

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120419\  
 Data File : VU035965.D  
 Acq On : 04 Dec 2019 12:29  
 Operator : JC/SP  
 Sample : K6056-14DL 20X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFE20DL

Quant Time: Dec 05 04:23:17 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR120319WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Dec 05 03:54:31 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 308689   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 332649   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 105801   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 153340   | 4.36     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 87.20% |
| 7) Chloroethane-d5             | 1.93   | 69    | 125449   | 4.45     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 89.00% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 165768   | 3.28     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 65.60% |
| 20) 2-Butanone-d5              | 4.70   | 46    | 277630   | 44.55    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 89.10% |
| 24) Chloroform-d               | 5.11   | 84    | 222581   | 4.61     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.20% |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 117413   | 4.59     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.80% |
| 32) Benzene-d6                 | 5.77   | 84    | 423427   | 4.30     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 86.00% |
| 36) 1,2-Dichloropropane-d6     | 6.73   | 67    | 139047   | 4.36     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 87.20% |
| 41) Toluene-d8                 | 7.93   | 98    | 339647   | 3.74     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 74.80% |
| 43) trans-1,3-Dichloropropene- | 8.22   | 79    | 49849    | 3.87     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 77.40% |
| 46) 2-Hexanone-d5              | 8.68   | 63    | 207466   | 40.94    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 81.88% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78  | 84    | 117521   | 4.38     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 87.60% |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 108010   | 4.94     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 98.80% |

## Target Compounds

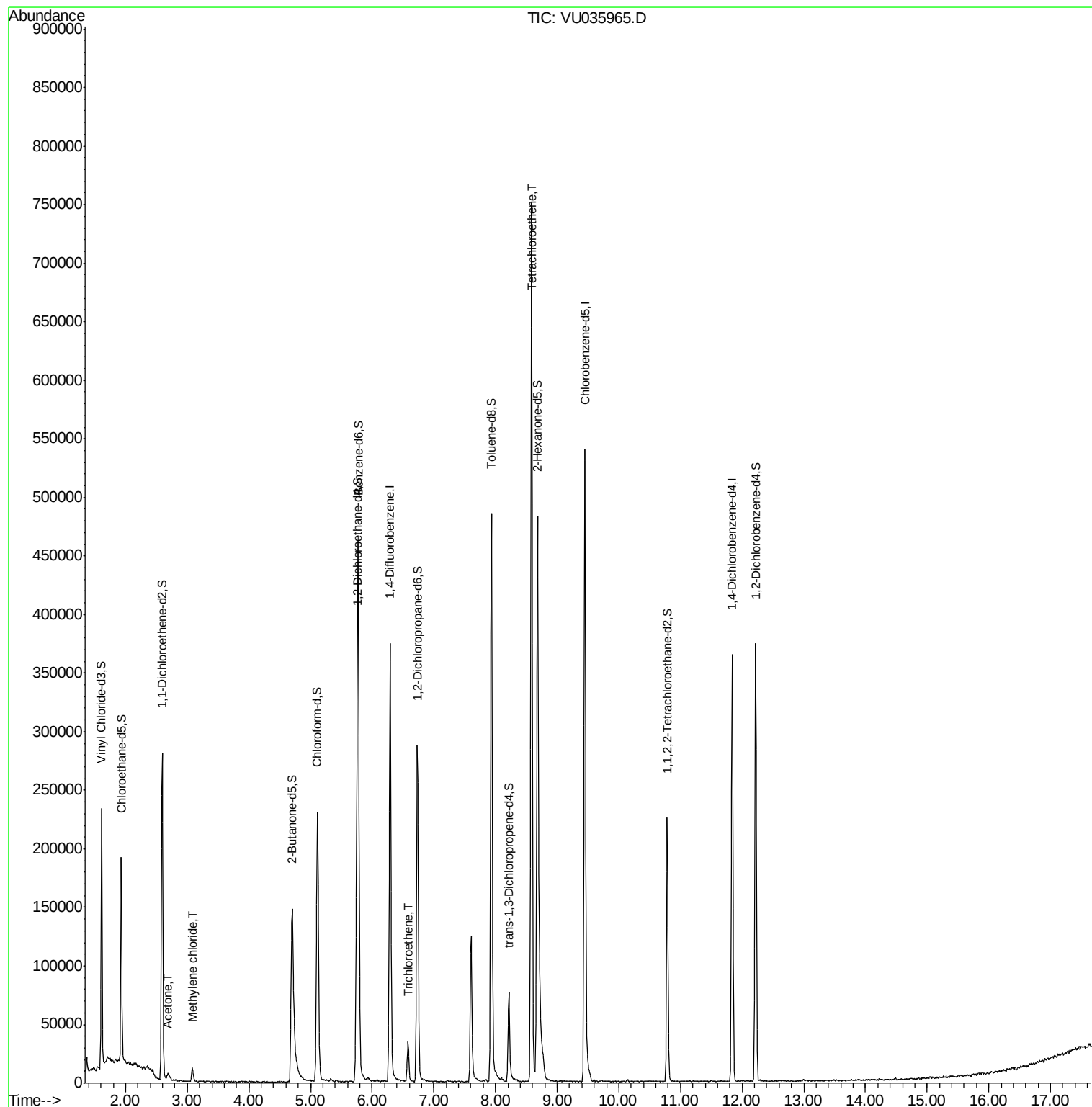
|                        |      |     |        |       | Ovalue  |
|------------------------|------|-----|--------|-------|---------|
| 13) Acetone            | 2.69 | 43  | 7814   | 1.387 | ug/L 79 |
| 16) Methylene chloride | 3.09 | 84  | 5660   | 0.165 | ug/L 94 |
| 34) Trichloroethene    | 6.58 | 95  | 11740  | 0.444 | ug/L 91 |
| 47) Tetrachloroethene  | 8.58 | 164 | 177149 | 8.239 | ug/L 95 |

