

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102519\  
 Data File : VU035502.D  
 Acq On : 25 Oct 2019 21:40  
 Operator : JC/SP  
 Sample : K5554-11  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAQ91

Quant Time: Oct 26 05:48:57 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR102519WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Oct 26 04:07:11 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 195446   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 223082   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 86849    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 122037   | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 94.00%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 101108   | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 95.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 155078   | 3.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 72.80%  |
| 20) 2-Butanone-d5              | 4.71   | 46    | 256683   | 49.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 99.78%  |
| 24) Chloroform-d               | 5.11   | 84    | 190095   | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 102.00% |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 103834   | 5.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 102.60% |
| 32) Benzene-d6                 | 5.77   | 84    | 372476   | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.74   | 67    | 124127   | 4.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 97.20%  |
| 41) Toluene-d8                 | 7.93   | 98    | 306805   | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 86.40%  |
| 43) trans-1,3-Dichloropropene- | 8.22   | 79    | 44027    | 4.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 88.60%  |
| 46) 2-Hexanone-d5              | 8.68   | 63    | 182170   | 47.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 94.72%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 97241    | 4.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 93.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 96705    | 5.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 110.20% |

## Target Compounds

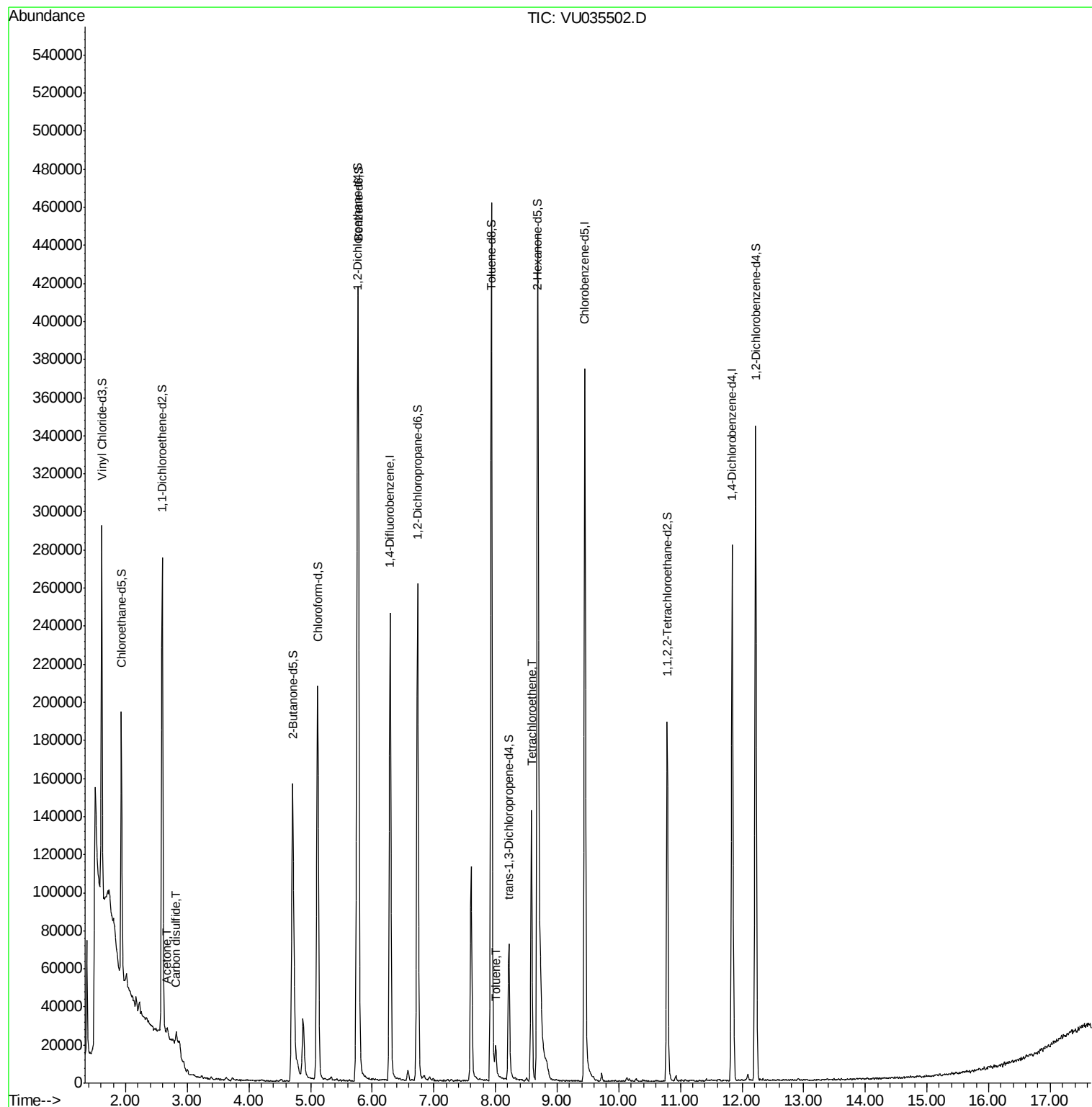
|                       |      |     |       |              | Ovalue |
|-----------------------|------|-----|-------|--------------|--------|
| 13) Acetone           | 2.68 | 43  | 6972  | 1.784 ug/L   | 91     |
| 14) Carbon disulfide  | 2.82 | 76  | 7480  | 0.114 ug/L # | 78     |
| 42) Toluene           | 8.01 | 91  | 9845  | 0.109 ug/L   | 90     |
| 47) Tetrachloroethene | 8.59 | 164 | 32454 | 1.811 ug/L   | 96     |

