

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062520\  
 Data File : VV017121.D  
 Acq On : 25 Jun 2020 12:47  
 Operator : SY/MD  
 Sample : L3105-19  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFXM2

Manual Integrations  
 APPROVED

MMDadoda  
 6/26/2020 2:08:00 PM

Quant Time: Jun 26 02:02:13 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jun 26 01:31:34 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 181048   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 177024   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 83505    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 38156    | 3.51     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 70.20% |
| 7) Chloroethane-d5             | 1.58   | 69    | 33215    | 4.20     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 84.00% |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 63062    | 3.05     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 61.00% |
| 20) 2-Butanone-d5              | 3.95   | 46    | 123634   | 44.64    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 89.28% |
| 24) Chloroform-d               | 4.38   | 84    | 110848   | 4.77     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.40% |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 60028    | 4.87     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.40% |
| 32) Benzene-d6                 | 5.07   | 84    | 203097   | 4.42     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.40% |
| 36) 1,2-Dichloropropane-d6     | 6.09   | 67    | 61134    | 4.45     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 89.00% |
| 41) Toluene-d8                 | 7.34   | 98    | 186018   | 4.32     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 86.40% |
| 45) trans-1,3-Dichloropropene- | 7.64   | 79    | 23676    | 4.13     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 82.60% |
| 48) 2-Hexanone-d5              | 8.11   | 63    | 91094    | 41.75    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 83.50% |
| 59) 1,1,2,2-Tetrachloroethane- | 10.23  | 84    | 43154    | 4.72     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 94.40% |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 72669    | 4.71     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 94.20% |

## Target Compounds

|                            |      |    |       |       | Ovalue |    |
|----------------------------|------|----|-------|-------|--------|----|
| 13) Acetone                | 2.23 | 43 | 8980m | 6.415 | ug/L   |    |
| 19) 1,1-Dichloroethane     | 3.21 | 63 | 7658  | 0.370 | ug/L   | 93 |
| 22) cis-1,2-Dichloroethene | 3.94 | 96 | 5240  | 0.416 | ug/L   | 99 |
| 25) Chloroform             | 4.40 | 83 | 29681 | 1.313 | ug/L   | 98 |
| 30) Cyclohexane            | 4.70 | 56 | 4551  | 0.226 | ug/L   | 98 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