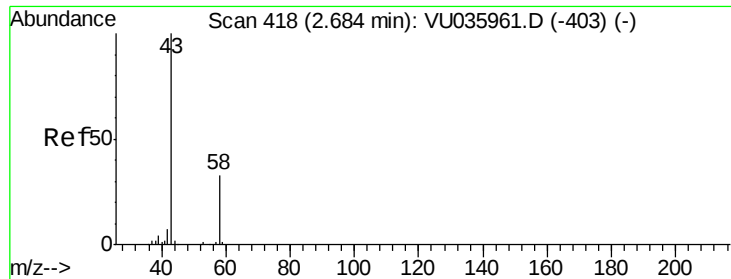
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.387 ug/L

RT: 2.69 min Scan# 419

Delta R.T. 0.00 min

Lab File: VU035965.D

Acq: 04 Dec 2019 12:29

Instrument :

MSVOA\_U

ClientSampleId :

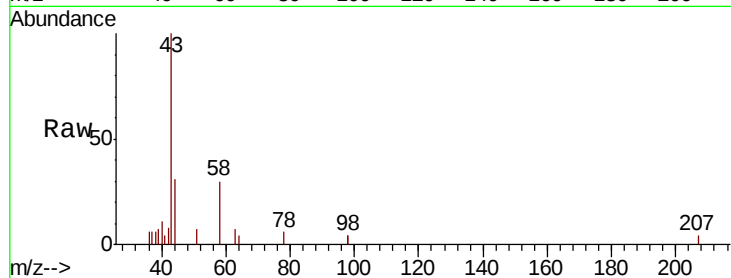
BFE20DL

Tot Ion: 43 Resp: 7814

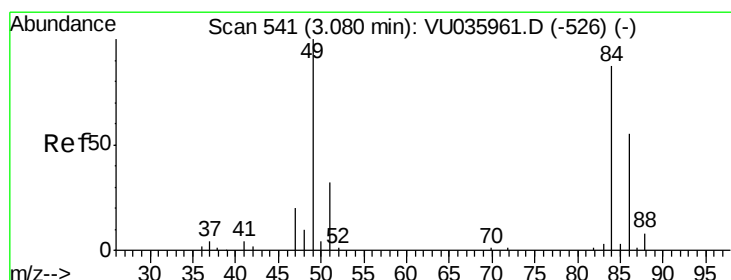
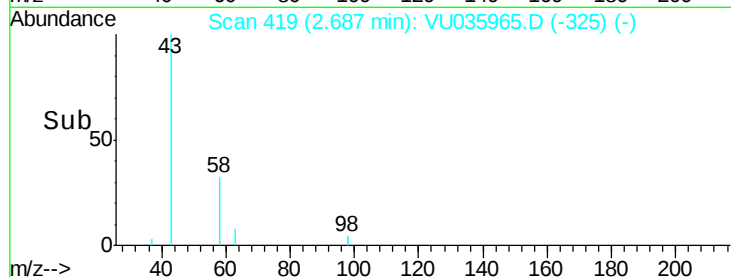
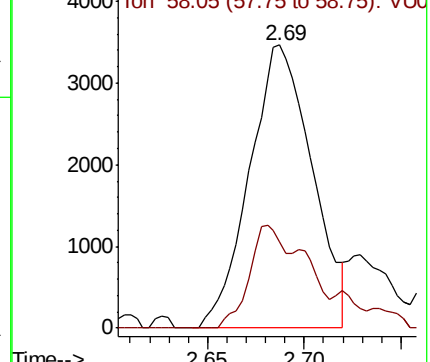
Ion Ratio Lower Upper

