

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081820\  
 Data File : VX017955.D  
 Acq On : 18 Aug 2020 11:31  
 Operator : JC/SP  
 Sample : L3697-05DL 20X  
 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BG0N2DL

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\_X\METHOD\SOMXTR080720WMA.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         | 1.386       | 46            | 49          | 55           | rBV      | 124008         | 116058        | 4.02%           | 0.700%        |
| 2         | 1.605       | 73            | 85          | 86           | rBV      | 33532          | 73905         | 2.56%           | 0.446%        |
| 3         | 1.678       | 93            | 97          | 106          | rVB      | 99275          | 143956        | 4.99%           | 0.868%        |
| 4         | 2.166       | 172           | 177         | 183          | rBV      | 62944          | 90849         | 3.15%           | 0.548%        |
| 5         | 2.337       | 200           | 205         | 215          | rVB      | 194894         | 325308        | 11.28%          | 1.962%        |
| 6         | 2.831       | 278           | 286         | 292          | rBV2     | 32521          | 58003         | 2.01%           | 0.350%        |
| 7         | 3.824       | 439           | 449         | 460          | rBV2     | 90193          | 238136        | 8.26%           | 1.436%        |
| 8         | 4.526       | 555           | 564         | 576          | rBV      | 163307         | 511126        | 17.72%          | 3.083%        |
| 9         | 4.660       | 576           | 586         | 595          | rVB2     | 27533          | 93120         | 3.23%           | 0.562%        |
| 10        | 5.135       | 651           | 664         | 675          | rBV2     | 148528         | 484687        | 16.81%          | 2.924%        |
| 11        | 6.037       | 801           | 812         | 817          | rBV3     | 325825         | 925865        | 32.11%          | 5.585%        |
| 12        | 6.111       | 817           | 824         | 837          | rVB      | 817993         | 2112940       | 73.27%          | 12.745%       |
| 13        | 6.830       | 928           | 942         | 951          | rBV      | 337125         | 801926        | 27.81%          | 4.837%        |
| 14        | 7.366       | 1022          | 1030        | 1042         | rBV      | 223551         | 483453        | 16.76%          | 2.916%        |
| 15        | 8.372       | 1188          | 1195        | 1204         | rBV      | 131934         | 218172        | 7.57%           | 1.316%        |
| 16        | 8.695       | 1240          | 1248        | 1253         | rBV      | 445856         | 693638        | 24.05%          | 4.184%        |
| 17        | 8.763       | 1253          | 1259        | 1267         | rVB      | 1918318        | 2883859       | 100.00%         | 17.395%       |
| 18        | 8.994       | 1291          | 1297        | 1303         | rBV      | 95214          | 136426        | 4.73%           | 0.823%        |
| 19        | 9.427       | 1362          | 1368        | 1376         | rBV      | 806103         | 1112468       | 38.58%          | 6.710%        |
| 20        | 9.738       | 1412          | 1419        | 1426         | rBV3     | 14098          | 31305         | 1.09%           | 0.189%        |
| 21        | 10.098      | 1471          | 1478        | 1480         | rBV      | 682951         | 1031212       | 35.76%          | 6.220%        |
| 22        | 10.232      | 1495          | 1500        | 1506         | rBV      | 311881         | 413766        | 14.35%          | 2.496%        |
| 23        | 10.342      | 1512          | 1518        | 1526         | rVB      | 611045         | 811162        | 28.13%          | 4.893%        |
| 24        | 10.683      | 1569          | 1574        | 1584         | rBV      | 227859         | 303507        | 10.52%          | 1.831%        |
| 25        | 11.000      | 1622          | 1626        | 1631         | rBV      | 62711          | 83149         | 2.88%           | 0.502%        |
| 26        | 11.232      | 1659          | 1664        | 1669         | rVB      | 248374         | 315906        | 10.95%          | 1.906%        |
| 27        | 11.341      | 1676          | 1682        | 1687         | rBV3     | 38643          | 61313         | 2.13%           | 0.370%        |
| 28        | 11.652      | 1729          | 1733        | 1737         | rVB      | 27505          | 37256         | 1.29%           | 0.225%        |
| 29        | 11.786      | 1752          | 1755        | 1762         | rVB      | 27270          | 39375         | 1.37%           | 0.238%        |
| 30        | 12.061      | 1795          | 1800        | 1807         | rBV      | 753532         | 932262        | 32.33%          | 5.623%        |
| 31        | 12.128      | 1807          | 1811        | 1815         | rVB      | 23093          | 30463         | 1.06%           | 0.184%        |
| 32        | 12.286      | 1831          | 1837        | 1843         | rBV      | 45461          | 64768         | 2.25%           | 0.391%        |
| 33        | 12.359      | 1843          | 1849        | 1856         | rBV      | 599695         | 805859        | 27.94%          | 4.861%        |
| 34        | 12.798      | 1916          | 1921        | 1926         | rBV2     | 27207          | 42104         | 1.46%           | 0.254%        |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081820\  
Data File : VX017955.D  
Acq On : 18 Aug 2020 11:31  
Operator : JC/SP  
Sample : L3697-05DL 20X  
Misc : 25.0mL/MSVOA X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BG0N2DL

