

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU041919\  
 Data File : VU031346.D  
 Acq On : 19 Apr 2019 08:54  
 Operator : JC/SP  
 Sample : K2428-16  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0X25

Quant Time: Apr 20 05:41:44 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR041919WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Apr 20 05:39:07 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 203188   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 198449   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 67292    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 86513    | 3.78     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 75.60%   |
| 7) Chloroethane-d5             | 1.68   | 69    | 76180    | 4.18     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 83.60%   |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 132490   | 2.95     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 59.00%#  |
| 20) 2-Butanone-d5              | 4.20   | 46    | 286796   | 65.49    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 130.98%# |
| 24) Chloroform-d               | 4.64   | 84    | 157912   | 5.52     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 110.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 84812    | 5.48     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 109.60%  |
| 32) Benzene-d6                 | 5.34   | 84    | 276930   | 5.01     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 94219    | 5.42     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 108.40%  |
| 41) Toluene-d8                 | 7.56   | 98    | 193055   | 3.90     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 78.00%   |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 27181    | 3.91     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 78.20%   |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 155419   | 48.29    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 96.58%   |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 69346    | 4.76     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 95.20%   |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 71657    | 5.46     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 109.20%  |

## Target Compounds

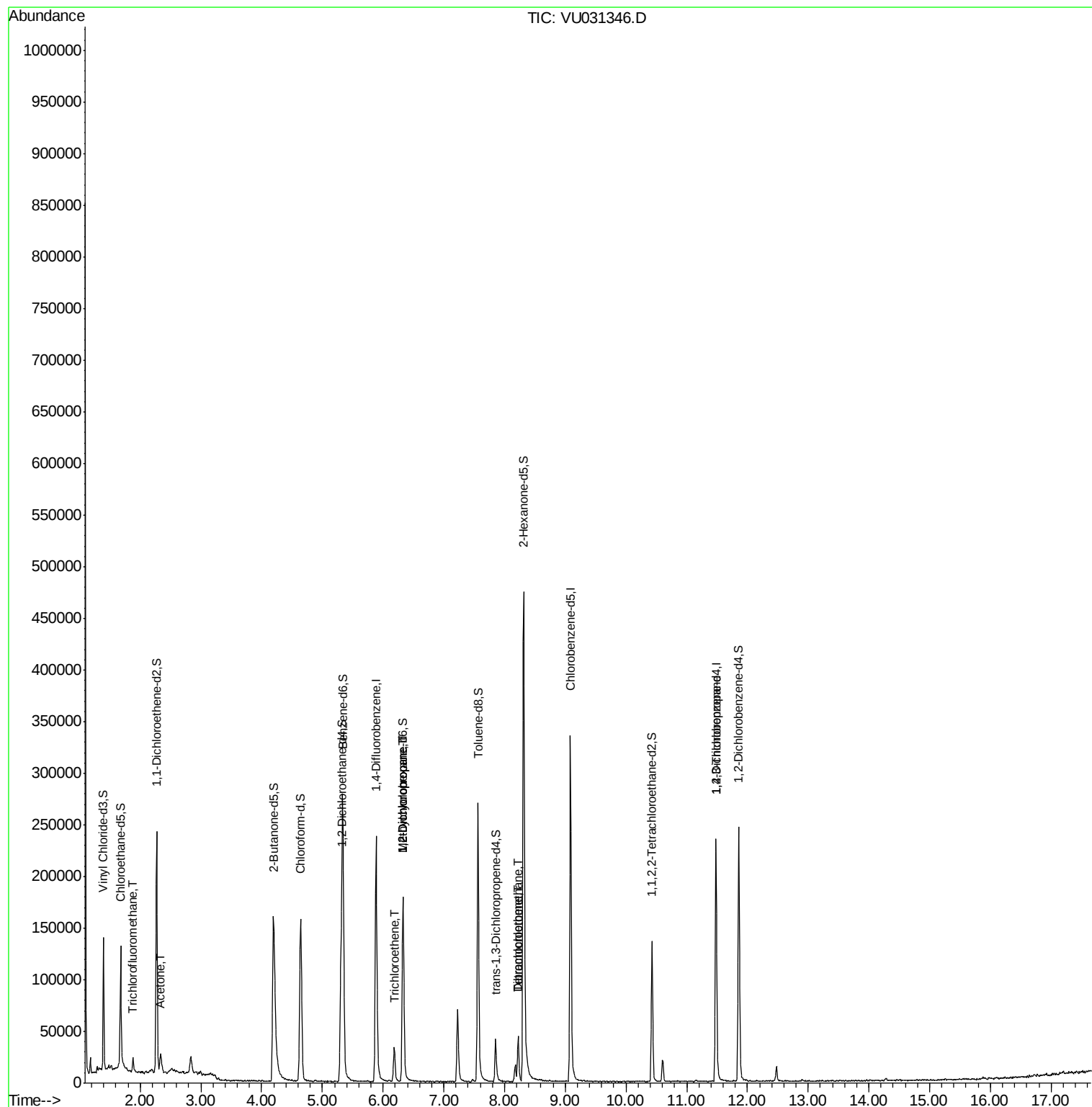
| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 9) Trichlorofluoromethane  | 1.88  | 101  | 5490     | 0.135 | ug/L   | 93     |
| 13) Acetone                | 2.34  | 43   | 16777    | 3.443 | ug/L   | 100    |
| 34) Trichloroethene        | 6.19  | 95   | 11518    | 0.633 | ug/L   | 92     |
| 35) Methylcyclohexane      | 6.33  | 83   | 21396    | 0.853 | ug/L # | 15     |
| 37) 1,2-Dichloropropane    | 6.33  | 63   | 9788     | 0.551 | ug/L # | 87     |
| 47) Tetrachloroethene      | 8.22  | 164  | 10643    | 0.785 | ug/L   | 96     |
| 49) Dibromochloromethane   | 8.22  | 129  | 10286    | 0.679 | ug/L # | 11     |
| 59) 1,2,3-Trichloropropane | 11.48 | 75   | 7864     | 0.679 | ug/L   | 92     |

