

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112519\  
 Data File : VU035830.D  
 Acq On : 25 Nov 2019 17:42  
 Operator : JC/SP  
 Sample : K5992-01  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GARE4

Quant Time: Nov 26 01:36:09 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR112119WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Nov 26 01:03:35 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 233661   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 267555   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 81279    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.62   | 65    | 128269   | 4.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 84.00%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 130032   | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 98.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 174205   | 3.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 61.40%  |
| 20) 2-Butanone-d5              | 4.69   | 46    | 414700   | 58.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 117.42% |
| 24) Chloroform-d               | 5.11   | 84    | 265569   | 5.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 102.80% |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 150722   | 5.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 103.80% |
| 32) Benzene-d6                 | 5.77   | 84    | 481686   | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.74   | 67    | 178402   | 5.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 103.80% |
| 41) Toluene-d8                 | 7.93   | 98    | 400929   | 4.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 85.20%  |
| 43) trans-1,3-Dichloropropene- | 8.21   | 79    | 62485    | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 93.20%  |
| 46) 2-Hexanone-d5              | 8.69   | 63    | 306506   | 56.98    | ug/L | 0.01    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 113.96% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 146112   | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 100.80% |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 100288   | 5.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 113.60% |

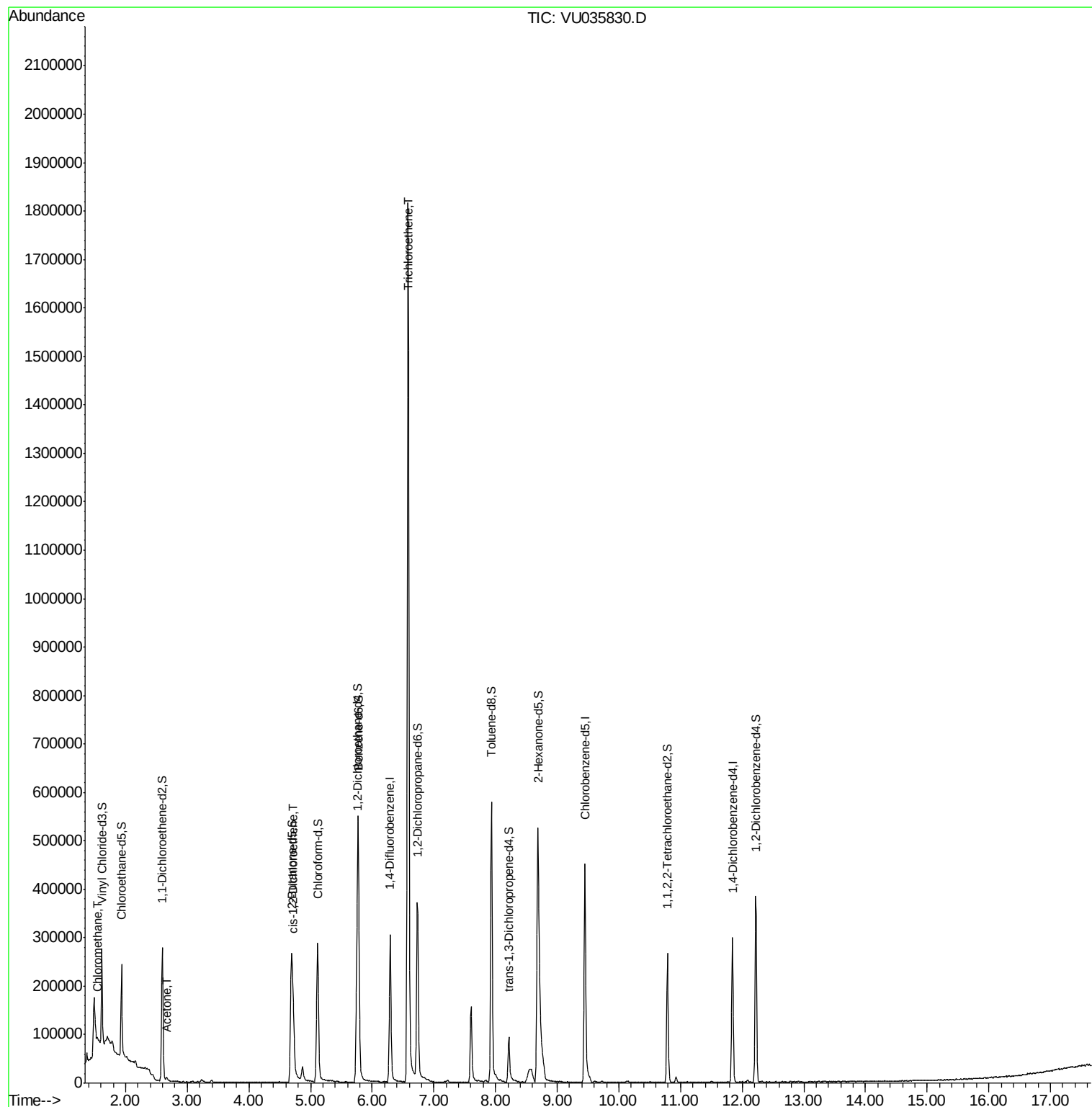
| Target Compounds           |      |    |        |             | Ovalue |
|----------------------------|------|----|--------|-------------|--------|
| 3) Chloromethane           | 1.54 | 50 | 5164   | 0.132 ug/L  | 98     |
| 13) Acetone                | 2.67 | 43 | 8762   | 1.412 ug/L  | 97     |
| 22) cis-1,2-Dichloroethene | 4.72 | 96 | 55922  | 2.096 ug/L  | 88     |
| 34) Trichloroethene        | 6.58 | 95 | 649894 | 23.734 ug/L | 99     |

