

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031920\  
 Data File : VU037342.D  
 Acq On : 19 Mar 2020 17:28  
 Operator : JC/MD  
 Sample : L1983-04RE  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AA8RE

Quant Time: Mar 20 04:00:45 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR031620WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Mar 20 01:58:25 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 137797   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 138603   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 69857    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 0.00   | 65    | 0d       | 0.00     | ug/L |         |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 0.00%#  |
| 7) Chloroethane-d5             | 1.93   | 69    | 29190    | 4.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 91.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 21150    | 1.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 26.80%# |
| 20) 2-Butanone-d5              | 4.67   | 46    | 106348   | 49.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 98.06%  |
| 24) Chloroform-d               | 5.11   | 84    | 83103    | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.20% |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 45339    | 4.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.80%  |
| 32) Benzene-d6                 | 5.76   | 84    | 134373   | 4.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.73   | 67    | 45305    | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 94.00%  |
| 41) Toluene-d8                 | 7.93   | 98    | 29661    | 1.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 20.80%# |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 9960     | 2.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 46.40%# |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 80574    | 42.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 84.26%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 40054    | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 96.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21  | 152   | 52656    | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 92.40%  |

## Target Compounds

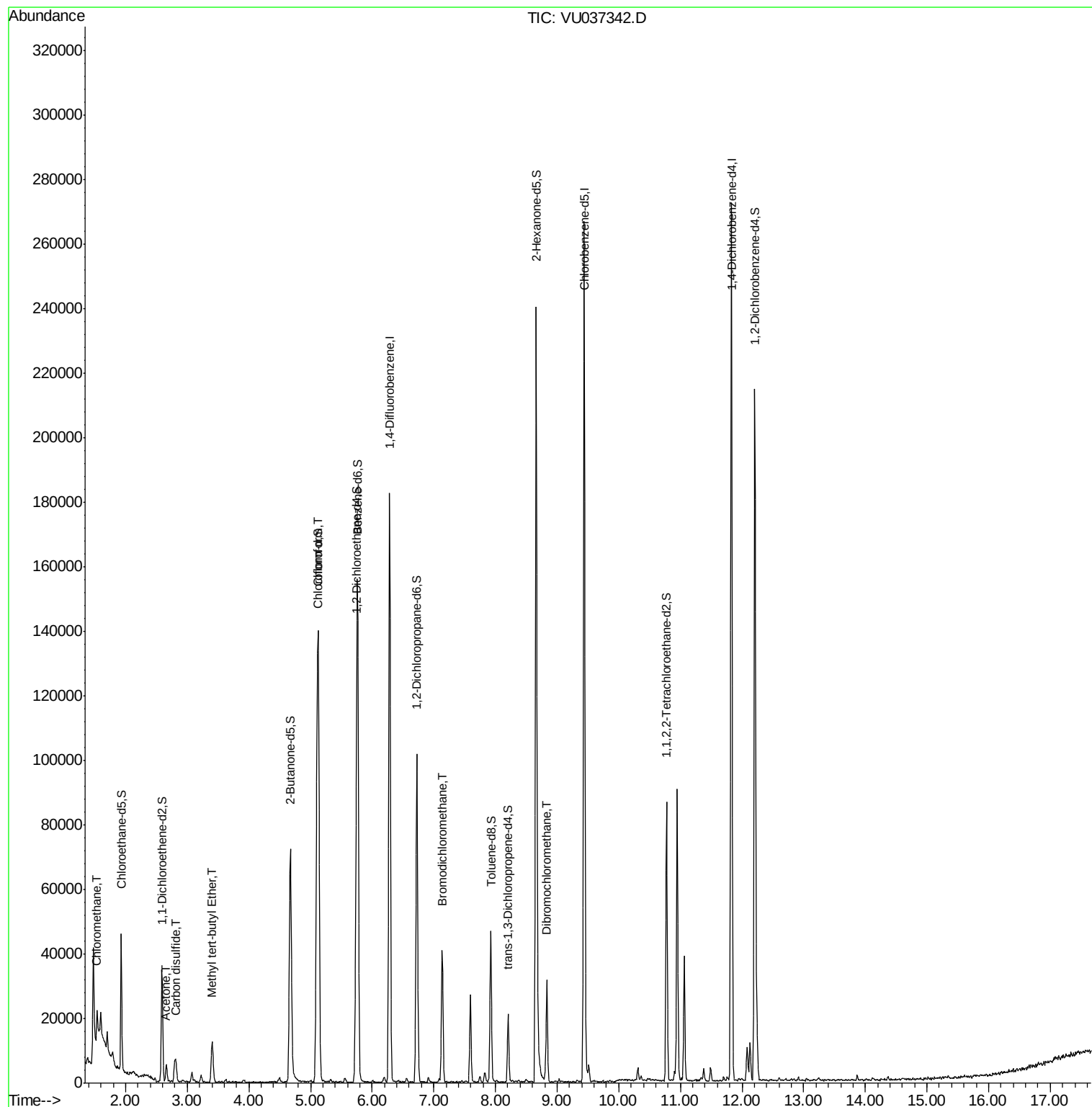
|                             |      |     |       |              | Ovalue |
|-----------------------------|------|-----|-------|--------------|--------|
| 3) Chloromethane            | 1.54 | 50  | 5815  | 0.371 ug/L   | 95     |
| 13) Acetone                 | 2.66 | 43  | 6641  | 3.620 ug/L   | 95     |
| 14) Carbon disulfide        | 2.82 | 76  | 5103  | 0.179 ug/L # | 93     |
| 17) Methyl tert-butyl Ether | 3.40 | 73  | 13177 | 0.519 ug/L   | 98     |
| 25) Chloroform              | 5.13 | 83  | 95808 | 4.589 ug/L   | 100    |
| 38) Bromodichloromethane    | 7.13 | 83  | 26871 | 1.735 ug/L   | 95     |
| 49) Dibromochloromethane    | 8.84 | 129 | 14986 | 1.448 ug/L   | 95     |

