

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061819\  
 Data File : VU032824.D  
 Acq On : 18 Jun 2019 15:09  
 Operator : JC/SP  
 Sample : K3379-03  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0JT4

Quant Time: Jun 19 04:28:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 19 01:26:44 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 225918   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 220609   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 110771   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 72609    | 47.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 94.06%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 60884    | 49.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 98.88%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 113653   | 36.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 73.08%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 147426   | 114.72   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 114.72% |
| 24) Chloroform-d               | 4.64    | 84    | 148346   | 49.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.84%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 101984   | 51.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.02% |
| 32) Benzene-d6                 | 5.33    | 84    | 293275   | 51.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.00% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 95819    | 52.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 104.60% |
| 41) Toluene-d8                 | 7.56    | 98    | 273199   | 50.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.46% |
| 43) trans-1,3-Dichloropropene- | 7.84    | 79    | 42601    | 44.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.40%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 99365    | 116.16   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 116.16% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.42   | 84    | 138977   | 49.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.14%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 109757   | 51.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.40% |

## Target Compounds

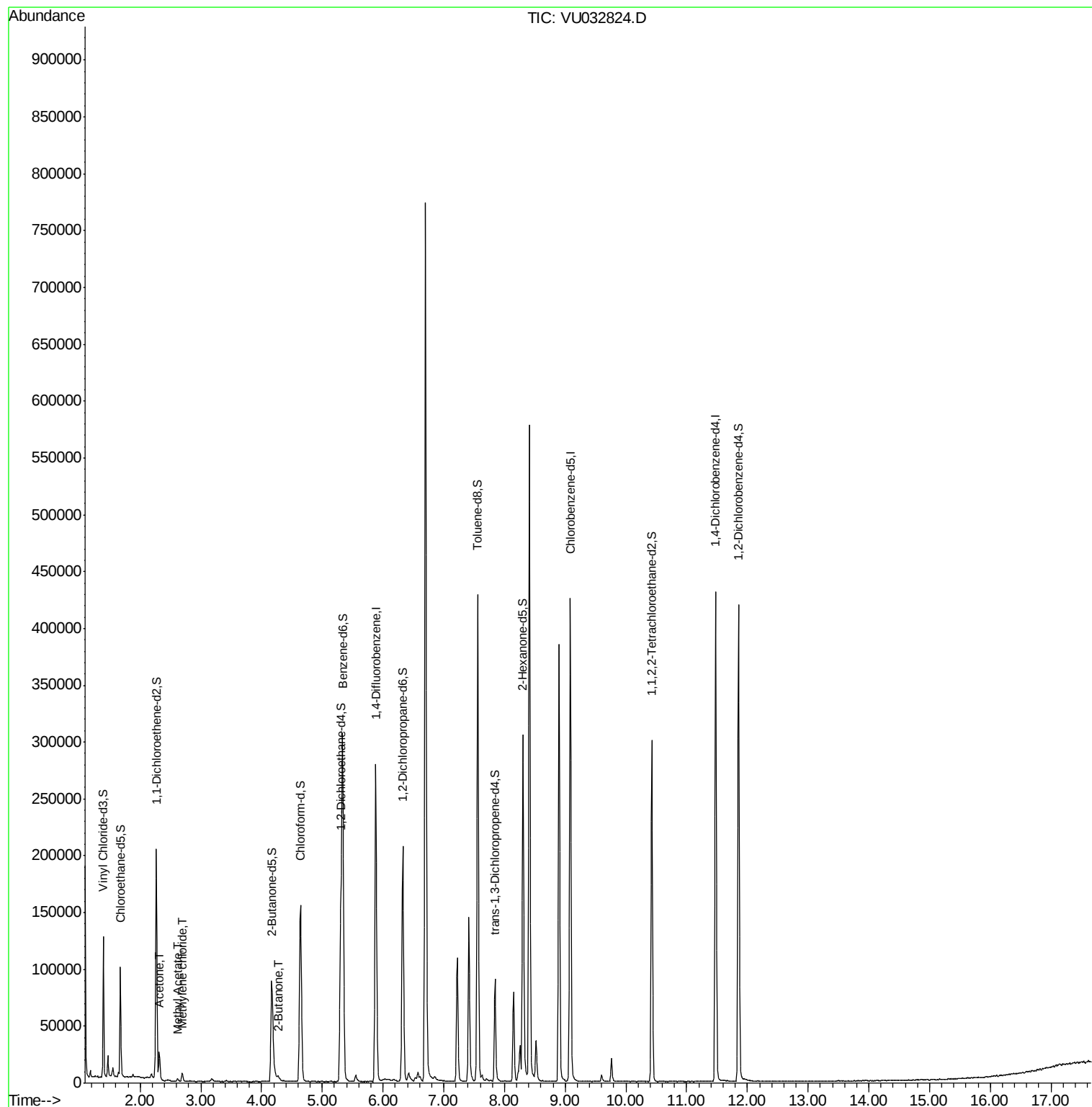
|                        |      |    |       |              | Ovalue |
|------------------------|------|----|-------|--------------|--------|
| 13) Acetone            | 2.32 | 43 | 24546 | 13.829 ug/L  | 99     |
| 15) Methyl Acetate     | 2.62 | 43 | 2884  | 1.433 ug/L # | 76     |
| 16) Methylene chloride | 2.69 | 84 | 3127  | 1.873 ug/L   | 92     |
| 22) 2-Butanone         | 4.27 | 43 | 7106  | 3.863 ug/L   | 92     |

