

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111618\  
 Data File : VU028188.D  
 Acq On : 16 Nov 2018 17:00  
 Operator : MD/SY  
 Sample : J5946-06  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 17 00:02:37 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR111418WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Nov 16 23:59:22 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 145116   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 140377   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 60996    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 55574    | 4.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 92.20%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 46581    | 4.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 97.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.28   | 63    | 76703    | 3.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 68.20%  |
| 20) 2-Butanone-d5              | 4.20   | 46    | 201583   | 57.72    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 115.44% |
| 24) Chloroform-d               | 4.65   | 84    | 93116    | 4.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 55823    | 5.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.40% |
| 32) Benzene-d6                 | 5.34   | 84    | 184428   | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 71311    | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 99.00%  |
| 41) Toluene-d8                 | 7.57   | 98    | 156505   | 4.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 83.40%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 18900    | 3.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 73.60%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 142551   | 48.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 97.08%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 50961    | 5.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 100.00% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 53558    | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 94.00%  |

## Target Compounds

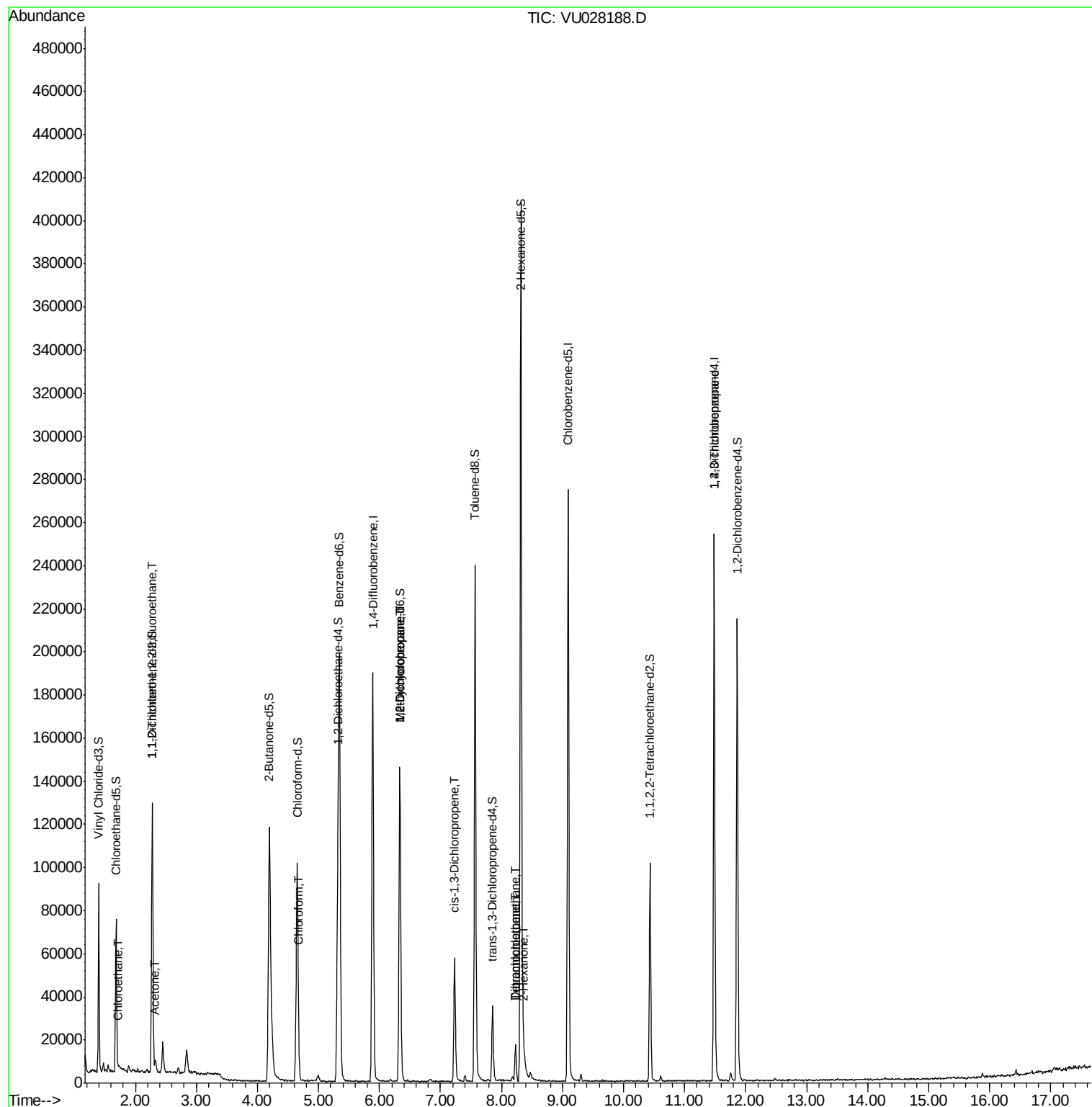
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 8) Chloroethane                | 1.72  | 64   | 1749     | 0.187 | ug/L # | 54     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.28  | 101  | 446      | 0.047 | ug/L # | 20     |
| 13) Acetone                    | 2.32  | 43   | 4821     | 2.050 | ug/L   | 95     |
| 25) Chloroform                 | 4.68  | 83   | 775      | 0.040 | ug/L   | 85     |
| 35) Methylcyclohexane          | 6.33  | 83   | 13565    | 0.675 | ug/L # | 16     |
| 37) 1,2-Dichloropropane        | 6.33  | 63   | 7074     | 0.541 | ug/L # | 92     |
| 39) cis-1,3-Dichloropropene    | 7.23  | 75   | 1516     | 0.086 | ug/L   | 89     |
| 47) Tetrachloroethene          | 8.23  | 164  | 3715     | 0.391 | ug/L   | 85     |
| 48) 2-Hexanone                 | 8.38  | 43   | 4923     | 0.768 | ug/L # | 55     |
| 49) Dibromochloromethane       | 8.23  | 129  | 3575     | 0.425 | ug/L # | 11     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75   | 9141     | 1.244 | ug/L   | 94     |