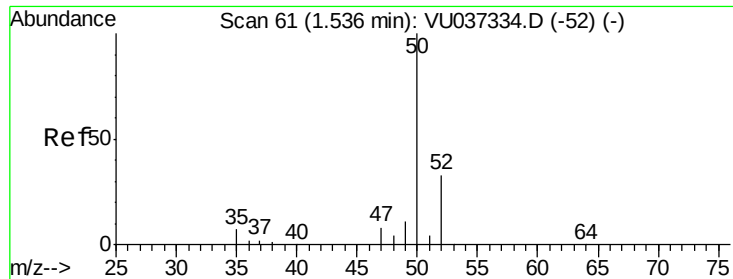
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.371 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037342.D

Acq: 19 Mar 2020 17:28

Instrument :

MSVOA\_U

ClientSampleId :

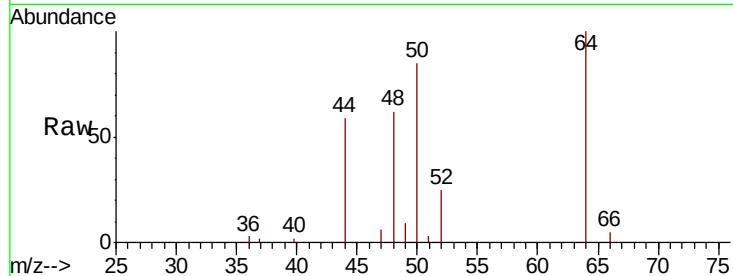
C0AA8RE

Tot Ion: 50 Resp: 5815

Ion Ratio Lower Upper

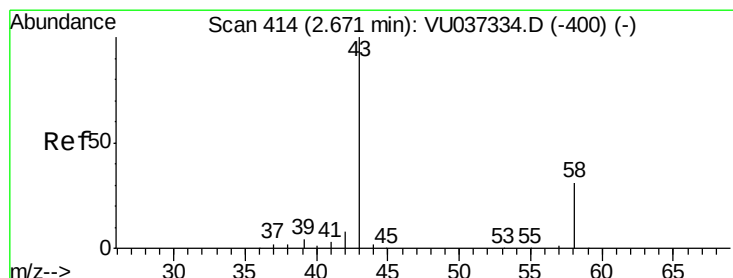
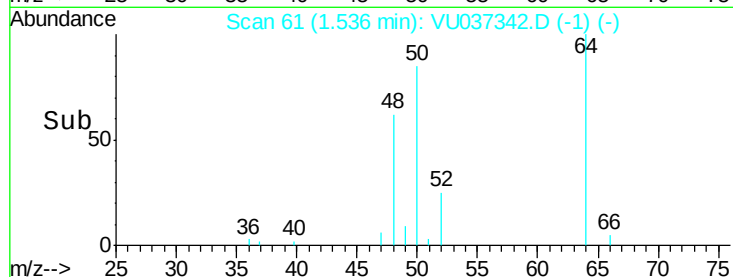
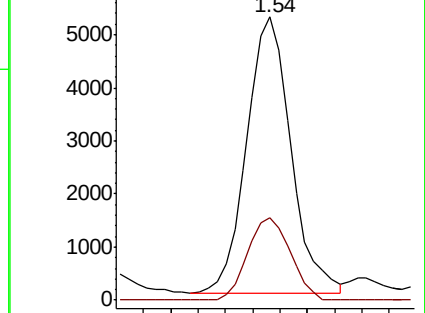
50 100

52 28.9 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU037342.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU037342.D (-52) (-)