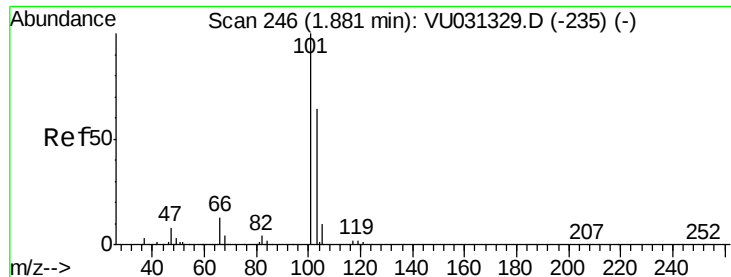
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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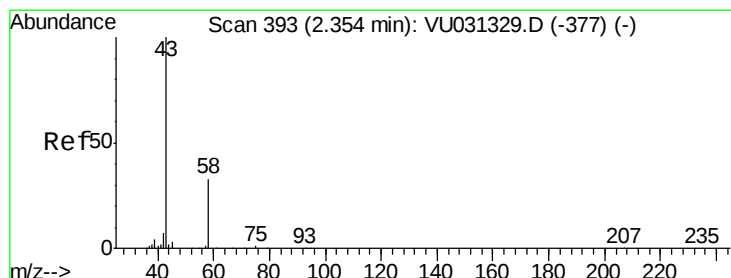
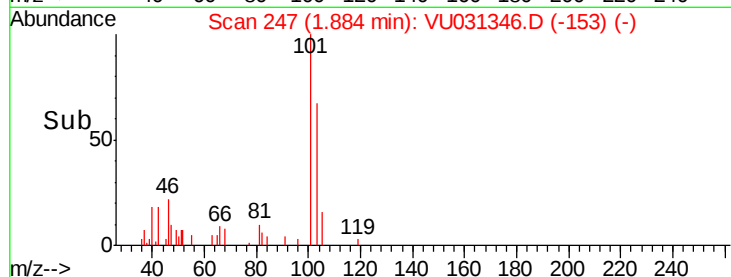
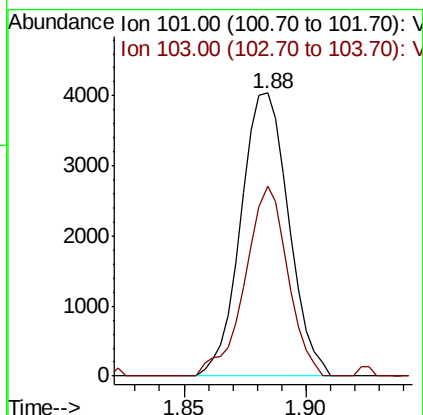
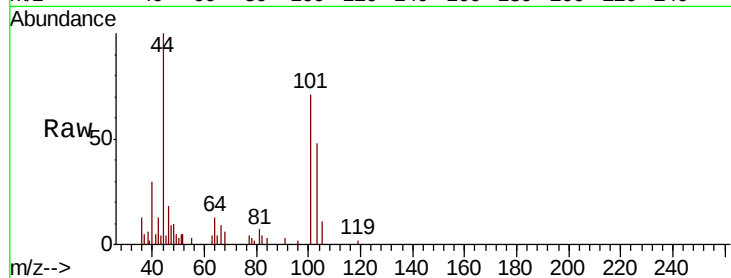