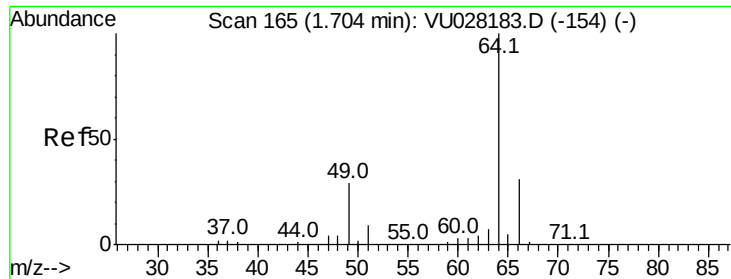
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : J5946-06  
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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Nov 17 00:02:37 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR111418WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Nov 16 23:59:22 2018  
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.187 ug/L

RT: 1.72 min Scan# 171

Delta R.T. 0.02 min

Lab File: VU028188.D

Acq: 16 Nov 2018 17:00

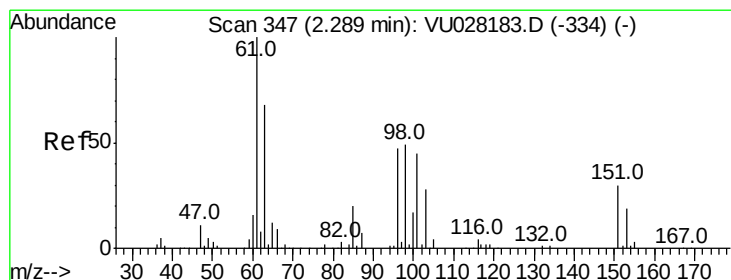
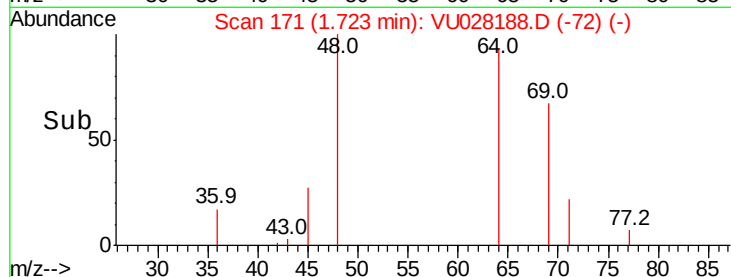
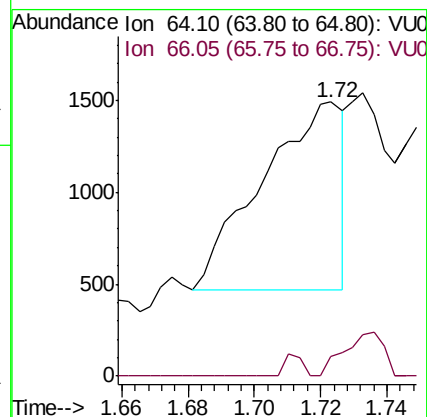
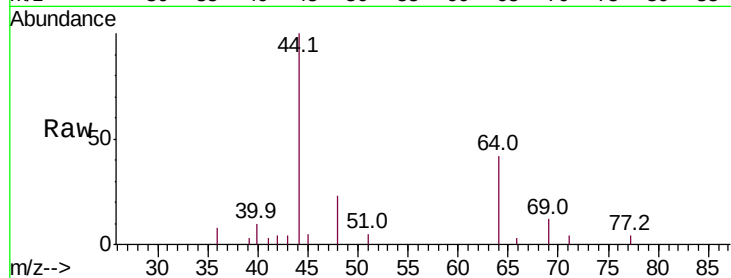
Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 64 Resp: 1749

