

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100920\  
 Data File : VU040598.D  
 Acq On : 09 Oct 2020 20:44  
 Operator : SY/MD  
 Sample : L4349-06  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFSE3

Quant Time: Oct 10 06:00:07 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  | 129964   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 131547   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 58486    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 50715    | 4.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 94.20%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 40234    | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 97.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 73829    | 3.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 70.20%  |
| 20) 2-Butanone-d5              | 4.65   | 46    | 191558   | 55.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 111.18% |
| 24) Chloroform-d               | 5.08   | 84    | 95416    | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 101.00% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 58776    | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 102.20% |
| 32) Benzene-d6                 | 5.74   | 84    | 178936   | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 101.00% |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 60986    | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 103.60% |
| 41) Toluene-d8                 | 7.91   | 98    | 145920   | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.80%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 24779    | 4.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 99.40%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 137968   | 53.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 107.32% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 53297    | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 100.80% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 59899    | 5.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 110.40% |

## Target Compounds

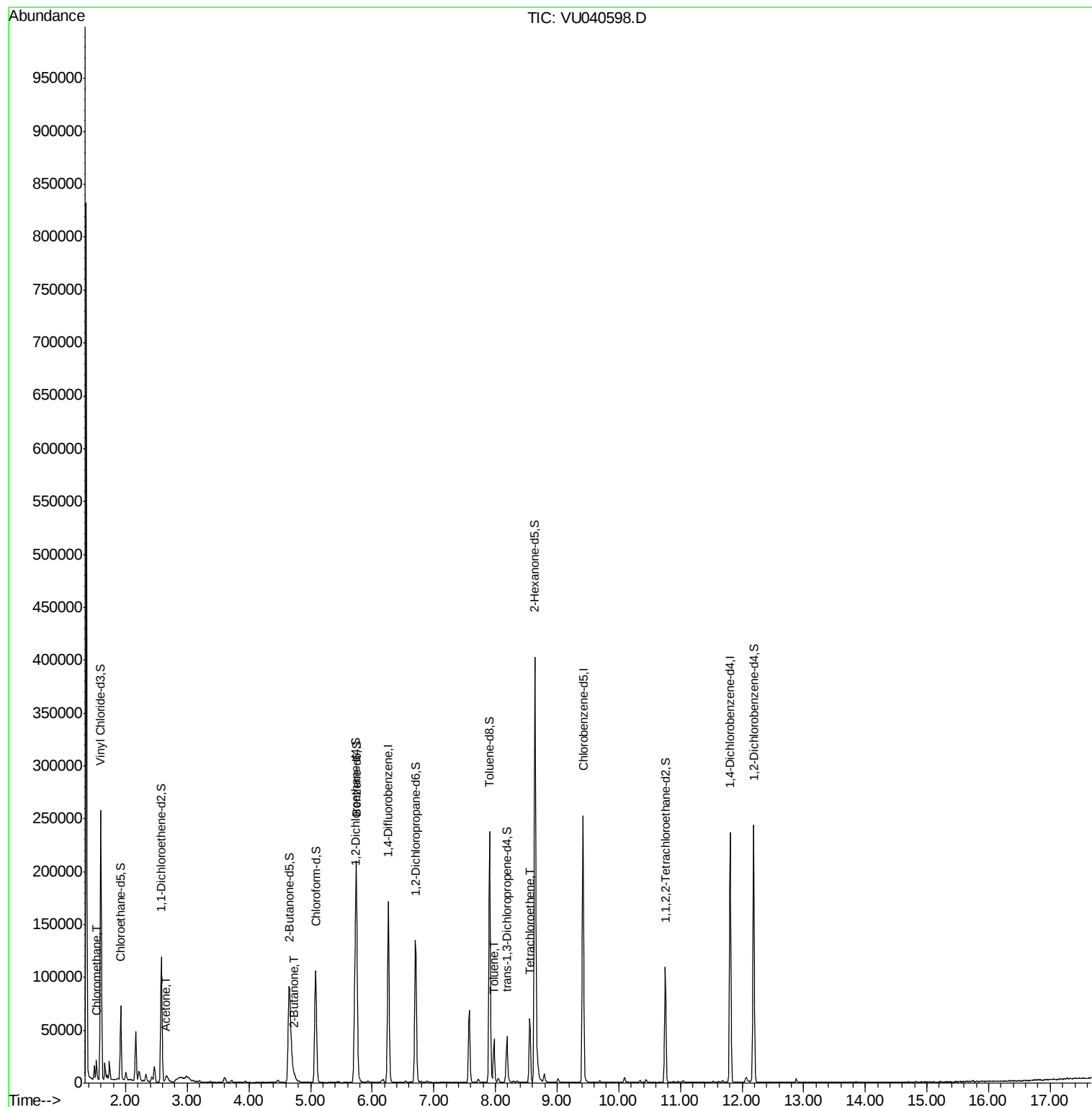
|                       |      |     |       |            | Ovalue |
|-----------------------|------|-----|-------|------------|--------|
| 3) Chloromethane      | 1.53 | 50  | 11306 | 1.027 ug/L | 93     |
| 13) Acetone           | 2.66 | 43  | 13469 | 5.042 ug/L | 87     |
| 21) 2-Butanone        | 4.74 | 43  | 4580  | 1.100 ug/L | 92     |
| 42) Toluene           | 7.98 | 91  | 27604 | 0.641 ug/L | 97     |
| 47) Tetrachloroethene | 8.56 | 164 | 12557 | 1.607 ug/L | 94     |