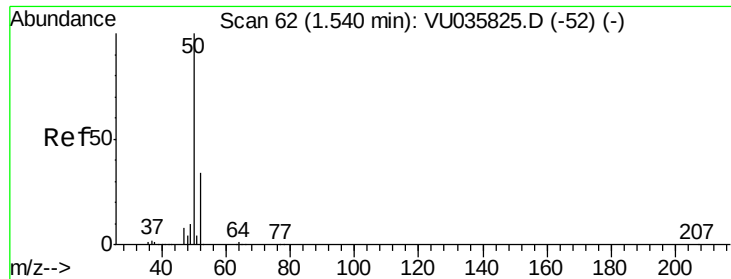
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.132 ug/L

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU035830.D

Acq: 25 Nov 2019 17:42

Instrument :

MSVOA\_U

ClientSampleId :

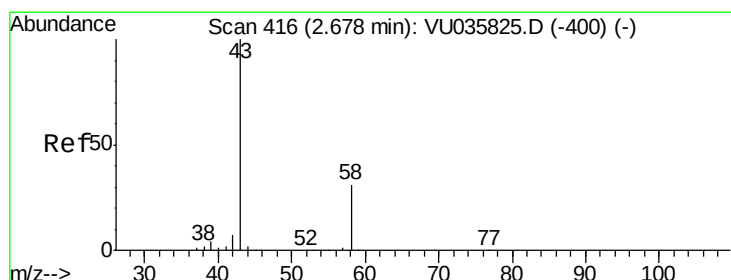
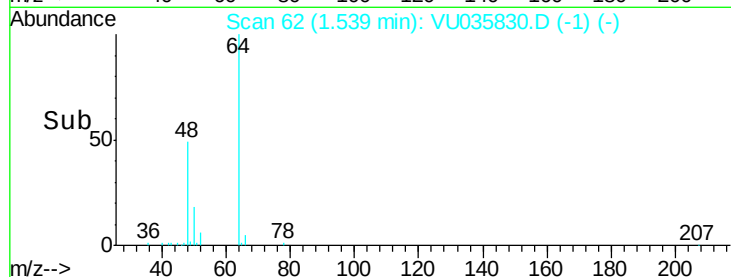
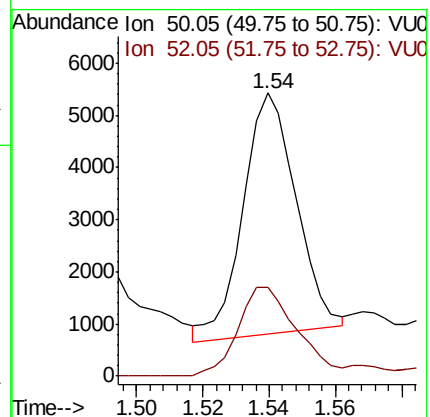
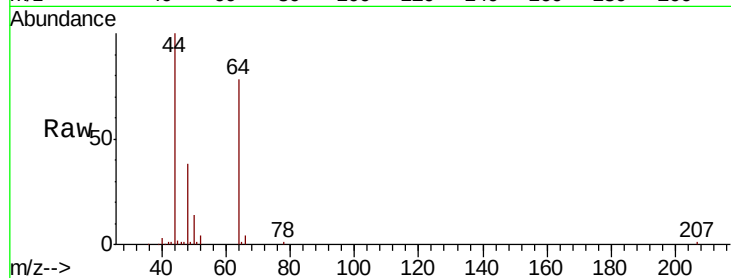
GARE4