Ion Ratio Lower Upper

64 100

66 7.2 23.1 42.9#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.047 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU028188.D

Acq: 16 Nov 2018 17:00

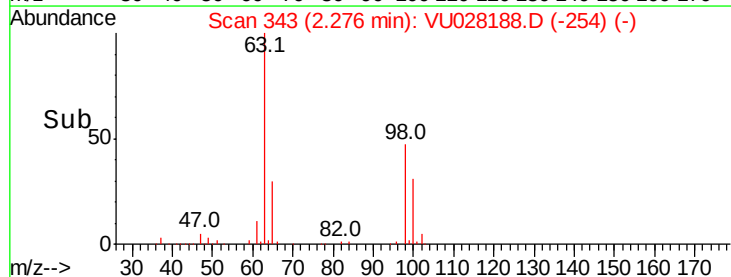
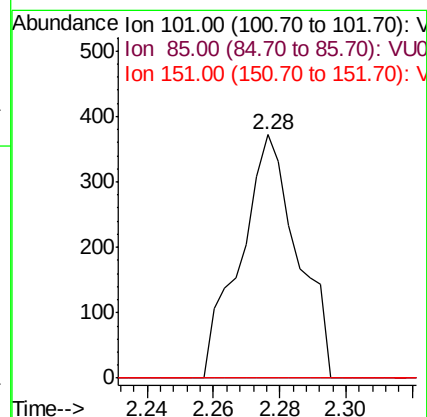
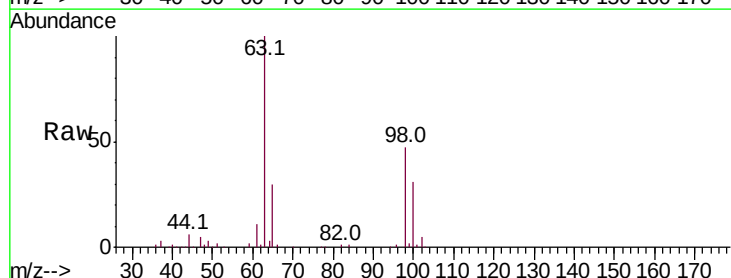
Tgt Ion: 101 Resp: 446

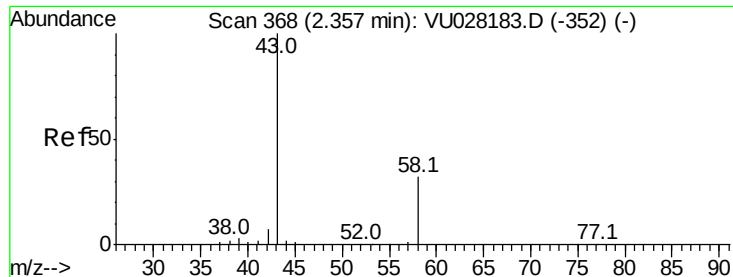
Ion Ratio Lower Upper

101 100

85 0.0 37.6 56.4#

151 0.0 58.2 87.2#





#13

Acetone

Concen: 2.050 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.03 min

Lab File: VU028188.D

Acq: 16 Nov 2018 17:00

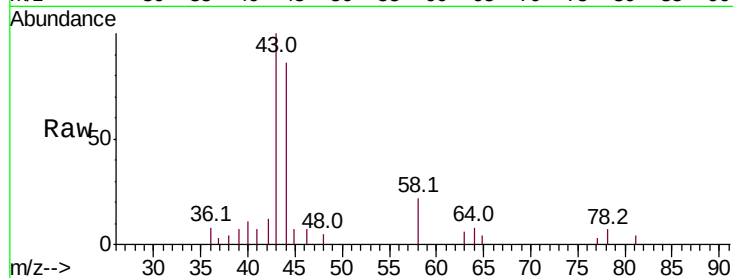
Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 43 Resp: 4821