Integration Parameters: rteint.p  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.1 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\_X\METHOD\SOMXTR080720WMA.M  
Title : TRACE VOA SOM01.0

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 35 | 12.872 | 1930 | 1933 | 1942 | rVB2 | 22546 | 36235 | 1.26% | 0.219% |
| 36 | 13.817 | 2083 | 2088 | 2093 | rBV  | 27793 | 35029 | 1.21% | 0.211% |

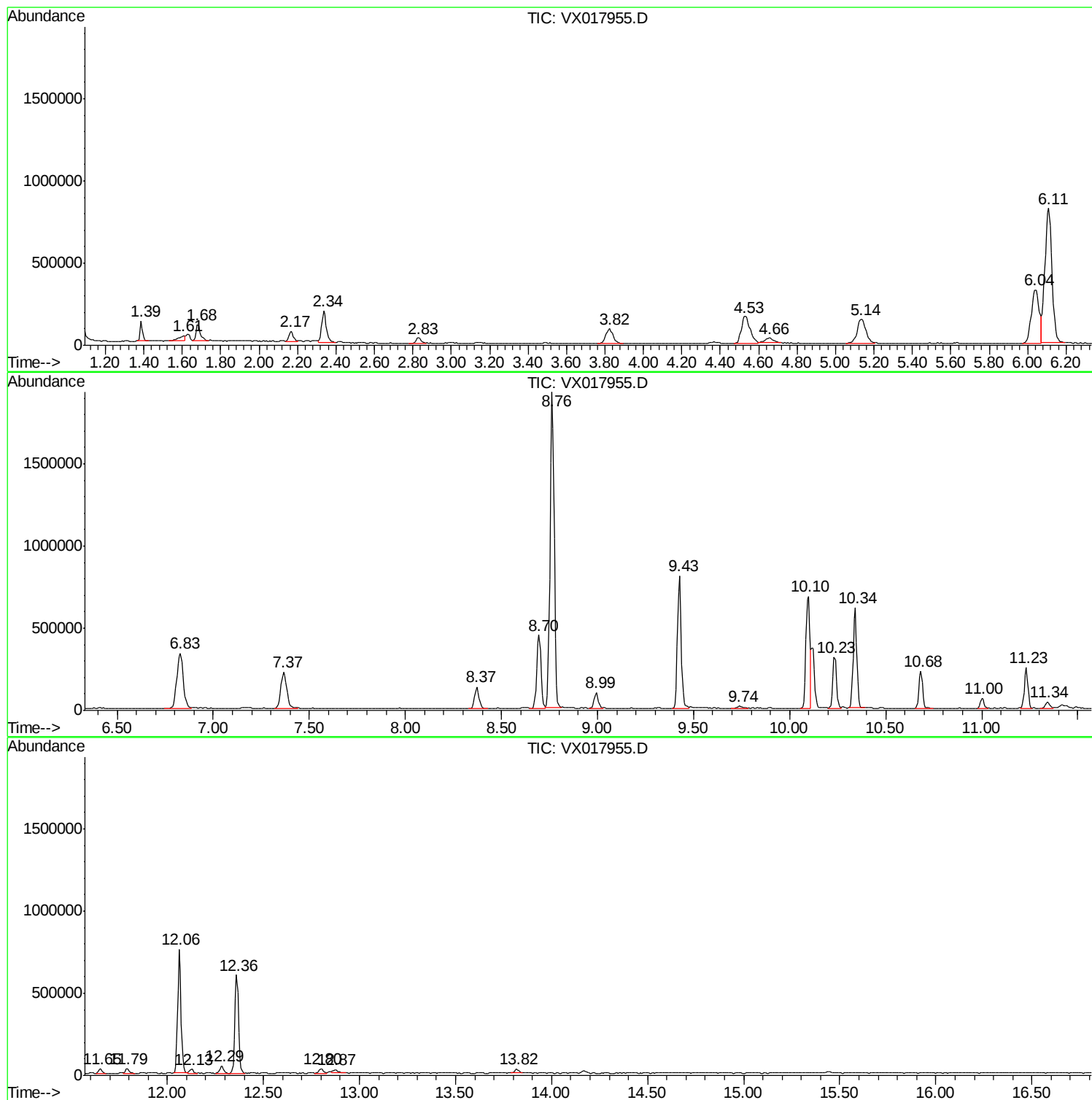
Sum of corrected areas: 16578566

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081820\  
Data File : VX017955.D  
Acq On : 18 Aug 2020 11:31  
Operator : JC/SP  
Sample : L3697-05DL 20X  
Misc : 25.0mL/MSVOA X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BG0N2DL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR080720WMA.M  
Quant Title : TRACE VOA SOM01.0