Tot Ion: 50 Resp: 5164

Ion Ratio Lower Upper

50 100

52 31.2 22.7 42.3



#13

Acetone

Concen: 1.412 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU035830.D

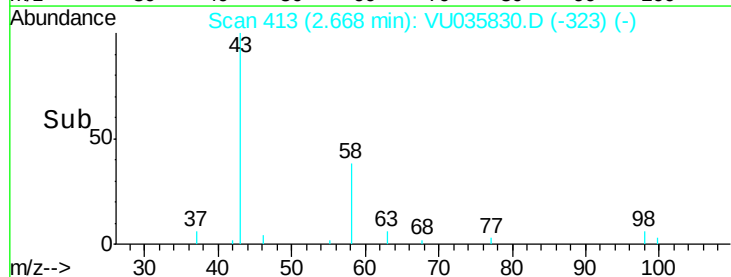
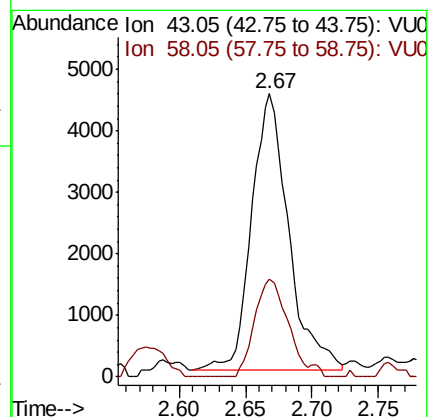
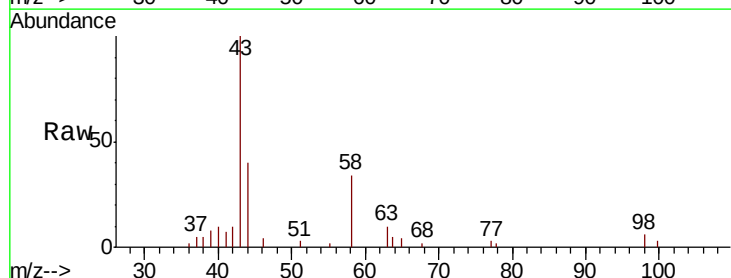
Acq: 25 Nov 2019 17:42