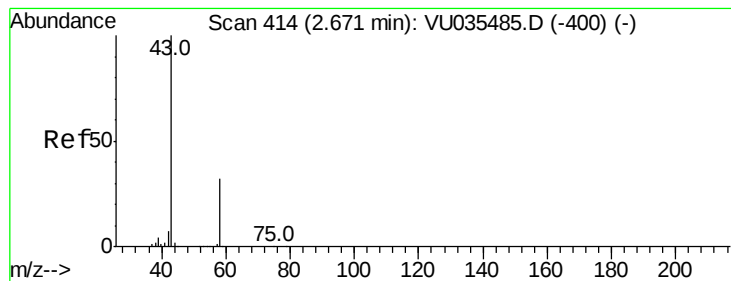
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.784 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.01 min

Lab File: VU035502.D

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Instrument :

MSVOA\_U

ClientSampleId :

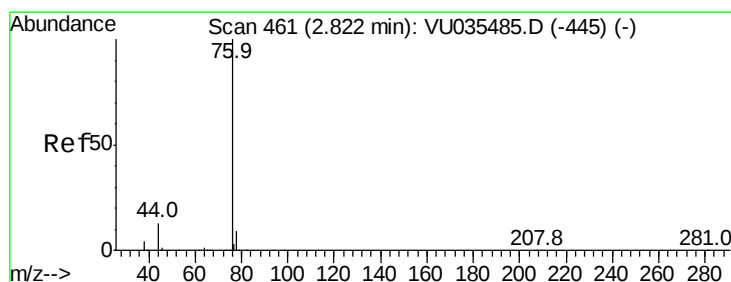
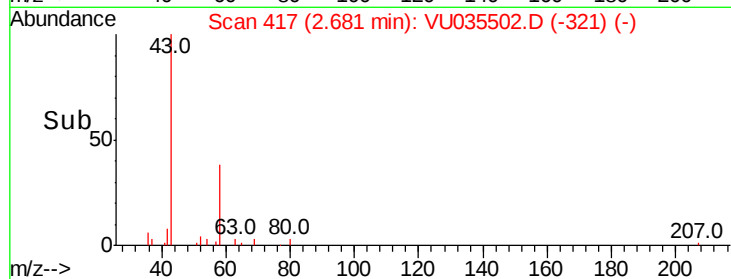
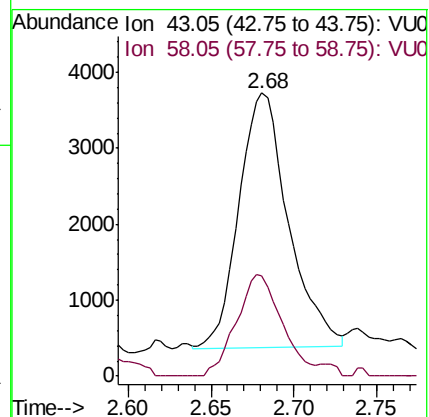
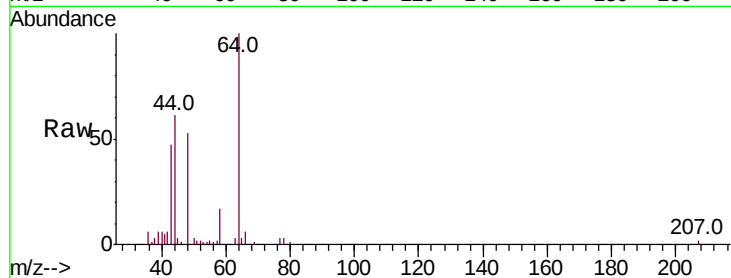
GAQ91