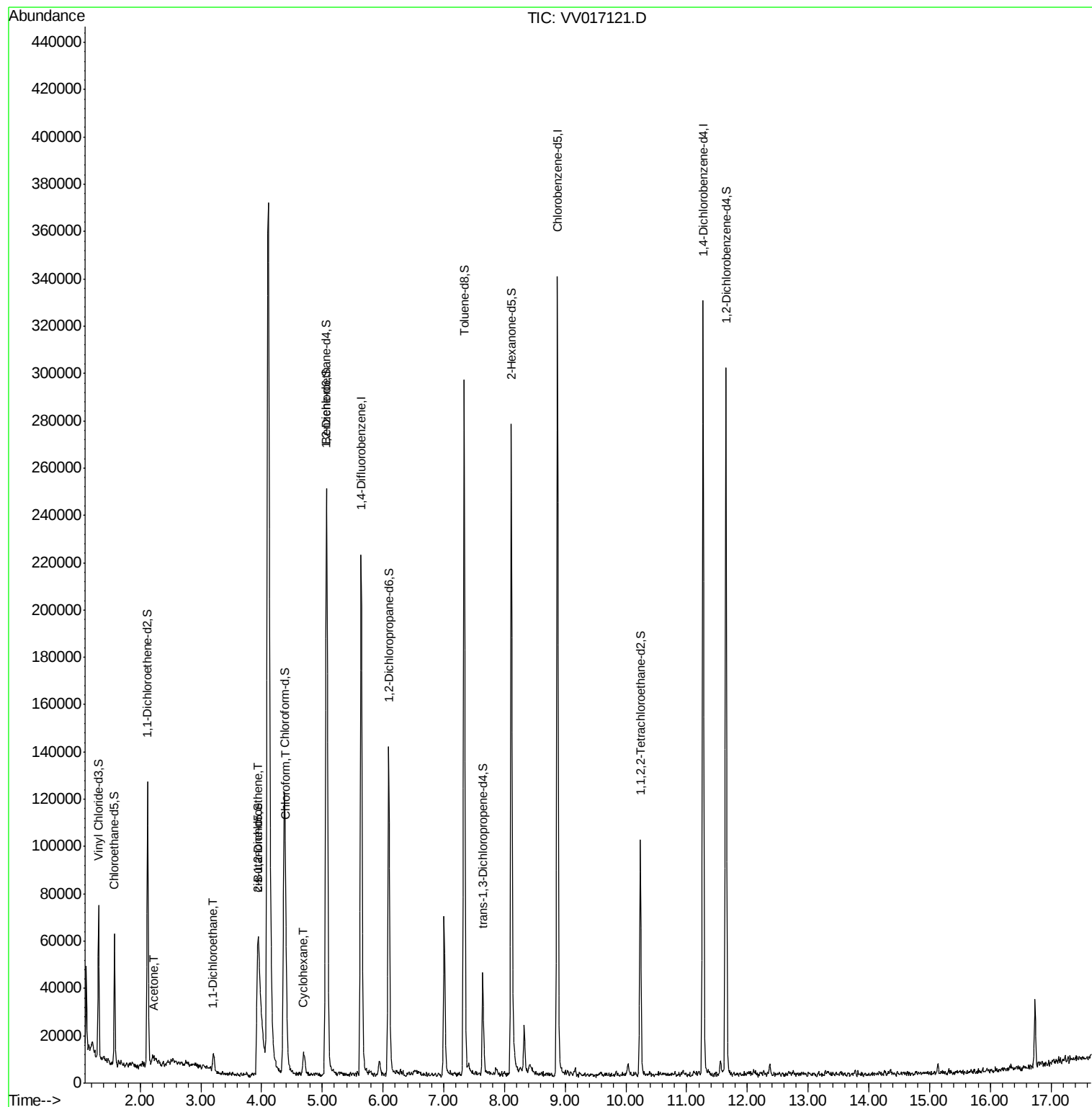
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062520\  
Data File : VV017121.D  
Acq On : 25 Jun 2020 12:47  
Operator : SY/MD  
Sample : L3105-19  
Misc : 25.0mL/MSVOA V/WATER  
ALS Vial : 4 Sample Multiplier: 1

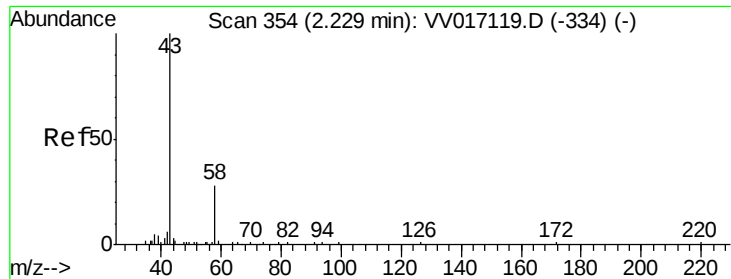
Instrument :  
MSVOA\_V  
ClientSampleId :  
BFXM2

Manual Integrations  
APPROVED

MMDadoda  
6/26/2020 2:08:00 PM

Quant Time: Jun 26 02:02:13 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Jun 26 01:31:34 2020  
Response via : Initial Calibration





