

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100920\  
 Data File : VU040594.D  
 Acq On : 09 Oct 2020 19:11  
 Operator : SY/MD  
 Sample : L4349-07  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFSE5

Quant Time: Oct 10 05:41:00 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100820WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Oct 10 04:13:39 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 126072   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 127874   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 57512    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 48532    | 4.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 93.00%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 39626    | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 98.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 70678    | 3.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 69.20%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 187289   | 56.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 112.06% |
| 24) Chloroform-d               | 5.08   | 84    | 91614    | 5.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.00% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 57058    | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 102.20% |
| 32) Benzene-d6                 | 5.74   | 84    | 171116   | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 58327    | 5.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 101.80% |
| 41) Toluene-d8                 | 7.91   | 98    | 140672   | 4.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.20%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 23287    | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 96.00%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 132821   | 53.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 106.28% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 50863    | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 99.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 56980    | 5.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 106.80% |

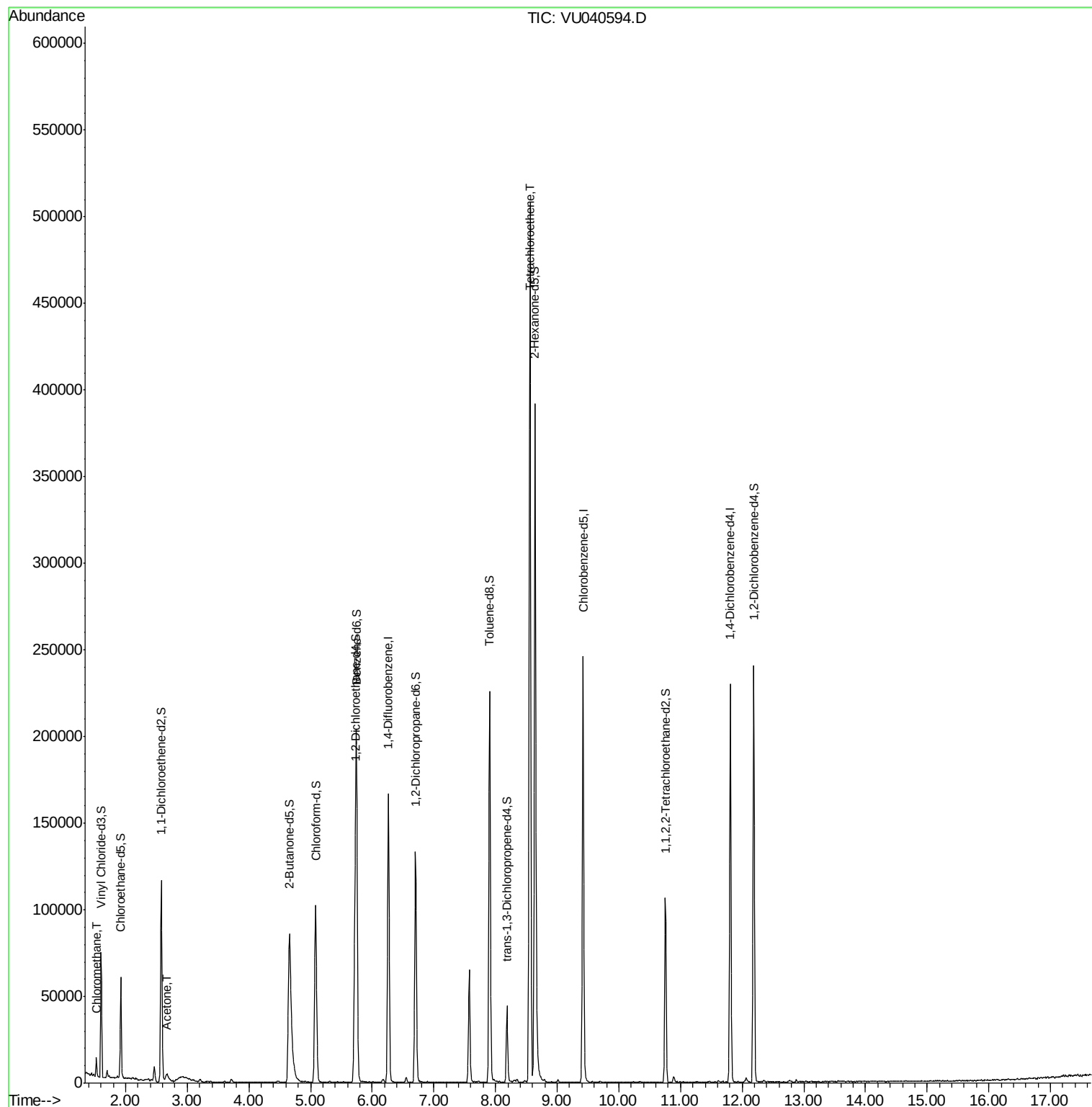
| Target Compounds      |      |     |        |             | Ovalue |
|-----------------------|------|-----|--------|-------------|--------|
| 3) Chloromethane      | 1.53 | 50  | 7300   | 0.683 ug/L  | 98     |
| 13) Acetone           | 2.67 | 43  | 10802  | 4.169 ug/L  | 89     |
| 47) Tetrachloroethene | 8.56 | 164 | 105991 | 13.951 ug/L | 95     |

