

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071720\  
 Data File : VU039550.D  
 Acq On : 17 Jul 2020 14:30  
 Operator : SY/MD  
 Sample : L3292-11  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFT87

Quant Time: Jul 18 00:38:24 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  | 75863    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 75431    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 33633    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 20959    | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 95.40%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 24765    | 5.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 110.20% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 33719    | 3.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 78.00%  |
| 20) 2-Butanone-d5              | 4.65   | 46    | 100330   | 49.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 99.74%  |
| 24) Chloroform-d               | 5.09   | 84    | 48553    | 5.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.80% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 32031    | 5.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 109.00% |
| 32) Benzene-d6                 | 5.75   | 84    | 96046    | 5.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 105.80% |
| 36) 1,2-Dichloropropane-d6     | 6.71   | 67    | 33358    | 5.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 104.60% |
| 41) Toluene-d8                 | 7.91   | 98    | 85097    | 5.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 108.20% |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 13005    | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 92.40%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 72123    | 43.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 86.32%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.76  | 84    | 28835    | 4.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 91.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 34455    | 5.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 114.80% |

## Target Compounds

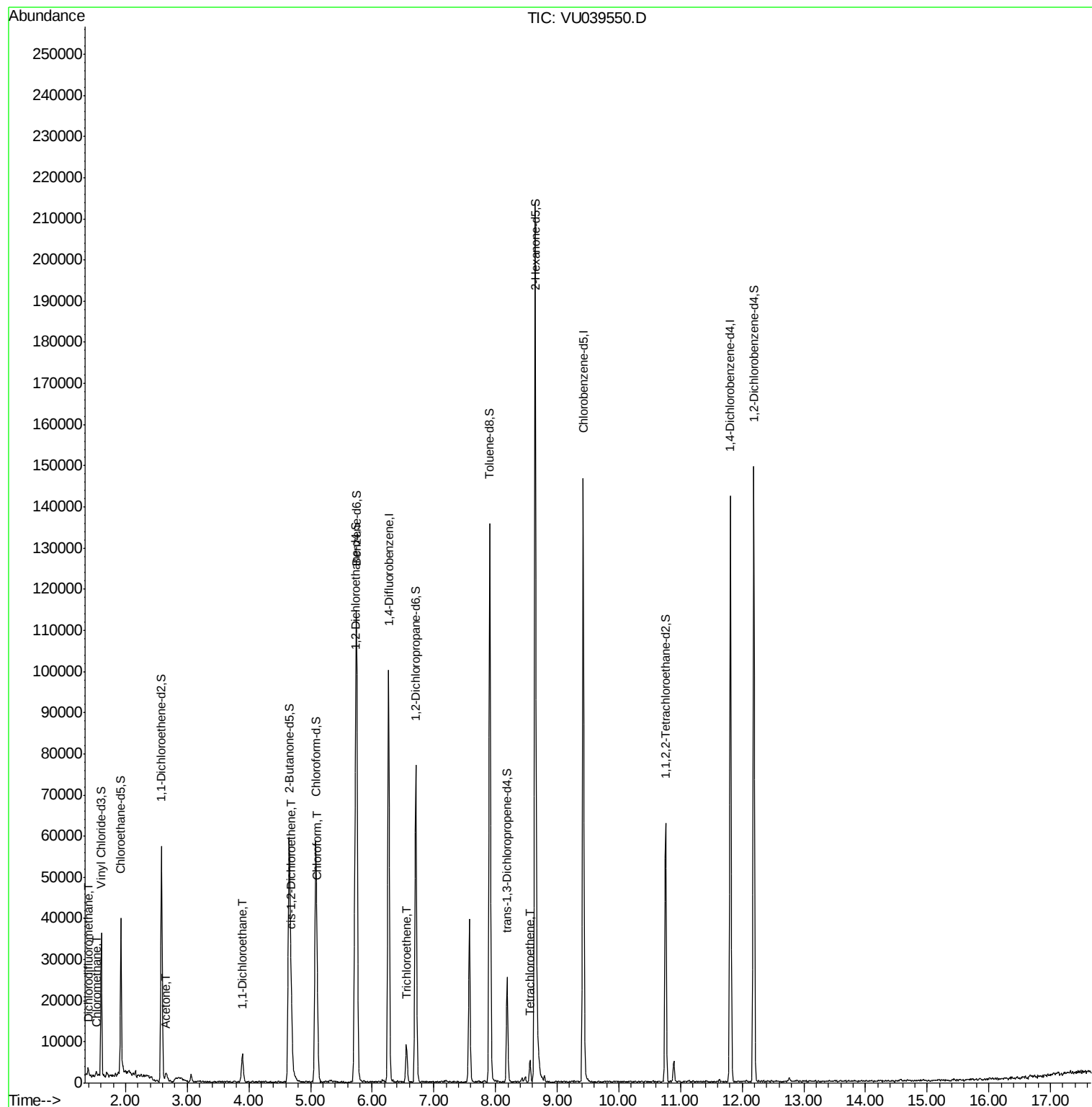
|                            |      |     |      |              | Ovalue |
|----------------------------|------|-----|------|--------------|--------|
| 2) Dichlorodifluoromethane | 1.39 | 85  | 1072 | 0.233 ug/L   | 100    |
| 3) Chloromethane           | 1.53 | 50  | 927  | 0.166 ug/L # | 78     |
| 13) Acetone                | 2.65 | 43  | 3710 | 3.416 ug/L   | 100    |
| 19) 1,1-Dichloroethane     | 3.89 | 63  | 7189 | 0.736 ug/L # | 90     |
| 22) cis-1,2-Dichloroethene | 4.69 | 96  | 3948 | 0.705 ug/L   | 78     |
| 25) Chloroform             | 5.11 | 83  | 9949 | 1.008 ug/L   | 94     |
| 34) Trichloroethene        | 6.56 | 95  | 2920 | 0.501 ug/L   | 93     |
| 47) Tetrachloroethene      | 8.56 | 164 | 1047 | 0.258 ug/L   | 83     |

