

Data File : VU028248.D  
Acq On : 19 Nov 2018 12:29  
Operator : MD/SY  
Sample : J5944-12  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK02

Quant Time: Nov 20 07:10:57 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR111718WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Nov 20 07:07:24 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 130426   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 122192   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 52818    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 44245    | 4.51     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 90.20% |
| 7) Chloroethane-d5             | 1.68   | 69    | 39349    | 4.64     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 92.80% |
| 11) 1,1-Dichloroethene-d2      | 2.28   | 63    | 63847    | 3.27     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 65.40% |
| 20) 2-Butanone-d5              | 4.20   | 46    | 146076   | 44.48    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 88.96% |
| 24) Chloroform-d               | 4.65   | 84    | 82081    | 4.48     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.60% |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 45046    | 4.45     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.00% |
| 32) Benzene-d6                 | 5.34   | 84    | 161755   | 4.60     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.00% |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 61721    | 4.83     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 96.60% |
| 41) Toluene-d8                 | 7.57   | 98    | 139404   | 4.43     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 88.60% |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 17394    | 4.26     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 85.20% |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 99231    | 40.56    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 81.12% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 43910    | 4.76     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 95.20% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 48253    | 4.91     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 98.20% |

#### Target Compounds

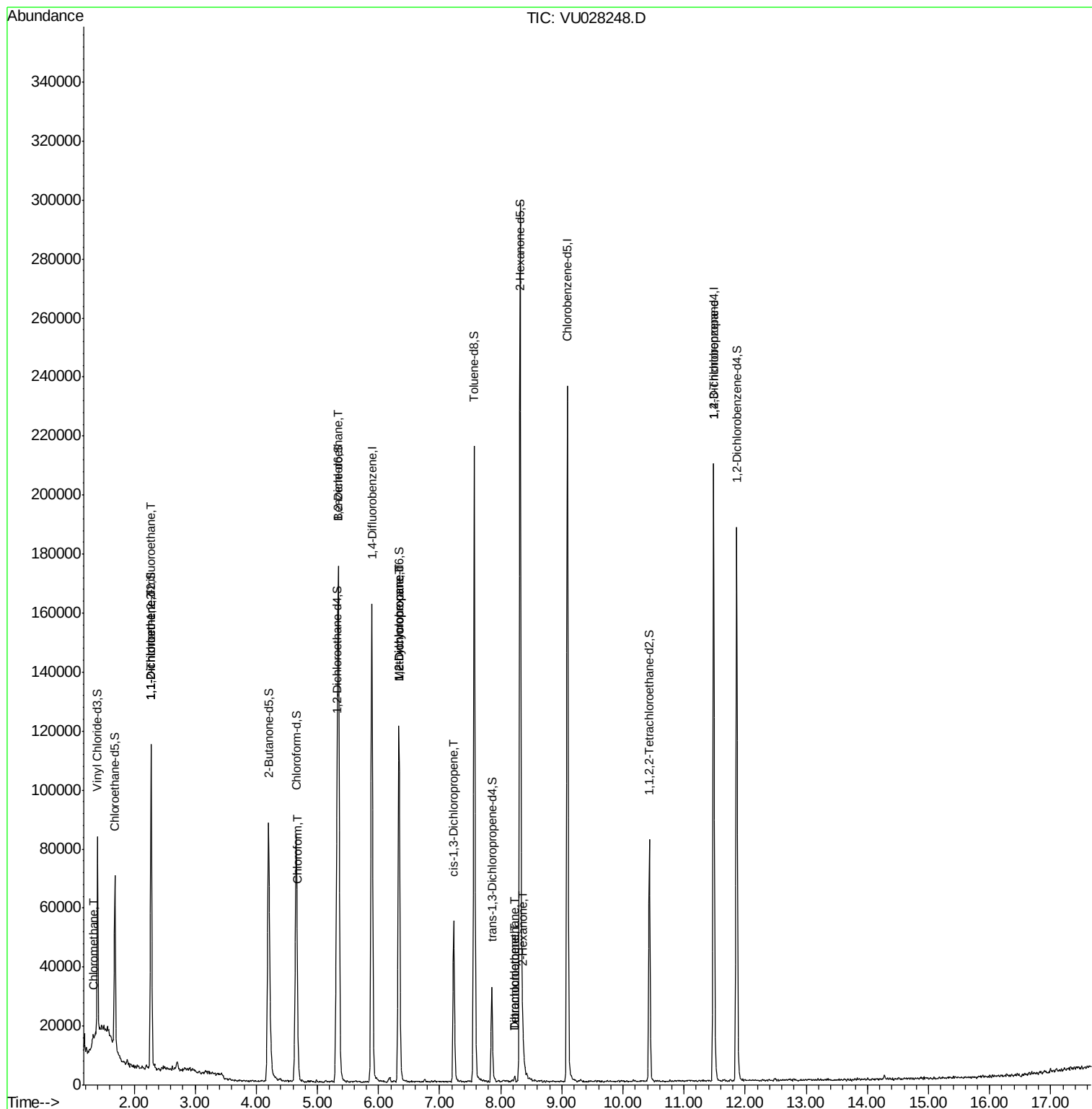
|                                |       |     |       |       |        | Qvalue |
|--------------------------------|-------|-----|-------|-------|--------|--------|
| 3) Chloromethane               | 1.33  | 50  | 1030  | 0.074 | ug/L # | 42     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.28  | 101 | 504   | 0.059 | ug/L # | 21     |
| 12) 1,1-Dichloroethene         | 2.28  | 96  | 548   | 0.068 | ug/L # | 1      |
| 25) Chloroform                 | 4.68  | 83  | 3401  | 0.158 | ug/L   | 98     |
| 27) 1,2-Dichloroethane         | 5.35  | 62  | 795   | 0.065 | ug/L # | 78     |
| 35) Methylcyclohexane          | 6.33  | 83  | 12278 | 0.789 | ug/L # | 14     |
| 37) 1,2-Dichloropropane        | 6.33  | 63  | 5910  | 0.514 | ug/L # | 92     |
| 39) cis-1,3-Dichloropropene    | 7.23  | 75  | 1083  | 0.074 | ug/L # | 63     |
| 47) Tetrachloroethene          | 8.23  | 164 | 559   | 0.082 | ug/L # | 83     |
| 48) 2-Hexanone                 | 8.37  | 43  | 2917  | 0.497 | ug/L # | 76     |
| 49) Dibromochloromethane       | 8.22  | 129 | 317   | 0.045 | ug/L # | 10     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 7925  | 1.192 | ug/L   | 95     |

