

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031920\  
 Data File : VU037340.D  
 Acq On : 19 Mar 2020 14:32  
 Operator : JC/MD  
 Sample : L1983-04  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AA8

Quant Time: Mar 20 03:49:44 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  | 134645   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 130946   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 66326    | 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    | 30937    | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 98.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 8300     | 0.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 10.80%# |
| 20) 2-Butanone-d5              | 4.67   | 46    | 109987   | 51.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 103.80% |
| 24) Chloroform-d               | 5.11   | 84    | 85382    | 5.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 105.40% |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 49216    | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.00% |
| 32) Benzene-d6                 | 5.76   | 84    | 141668   | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 102.20% |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 46670    | 5.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 102.60% |
| 41) Toluene-d8                 | 7.92   | 98    | 2823     | 0.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 2.00%#  |
| 43) trans-1,3-Dichloropropene- | 8.21   | 79    | 3891     | 0.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 19.20%# |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 87076    | 48.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 96.38%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 41544    | 5.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 106.40% |
| 64) 1,2-Dichlorobenzene-d4     | 12.21  | 152   | 55190    | 5.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 101.80% |

## Target Compounds

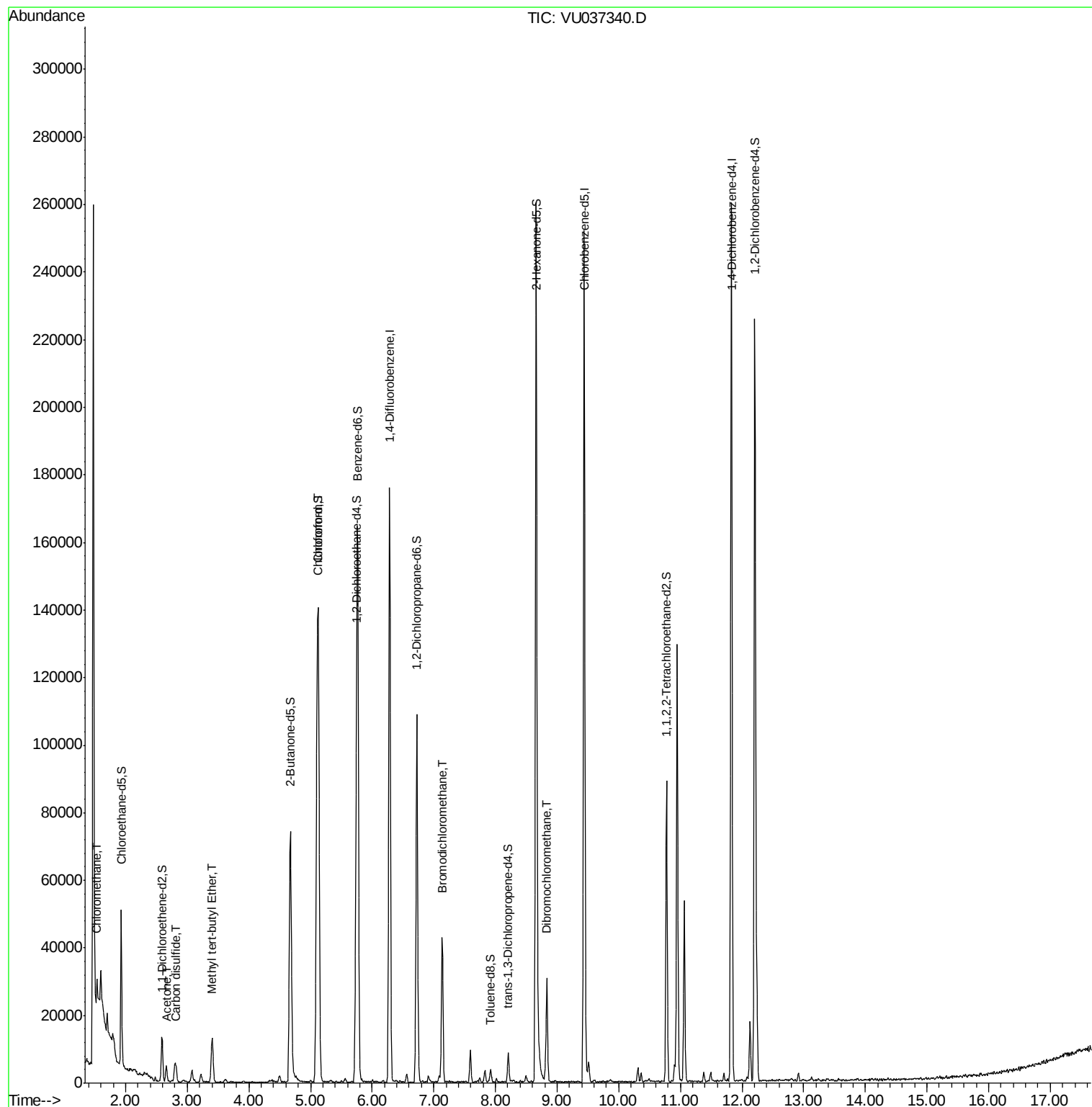
| Target Compounds            | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|-----------------------------|------|------|----------|-------|--------|--------|
| 3) Chloromethane            | 1.54 | 50   | 5264     | 0.344 | ug/L   | 96     |
| 13) Acetone                 | 2.66 | 43   | 5877     | 3.278 | ug/L   | 94     |
| 14) Carbon disulfide        | 2.82 | 76   | 4766     | 0.171 | ug/L # | 93     |
| 17) Methyl tert-butyl Ether | 3.41 | 73   | 14187    | 0.572 | ug/L   | 97     |
| 25) Chloroform              | 5.13 | 83   | 95404    | 4.677 | ug/L   | 96     |
| 38) Bromodichloromethane    | 7.14 | 83   | 26119    | 1.785 | ug/L   | 98     |
| 49) Dibromochloromethane    | 8.83 | 129  | 15290    | 1.563 | ug/L   | 97     |