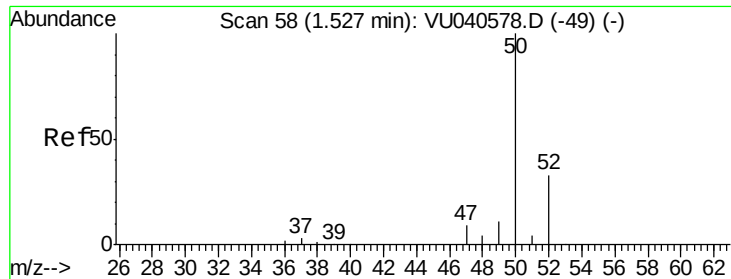
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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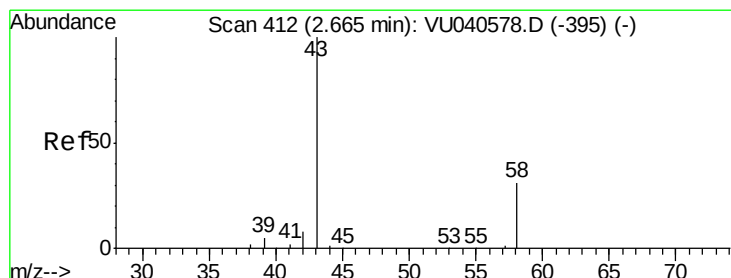
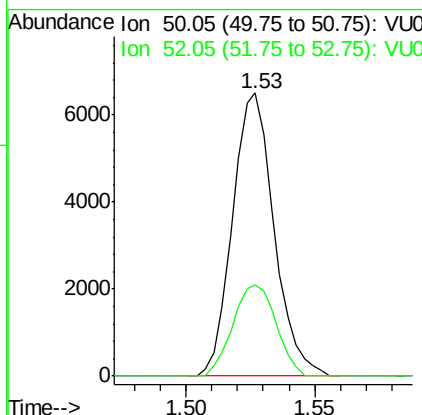
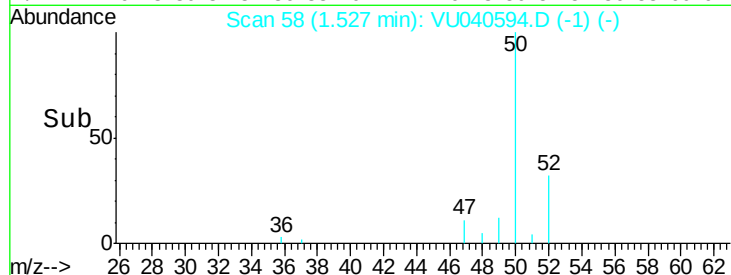
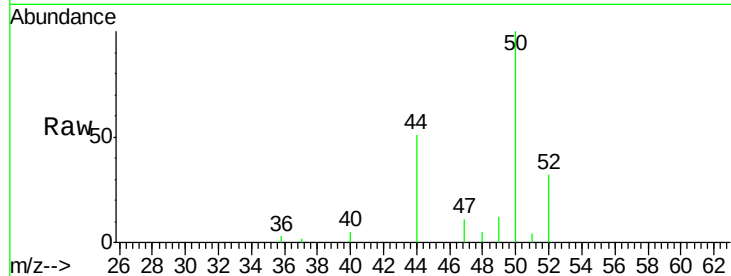




#3  
 Chloromethane  
 Concen: 0.683 ug/L  
 RT: 1.53 min Scan# 58  
 Delta R.T. 0.00 min  
 Lab File: VU040594.D  
 Acq: 09 Oct 2020 19:11