#9

Trichlorofluoromethane  
 Concen: 0.135 ug/L  
 RT: 1.88 min Scan# 247  
 Delta R.T. 0.00 min  
 Lab File: VU031346.D  
 Acq: 19 Apr 2019 08:54

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0X25

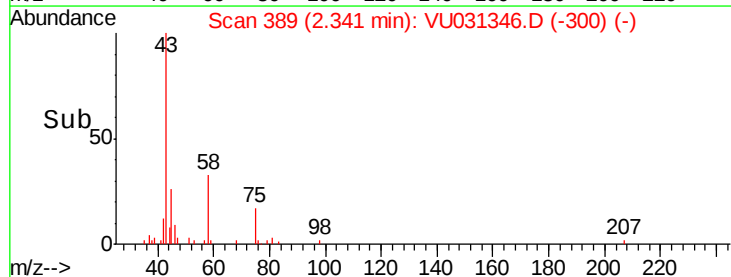
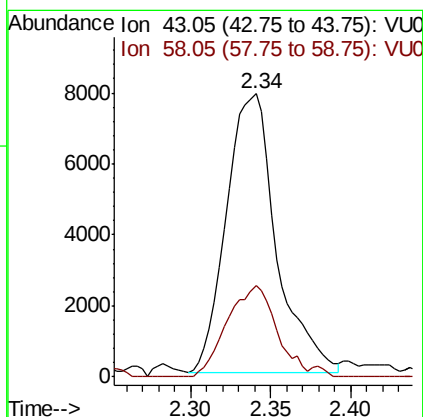
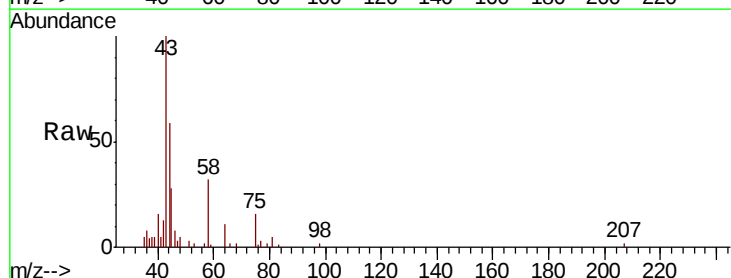
Tgt Ion: 101 Resp: 5490  
 Ion Ratio Lower Upper  
 101 100  
 103 59.9 52.3 78.5