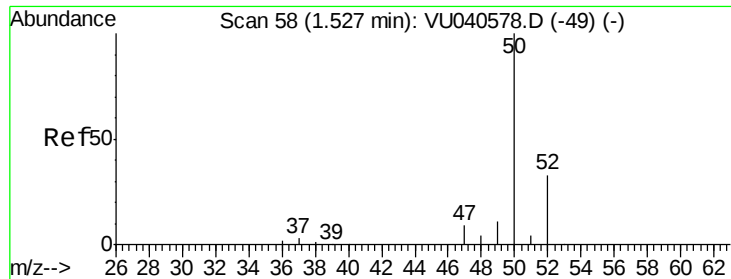
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.027 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040598.D

Acq: 09 Oct 2020 20:44

Instrument :

MSVOA\_U

ClientSampleId :

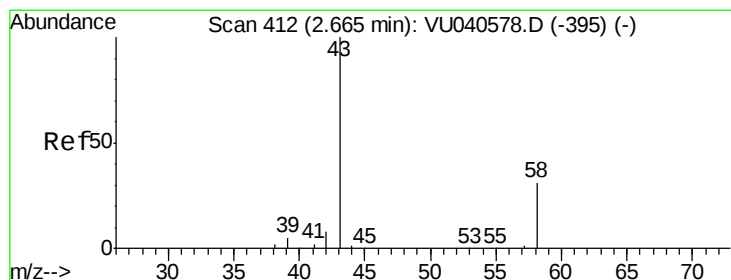
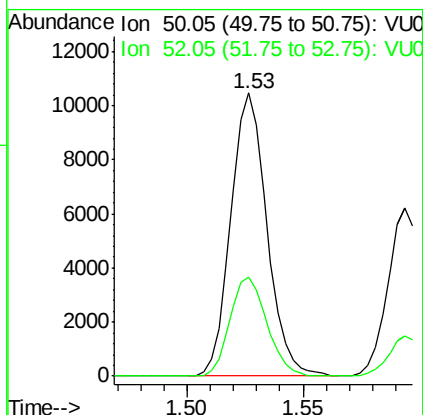
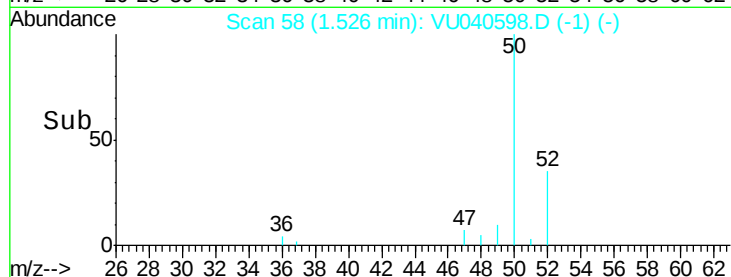
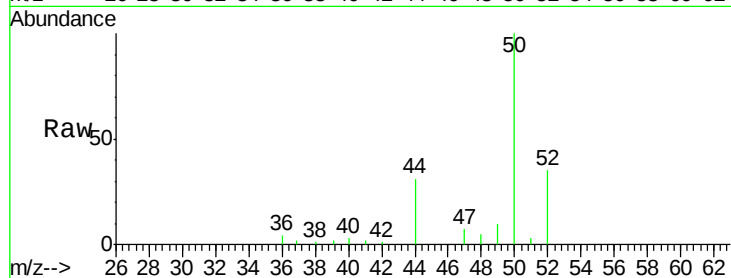
BFSE3