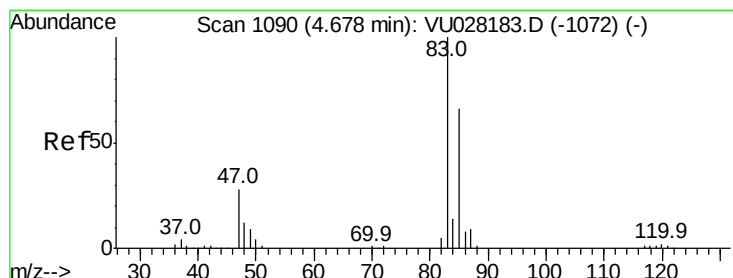
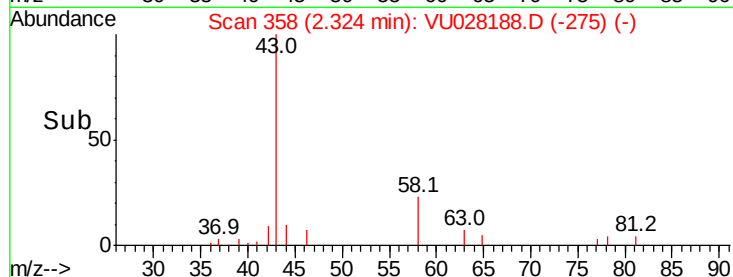
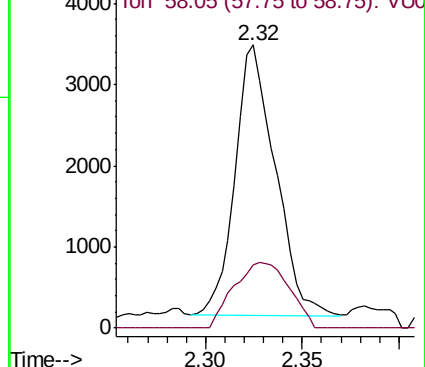
Ion Ratio Lower Upper

43 100

58 33.4 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VU028188.D (-352) (-)



#25

Chloroform

Concen: 0.040 ug/L

RT: 4.68 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VU028188.D

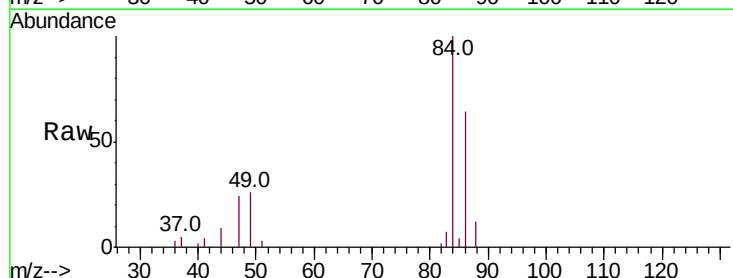
Acq: 16 Nov 2018 17:00

Tgt Ion: 83 Resp: 775

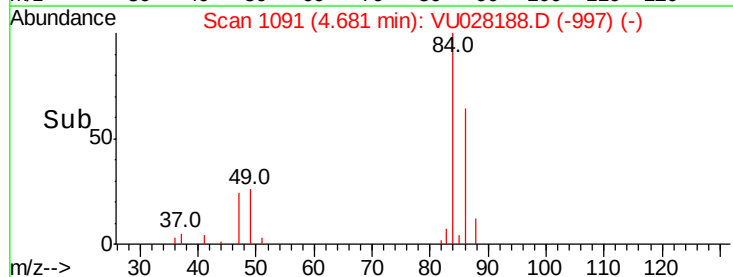
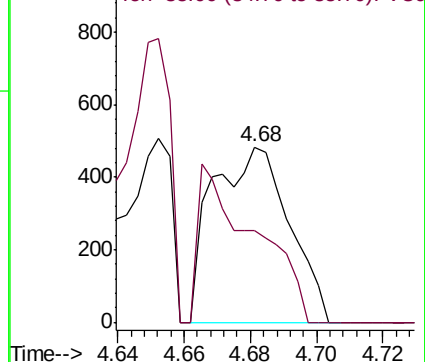
Ion Ratio Lower Upper

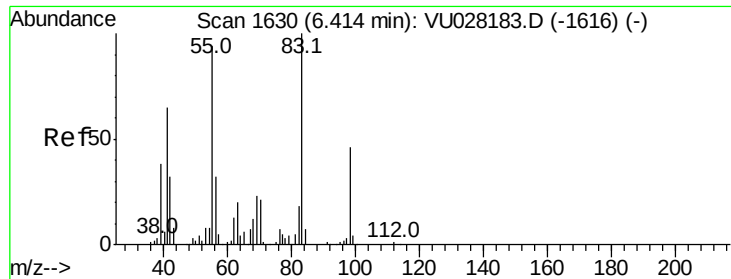
83 100

85 52.2 45.0 83.6



Abundance Ion 83.05 (82.75 to 83.75): VU028188.D (-1072) (-)