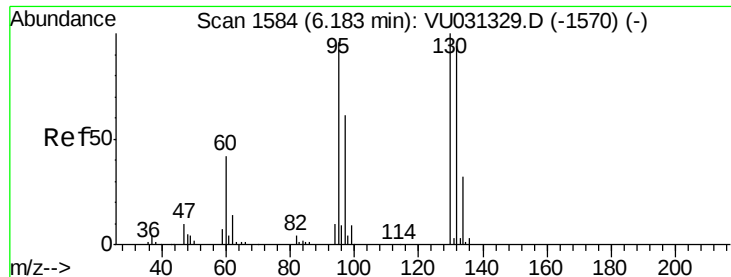


#13

Acetone  
 Concen: 3.443 ug/L  
 RT: 2.34 min Scan# 389  
 Delta R.T. -0.01 min  
 Lab File: VU031346.D  
 Acq: 19 Apr 2019 08:54

Tgt Ion: 43 Resp: 16777  
 Ion Ratio Lower Upper  
 43 100  
 58 32.1 0.0 64.4





#34

Trichloroethene

Concen: 0.633 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU031346.D

Acq: 19 Apr 2019 08:54

Instrument :

MSVOA\_U

ClientSampleId :

C0X25

Tgt Ion: 95 Resp: 11518

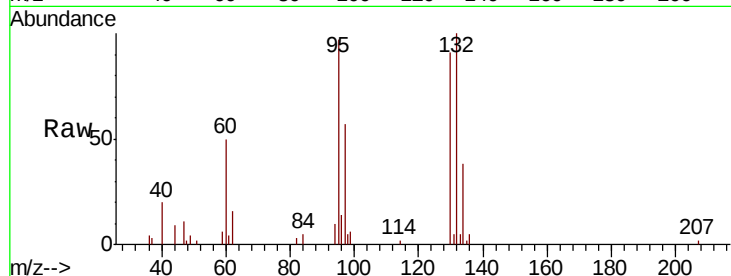
Ion Ratio Lower Upper

95 100

97 58.3 46.8 86.8

132 103.1 65.8 122.2

130 94.2 69.5 129.1

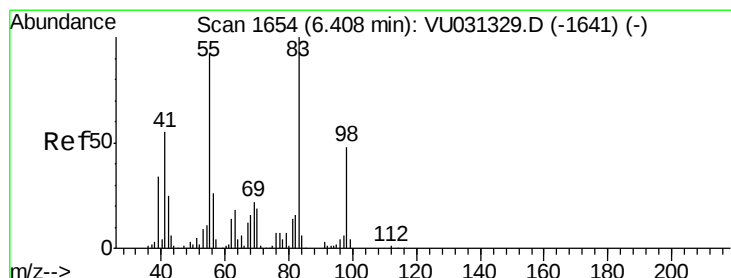
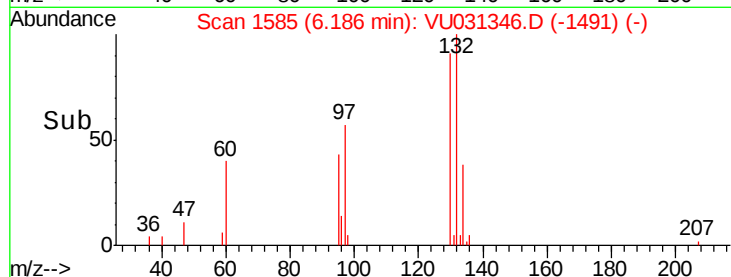
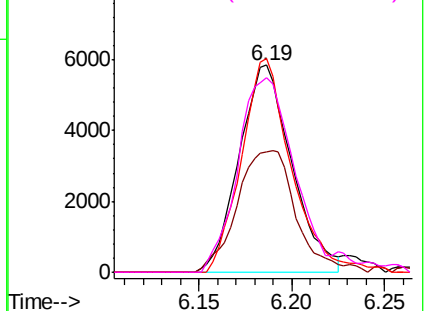


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 0.853 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.08 min