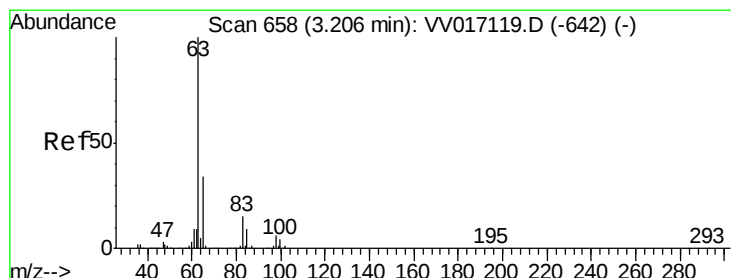
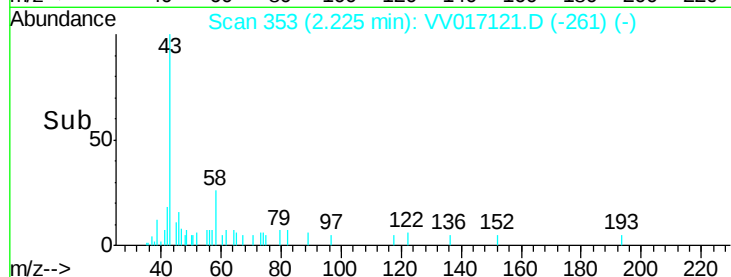
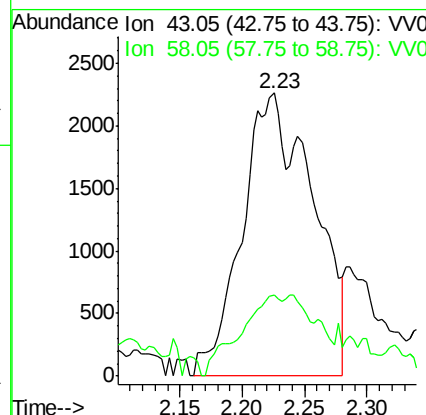
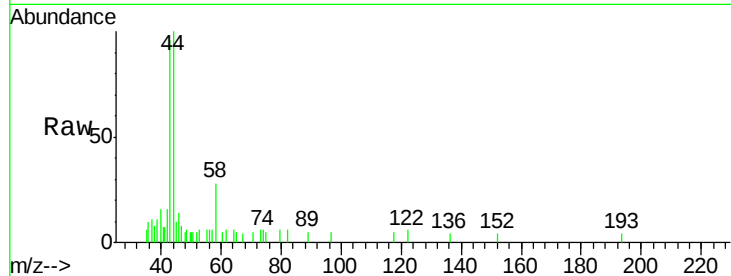
#13  
Acetone  
Concen: 6.415 ug/L m  
RT: 2.23 min Scan# 353  
Delta R.T. -0.00 min  
Lab File: VV017121.D  
Acq: 25 Jun 2020 12:47

Instrument :  
MSVOA\_V  
ClientSampled :  
BFXM2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 16.7  | 0.0   | 58.4  |

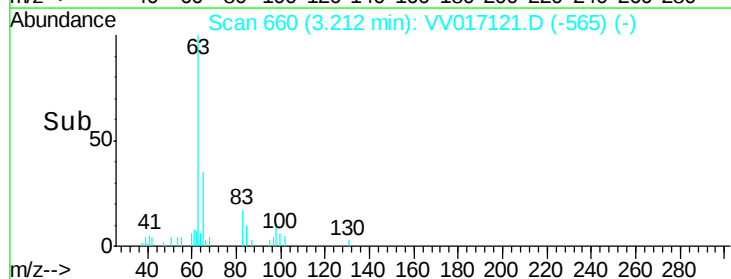
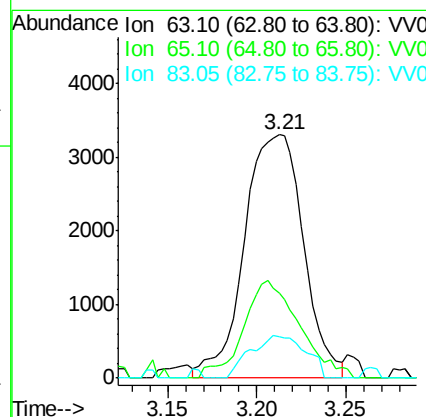
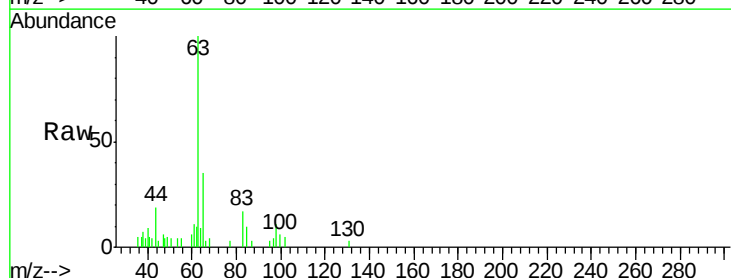
Manual Integrations  
APPROVED