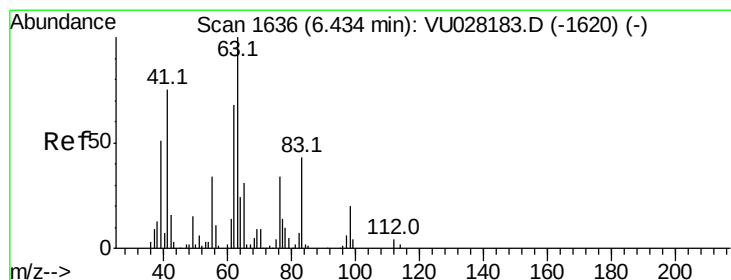
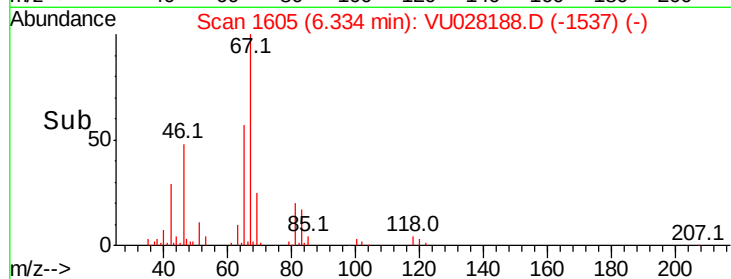
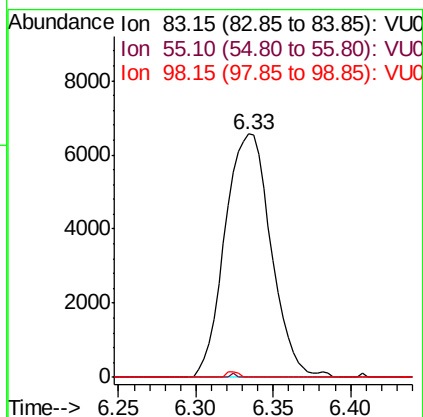
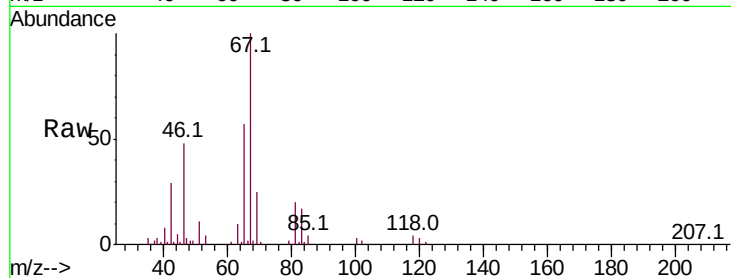




#35  
Methylvlcyclohexane  
Concen: 0.675 ug/L  
RT: 6.33 min Scan# 1605  
Delta R.T. -0.08 min  
Lab File: VU028188.D  
Acq: 16 Nov 2018 17:00

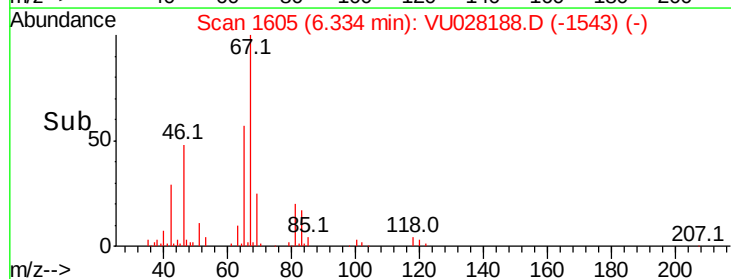
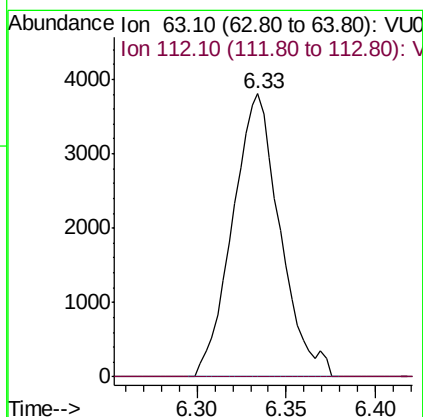
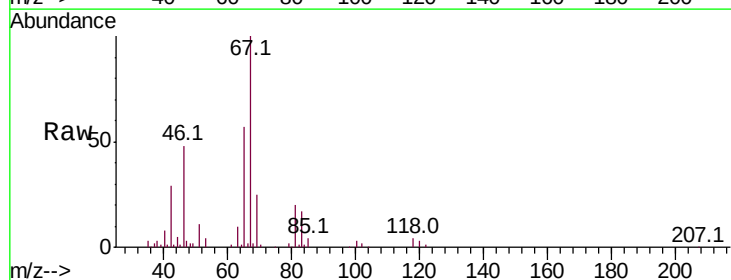
Instrument :  
MSVOA\_U  
ClientSampleId :