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081820\  
Data File : VX017955.D  
Acq On : 18 Aug 2020 11:31  
Operator : JC/SP  
Sample : L3697-05DL 20X  
Misc : 25.0mL/MSVOA X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BG0N2DL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR080720WMA.M  
Quant Title : TRACE VOA SOM01.0

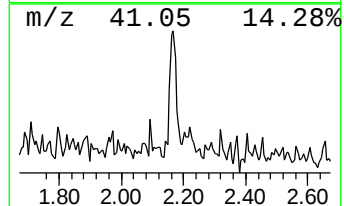
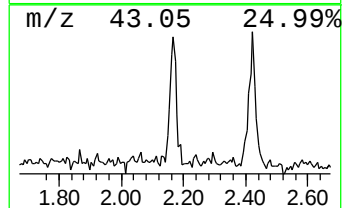
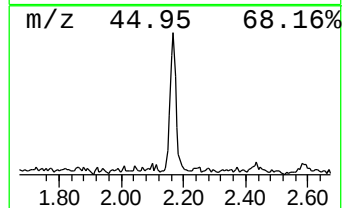
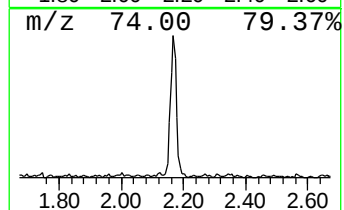
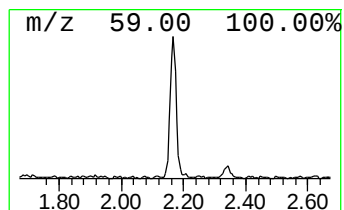
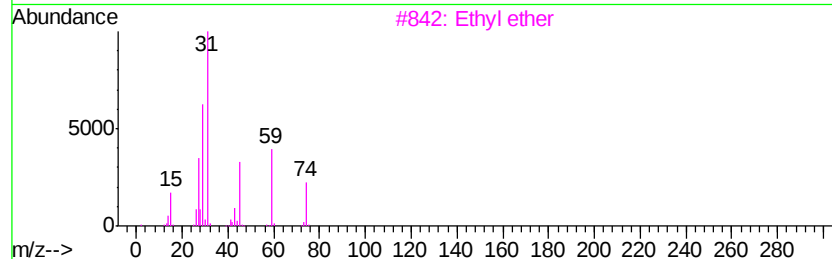
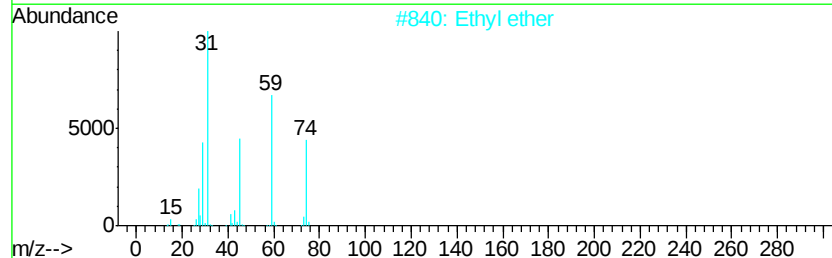
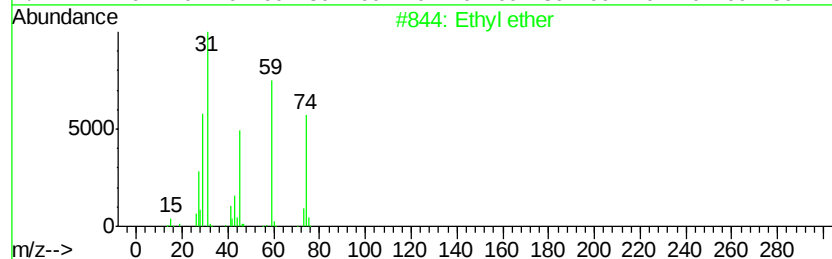
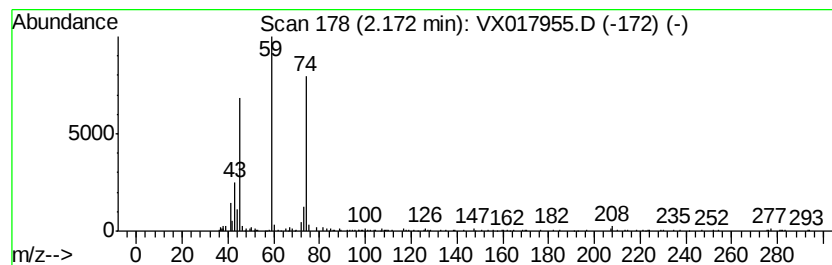
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Ethyl ether Concentration Rank 4