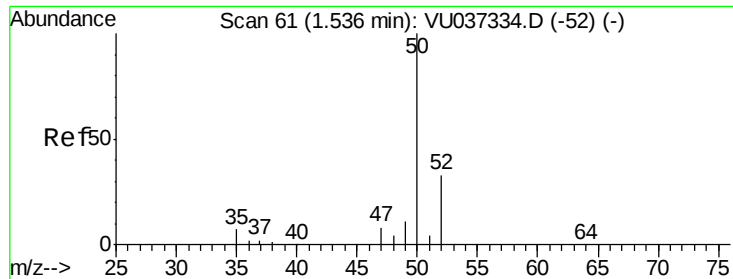
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.344 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037340.D

Acq: 19 Mar 2020 14:32

Instrument :

MSVOA\_U

ClientSampleId :

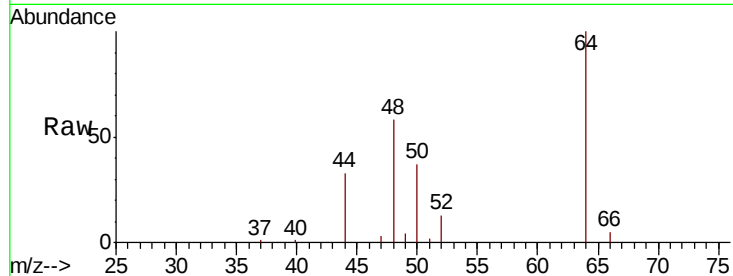
C0AA8

Tot Ion: 50 Resp: 5264

Ion Ratio Lower Upper

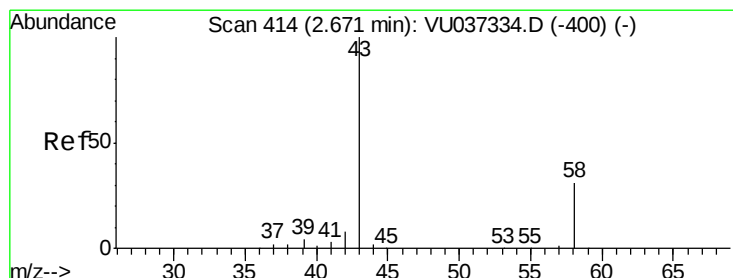
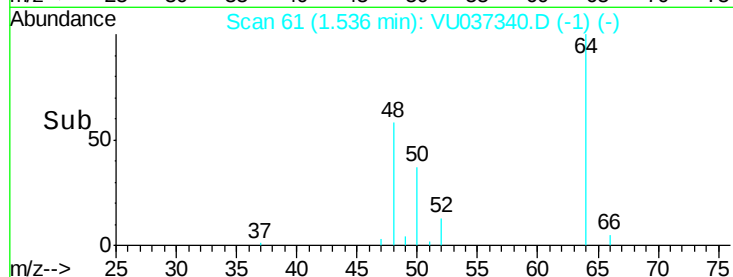
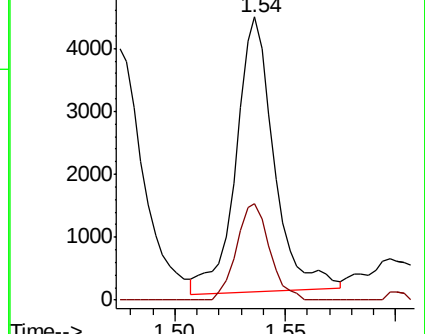
50 100

52 33.9 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU037340.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU037340.D (-52) (-)