Tot Ion: 43 Resp: 6972

Ion Ratio Lower Upper

43 100

58 36.5 0.0 63.2



#14

Carbon disulfide

Concen: 0.114 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035502.D

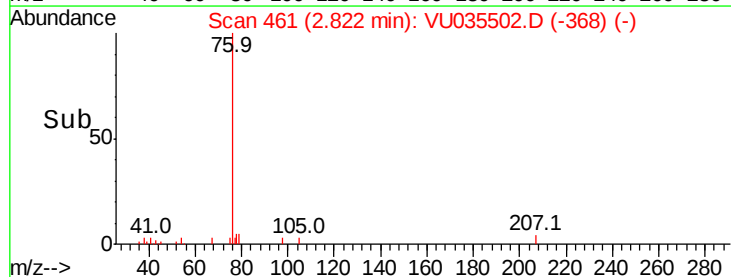
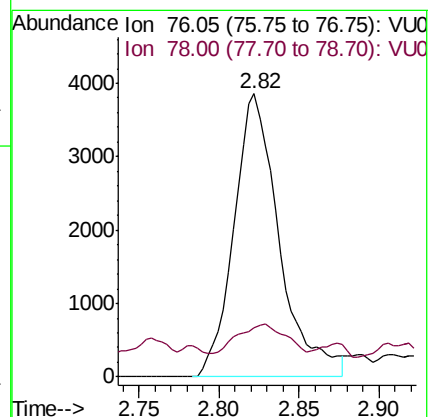
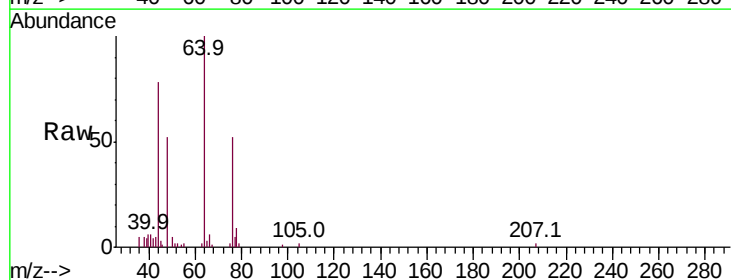
Acq: 25 Oct 2019 21:40

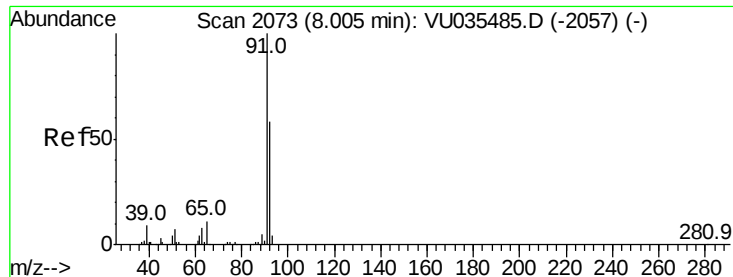
Tgt Ion: 76 Resp: 7480

Ion Ratio Lower Upper

76 100

78 17.2 7.3 10.9#





#42

Toluene

Concen: 0.109 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035502.D

Acq: 25 Oct 2019 21:40

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ClientSampleId :