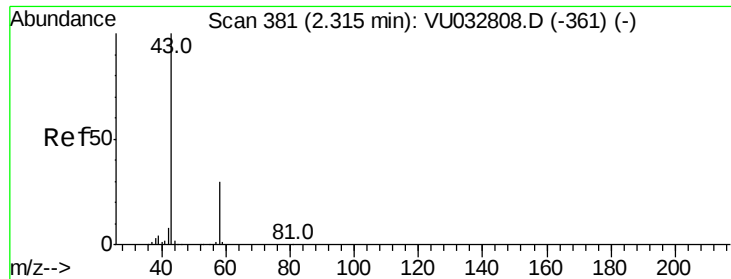
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 13.829 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU032824.D

Acq: 18 Jun 2019 15:09

Instrument :

MSVOA\_U

ClientSampleId :

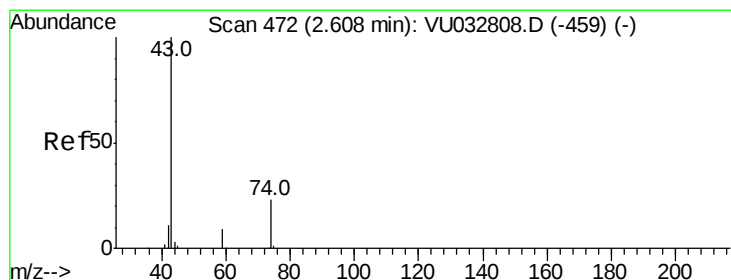
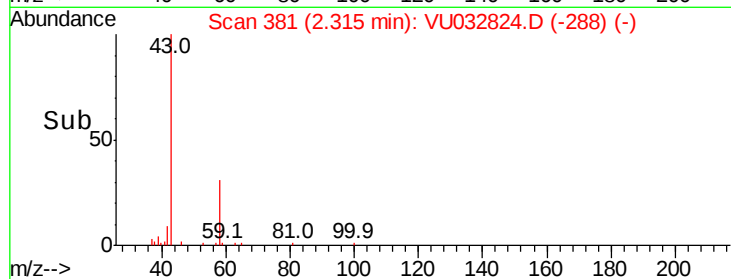
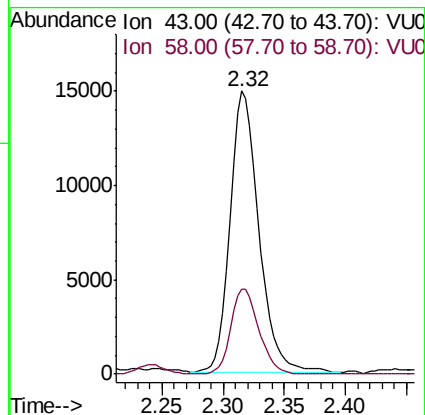
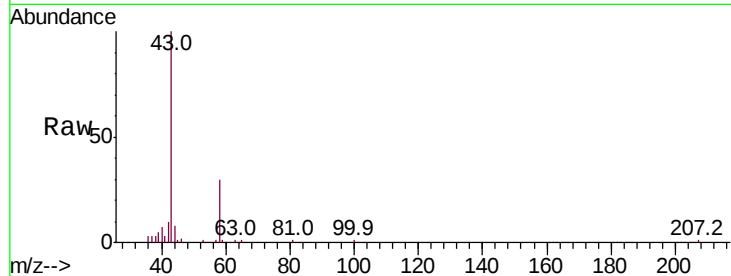
C0JT4