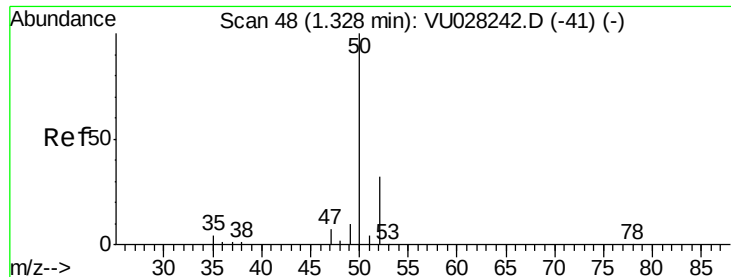
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.074 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028248.D

Acq: 19 Nov 2018 12:29

Instrument :

MSVOA\_U

ClientSampleId :

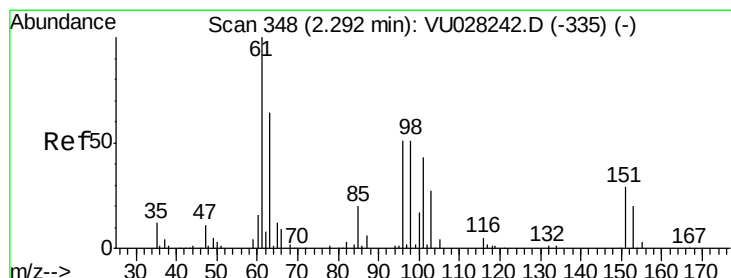
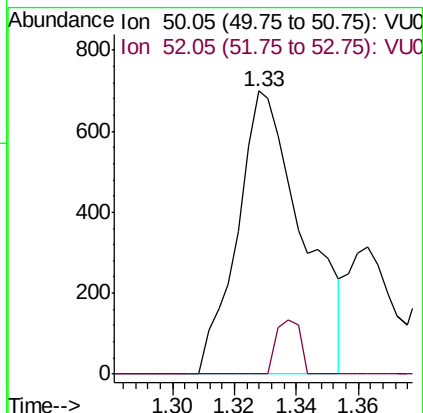
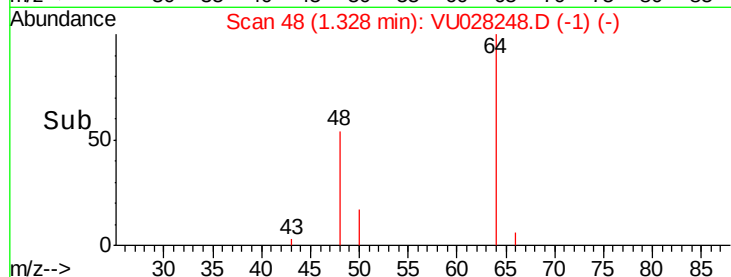
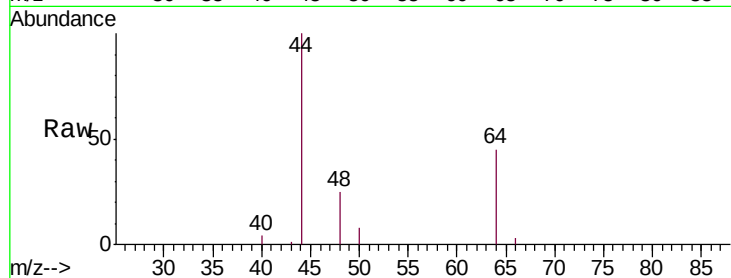
VHBLK02

Tgt Ion: 50 Resp: 1030

Ion Ratio Lower Upper

50 100

52 0.0 22.8 42.4#



#10

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

Concen: 0.059 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU028248.D

Acq: 19 Nov 2018 12:29

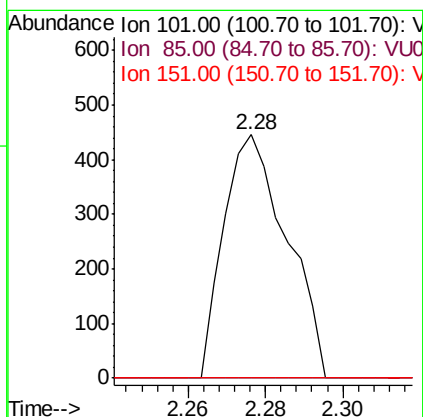
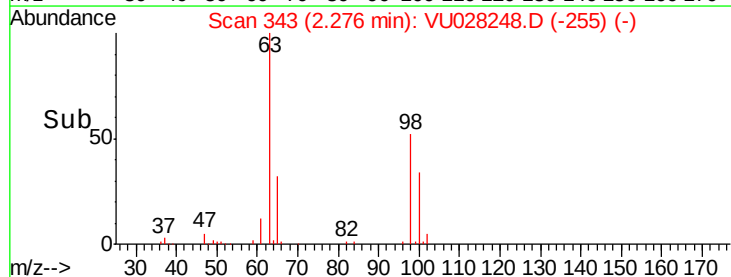
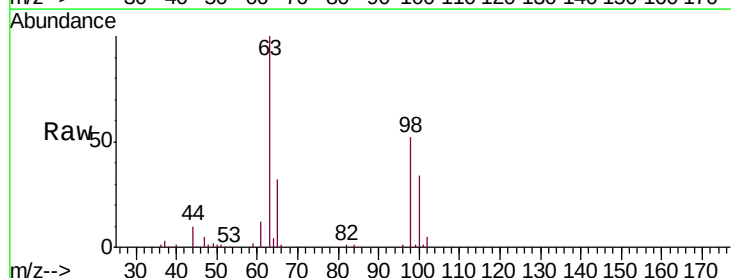
Tgt Ion: 101 Resp: 504

