

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071620\  
 Data File : VU039533.D  
 Acq On : 16 Jul 2020 18:46  
 Operator : SY/MD  
 Sample : L3292-16DL 20X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFT91DL

Quant Time: Jul 18 03:50:36 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR070720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jul 17 23:38:36 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.27  | 114  | 92937    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 89661    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 40544    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 18787    | 3.49     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 69.80% |
| 7) Chloroethane-d5             | 1.92   | 69    | 27010    | 4.90     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 98.00% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 32690    | 3.09     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 61.80% |
| 20) 2-Butanone-d5              | 4.65   | 46    | 100508   | 40.78    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 81.56% |
| 24) Chloroform-d               | 5.08   | 84    | 48340    | 4.21     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 84.20% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 32248    | 4.48     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.60% |
| 32) Benzene-d6                 | 5.75   | 84    | 94159    | 4.36     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.20% |
| 36) 1,2-Dichloropropane-d6     | 6.71   | 67    | 32359    | 4.27     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 85.40% |
| 41) Toluene-d8                 | 7.91   | 98    | 80800    | 4.32     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 86.40% |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 12063    | 3.60     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 72.00% |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 71740    | 36.11    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 72.22% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.76  | 84    | 29659    | 3.95     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 79.00% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 33033    | 4.56     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 91.20% |

## Target Compounds

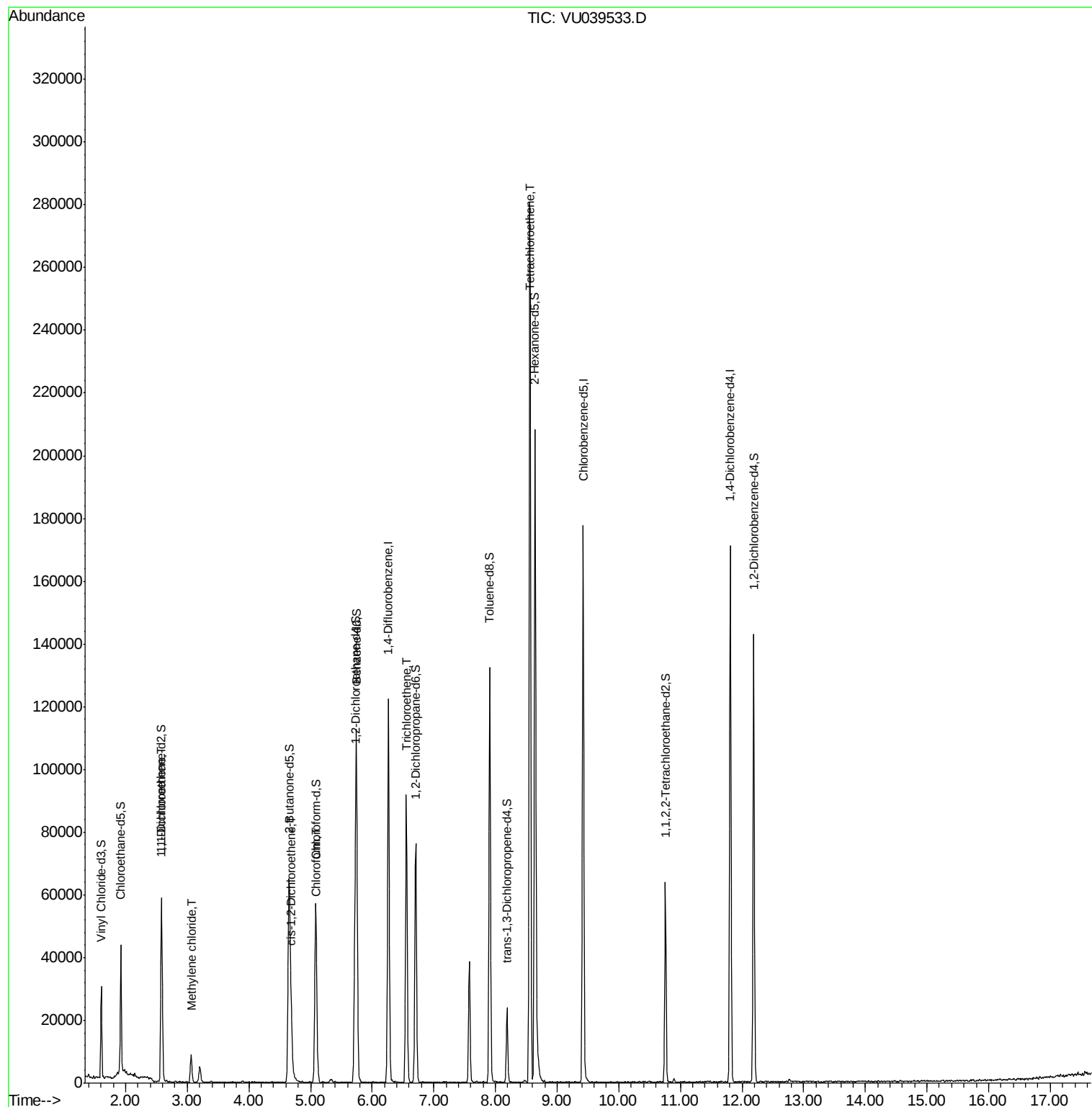
|                            |      |     |       |             | Ovalue |
|----------------------------|------|-----|-------|-------------|--------|
| 12) 1,1-Dichloroethene     | 2.59 | 96  | 2714  | 0.491 ug/L  | # 1    |
| 16) Methylene chloride     | 3.07 | 84  | 3913  | 0.563 ug/L  | 90     |
| 22) cis-1,2-Dichloroethene | 4.69 | 96  | 3627  | 0.529 ug/L  | 91     |
| 25) Chloroform             | 5.11 | 83  | 4003  | 0.331 ug/L  | 95     |
| 34) Trichloroethene        | 6.56 | 95  | 29282 | 4.225 ug/L  | 97     |
| 47) Tetrachloroethene      | 8.56 | 164 | 52526 | 10.896 ug/L | 98     |

