

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062219\  
 Data File : VU032975.D  
 Acq On : 22 Jun 2019 03:08  
 Operator : JC/SP  
 Sample : K3464-16  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ETF47

Quant Time: Jun 24 01:33:06 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Jun 24 01:08:17 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 186926   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 183125   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 86069    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 49187    | 38.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 77.00%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 45557    | 44.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 89.42%  |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 78985    | 30.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 61.38%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 124483   | 117.07   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 117.07% |
| 24) Chloroform-d               | 4.64    | 84    | 118618   | 47.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.52%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 85360    | 51.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.20% |
| 32) Benzene-d6                 | 5.33    | 84    | 225391   | 47.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.42%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 75127    | 49.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 98.80%  |
| 41) Toluene-d8                 | 7.56    | 98    | 200661   | 44.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.78%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 34023    | 43.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 86.02%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 73794    | 103.92   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 103.92% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 116221   | 49.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.88%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 81236    | 48.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.54%  |

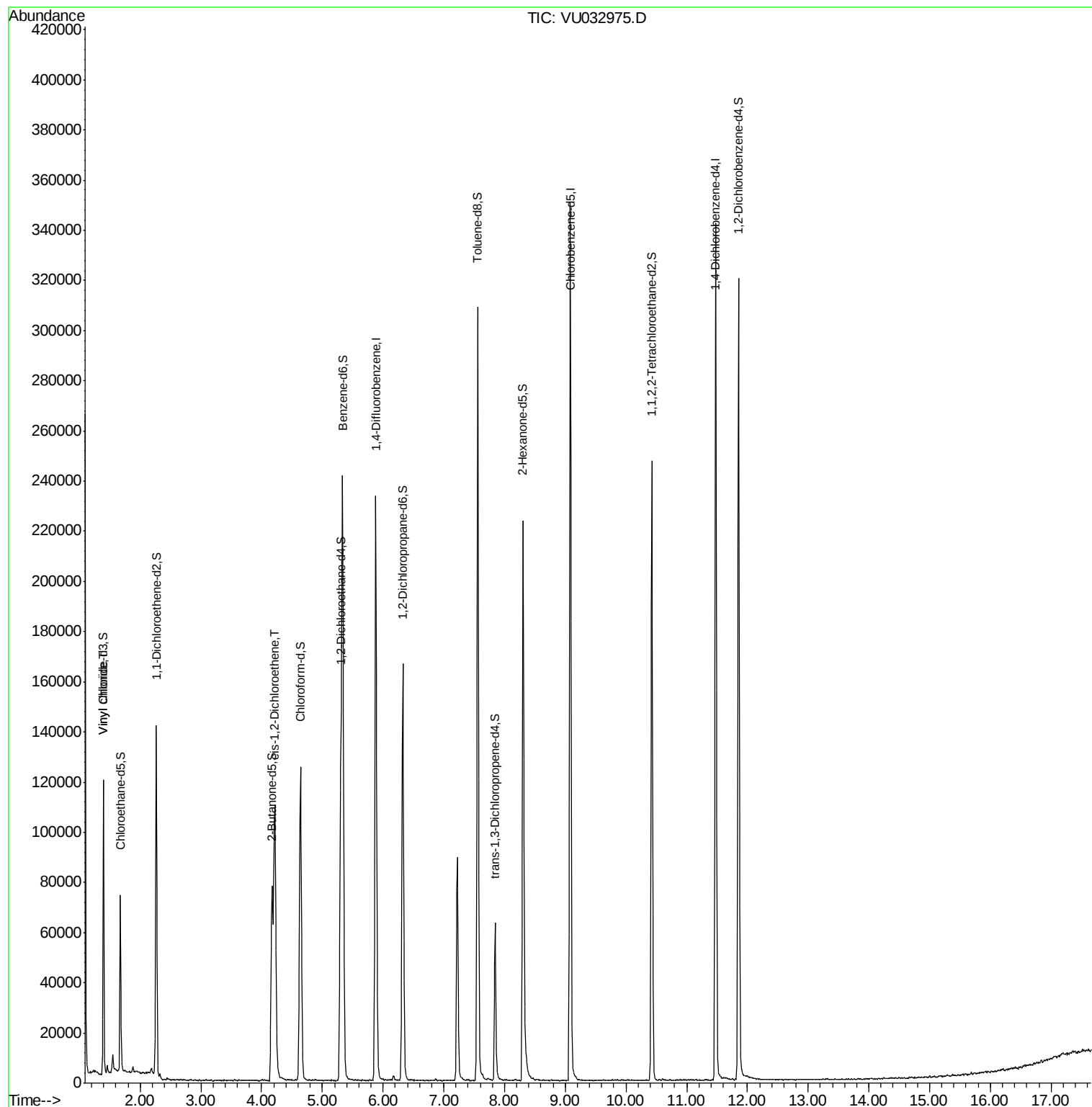
| Target Compounds           |      |    |       |             | Ovalue |
|----------------------------|------|----|-------|-------------|--------|
| 5) Vinyl chloride          | 1.40 | 62 | 26496 | 15.609 ug/L | 96     |
| 20) cis-1,2-Dichloroethene | 4.22 | 96 | 55312 | 39.775 ug/L | 94     |