43 100

58 22.1 0.0 68.6



Abundance Ion 43.05 (42.75 to 43.75): VU035965.D (-325) (-)



#16

Methylene chloride

Concen: 0.165 ug/L

RT: 3.09 min Scan# 543

Delta R.T. 0.01 min

Lab File: VU035965.D

Acq: 04 Dec 2019 12:29

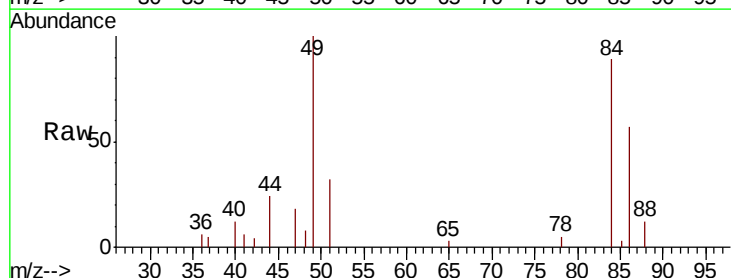
Tgt Ion: 84 Resp: 5660

Ion Ratio Lower Upper

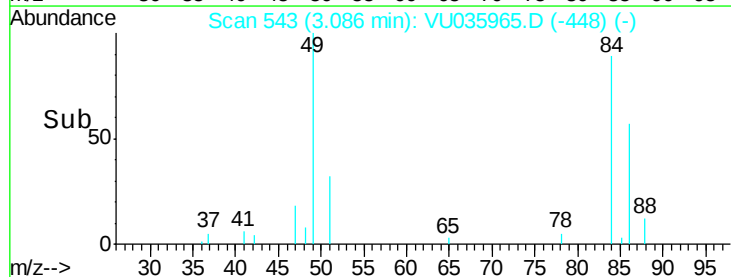
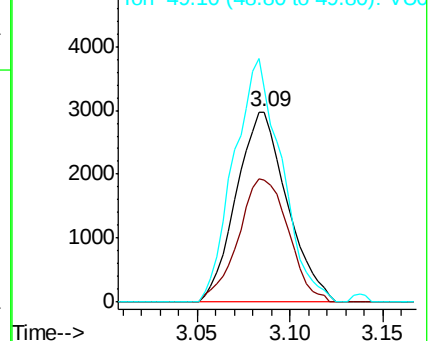
84 100

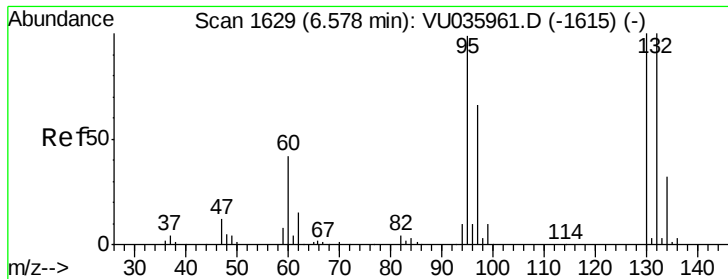
86 64.3 44.7 82.9

49 112.8 86.2 160.2



Abundance Ion 84.05 (83.75 to 84.75): VU035965.D (-448) (-)