#13

Acetone

Concen: 3.278 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU037340.D

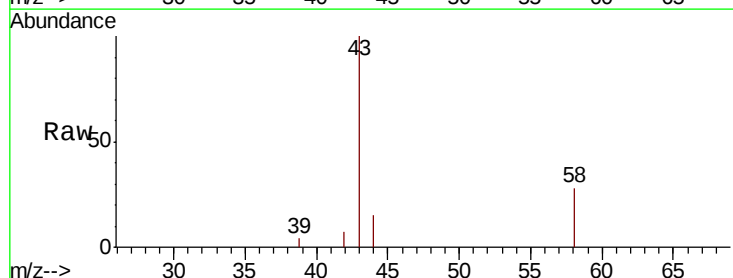
Acq: 19 Mar 2020 14:32

Tgt Ion: 43 Resp: 5877

Ion Ratio Lower Upper

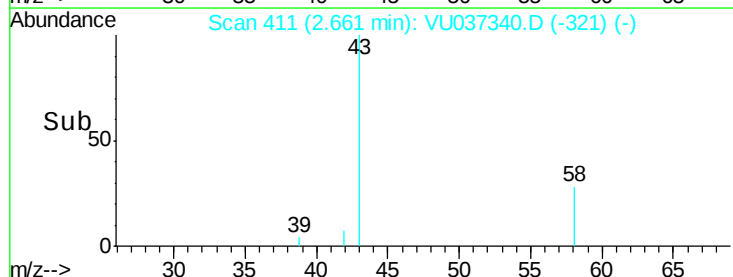
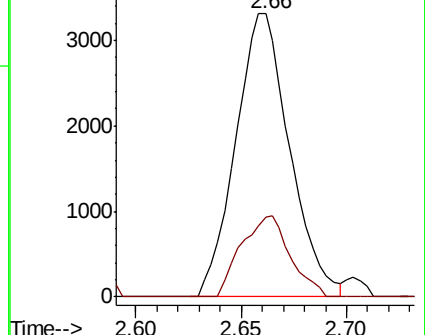
43 100

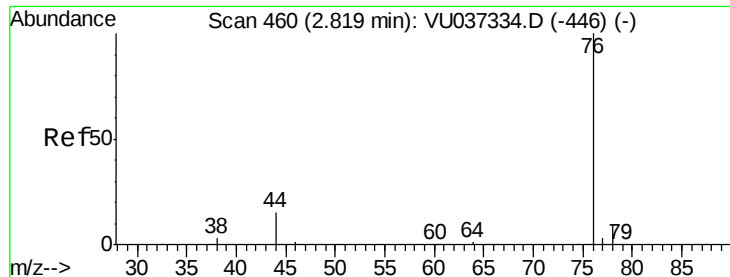
58 26.0 0.0 58.0



Abundance Ion 43.05 (42.75 to 43.75): VU037334.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU037334.D (-400) (-)