#13

Acetone

Concen: 3.620 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU037342.D

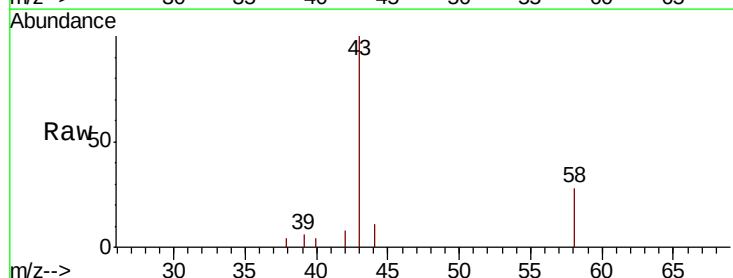
Acq: 19 Mar 2020 17:28

Tgt Ion: 43 Resp: 6641

Ion Ratio Lower Upper

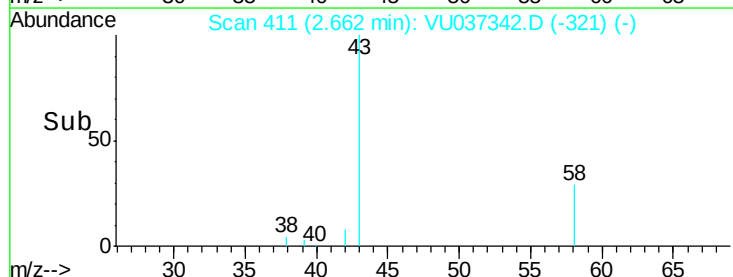
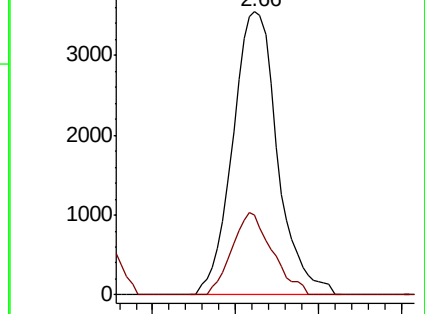
43 100

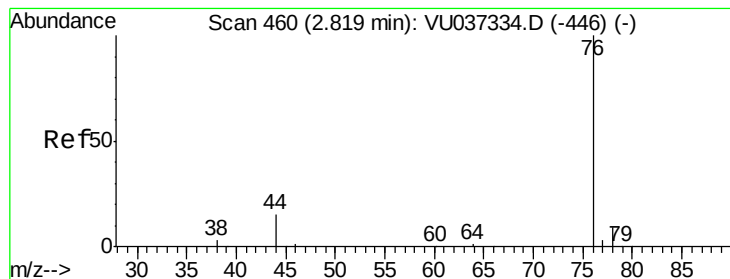
58 26.2 0.0 58.0



Abundance Ion 43.05 (42.75 to 43.75): VU037342.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU037342.D (-400) (-)





