

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\  
 Data File : VU040313.D  
 Acq On : 25 Sep 2020 20:33  
 Operator : SY/MD  
 Sample : L4139-01  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BG499

Quant Time: Sep 26 07:28:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR083120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Sep 26 06:44:13 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 119795   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 121554   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 53650    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 30752    | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 94.00%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 29452    | 5.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 108.20% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 51430    | 3.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 61.20%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 153141   | 58.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 117.08% |
| 24) Chloroform-d               | 5.08   | 84    | 71134    | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 45846    | 4.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.20%  |
| 32) Benzene-d6                 | 5.74   | 84    | 130342   | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 45419    | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 97.00%  |
| 41) Toluene-d8                 | 7.91   | 98    | 104381   | 4.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 81.40%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 16873    | 3.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 78.60%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 100482   | 49.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 98.74%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 39678    | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 98.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 42064    | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 96.80%  |

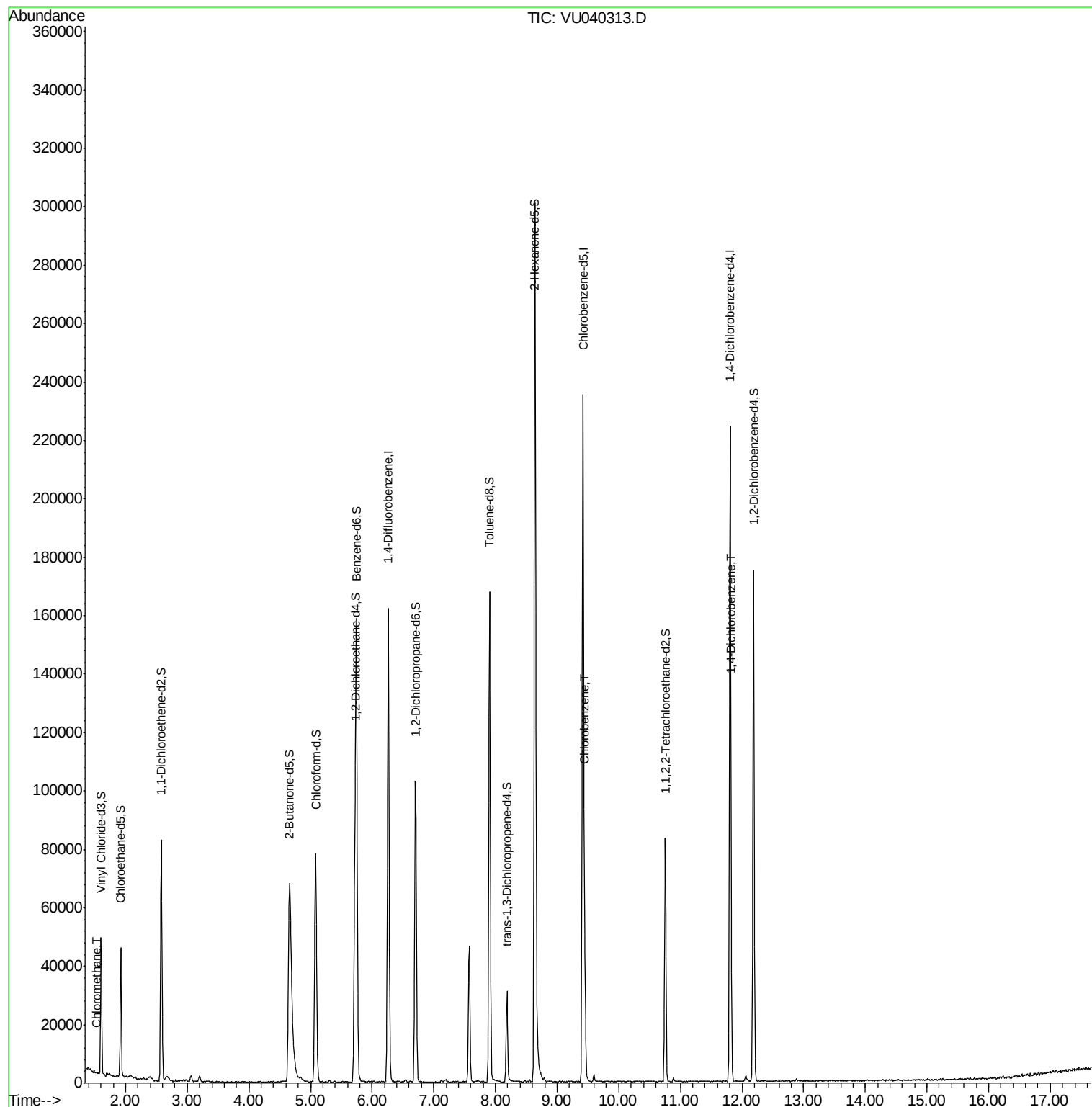
| Target Compounds        |       |     |       |            | Ovalue |
|-------------------------|-------|-----|-------|------------|--------|
| 3) Chloromethane        | 1.53  | 50  | 679   | 0.060 ug/L | 92     |
| 51) Chlorobenzene       | 9.45  | 112 | 21022 | 0.756 ug/L | 93     |
| 63) 1,4-Dichlorobenzene | 11.83 | 146 | 2272  | 0.115 ug/L | 92     |