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.17 | 0.57 ug/L | 90849 | 1,4-Difluorobenzene | 6.83 |

| Hit# | of | Tentative ID    | MW | MolForm | CAS#        | Qual |
|------|----|-----------------|----|---------|-------------|------|
| 1    | 5  | Ethyl ether     | 74 | C4H10O  | 000060-29-7 | 90   |
| 2    |    | Ethyl ether     | 74 | C4H10O  | 000060-29-7 | 86   |
| 3    |    | Ethyl ether     | 74 | C4H10O  | 000060-29-7 | 78   |
| 4    |    | Ethyl ether     | 74 | C4H10O  | 000060-29-7 | 78   |
| 5    |    | Allyl mercaptan | 74 | C3H6S   | 000870-23-5 | 47   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081820\  
Data File : VX017955.D  
Acq On : 18 Aug 2020 11:31  
Operator : JC/SP  
Sample : L3697-05DL 20X  
Misc : 25.0mL/MSVOA X/WATER  
ALS Vial : 5 Sample Multiplier: 1

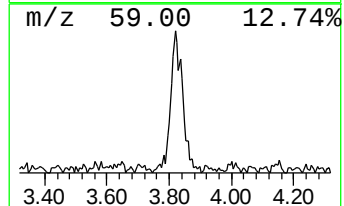
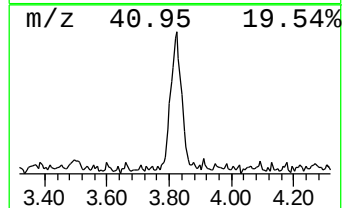
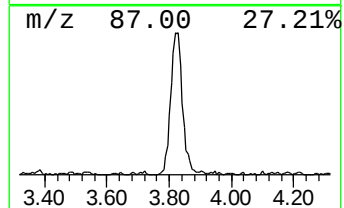
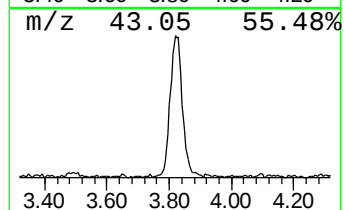
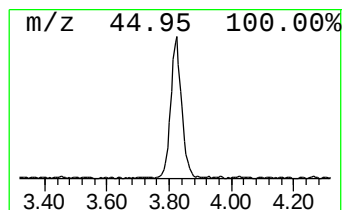
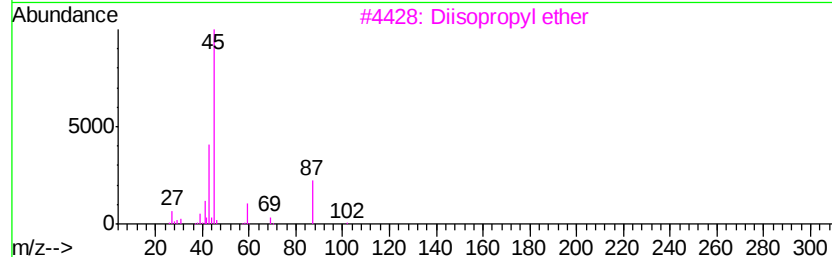
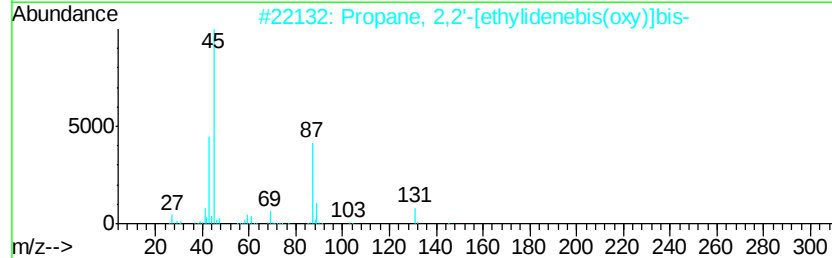
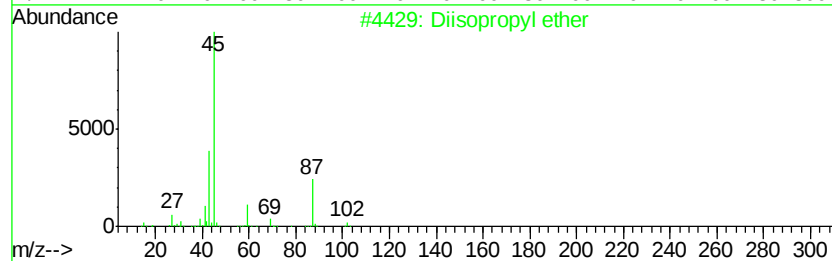
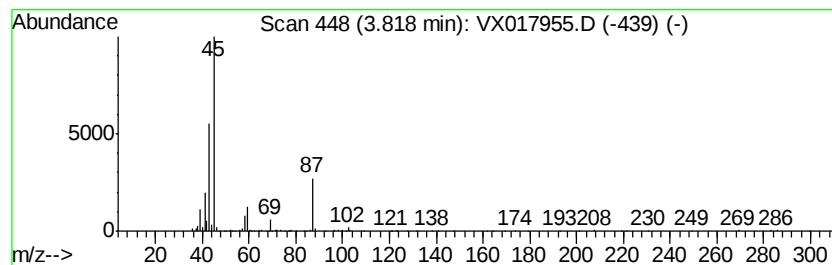
Instrument :  
MSVOA\_X  
ClientSampleId :  
BG0N2DL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR080720WMA.M  
Quant Title : TRACE VOA SOM01.0

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

\*\*\*\*\*  
Peak Number 2 Diisopropyl ether Concentration Rank 1