#14

Carbon disulfide

Concen: 0.179 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU037342.D

Acq: 19 Mar 2020 17:28

Instrument :

MSVOA\_U

ClientSampleId :

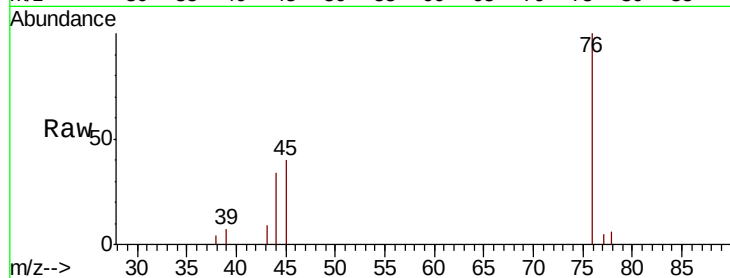
C0AA8RE

Tot Ion: 76 Resp: 5103

Ion Ratio Lower Upper

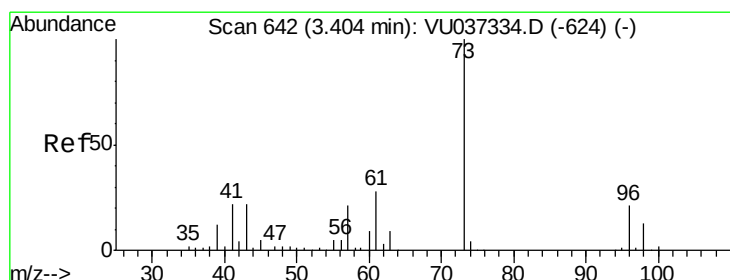
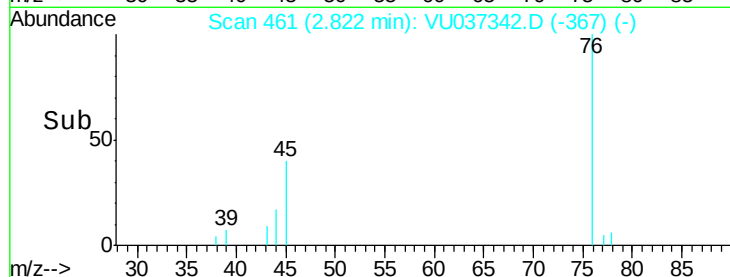
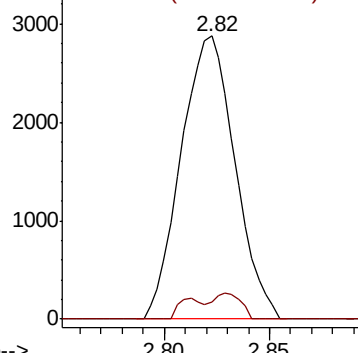
76 100