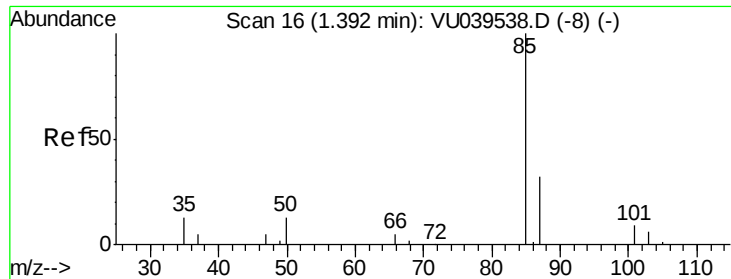
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071720\  
Data File : VU039550.D  
Acq On : 17 Jul 2020 14:30  
Operator : SY/MD  
Sample : L3292-11  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFT87

Quant Time: Jul 18 00:38:24 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





#2

Dichlorodifluoromethane

Concen: 0.233 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039550.D

Acq: 17 Jul 2020 14:30

Instrument :

MSVOA\_U

ClientSampleId :

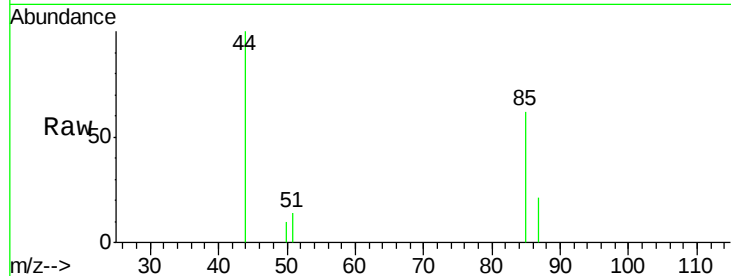
BFT87

Tot Ion: 85 Resp: 1072

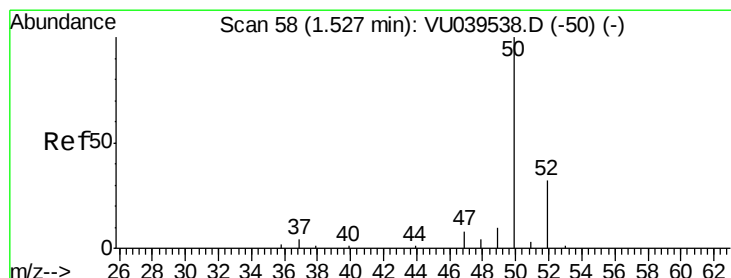
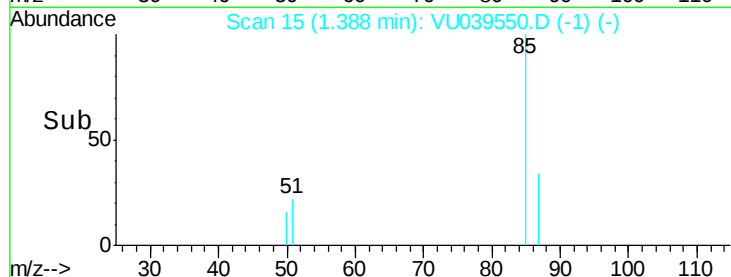
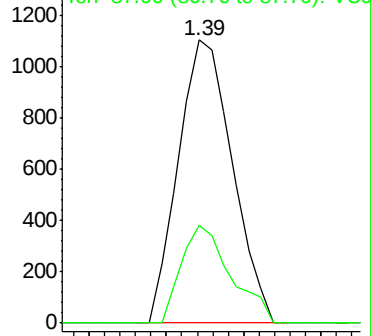
Ion Ratio Lower Upper

85 100

87 31.5 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039538.D (-8) (-)



#3

Chloromethane

Concen: 0.166 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039550.D

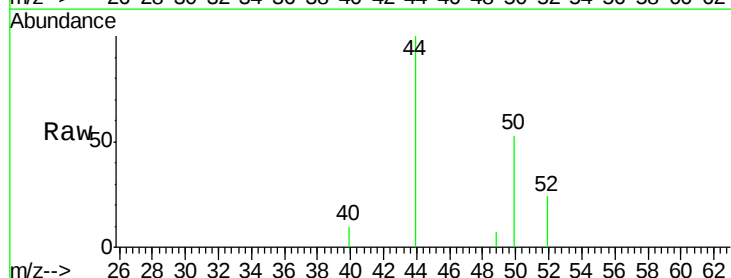
Acq: 17 Jul 2020 14:30

Tgt Ion: 50 Resp: 927

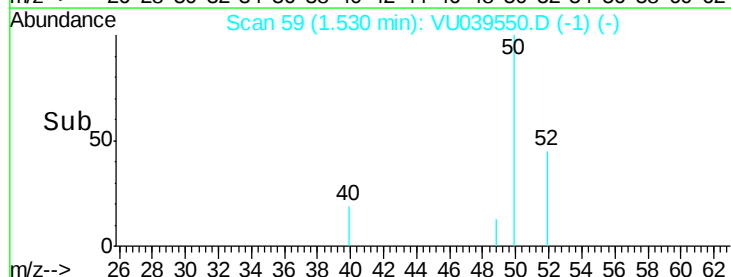
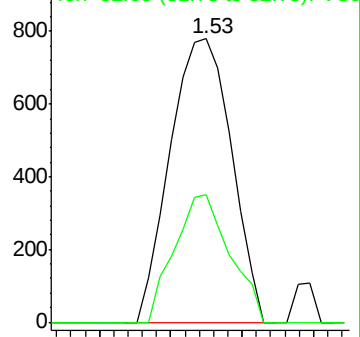
Ion Ratio Lower Upper