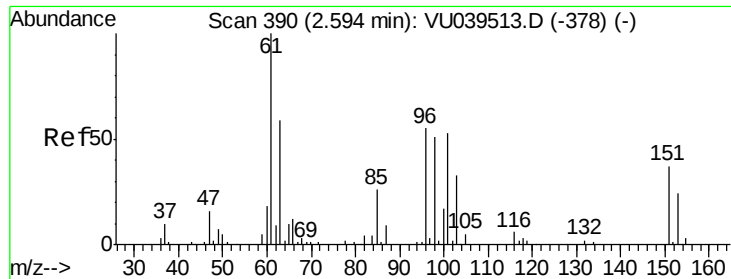
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071620\  
Data File : VU039533.D  
Acq On : 16 Jul 2020 18:46  
Operator : SY/MD  
Sample : L3292-16DL 20X  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT91DL

Quant Time: Jul 18 03:50:36 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR070720WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Jul 17 23:38:36 2020  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.491 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039533.D

Acq: 16 Jul 2020 18:46

Instrument :

MSVOA\_U

ClientSampleId :

BFT91DL

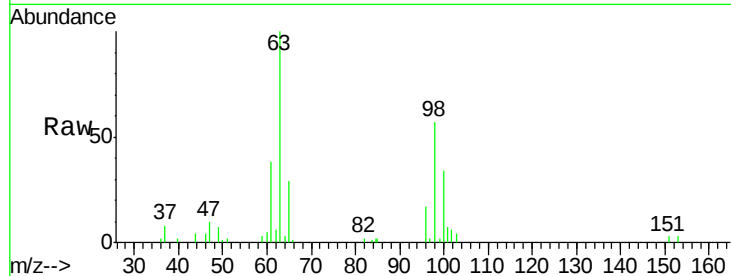
Tot Ion: 96 Resp: 2714

Ion Ratio Lower Upper

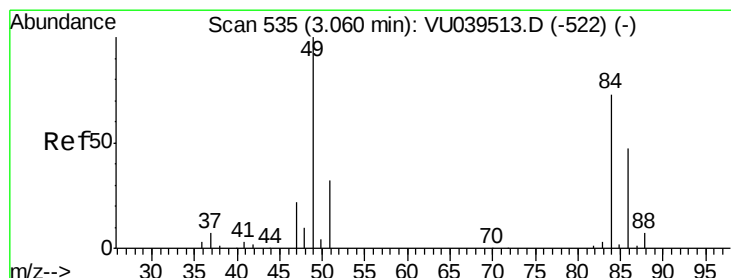
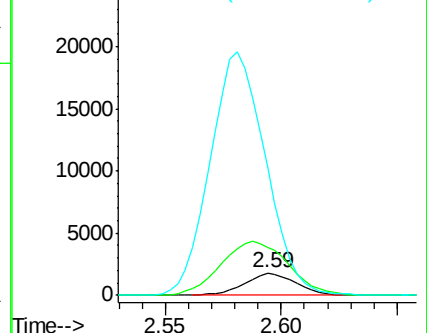
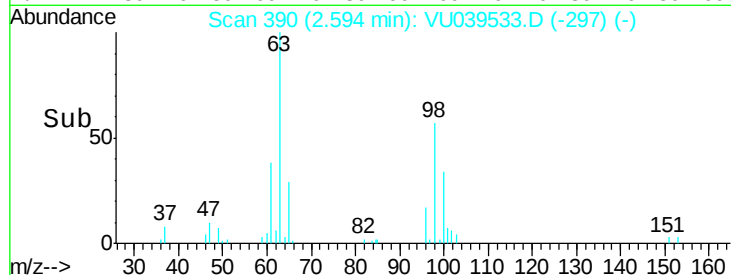
96 100