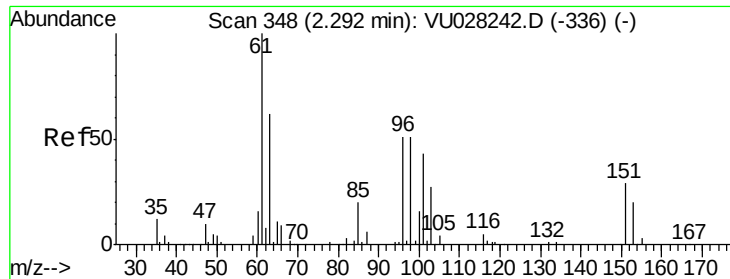
Ion Ratio Lower Upper

101 100

85 0.0 37.4 56.2#

151 0.0 55.0 82.4#





#12

1,1-Dichloroethene

Concen: 0.068 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU028248.D

Acq: 19 Nov 2018 12:29

Instrument :

MSVOA\_U

ClientSampled :

VHBLK02

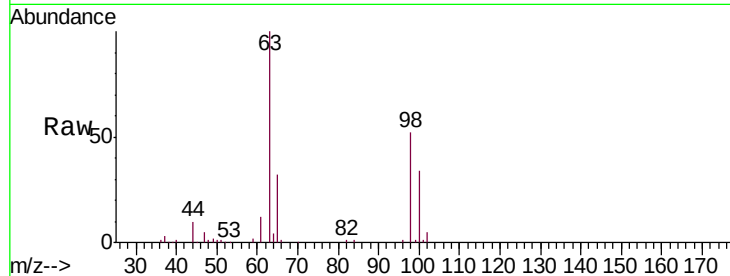
Tgt Ion: 96 Resp: 548

Ion Ratio Lower Upper

96 100

61 1051.0 145.5 270.1#

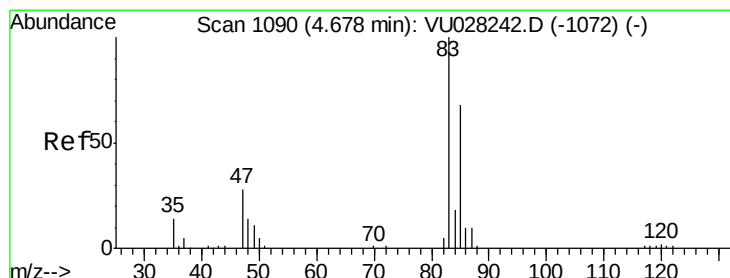
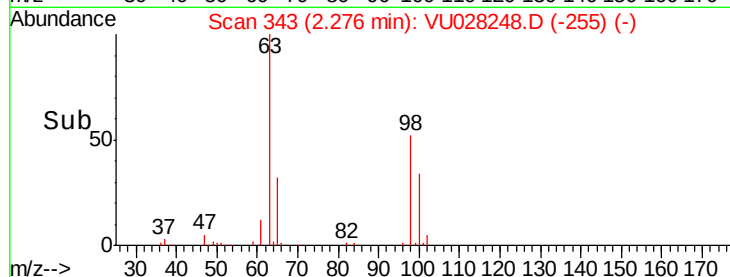
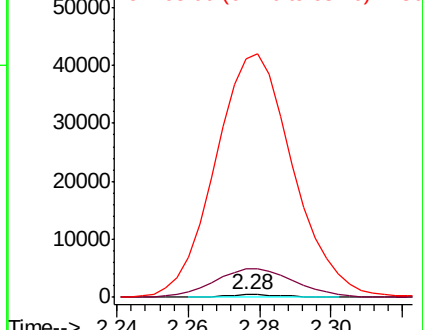
63 8830.8 98.6 183.2#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#25

