

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092420\  
 Data File : VU040266.D  
 Acq On : 24 Sep 2020 12:20  
 Operator : SY/MD  
 Sample : VU0924WBL01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VBLK201

Quant Time: Sep 25 09:50:37 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SFAMULM092420WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 25 09:34:00 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 431256   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 420210   | 50.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 189450   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60    | 65    | 160091   | 44.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 89.28%  |
| 7) Chloroethane-d5             | 1.92    | 69    | 124800   | 46.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 92.82%  |
| 11) 1,1-Dichloroethene-d2      | 2.58    | 63    | 239698   | 34.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 68.78%  |
| 21) 2-Butanone-d5              | 4.64    | 46    | 293697   | 96.66    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 96.66%  |
| 24) Chloroform-d               | 5.08    | 84    | 283146   | 44.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.82%  |
| 26) 1,2-Dichloroethane-d4      | 5.72    | 65    | 206780   | 45.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.78%  |
| 32) Benzene-d6                 | 5.74    | 84    | 560254   | 47.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.18%  |
| 36) 1,2-Dichloropropane-d6     | 6.70    | 67    | 188514   | 46.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 93.58%  |
| 41) Toluene-d8                 | 7.91    | 98    | 490436   | 45.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.40%  |
| 43) trans-1,3-Dichloropropene- | 8.19    | 79    | 92559    | 45.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 90.38%  |
| 47) 2-Hexanone-d5              | 8.64    | 63    | 174049   | 97.52    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 97.52%  |
| 56) 1,1,2,2-Tetrachloroethane- | 10.75   | 84    | 254435   | 44.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 89.24%  |
| 66) 1,2-Dichlorobenzene-d4     | 12.19   | 152   | 183138   | 50.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.50% |

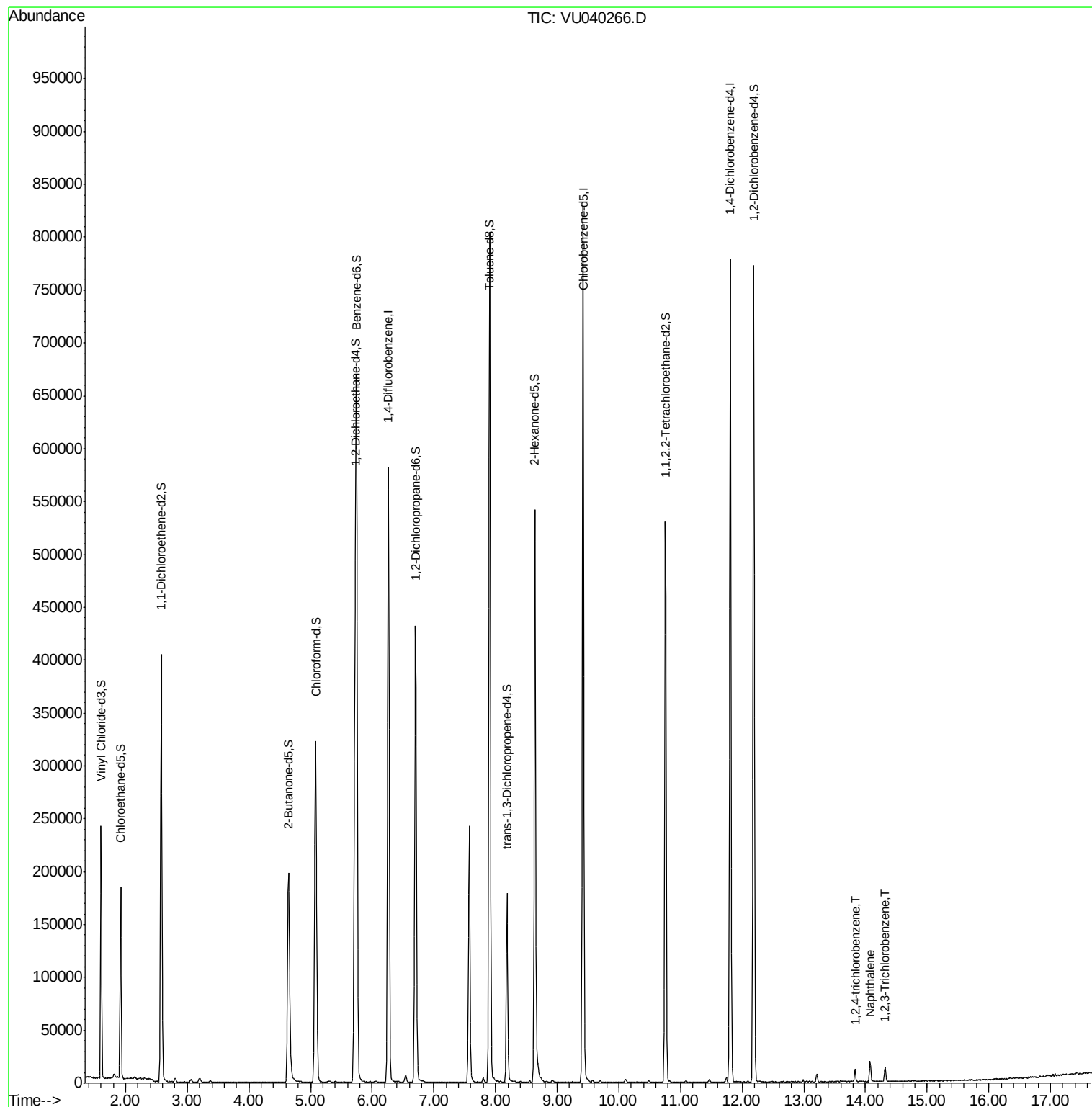
| Target Compounds           |       |     |       |            | Ovalue |
|----------------------------|-------|-----|-------|------------|--------|
| 70) 1,2,4-trichlorobenzene | 13.83 | 180 | 3797  | 1.087 ug/L | 97     |
| 71) Naphthalene            | 14.08 | 128 | 16051 | 1.484 ug/L | 97     |
| 72) 1,2,3-Trichlorobenzene | 14.32 | 180 | 4270  | 1.239 ug/L | 98     |