Tot Ion: 43 Resp: 24546

Ion Ratio Lower Upper

43 100

58 29.5 0.0 60.6



#15

Methyl Acetate

Concen: 1.433 ug/L

RT: 2.62 min Scan# 475

Delta R.T. 0.01 min

Lab File: VU032824.D

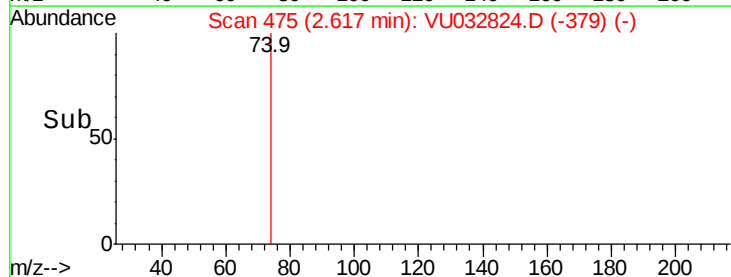
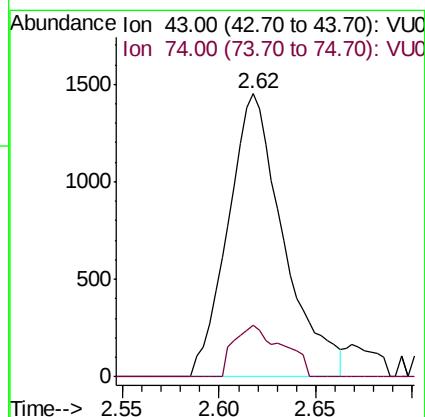
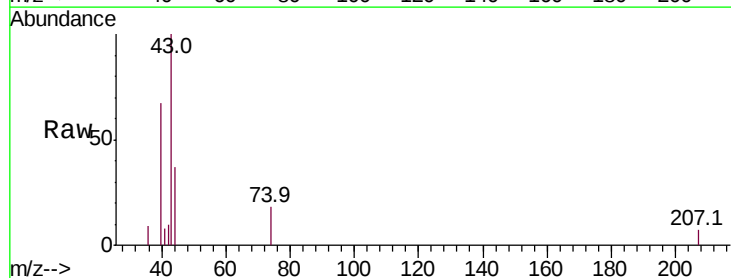
Acq: 18 Jun 2019 15:09