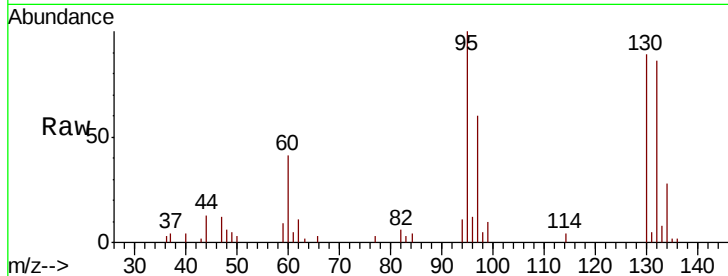




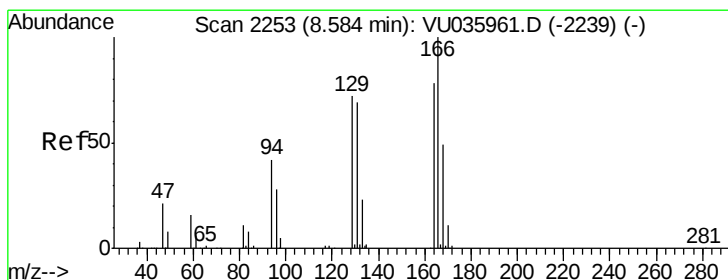
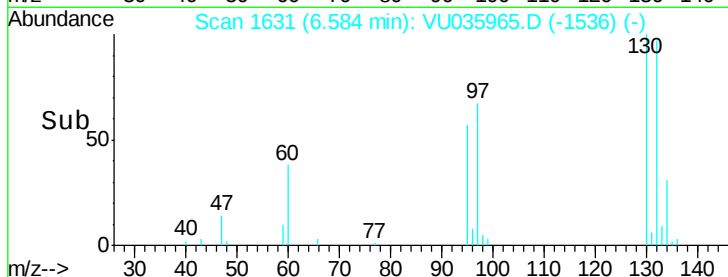
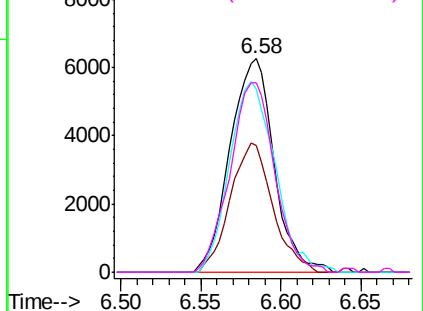
#34  
 Trichloroethene  
 Concen: 0.444 ug/L  
 RT: 6.58 min Scan# 1631  
 Delta R.T. 0.01 min  
 Lab File: VU035965.D  
 Acq: 04 Dec 2019 12:29

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFE20DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 95    | Resp: | 11740 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 59.5  | 46.3  | 85.9  |
| 132      | 85.6  | 65.7  | 122.1 |
| 130      | 88.6  | 69.2  | 128.6 |

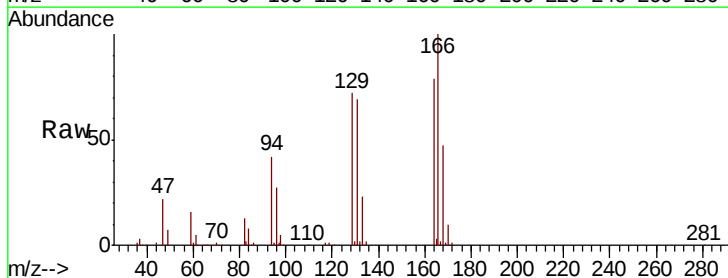


Abundance Ion 95.00 (94.70 to 95.70): VU035965.D (-1631) (-)  
 Ion 96.95 (96.65 to 97.65): VU035965.D (-1631) (-)  
 Ion 131.95 (131.65 to 132.65): VU035965.D (-1631) (-)  
 Ion 129.95 (129.65 to 130.65): VU035965.D (-1631) (-)



#47  
 Tetrachloroethene  
 Concen: 8.239 ug/L  
 RT: 8.58 min Scan# 2253  
 Delta R.T. -0.00 min  
 Lab File: VU035965.D  
 Acq: 04 Dec 2019 12:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 177149 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 91.5  | 67.9  | 126.1  |
| 131      | 87.5  | 64.1  | 119.1  |
| 166      | 126.4 | 92.6  | 172.0  |



Abundance Ion 163.90 (163.60 to 164.60): VU035965.D (-2253) (-)  
 Ion 128.95 (128.65 to 129.65): VU035965.D (-2253) (-)  
 Ion 130.95 (130.65 to 131.65): VU035965.D (-2253) (-)  
 Ion 165.90 (165.60 to 166.60): VU035965.D (-2253) (-)