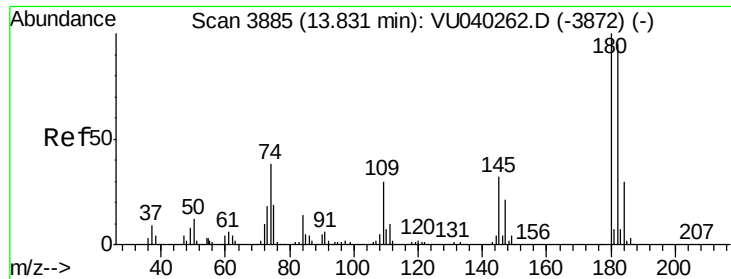
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#70

1,2,4-trichlorobenzene

Concen: 1.087 ug/L

RT: 13.83 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VU040266.D

Acq: 24 Sep 2020 12:20

Instrument :

MSVOA\_U

ClientSampleId :

VBLK201

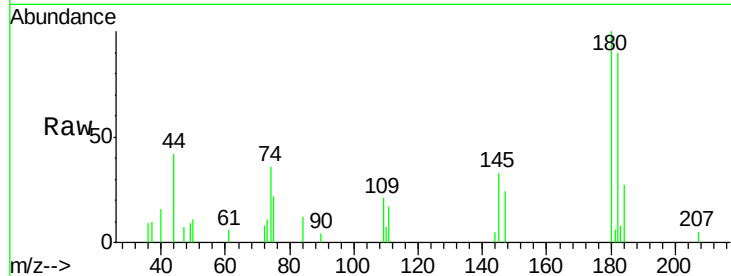
Tot Ion:180 Resp: 3797

Ion Ratio Lower Upper

180 100

182 92.3 76.3 114.5

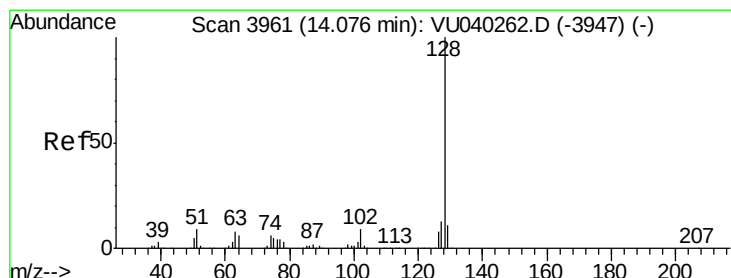
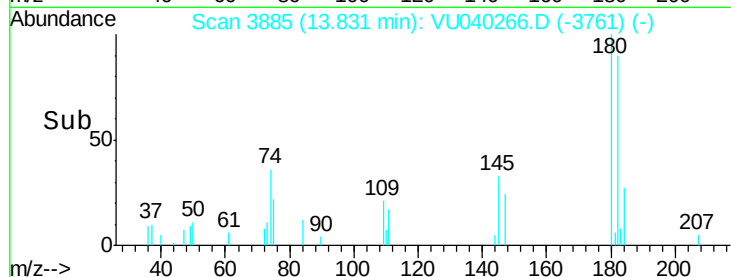
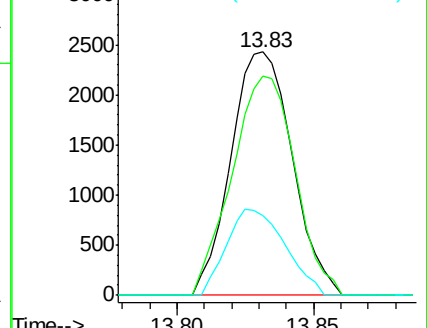
145 33.7 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#71