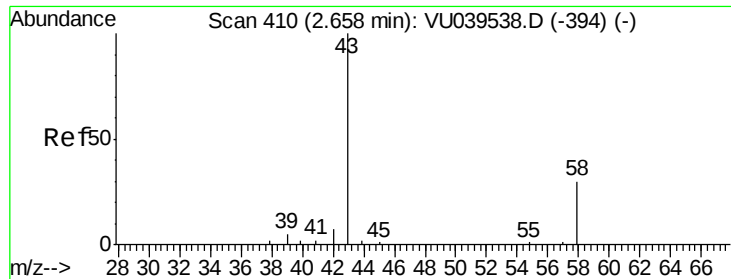
50 100

52 45.1 23.0 42.8#



Abundance Ion 50.05 (49.75 to 50.75): VU039538.D (-50) (-)





#13

Acetone

Concen: 3.416 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: VU039550.D

Acq: 17 Jul 2020 14:30

Instrument :

MSVOA\_U

ClientSampleId :

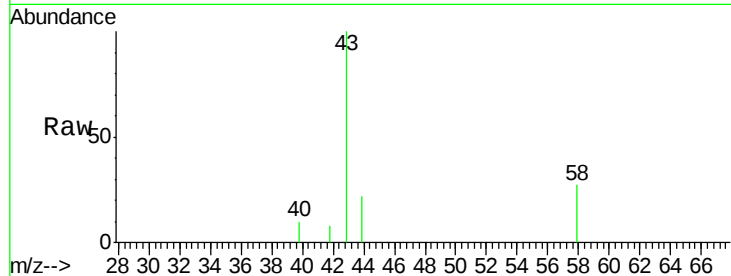
BFT87

Tot Ion: 43 Resp: 3710

Ion Ratio Lower Upper

43 100

58 31.2 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039538.D (-394) (-)

Ion 58.05 (57.75 to 58.75): VU039538.D (-394) (-)

2.65

1500

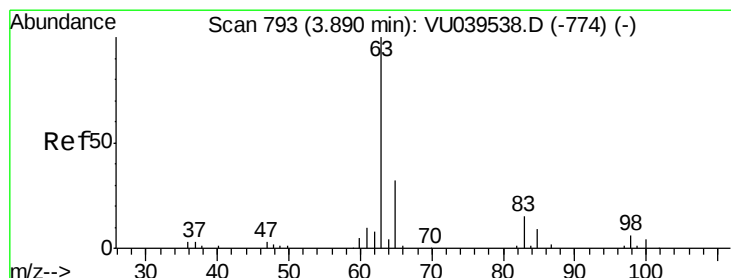
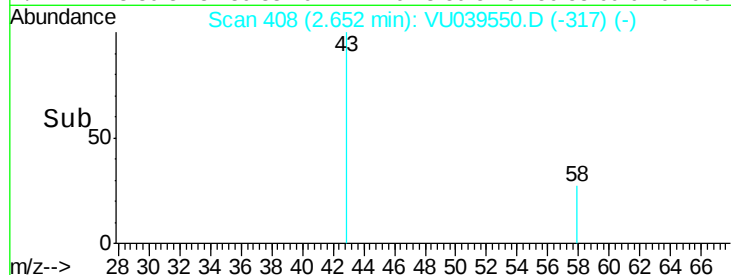
1000

500

0

Time-->

2.60 2.65 2.70



#19

1,1-Dichloroethane

Concen: 0.736 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU039550.D

Acq: 17 Jul 2020 14:30

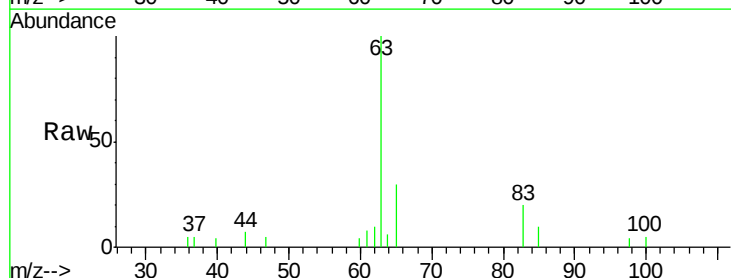
Tgt Ion: 63 Resp: 7189

Ion Ratio Lower Upper

63 100

65 28.2 23.0 42.6

83 19.0 9.6 17.8#



Abundance Ion 63.10 (62.80 to 63.80): VU039538.D (-774) (-)