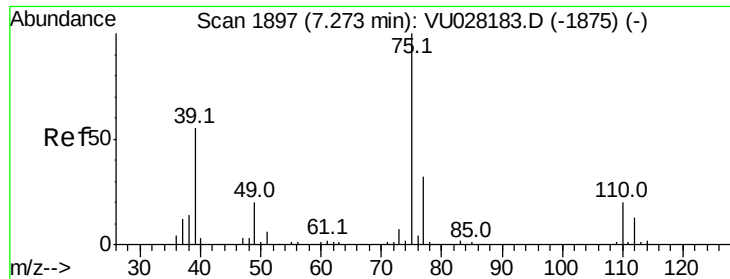
Tot Ion: 83 Resp: 13565  
Ion Ratio Lower Upper  
83 100  
55 0.1 69.0 103.4#  
98 0.6 33.3 49.9#



#37  
1,2-Dichloropropane  
Concen: 0.541 ug/L  
RT: 6.33 min Scan# 1605  
Delta R.T. -0.10 min  
Lab File: VU028188.D  
Acq: 16 Nov 2018 17:00

Tgt Ion: 63 Resp: 7074  
Ion Ratio Lower Upper  
63 100  
112 0.0 2.2 3.4#



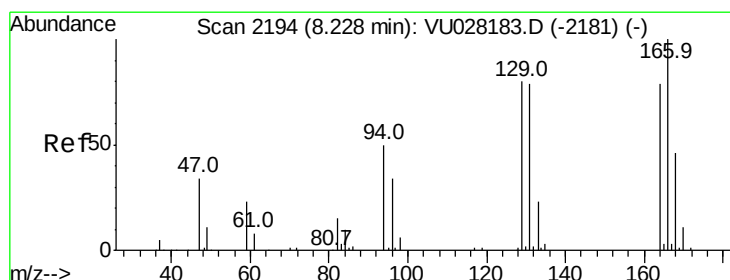
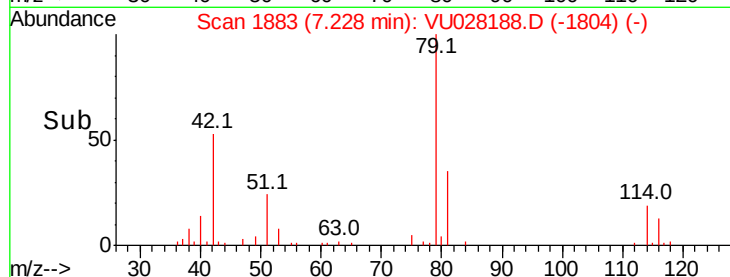
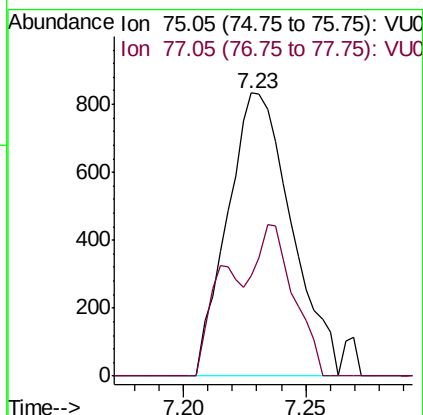
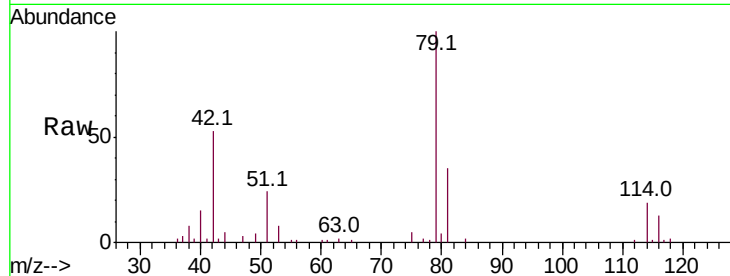


#39

cis-1,3-Dichloropropene  
 Concen: 0.086 ug/L  
 RT: 7.23 min Scan# 1883  
 Delta R.T. -0.05 min  
 Lab File: VU028188.D  
 Acq: 16 Nov 2018 17:00

Instrument :  
 MSVOA\_U  
 ClientSampled :