| R.T.      | EstConc                             | Area   | Relative to ISTD    | R.T.        |      |
|-----------|-------------------------------------|--------|---------------------|-------------|------|
| 3.82      | 1.48 ug/L                           | 238136 | 1,4-Difluorobenzene | 6.83        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm             | CAS#        | Qual |
| 1         | Diisopropyl ether                   | 102    | C6H14O              | 000108-20-3 | 87   |
| 2         | Propane, 2,2'-[ethylidenebis(oxy... | 146    | C8H18O2             | 004285-59-0 | 72   |
| 3         | Diisopropyl ether                   | 102    | C6H14O              | 000108-20-3 | 72   |
| 4         | 1-Propanol, 2-(1-methylethoxy)-     | 118    | C6H14O2             | 003944-37-4 | 72   |
| 5         | Propane, 1,1'-[ethylidenebis(oxy... | 146    | C8H18O2             | 000105-82-8 | 64   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX081820\  
Data File : VX017955.D  
Acq On : 18 Aug 2020 11:31  
Operator : JC/SP  
Sample : L3697-05DL 20X  
Misc : 25.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BG0N2DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR080720WMA.M  
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 |
| Ethyl ether       | 2.17 | 0.6     | ug/L  | 90849    | 1                     | 6.83 | 801926 | 5.0  |
| Diisopropyl ether | 3.82 | 1.5     | ug/L  | 238136   | 1                     | 6.83 | 801926 | 5.0  |