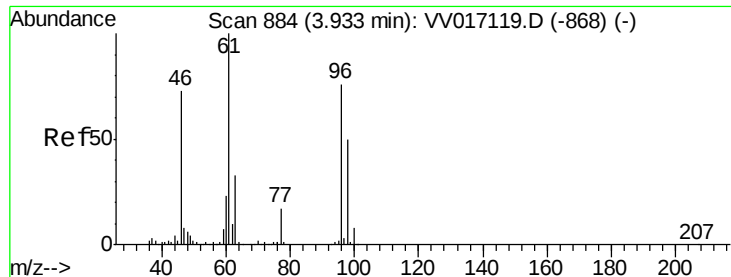
MMDadoda  
6/26/2020 2:08:00 PM



#19  
1,1-Dichloroethane  
Concen: 0.370 ug/L  
RT: 3.21 min Scan# 660  
Delta R.T. 0.01 min  
Lab File: VV017121.D  
Acq: 25 Jun 2020 12:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 34.7  | 21.8  | 40.4  |
| 83      | 16.9  | 9.7   | 17.9  |





#22

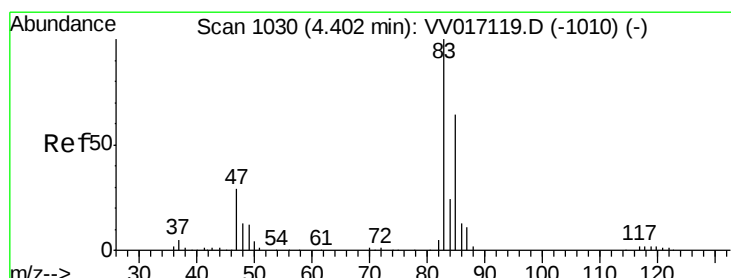
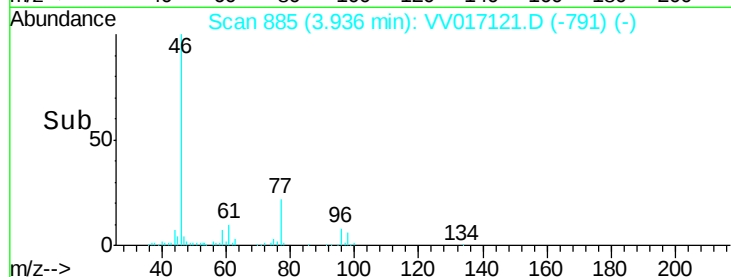
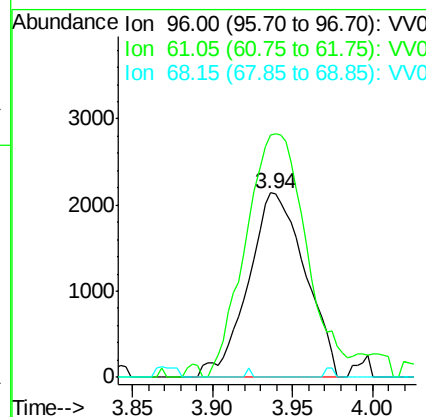
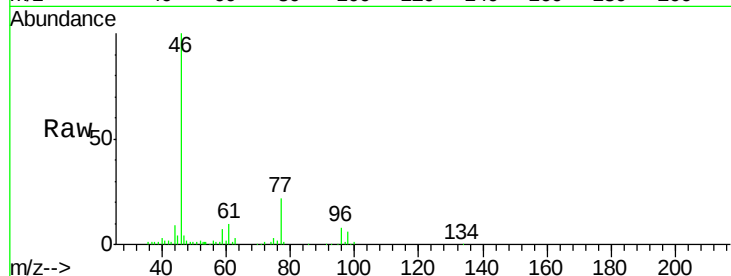
cis-1,2-Dichloroethene  
Concen: 0.416 ug/L  
RT: 3.94 min Scan# 885  
Delta R.T. 0.00 min  
Lab File: VV017121.D  
Acq: 25 Jun 2020 12:47