78 6.3 7.1 10.7#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0



#17

Methyl tert-butyl Ether

Concen: 0.519 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.00 min

Lab File: VU037342.D

Acq: 19 Mar 2020 17:28

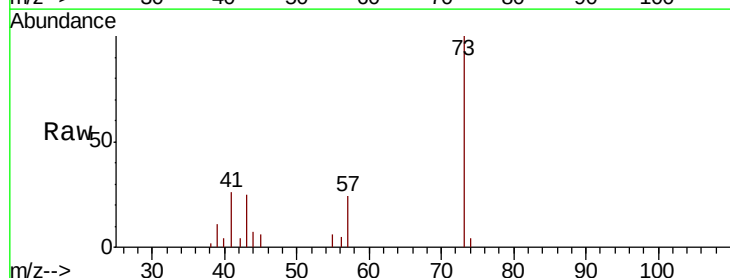
Tgt Ion: 73 Resp: 13177

Ion Ratio Lower Upper

73 100

43 24.5 18.6 28.0

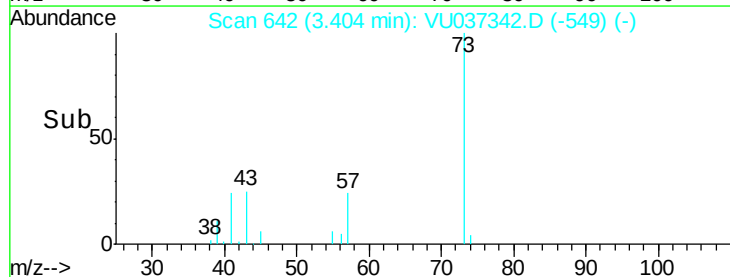
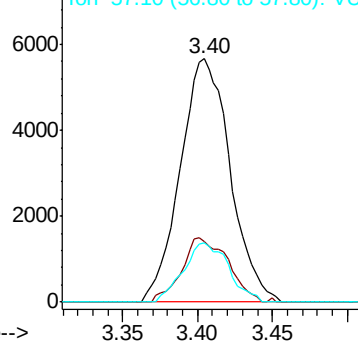
57 22.0 17.1 25.7

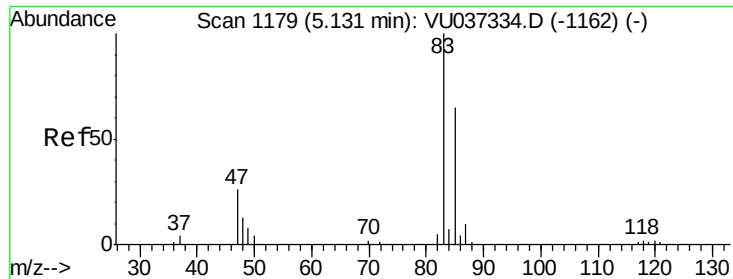


Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0





#25

Chloroform

Concen: 4.589 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VU037342.D

Acq: 19 Mar 2020 17:28

Instrument :

MSVOA\_U

ClientSampleId :

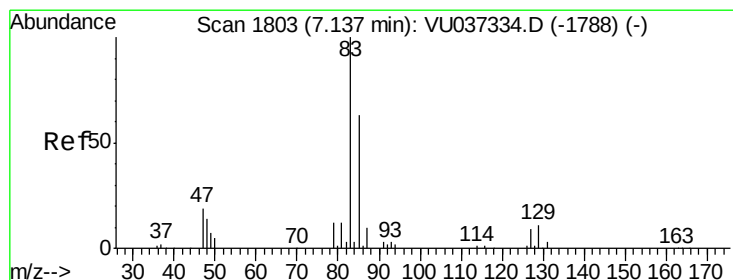
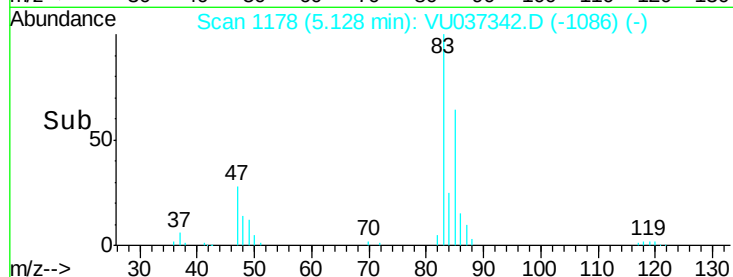
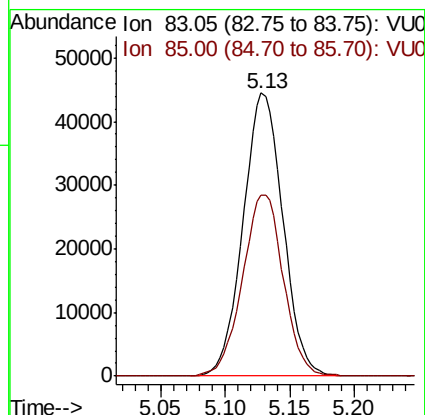
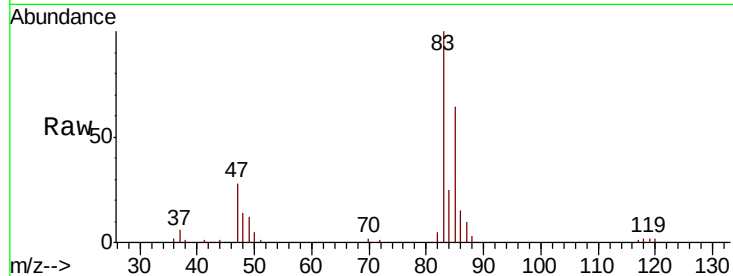
C0AA8RE