61 218.0 125.4 232.8

63 574.3 92.7 172.3#



Abundance Ion 96.00 (95.70 to 96.70): VU039533.D (-297) (-)



#16

Methylene chloride

Concen: 0.563 ug/L

RT: 3.07 min Scan# 537

Delta R.T. 0.01 min

Lab File: VU039533.D

Acq: 16 Jul 2020 18:46

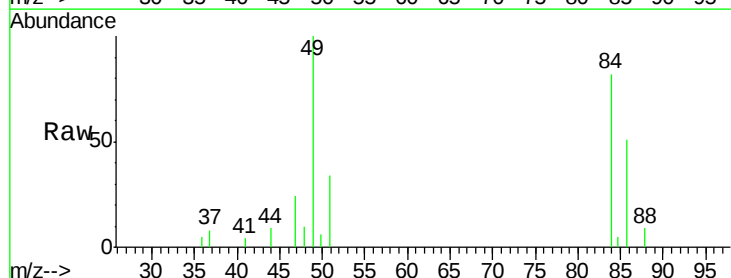
Tgt Ion: 84 Resp: 3913

Ion Ratio Lower Upper

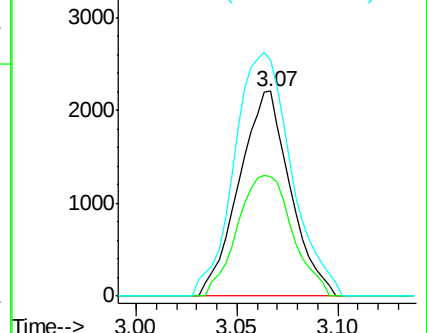
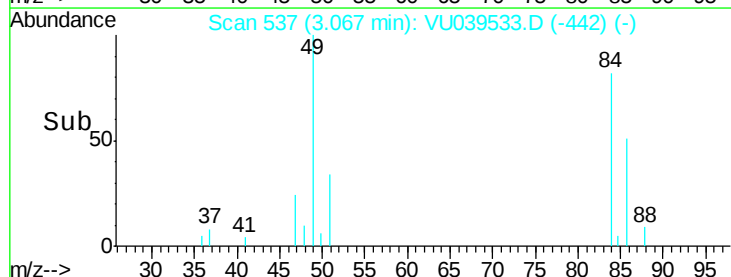
84 100

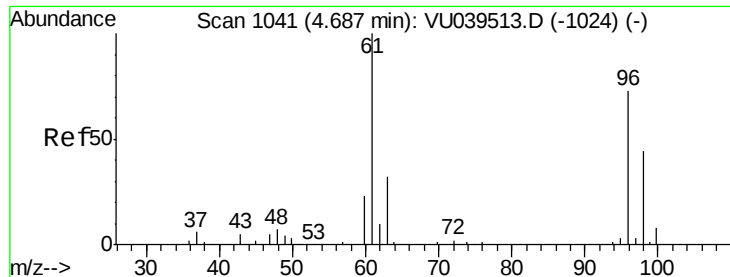
86 58.4 43.5 80.9

49 114.8 91.1 169.1



Abundance Ion 84.05 (83.75 to 84.75): VU039533.D (-442) (-)