Ion 65.10 (64.80 to 65.80): VU039538.D (-774) (-)

Ion 83.05 (82.75 to 83.75): VU039538.D (-774) (-)

3.89

4000

3000

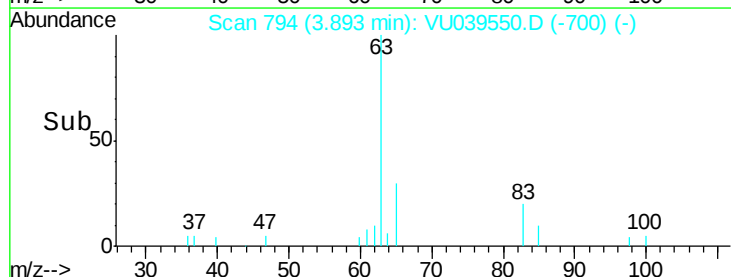
2000

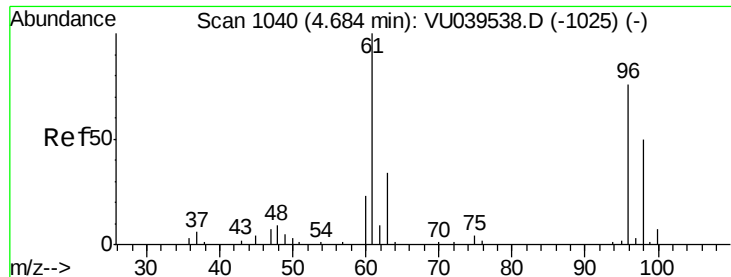
1000

0

Time-->

3.85 3.90 3.95

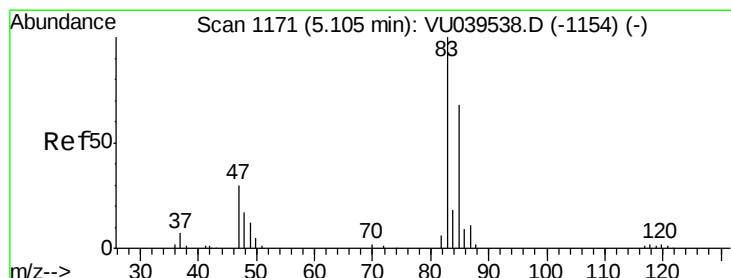
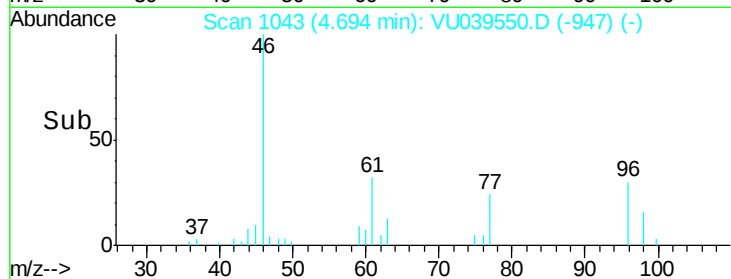
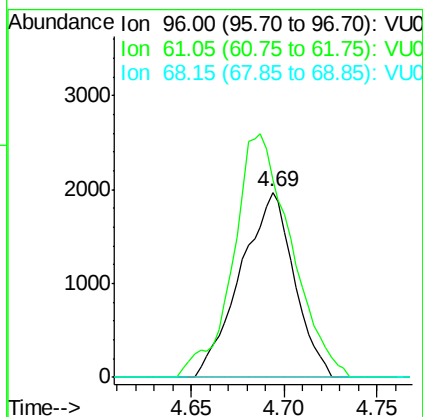
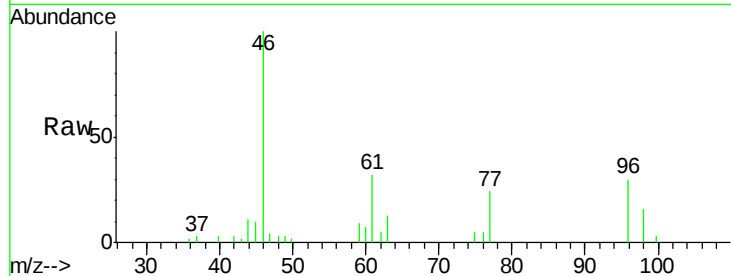