Tot Ion: 83 Resp: 95808

Ion Ratio Lower Upper

83 100

85 64.0 44.7 82.9



#38

Bromodichloromethane

Concen: 1.735 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU037342.D

Acq: 19 Mar 2020 17:28

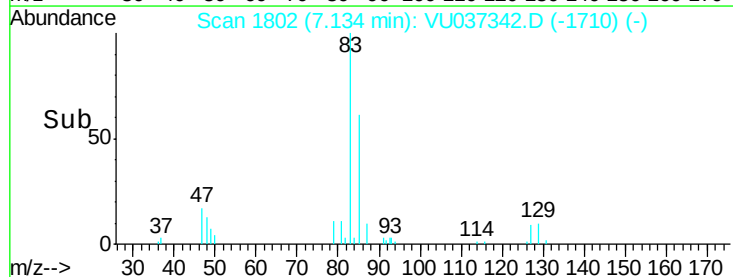
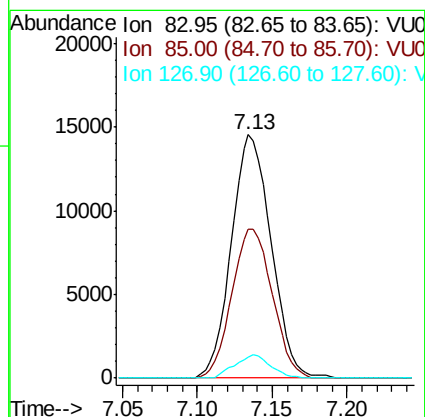
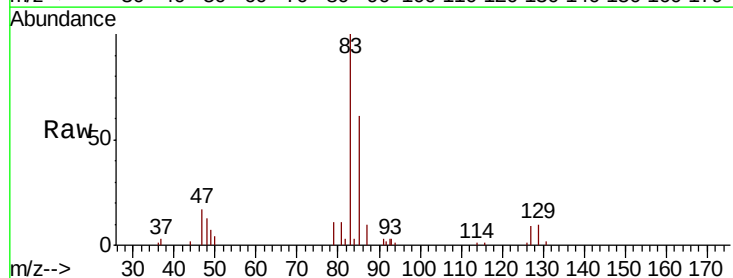
Tgt Ion: 83 Resp: 26871

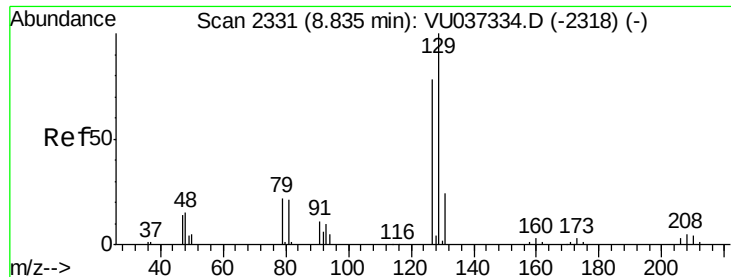
Ion Ratio Lower Upper

83 100

85 61.3 45.8 85.0

127 8.7 7.0 10.6





#49

Dibromochloromethane

Concen: 1.448 ug/L

RT: 8.84 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU037342.D

Acq: 19 Mar 2020 17:28

Instrument :

MSVOA\_U

ClientSampleId :

C0AA8RE

Tot Ion:129 Resp: 14986

Ion Ratio Lower Upper

129 100

127 81.0 53.6 99.6

