

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU082418\  
 Data File : VU026334.D  
 Acq On : 24 Aug 2018 15:28  
 Operator : MD/SY  
 Sample : J4624-03ME  
 Misc : 6.32g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E4429ME

Quant Time: Aug 25 04:10:54 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082218WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 25 02:29:46 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 319838   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 321857   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 169117   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 76353    | 39.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 78.28%  |
| 7) Chloroethane-d5             | 1.64    | 69    | 49030    | 30.82    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 61.64%# |
| 11) 1,1-Dichloroethene-d2      | 2.24    | 63    | 117695   | 30.70    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 61.40%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 131826   | 84.67    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 84.67%  |
| 24) Chloroform-d               | 4.64    | 84    | 178245   | 40.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 81.98%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 121263   | 42.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 85.70%  |
| 32) Benzene-d6                 | 5.34    | 84    | 348452   | 40.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 80.94%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 114015   | 41.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 82.48%  |
| 41) Toluene-d8                 | 7.57    | 98    | 318154   | 38.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 77.32%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 55406    | 38.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 77.58%  |
| 47) 2-Hexanone-d5              | 8.33    | 63    | 104308   | 88.28    | ug/L | 0.01    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 88.28%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 177208   | 43.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 86.62%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 152881   | 42.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 85.20%  |

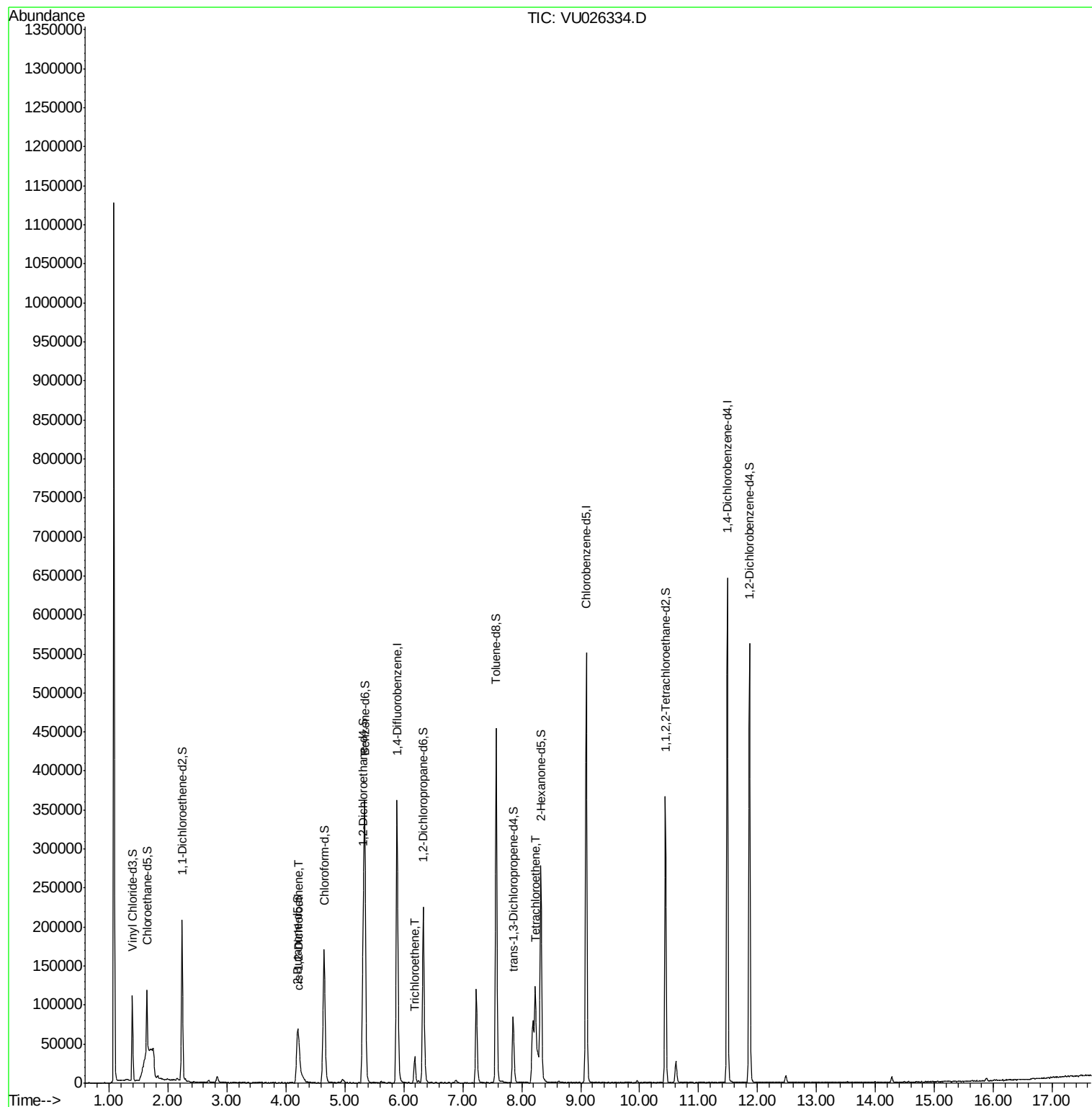
| Target Compounds           |      |     |       |            | Qvalue |
|----------------------------|------|-----|-------|------------|--------|
| 20) cis-1,2-Dichloroethene | 4.22 | 96  | 11738 | 5.125 ug/L | 98     |
| 34) Trichloroethene        | 6.18 | 95  | 11147 | 4.804 ug/L | 93     |
| 46) Tetrachloroethene      | 8.23 | 164 | 19439 | 9.736 ug/L | 90     |