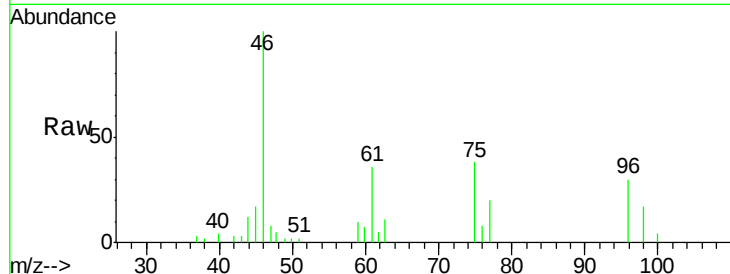




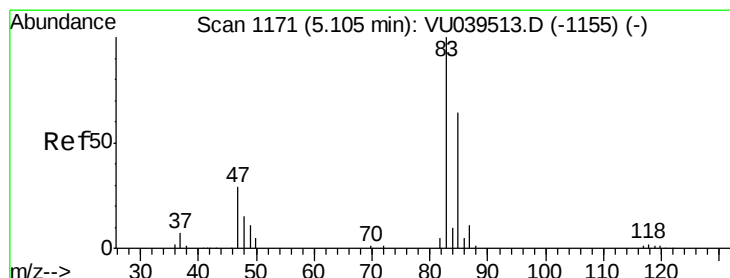
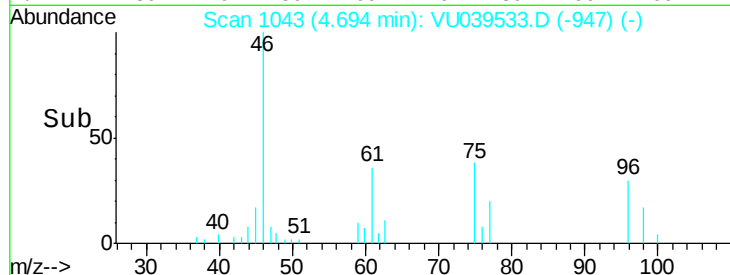
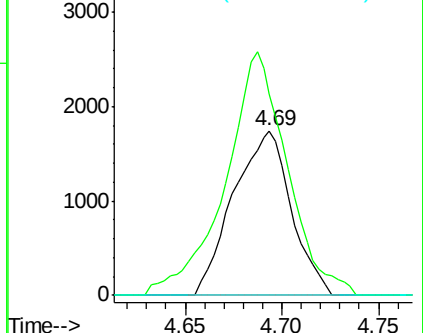
#22  
 cis-1,2-Dichloroethene  
 Concen: 0.529 ug/L  
 RT: 4.69 min Scan# 1043  
 Delta R.T. 0.01 min  
 Lab File: VU039533.D  
 Acq: 16 Jul 2020 18:46

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFT91DL

Tot Ion: 96 Resp: 3627  
 Ion Ratio Lower Upper  
 96 100  
 61 122.3 92.8 172.4  
 68 0.0 0.0 0.0

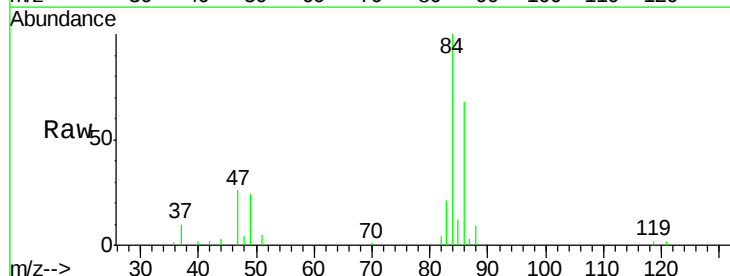


Abundance Ion 96.00 (95.70 to 96.70): VU0  
 Ion 61.05 (60.75 to 61.75): VU0  
 Ion 68.15 (67.85 to 68.85): VU0

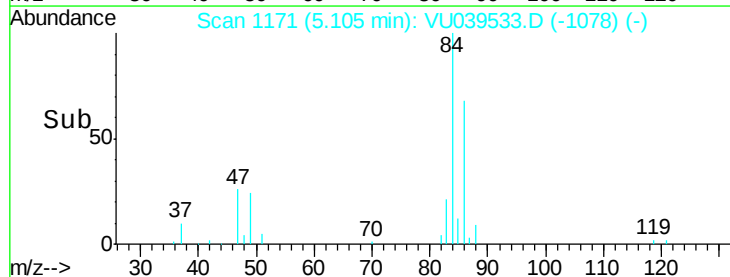
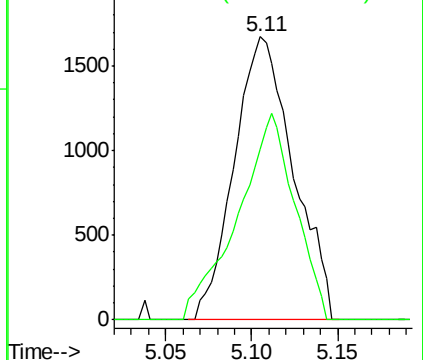