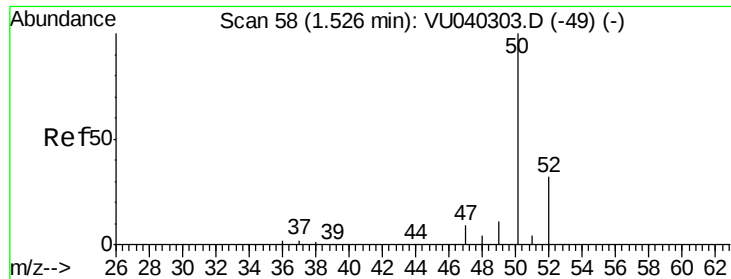
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.060 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU040313.D

Acq: 25 Sep 2020 20:33

Instrument :

MSVOA\_U

ClientSampleId :

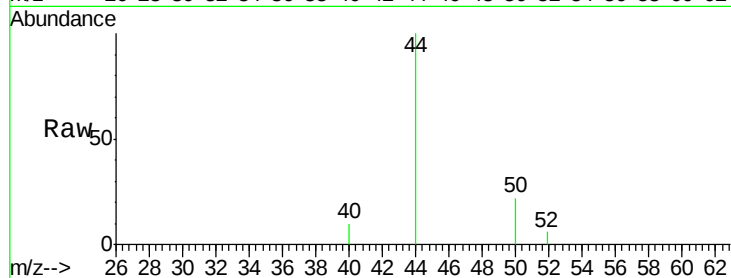
BG499

Tot Ion: 50 Resp: 679

Ion Ratio Lower Upper

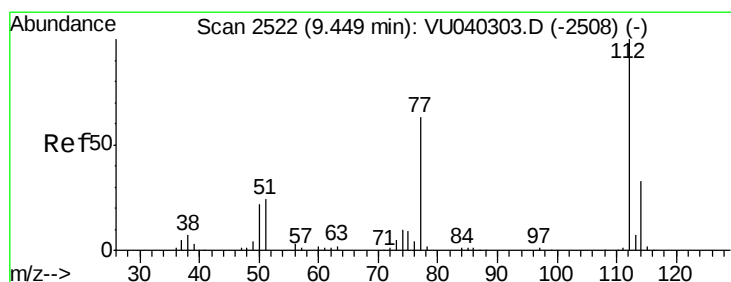
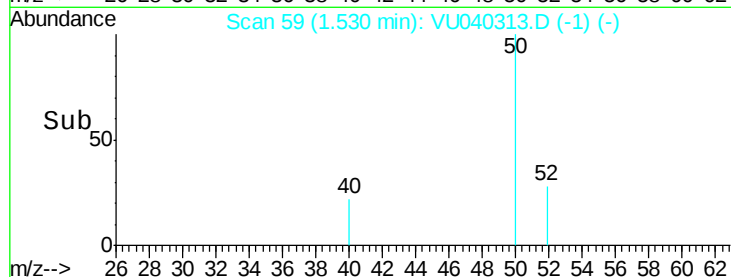
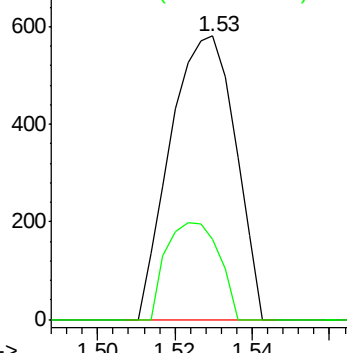
50 100

