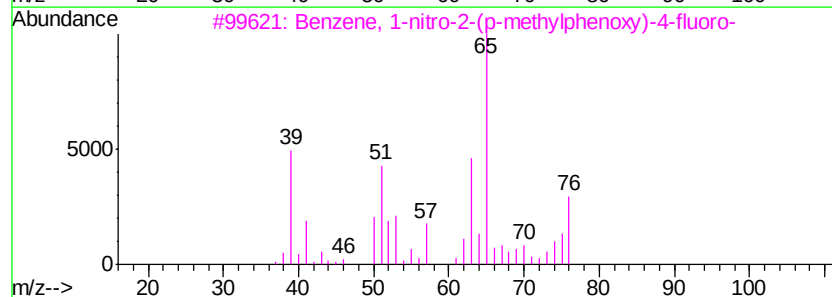
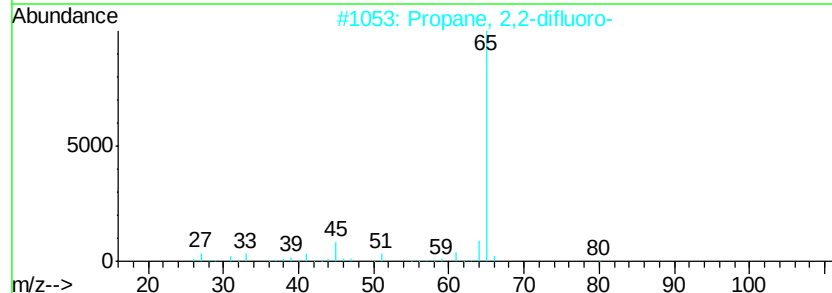
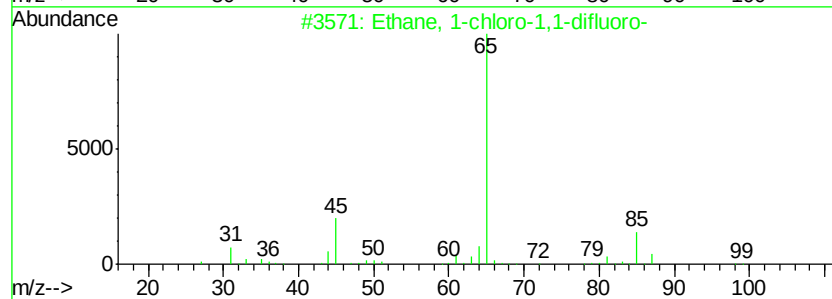
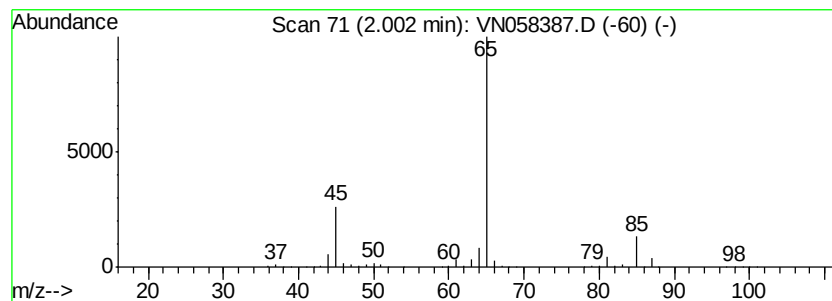
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TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc     | Area    | Relative to ISTD   | R.T. |
|------|-------------|---------|--------------------|------|
| 2.00 | 181.17 ug/l | 5672420 | Pentafluorobenzene | 7.64 |

| Hit# of | 3 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|---------|---|-------------------------------------|-----|------------|-------------|------|
| 1       |   | Ethane, 1-chloro-1,1-difluoro-      | 100 | C2H3ClF2   | 000075-68-3 | 83   |
| 2       |   | Propane, 2,2-difluoro-              | 80  | C3H6F2     | 000420-45-1 | 9    |
| 3       |   | Benzene, 1-nitro-2-(p-methylphen... | 247 | C13H10FN03 | 028987-57-7 | 1    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|----------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                      |      |         |       |          | #                     | RT   | Resp    | Conc |
| Ethane, 1,1-diflu... | 1.80 | 11.5    | ug/l  | 360702   | 1                     | 7.64 | 1565530 | 50.0 |
| Ethane, 1-chloro-... | 2.00 | 181.2   | ug/l  | 5672420  | 1                     | 7.64 | 1565530 | 50.0 |