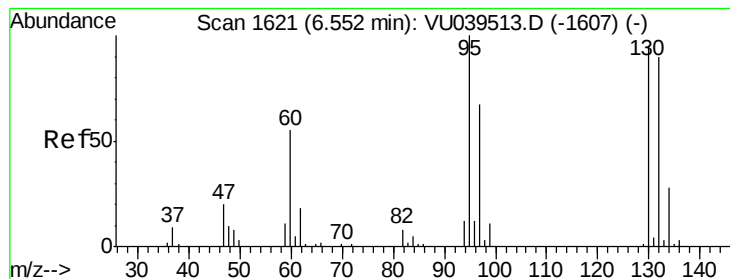
#25  
 Chloroform  
 Concen: 0.331 ug/L  
 RT: 5.11 min Scan# 1171  
 Delta R.T. -0.00 min  
 Lab File: VU039533.D  
 Acq: 16 Jul 2020 18:46

Tgt Ion: 83 Resp: 4003  
 Ion Ratio Lower Upper  
 83 100  
 85 60.3 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU0  
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 4.225 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU039533.D

Acq: 16 Jul 2020 18:46

Instrument :

MSVOA\_U

ClientSampleId :

BFT91DL

Tot Ion: 95 Resp: 29282

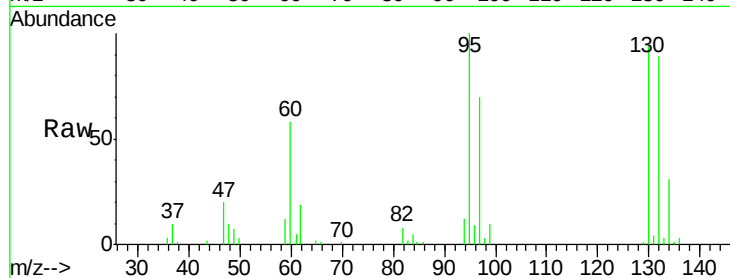
Ion Ratio Lower Upper

95 100

97 69.5 46.3 85.9

132 89.3 64.0 118.8

130 94.2 64.3 119.5

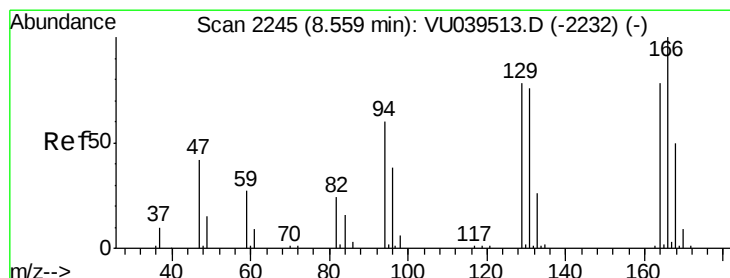
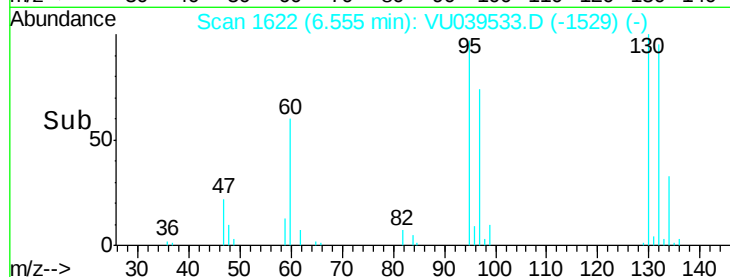
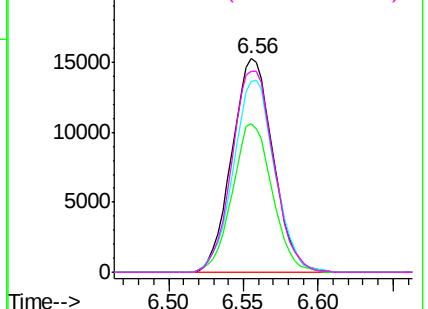


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#47

Tetrachloroethene

Concen: 10.896 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU039533.D

Acq: 16 Jul 2020 18:46

Tgt Ion: 164 Resp: 52526

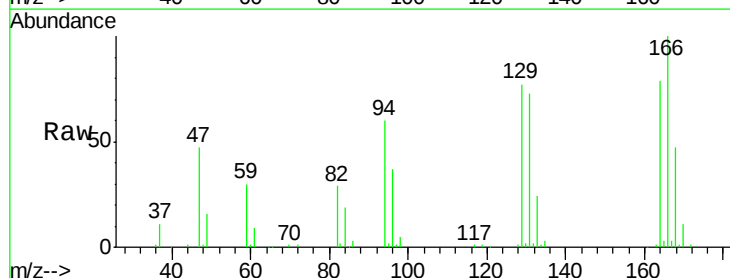
Ion Ratio Lower Upper

164 100

129 96.8 68.6 127.4

131 92.0 66.4 123.4

166 125.9 85.9 159.5



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