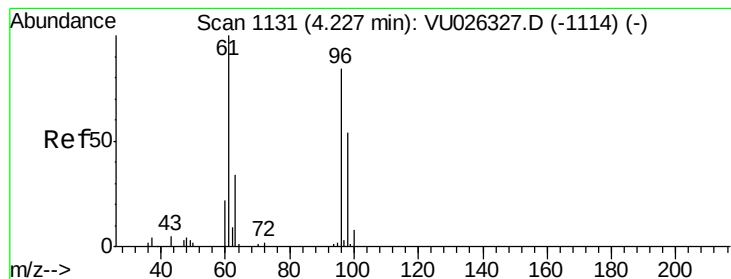
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 25 02:29:46 2018  
Response via : Initial Calibration





#20

cis-1,2-Dichloroethene

Concen: 5.125 ug/L

RT: 4.22 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VU026334.D

Acq: 24 Aug 2018 15:28

Instrument :

MSVOA\_U

ClientSampleId :

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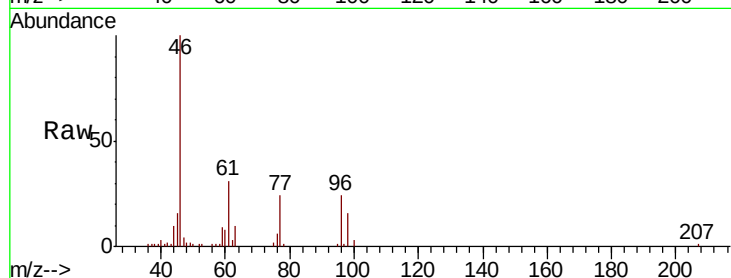
Tgt Ion: 96 Resp: 11738

Ion Ratio Lower Upper

96 100

61 126.7 90.3 167.7

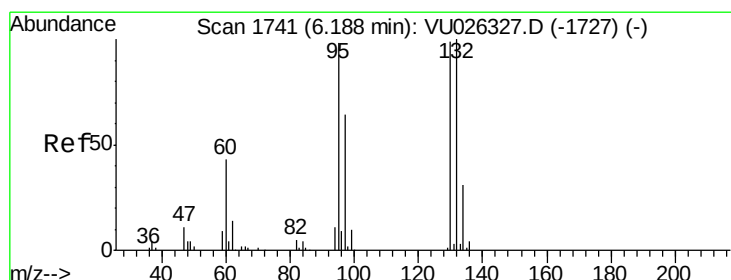
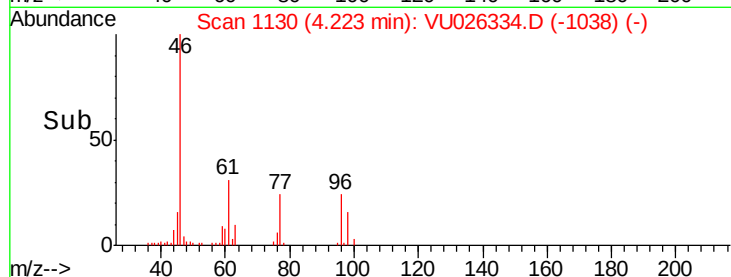
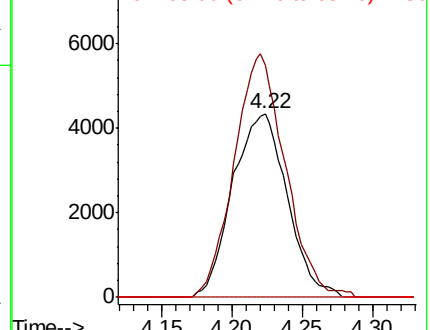
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0