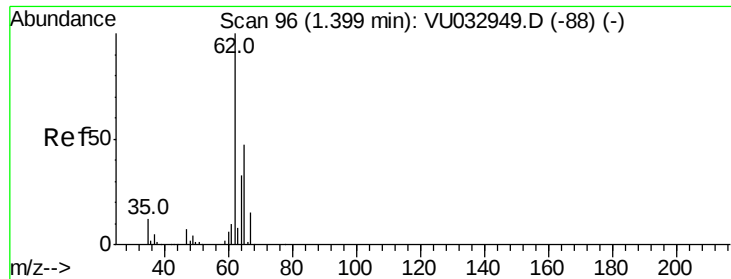
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 24 01:08:17 2019  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 15.609 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032975.D

Acq: 22 Jun 2019 03:08

Instrument :

MSVOA\_U

ClientSampled :

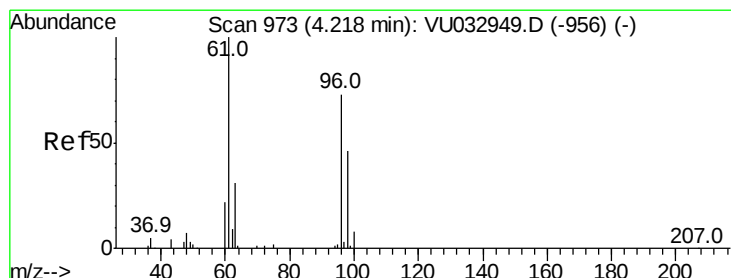
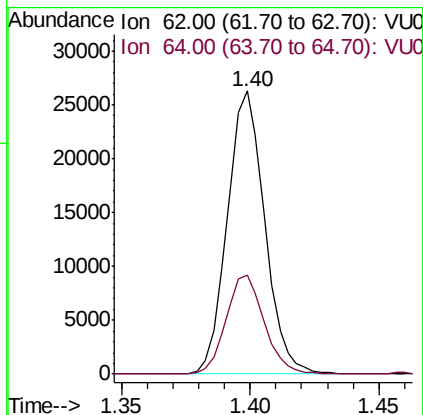
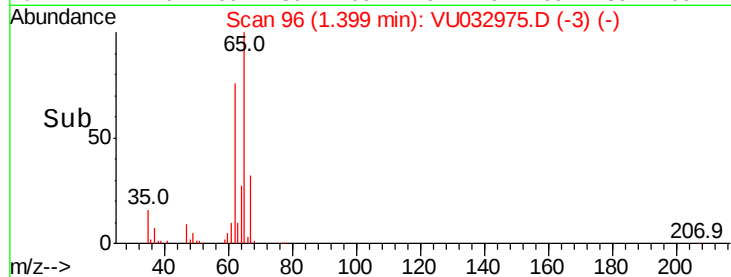
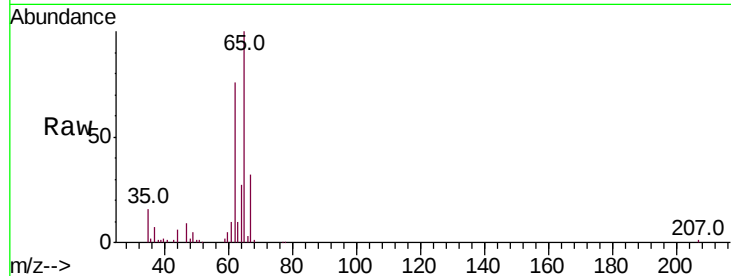
ETF47

Tot Ion: 62 Resp: 26496

Ion Ratio Lower Upper

62 100

64 34.9 23.0 42.6



#20

cis-1,2-Dichloroethene

Concen: 39.775 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU032975.D

Acq: 22 Jun 2019 03:08

Tgt Ion: 96 Resp: 55312

Ion Ratio Lower Upper

96 100

61 138.6 92.4 171.6

68 0.0 0.0 0.0