52 28.2 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#51

Chlorobenzene

Concen: 0.756 ug/L

RT: 9.45 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VU040313.D

Acq: 25 Sep 2020 20:33

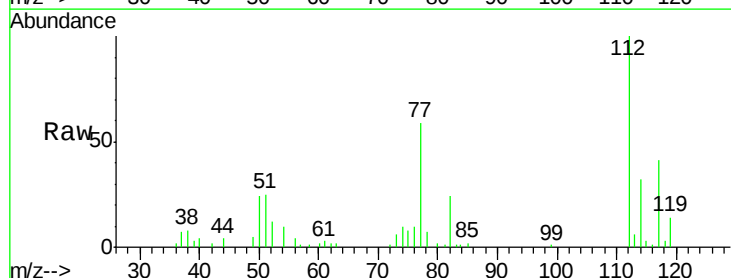
Tgt Ion: 112 Resp: 21022

Ion Ratio Lower Upper

112 100

114 31.8 22.7 42.3

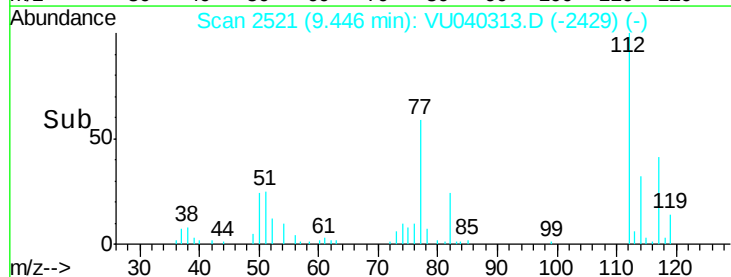
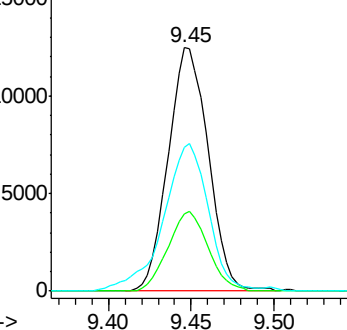
77 59.3 53.2 79.8

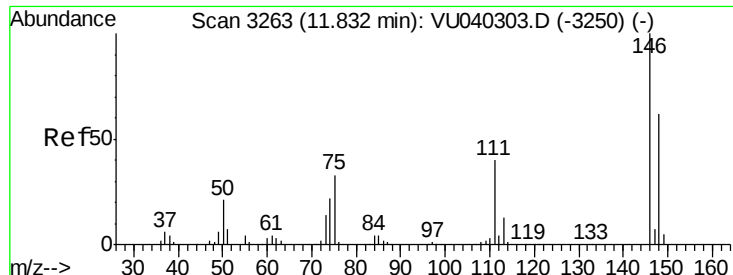


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0





#63

1,4-Dichlorobenzene

Concen: 0.115 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. -0.00 min

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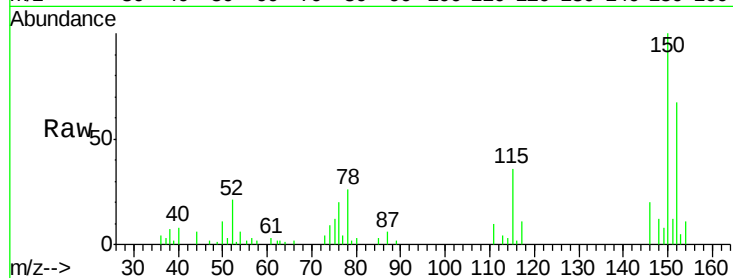
Tot Ion:146 Resp: 2272

Ion Ratio Lower Upper

146 100

111 50.7 30.5 56.7

148 60.7 45.4 84.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