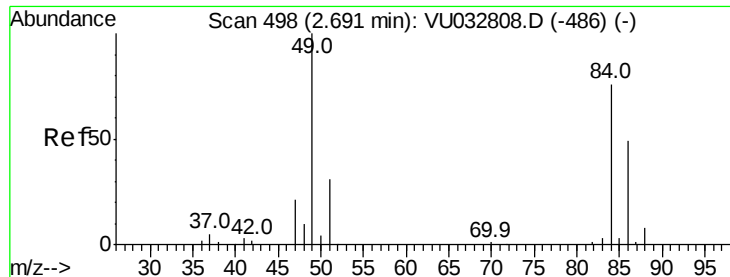
Tgt Ion: 43 Resp: 2884

Ion Ratio Lower Upper

43 100

74 11.0 18.1 27.1#

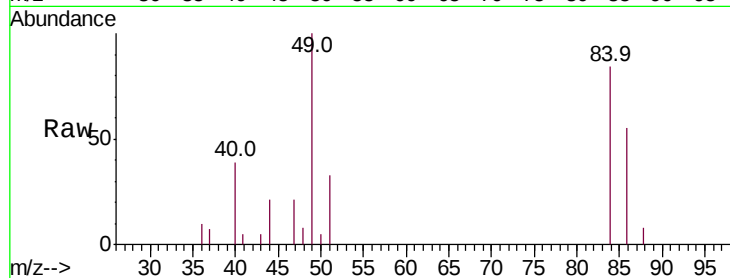




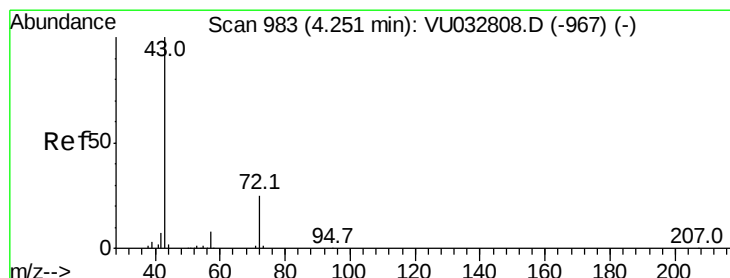
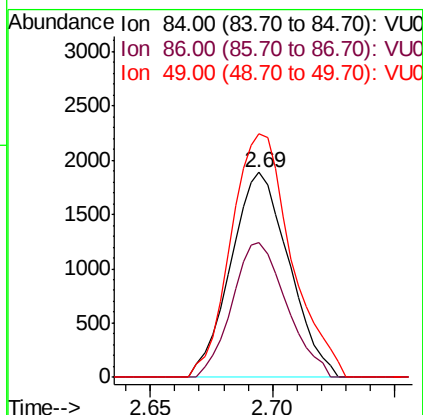
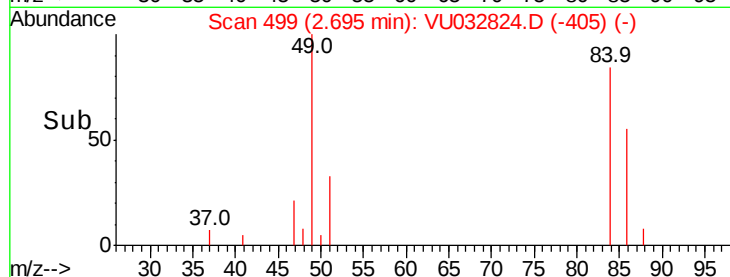
#16  
Methvlene chloride  
Concen: 1.873 ug/L  
RT: 2.69 min Scan# 499  
Delta R.T. 0.00 min  
Lab File: VU032824.D  
Acq: 18 Jun 2019 15:09

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0JT4

Tot Ion: 84 Resp: 3127  
Ion Ratio Lower Upper  
84 100  
86 65.9 45.5 84.5  
49 118.8 92.1 171.1

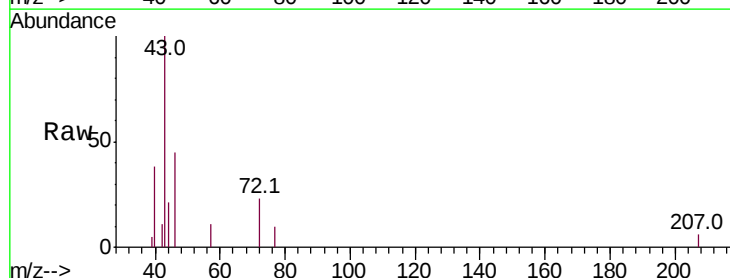


Abundance Ion 84.00 (83.70 to 84.70): VU0  
Ion 86.00 (85.70 to 86.70): VU0  
Ion 49.00 (48.70 to 49.70): VU0



#22  
2-Butanone  
Concen: 3.863 ug/L  
RT: 4.27 min Scan# 990  
Delta R.T. 0.02 min  
Lab File: VU032824.D  
Acq: 18 Jun 2019 15:09

Tgt Ion: 43 Resp: 7106  
Ion Ratio Lower Upper  
43 100  
72 21.6 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU0  
Ion 72.00 (71.70 to 72.70): VU0