Lab File: VU031346.D

Acq: 19 Apr 2019 08:54

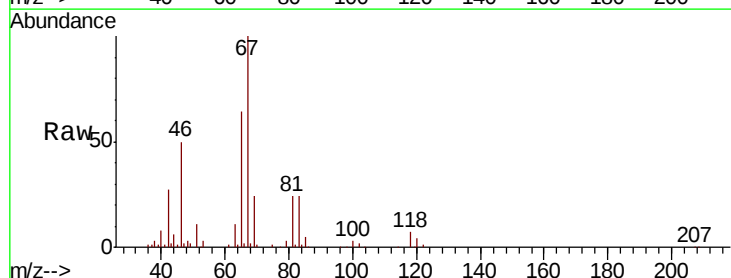
Tgt Ion: 83 Resp: 21396

Ion Ratio Lower Upper

83 100

55 0.2 70.6 105.8#

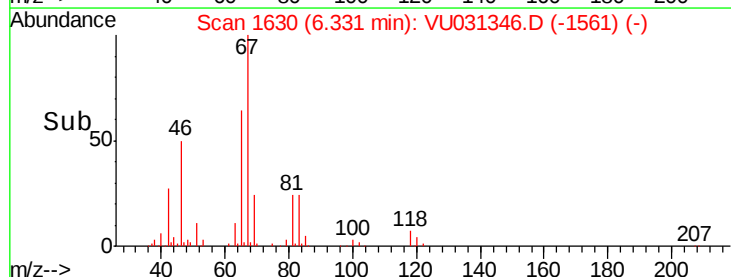
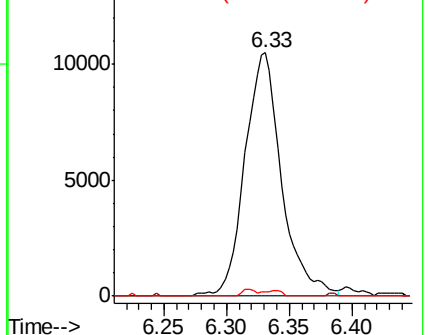
98 1.0 37.0 55.4#

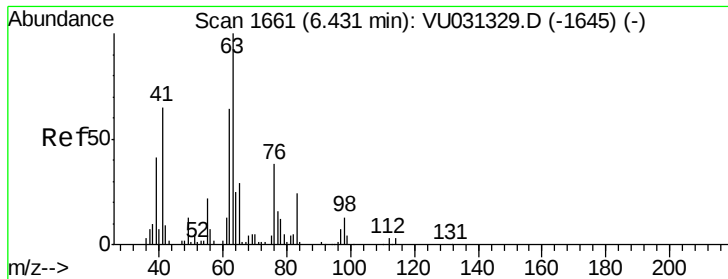


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.551 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU031346.D

Acq: 19 Apr 2019 08:54

Instrument :

MSVOA\_U

ClientSampled :