Naphthalene

Concen: 1.484 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040266.D

Acq: 24 Sep 2020 12:20

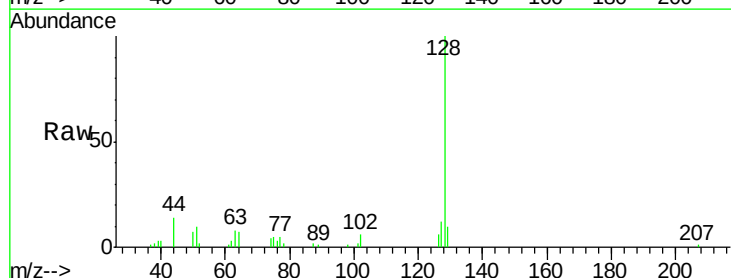
Tgt Ion:128 Resp: 16051

Ion Ratio Lower Upper

128 100

127 11.2 10.3 15.5

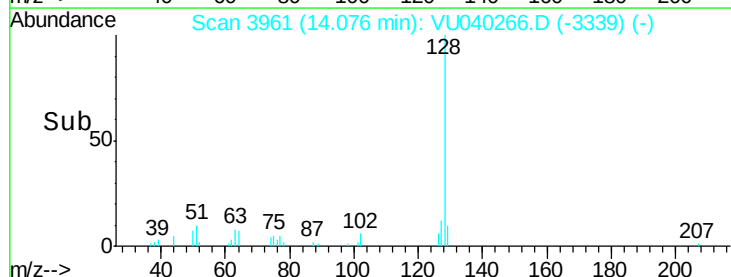
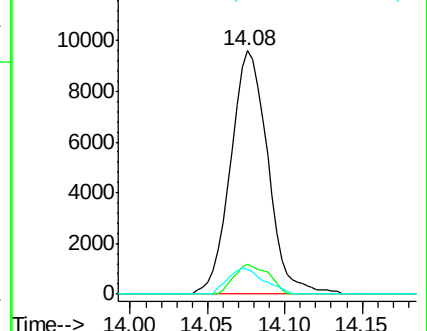
129 10.2 8.8 13.2

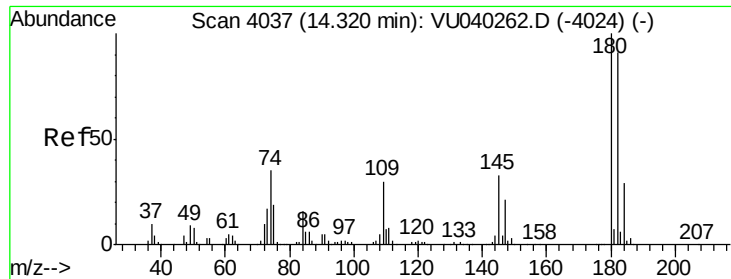


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#72

1,2,3-Trichlorobenzene

Concen: 1.239 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU040266.D

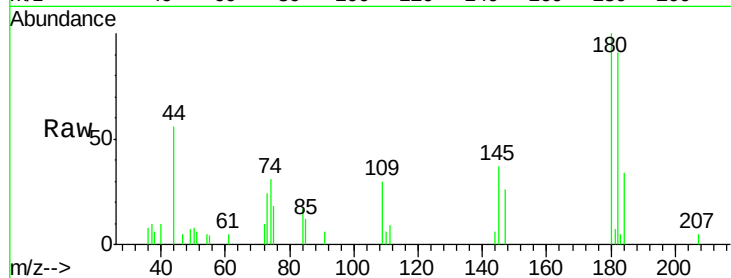
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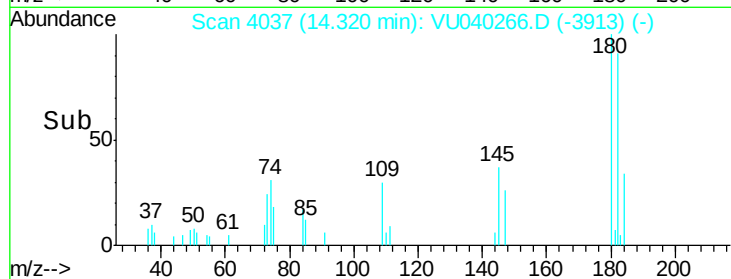
Tot Ion:180 Resp: 4270

Ion Ratio Lower Upper

180 100

182 93.3 74.2 111.4

145 30.2 27.8 41.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