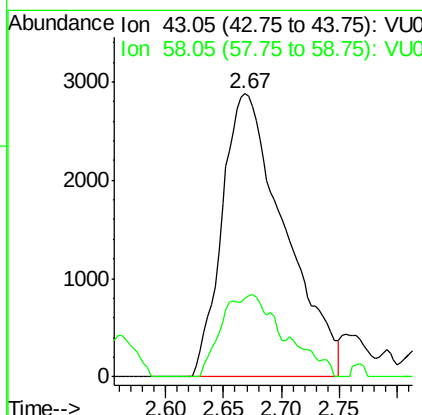
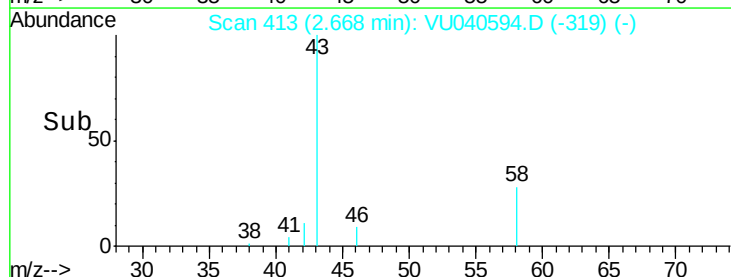
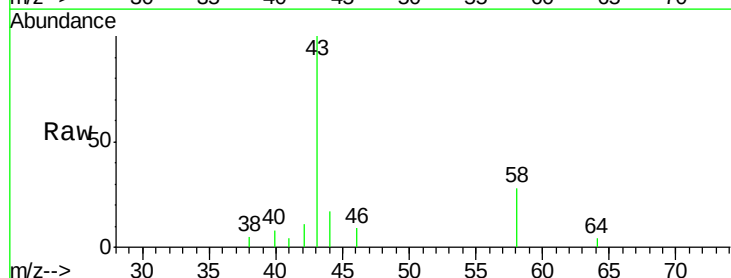
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
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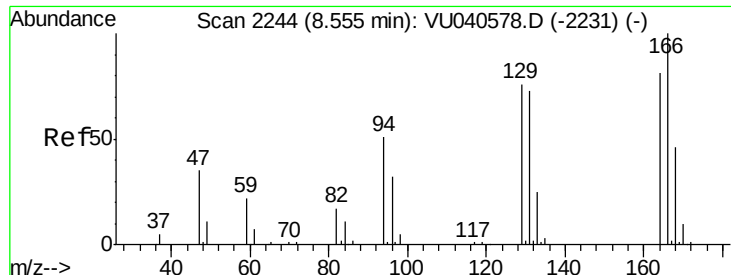
Tot Ion: 50 Resp: 7300  
 Ion Ratio Lower Upper  
 50 100  
 52 32.4 21.9 40.7



#13  
 Acetone  
 Concen: 4.169 ug/L  
 RT: 2.67 min Scan# 413  
 Delta R.T. 0.00 min  
 Lab File: VU040594.D  
 Acq: 09 Oct 2020 19:11

Tgt Ion: 43 Resp: 10802  
 Ion Ratio Lower Upper  
 43 100  
 58 24.1 0.0 60.6





#47

Tetrachloroethene

Concen: 13.951 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040594.D

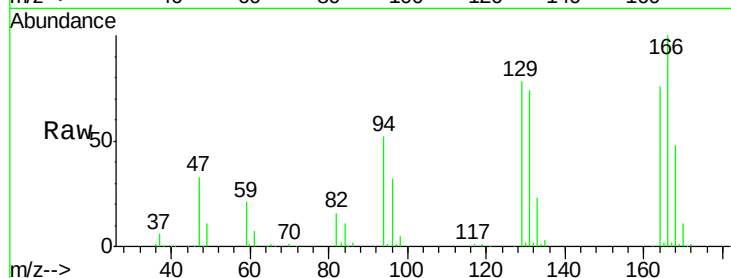
Acq: 09 Oct 2020 19:11

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ClientSampleId :

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Tot Ion:164 Resp: 105991

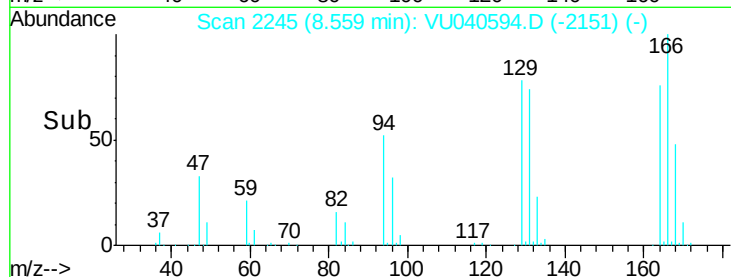
Ion Ratio Lower Upper

164 100

129 102.0 68.8 127.8

131 96.4 66.7 123.9

166 130.7 83.9 155.7



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