#14

Carbon disulfide

Concen: 0.171 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU037340.D

Acq: 19 Mar 2020 14:32

Instrument :

MSVOA\_U

ClientSampleId :

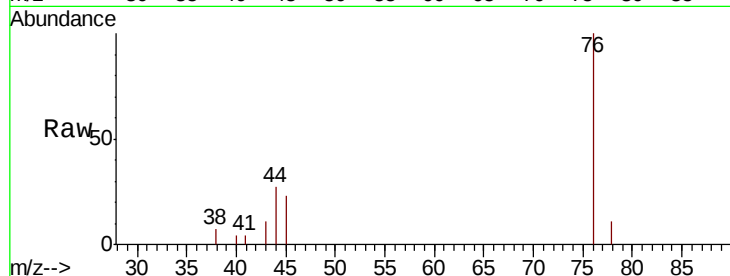
C0AA8

Tot Ion: 76 Resp: 4766

Ion Ratio Lower Upper

76 100

78 11.4 7.1 10.7#

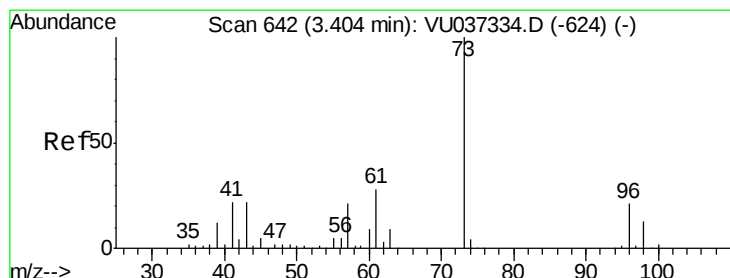
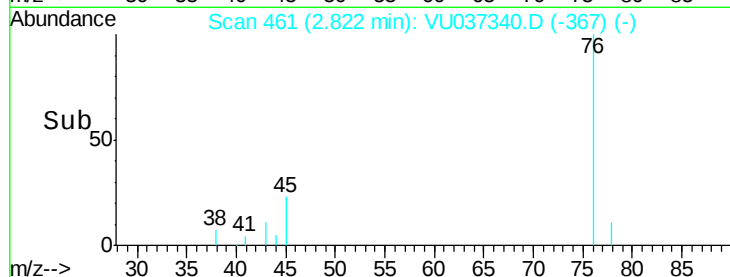


Abundance Ion 76.05 (75.75 to 76.75): VU037334.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU037334.D (-446) (-)

2.82

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.572 ug/L

RT: 3.41 min Scan# 643

Delta R.T. 0.00 min

Lab File: VU037340.D

Acq: 19 Mar 2020 14:32

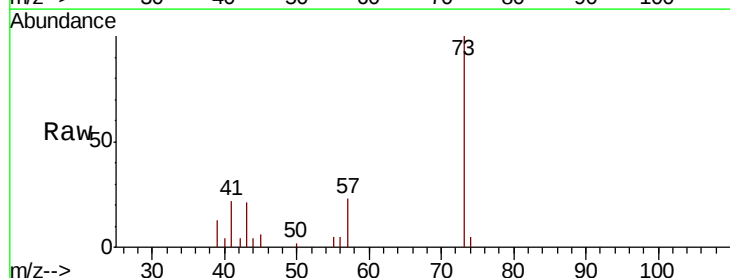
Tgt Ion: 73 Resp: 14187

Ion Ratio Lower Upper

73 100

43 21.2 18.6 28.0

57 21.1 17.1 25.7



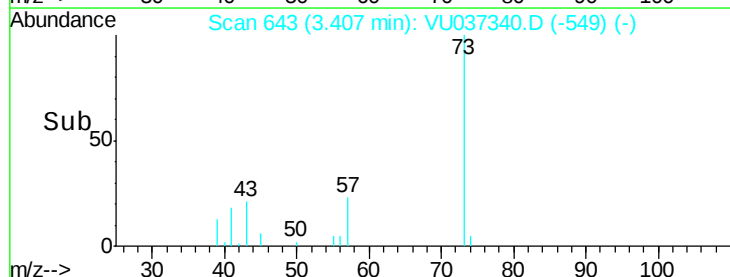
Abundance Ion 73.10 (72.80 to 73.80): VU037334.D (-624) (-)