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.705 ug/L  
 RT: 4.69 min Scan# 1043  
 Delta R.T. 0.01 min  
 Lab File: VU039550.D  
 Acq: 17 Jul 2020 14:30

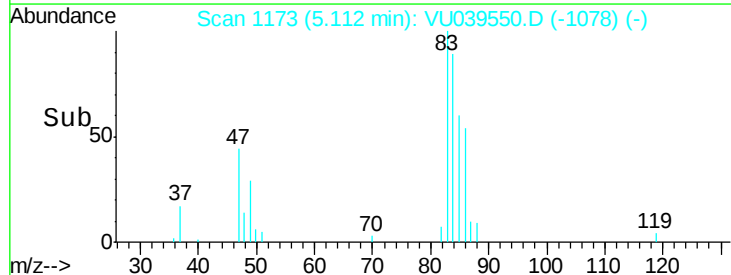
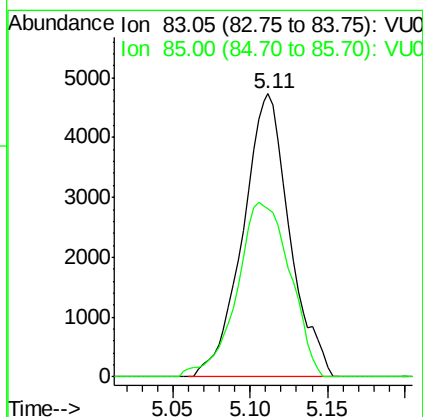
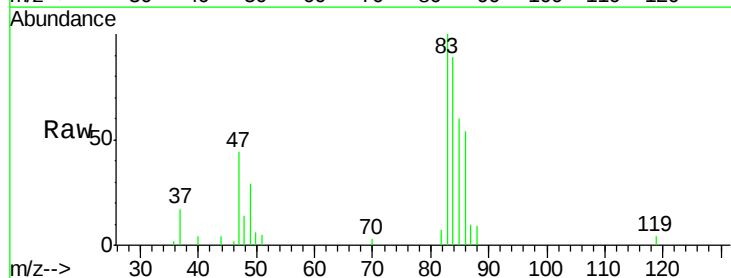
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFT87

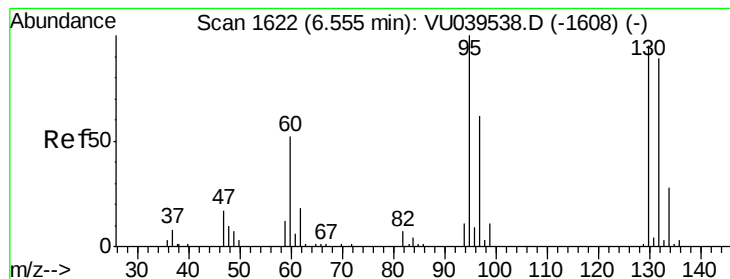
Tot Ion: 96 Resp: 3948  
 Ion Ratio Lower Upper  
 96 100  
 61 106.8 92.8 172.4  
 68 0.0 0.0 0.0



#25  
 Chloroform  
 Concen: 1.008 ug/L  
 RT: 5.11 min Scan# 1173  
 Delta R.T. 0.01 min  
 Lab File: VU039550.D  
 Acq: 17 Jul 2020 14:30