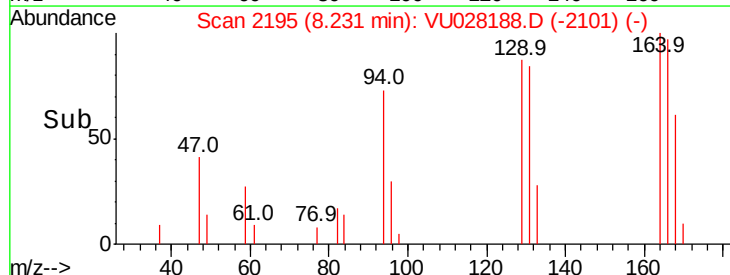
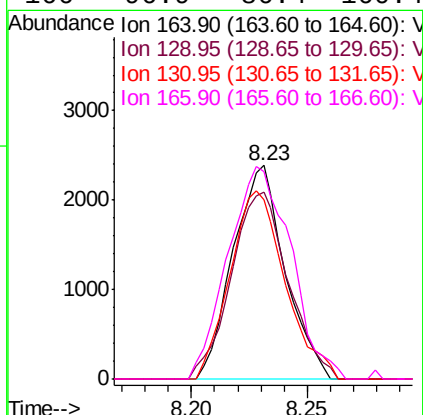
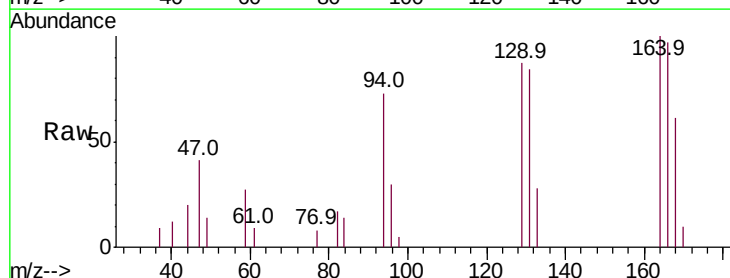
Tot Ion: 75 Resp: 1516  
 Ion Ratio Lower Upper  
 75 100  
 77 35.7 20.9 38.9

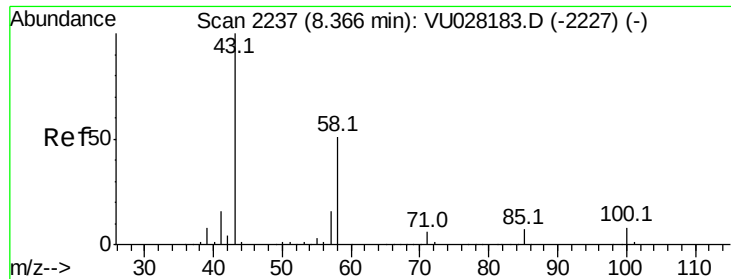


#47

Tetrachloroethene  
 Concen: 0.391 ug/L  
 RT: 8.23 min Scan# 2195  
 Delta R.T. 0.00 min  
 Lab File: VU028188.D  
 Acq: 16 Nov 2018 17:00

Tgt Ion:164 Resp: 3715  
 Ion Ratio Lower Upper  
 164 100  
 129 87.3 69.7 129.4  
 131 84.1 64.0 118.8  
 166 96.9 86.4 160.4

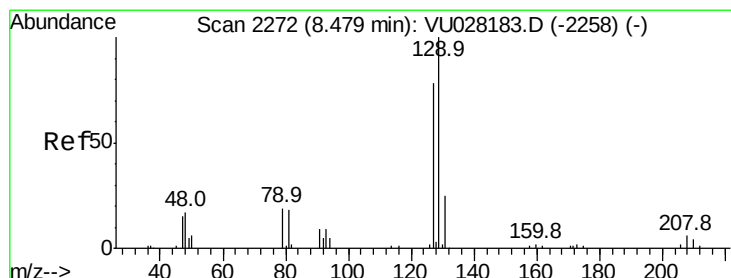
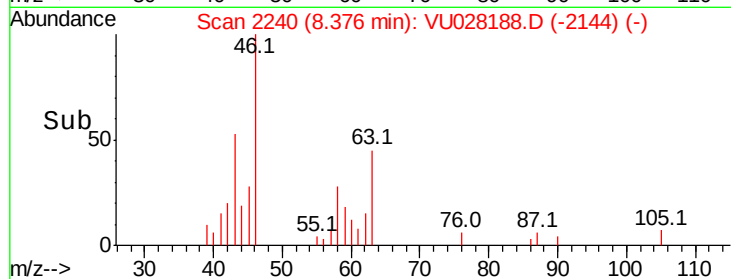
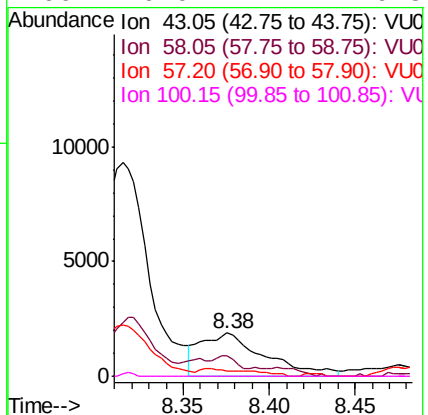
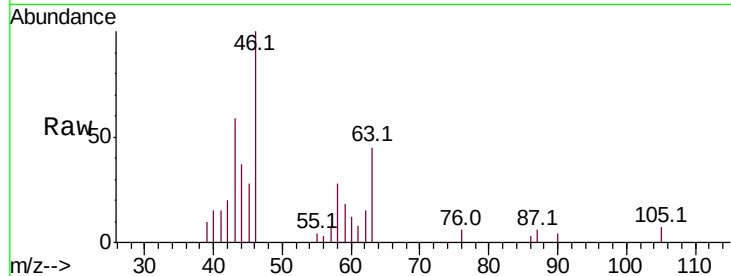