Tot Ion: 50 Resp: 11306

Ion Ratio Lower Upper

50 100

52 35.2 21.9 40.7



#13

Acetone

Concen: 5.042 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU040598.D

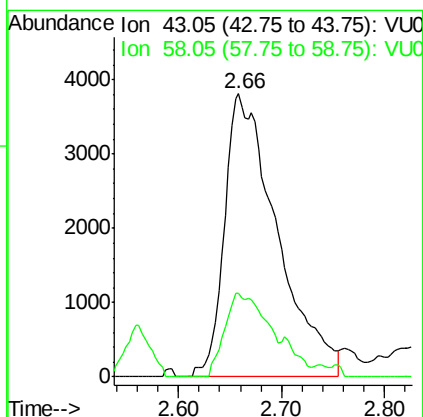
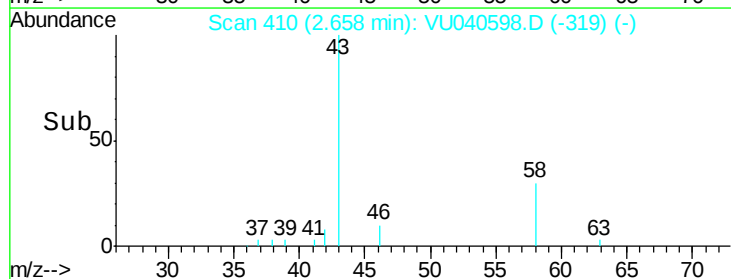
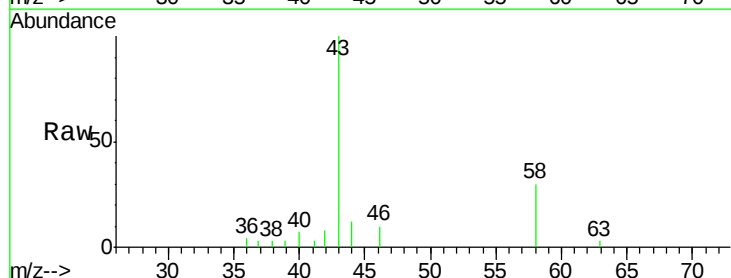
Acq: 09 Oct 2020 20:44

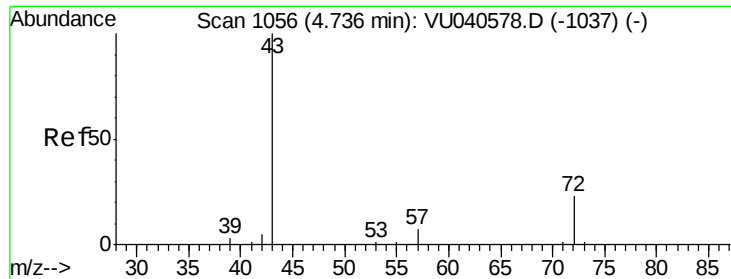
Tgt Ion: 43 Resp: 13469

Ion Ratio Lower Upper

43 100

58 23.0 0.0 60.6





#21

2-Butanone

Concen: 1.100 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VU040598.D

Acq: 09 Oct 2020 20:44

Instrument :

MSVOA\_U

ClientSampleId :

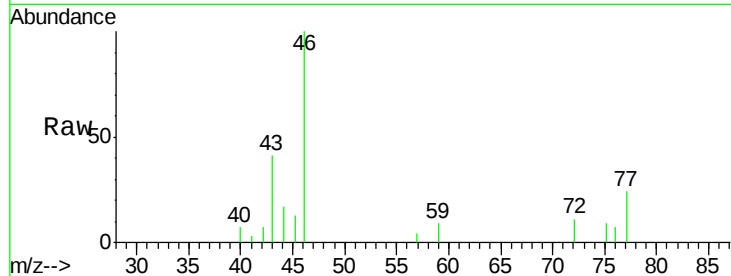
BFSE3

Tot Ion: 43 Resp: 4580

Ion Ratio Lower Upper

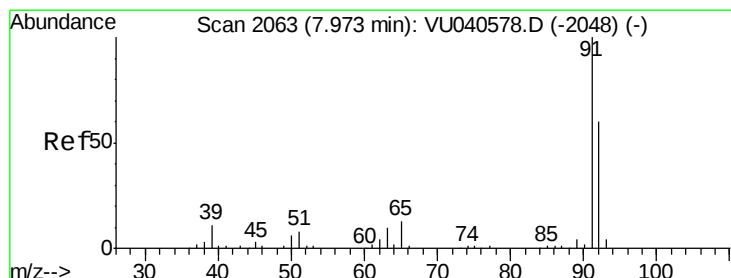
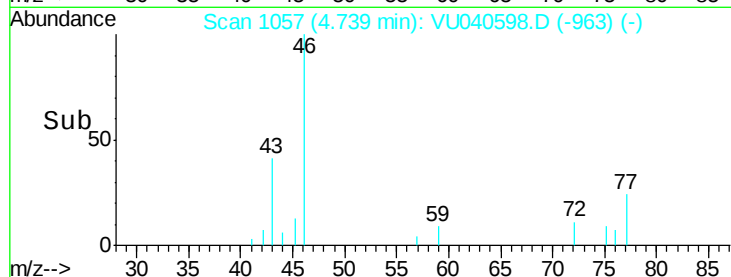
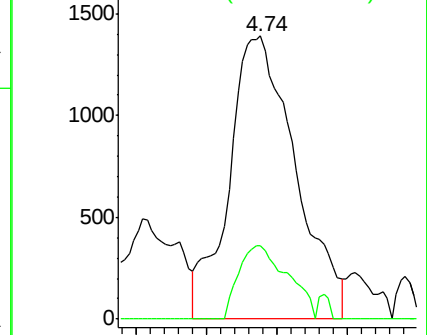
43 100