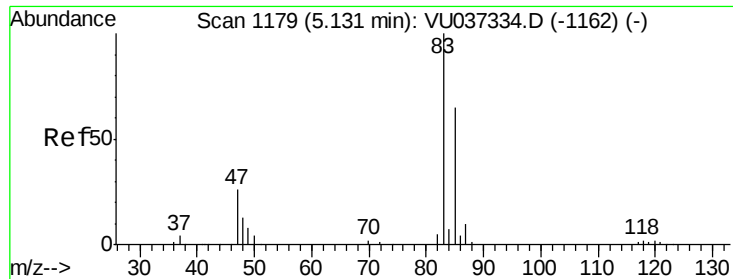
Ion 43.05 (42.75 to 43.75): VU037334.D (-624) (-)

Ion 57.10 (56.80 to 57.80): VU037334.D (-624) (-)

3.41

Time-->

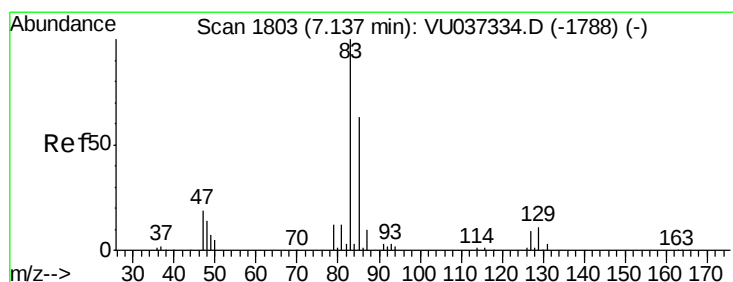
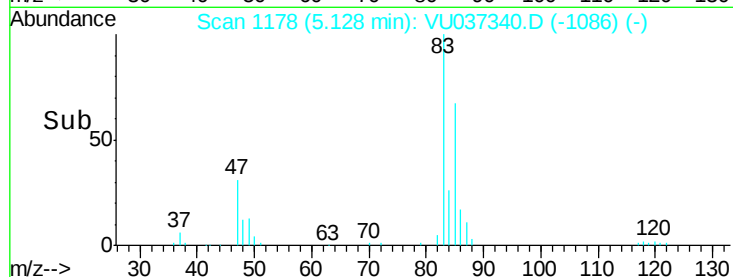
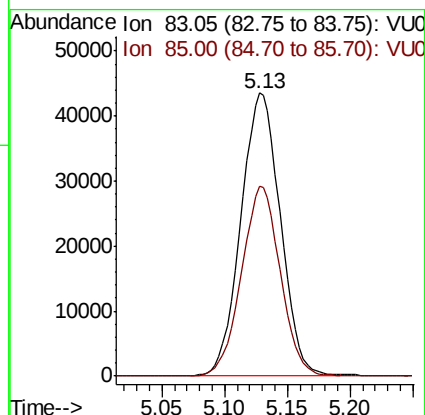
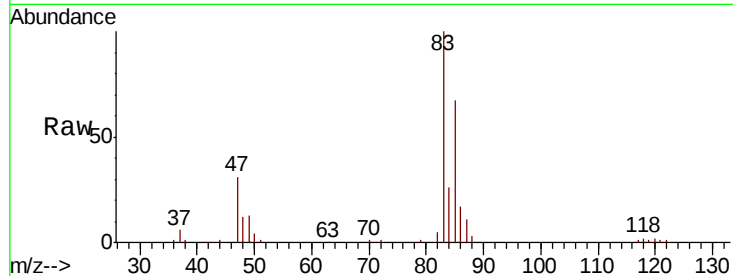