#34

Trichloroethene

Concen: 4.804 ug/L

RT: 6.18 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VU026334.D

Acq: 24 Aug 2018 15:28

Tgt Ion: 95 Resp: 11147

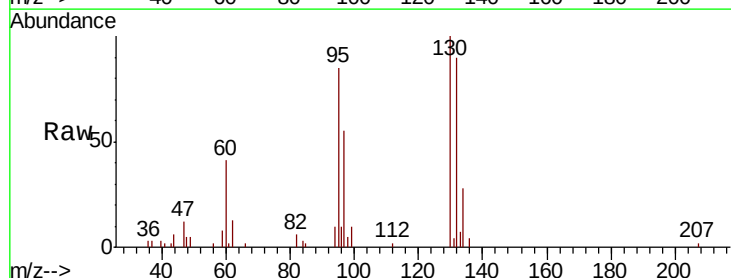
Ion Ratio Lower Upper

95 100

97 64.8 47.2 87.6

132 105.1 70.2 130.4

130 117.0 73.4 136.4

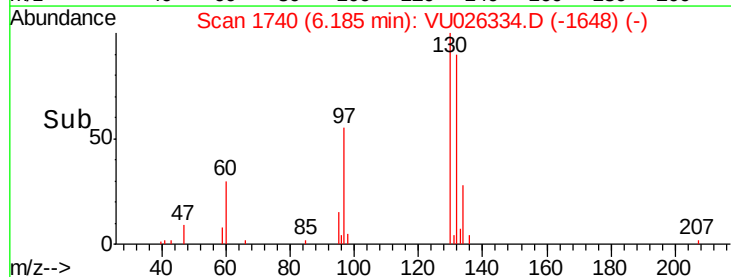
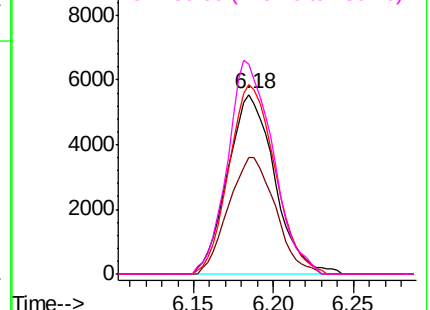


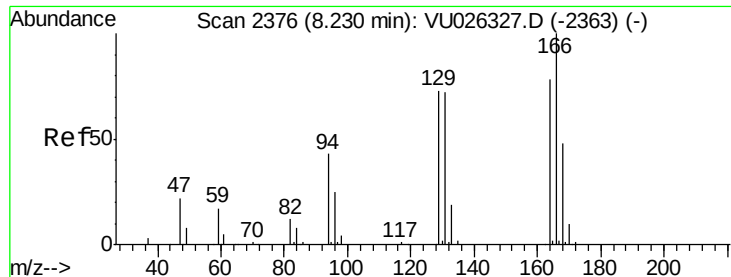
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#46

Tetrachloroethene

Concen: 9.736 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU026334.D

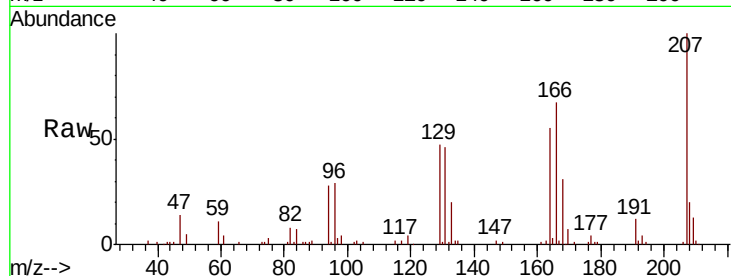
Acq: 24 Aug 2018 15:28

Instrument :

MSVOA\_U

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Tgt Ion:164 Resp: 19439

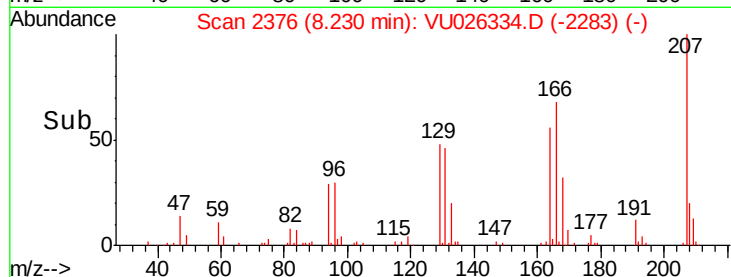
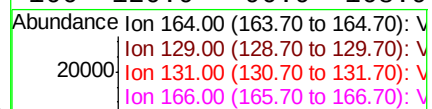
Ion Ratio Lower Upper

164 100

129 85.2 67.3 124.9

131 82.1 65.5 121.7

166 120.9 90.9 168.9



Time-->