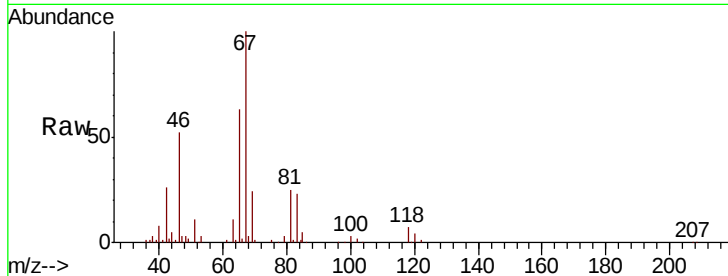
C0X25

Tgt Ion: 63 Resp: 9788

Ion Ratio Lower Upper

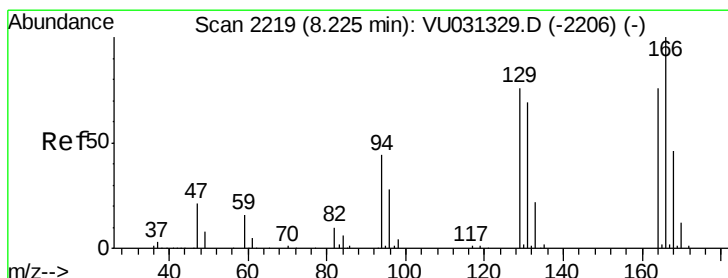
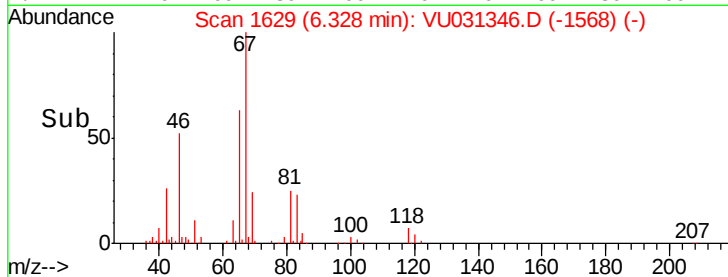
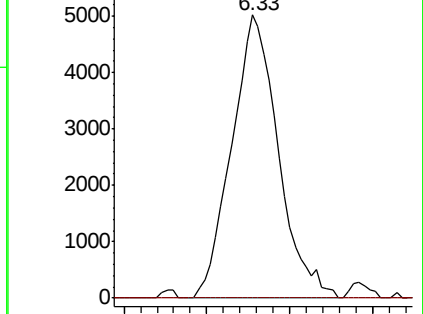
63 100

112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU031329.D (-1645) (-)

Ion 112.10 (111.80 to 112.80): VU031329.D (-1645) (-)



#47

Tetrachloroethene

Concen: 0.785 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU031346.D

Acq: 19 Apr 2019 08:54

Tgt Ion: 164 Resp: 10643

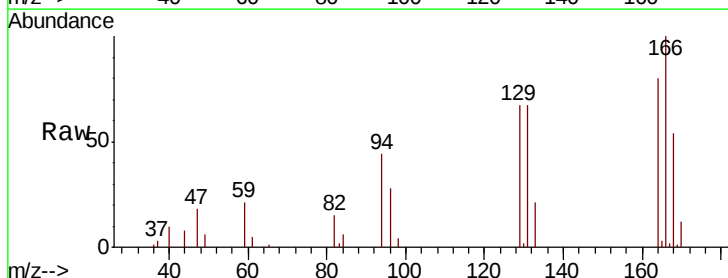
Ion Ratio Lower Upper

164 100

129 84.2 61.9 114.9

131 84.0 61.5 114.3

166 125.7 84.6 157.0

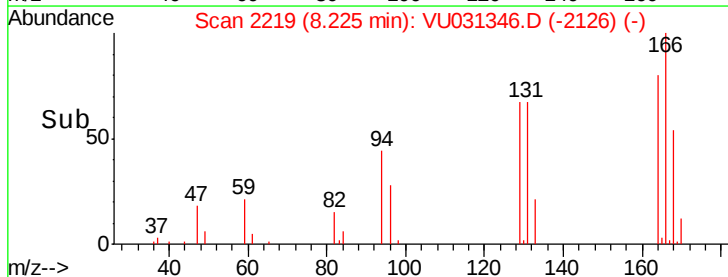
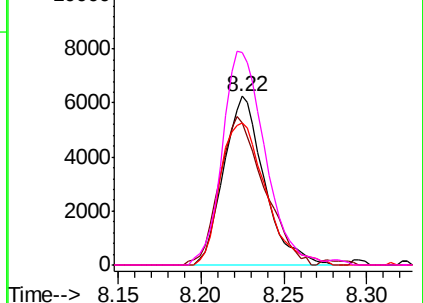


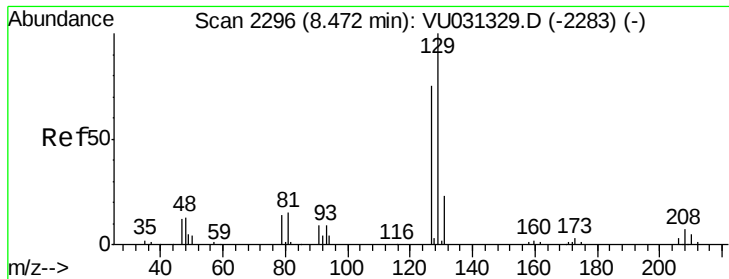
Abundance Ion 163.90 (163.60 to 164.60): VU031329.D (-2206) (-)