72 19.1 11.4 34.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0



#42

Toluene

Concen: 0.641 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040598.D

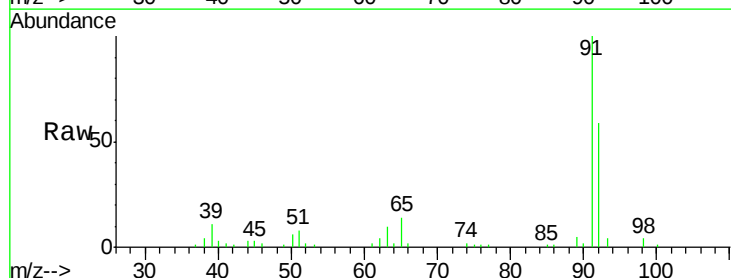
Acq: 09 Oct 2020 20:44

Tgt Ion: 91 Resp: 27604

Ion Ratio Lower Upper

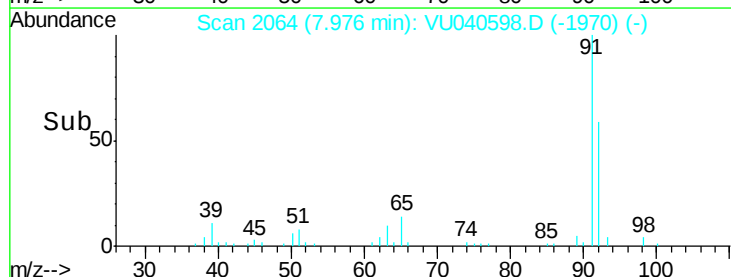
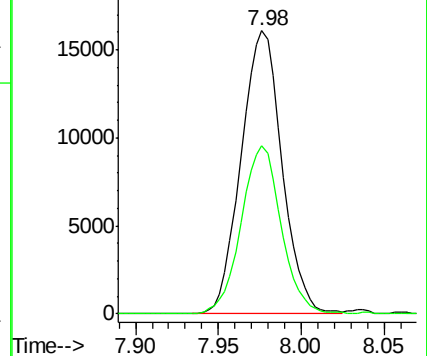
91 100

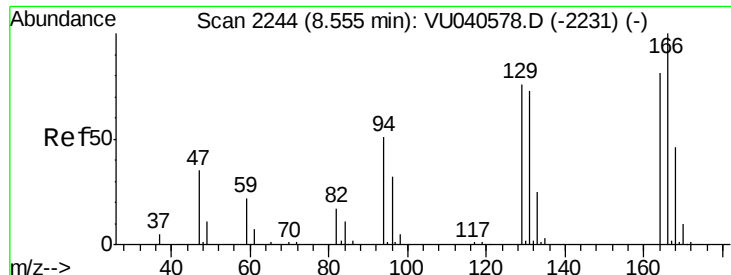
92 59.3 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0





#47

Tetrachloroethene

Concen: 1.607 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040598.D

Acq: 09 Oct 2020 20:44

Instrument :

MSVOA\_U

ClientSampleId :

BFSE3

Tot Ion:164 Resp: 12557

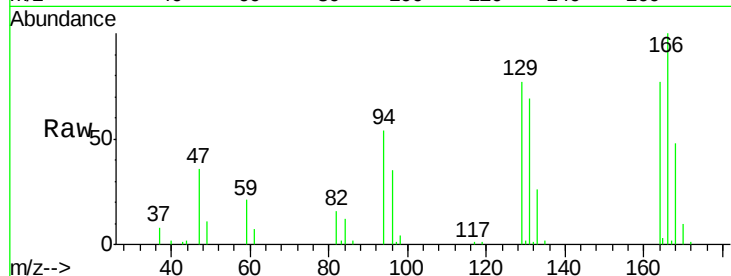
Ion Ratio Lower Upper

164 100

129 100.0 68.8 127.8

131 89.5 66.7 123.9

166 130.1 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