#25  
Chloroform  
Concen: 4.677 ug/L  
RT: 5.13 min Scan# 1178  
Delta R.T. -0.00 min  
Lab File: VU037340.D  
Acq: 19 Mar 2020 14:32

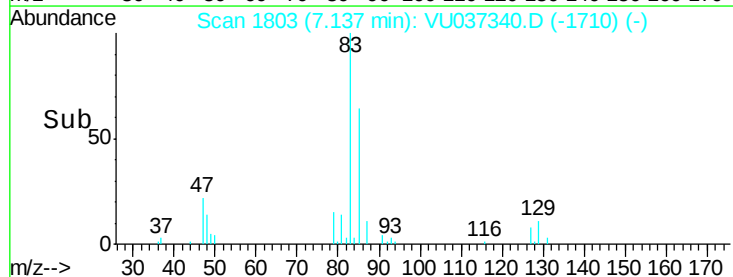
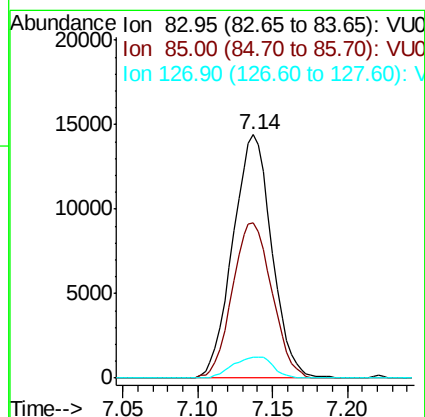
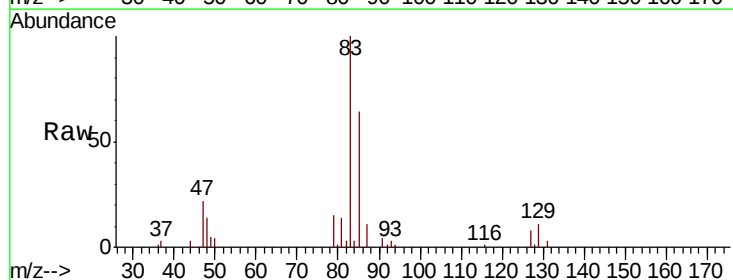
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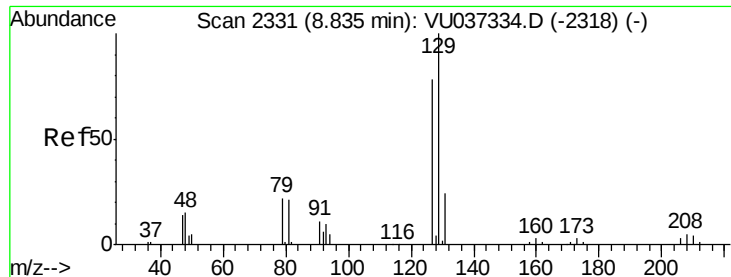
Tot Ion: 83 Resp: 95404  
Ion Ratio Lower Upper  
83 100  
85 67.0 44.7 82.9



#38  
Bromodichloromethane  
Concen: 1.785 ug/L  
RT: 7.14 min Scan# 1803  
Delta R.T. -0.00 min  
Lab File: VU037340.D  
Acq: 19 Mar 2020 14:32

Tgt Ion: 83 Resp: 26119  
Ion Ratio Lower Upper  
83 100  
85 64.0 45.8 85.0  
127 8.5 7.0 10.6





#49

Dibromochloromethane

Concen: 1.563 ug/L

RT: 8.83 min Scan# 2331

Delta R.T. -0.00 min

Lab File: VU037340.D

Acq: 19 Mar 2020 14:32

Instrument :

MSVOA\_U

ClientSampleId :

C0AA8

Tot Ion:129 Resp: 15290

Ion Ratio Lower Upper

129 100

127 74.2 53.6 99.6