#48  
2-Hexanone  
Concen: 0.768 ug/L  
RT: 8.38 min Scan# 2240  
Delta R.T. 0.01 min  
Lab File: VU028188.D  
Acq: 16 Nov 2018 17:00

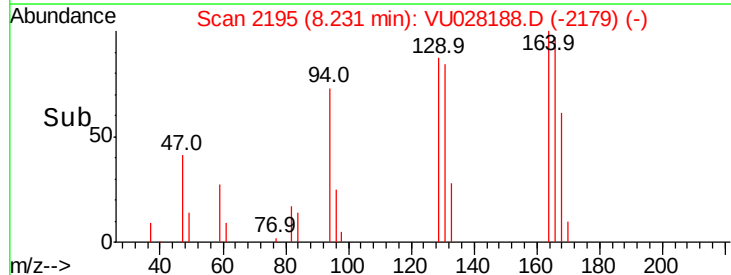
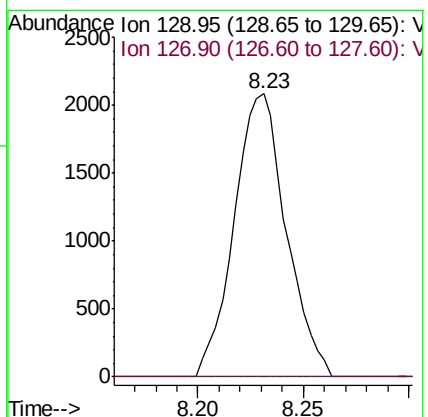
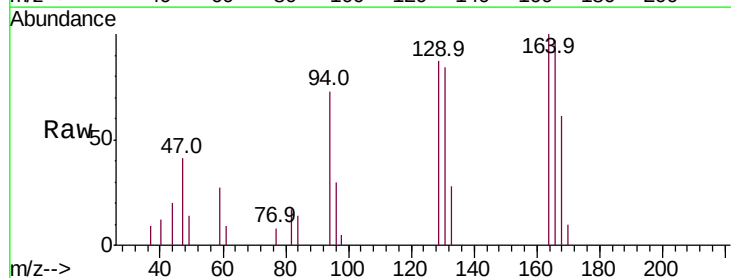
Instrument :  
MSVOA\_U  
ClientSampled :

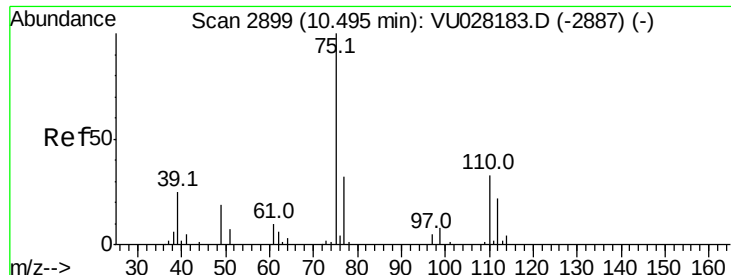
Tot Ion: 43 Resp: 4923  
Ion Ratio Lower Upper  
43 100  
58 9.6 41.7 62.5#  
57 14.1 14.0 21.0  
100 0.0 7.2 10.8#



#49  
Dibromochloromethane  
Concen: 0.425 ug/L  
RT: 8.23 min Scan# 2195  
Delta R.T. -0.25 min  
Lab File: VU028188.D  
Acq: 16 Nov 2018 17:00

Tgt Ion: 129 Resp: 3575  
Ion Ratio Lower Upper  
129 100  
127 0.0 54.1 100.5#





#59

1,2,3-Trichloropropane

Concen: 1.244 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028188.D

Acq: 16 Nov 2018 17:00

Instrument :

MSVOA\_U

ClientSampleId :

Tot Ion: 75 Resp: 9141

Ion Ratio Lower Upper

75 100

77 34.8 25.4 38.0