Instrument :  
MSVOA\_V  
ClientSampled :  
BFXM2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 131.0 | 91.0  | 169.0 |
| 68      | 0.0   | 0.0   | 0.0   |

Manual Integrations  
APPROVED

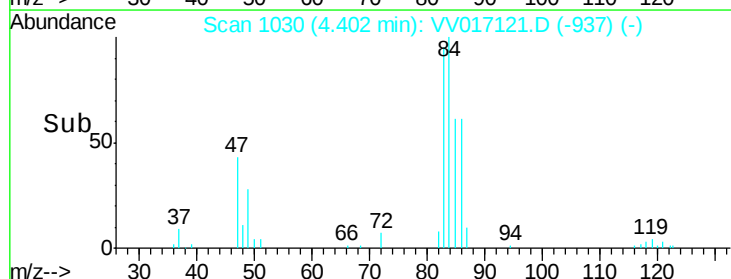
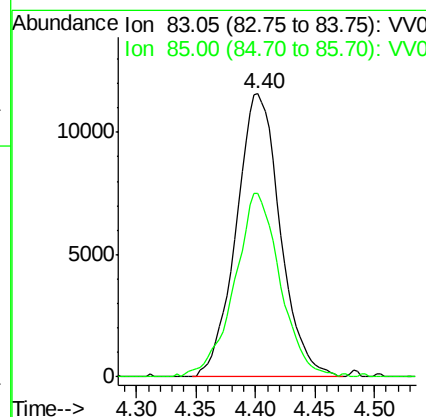
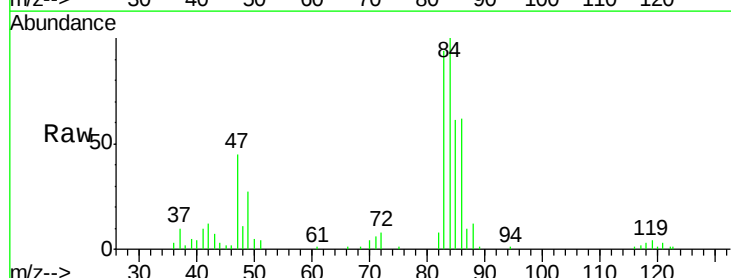
MMDadoda  
6/26/2020 2:08:00 PM

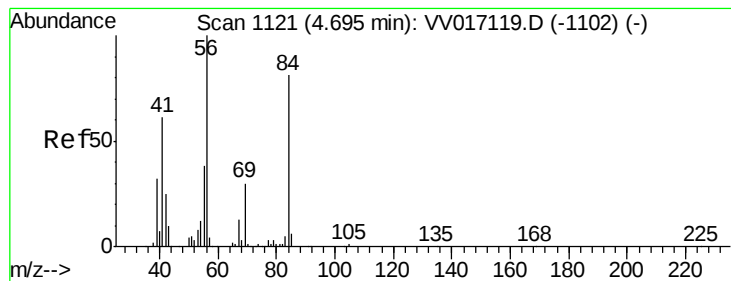


#25

Chloroform  
Concen: 1.313 ug/L  
RT: 4.40 min Scan# 1030  
Delta R.T. -0.00 min  
Lab File: VV017121.D  
Acq: 25 Jun 2020 12:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.8  | 44.2  | 82.2  |





#30  
Cyclohexane  
Concen: 0.226 ug/L  
RT: 4.70 min Scan# 1123  
Delta R.T. 0.01 min  
Lab File: VV017121.D  
Acq: 25 Jun 2020 12:47

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFXM2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 33.1  | 24.4  | 36.6  |
| 84      | 88.9  | 69.9  | 104.9 |

Manual Integrations  
APPROVED

MMDadoda  
6/26/2020 2:08:00 PM