Ion 128.95 (128.65 to 129.65): VU031329.D (-2206) (-)

Ion 130.95 (130.65 to 131.65): VU031329.D (-2206) (-)

Ion 165.90 (165.60 to 166.60): VU031329.D (-2206) (-)





#49

Dibromochloromethane

Concen: 0.679 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU031346.D

Acq: 19 Apr 2019 08:54

Instrument :

MSVOA\_U

ClientSampleId :

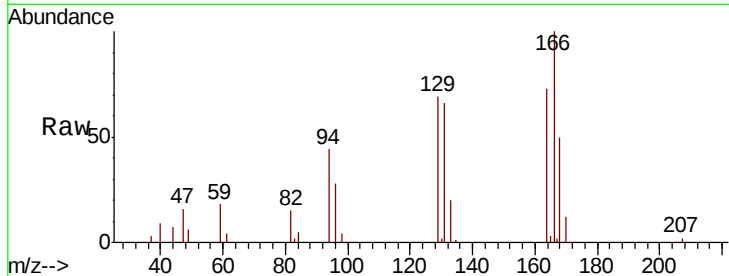
C0X25

Tgt Ion:129 Resp: 10286

Ion Ratio Lower Upper

129 100

127 0.0 53.3 99.1#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.22

6000

5000

4000

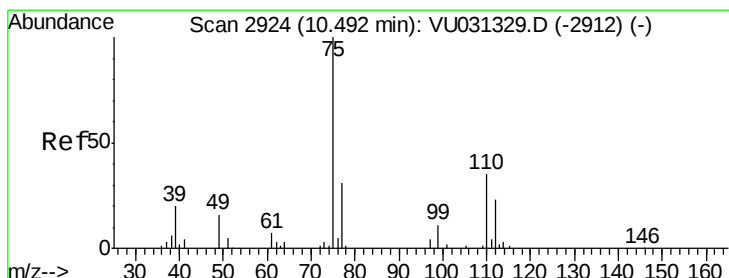
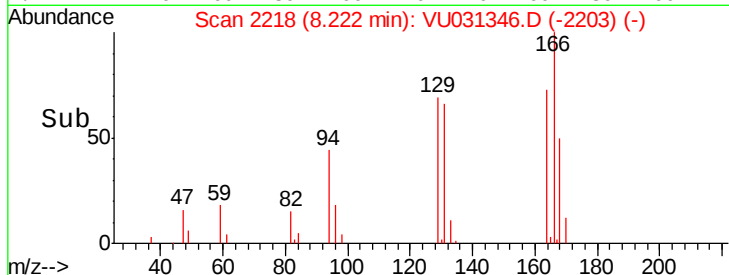
3000

2000

1000

0

Time--> 8.15 8.20 8.25 8.30



#59

1,2,3-Trichloropropane

Concen: 0.679 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031346.D

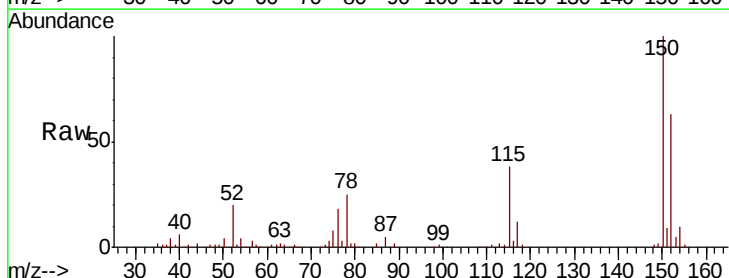
Acq: 19 Apr 2019 08:54

Tgt Ion: 75 Resp: 7864

Ion Ratio Lower Upper

75 100

77 38.4 27.0 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

5000

4000

3000

2000

1000

0

Time--> 11.45 11.50 11.55