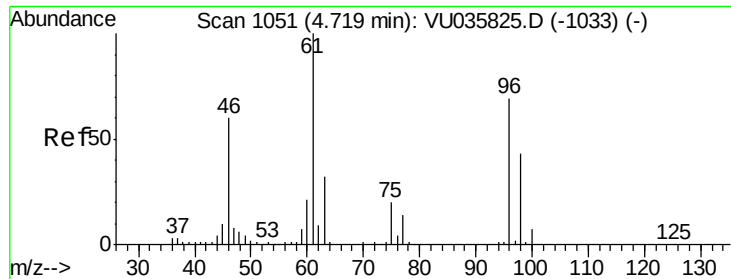
Tgt Ion: 43 Resp: 8762

Ion Ratio Lower Upper

43 100

58 32.4 0.0 61.2

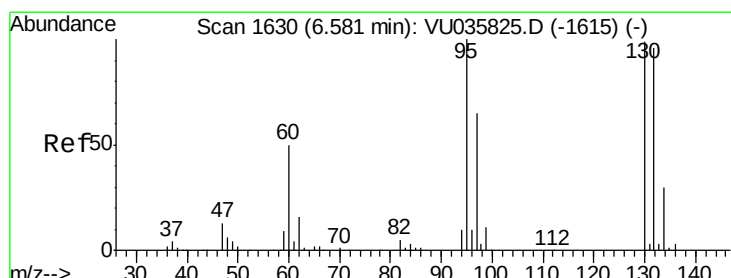
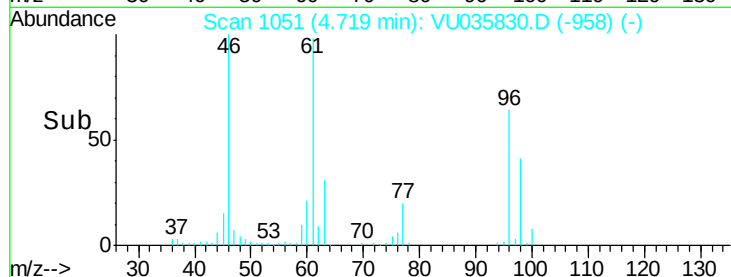
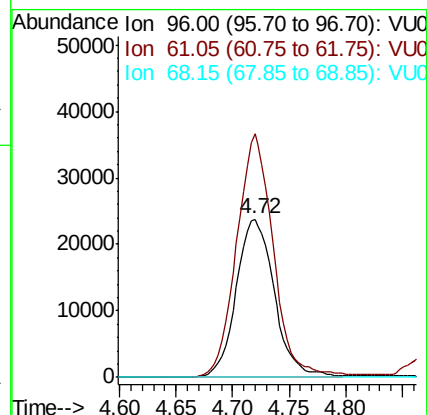
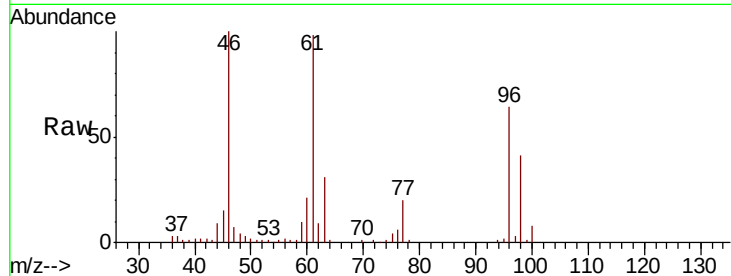




#22  
 cis-1,2-Dichloroethene  
 Concen: 2.096 ug/L  
 RT: 4.72 min Scan# 1051  
 Delta R.T. -0.00 min  
 Lab File: VU035830.D  
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 GARE4

Tot Ion: 96 Resp: 55922  
 Ion Ratio Lower Upper  
 96 100  
 61 154.2 98.1 182.1  
 68 0.0 0.0 0.0



#34  
 Trichloroethene  
 Concen: 23.734 ug/L  
 RT: 6.58 min Scan# 1631  
 Delta R.T. 0.00 min  
 Lab File: VU035830.D  
 Acq: 25 Nov 2019 17:42

Tgt Ion: 95 Resp: 649894  
 Ion Ratio Lower Upper  
 95 100  
 97 65.3 45.1 83.9  
 132 90.4 61.9 114.9  
 130 95.8 66.3 123.1