Tgt Ion: 83 Resp: 9949  
 Ion Ratio Lower Upper  
 83 100  
 85 59.6 44.9 83.5





#34

Trichloroethene

Concen: 0.501 ug/L

RT: 6.56 min Scan# 1624

Delta R.T. 0.01 min

Lab File: VU039550.D

Acq: 17 Jul 2020 14:30

Instrument :

MSVOA\_U

ClientSampleId :

BFT87

Tot Ion: 95 Resp: 2920

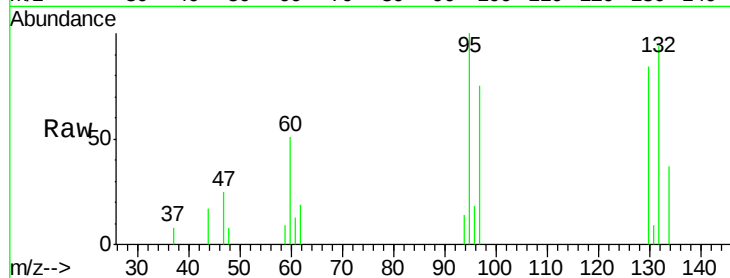
Ion Ratio Lower Upper

95 100

97 74.8 46.3 85.9

132 94.0 64.0 118.8

130 83.7 64.3 119.5

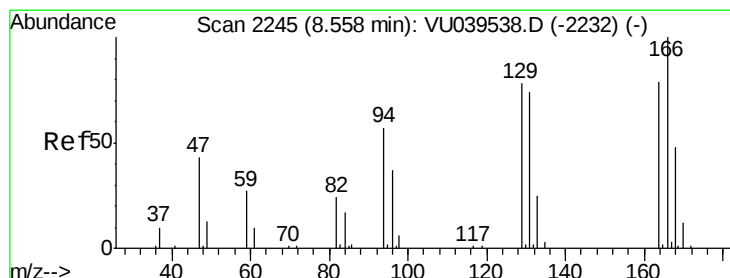
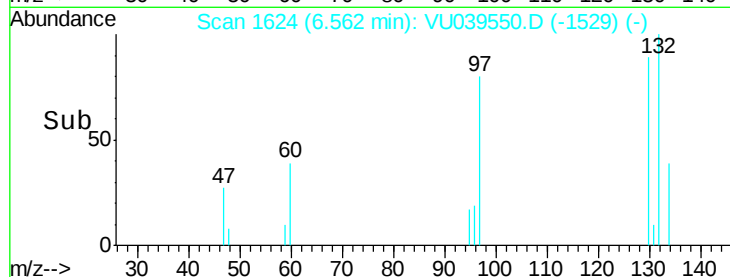
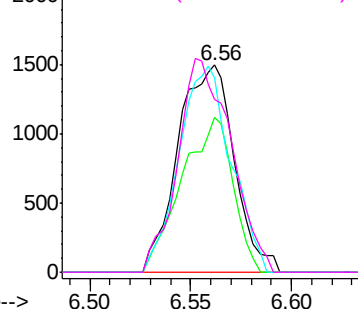


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.258 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU039550.D

Acq: 17 Jul 2020 14:30

Tgt Ion: 164 Resp: 1047

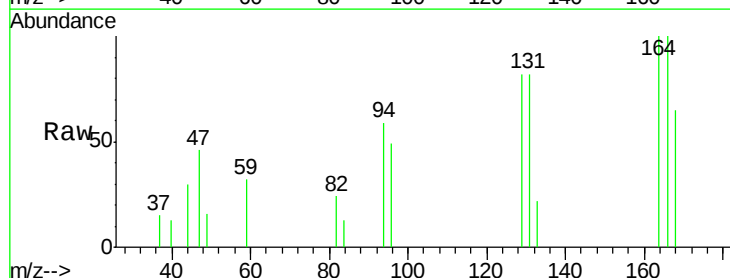
Ion Ratio Lower Upper

164 100

129 82.0 68.6 127.4

131 82.0 66.4 123.4

166 100.1 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