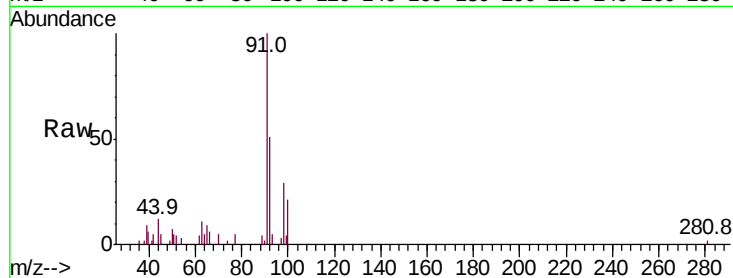
GAQ91

Tot Ion: 91 Resp: 9845

Ion Ratio Lower Upper

91 100

92 50.8 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU035485.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035485.D (-2057) (-)

8.01

6000

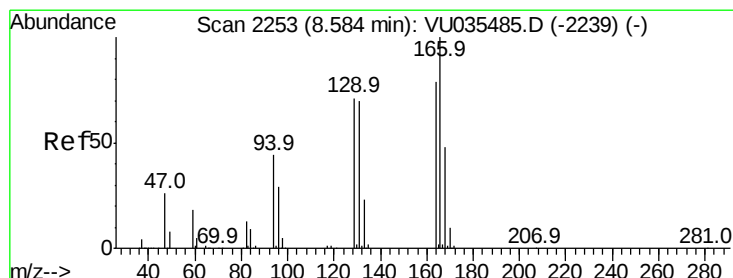
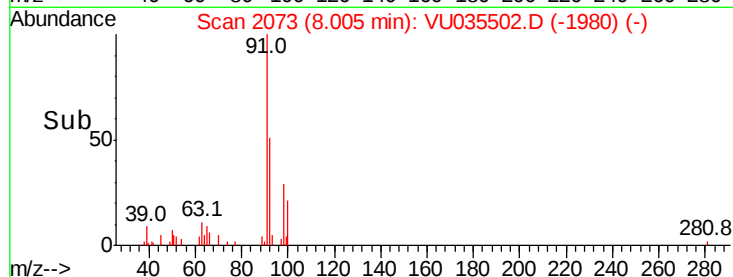
4000

2000

0

7.95 8.00 8.05

Time-->



#47

Tetrachloroethene

Concen: 1.811 ug/L

RT: 8.59 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VU035502.D

Acq: 25 Oct 2019 21:40

Tgt Ion: 164 Resp: 32454

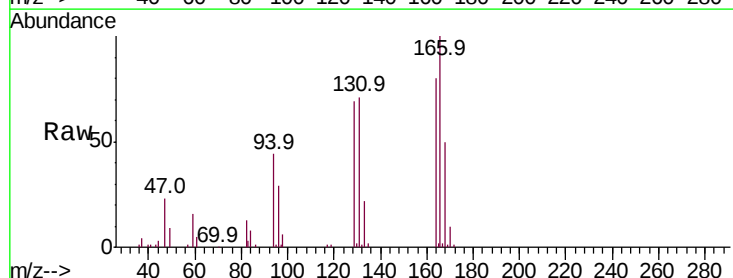
Ion Ratio Lower Upper

164 100

129 85.7 64.6 120.0

131 88.9 63.1 117.3

166 124.4 90.4 168.0



Abundance Ion 163.90 (163.60 to 164.60): VU035485.D (-2239) (-)

Ion 128.95 (128.65 to 129.65): VU035485.D (-2239) (-)

Ion 130.95 (130.65 to 131.65): VU035485.D (-2239) (-)

Ion 165.90 (165.60 to 166.60): VU035485.D (-2239) (-)

8.59

30000

20000

10000

0

8.50 8.55 8.60 8.65

Time-->