Chloroform

Concen: 0.158 ug/L

RT: 4.68 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VU028248.D

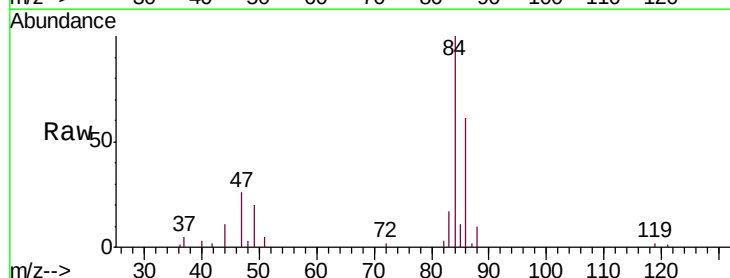
Acq: 19 Nov 2018 12:29

Tgt Ion: 83 Resp: 3401

Ion Ratio Lower Upper

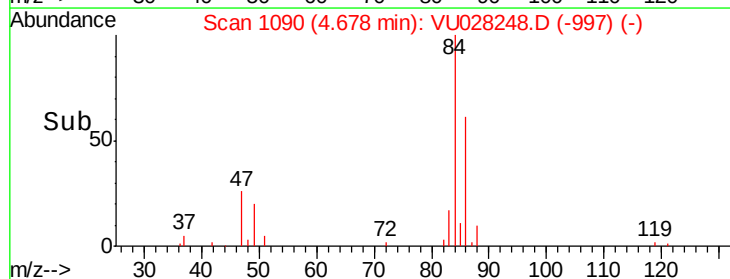
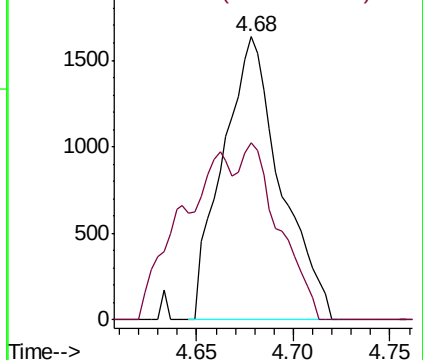
83 100

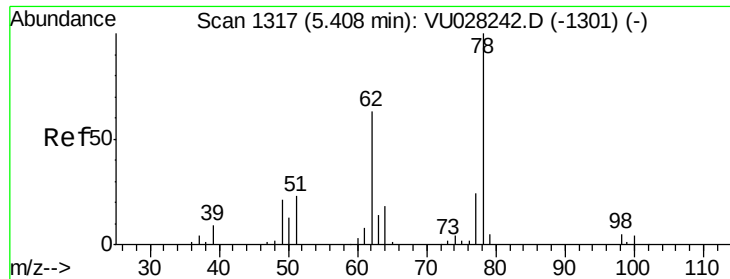
85 62.5 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 0.065 ug/L

RT: 5.35 min Scan# 1298

Delta R.T. -0.06 min

Lab File: VU028248.D

Acq: 19 Nov 2018 12:29

Instrument :

MSVOA\_U

ClientSampleId :

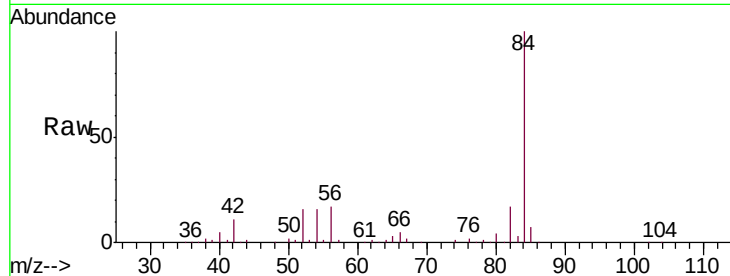
VHBLK02

Tgt Ion: 62 Resp: 795

Ion Ratio Lower Upper

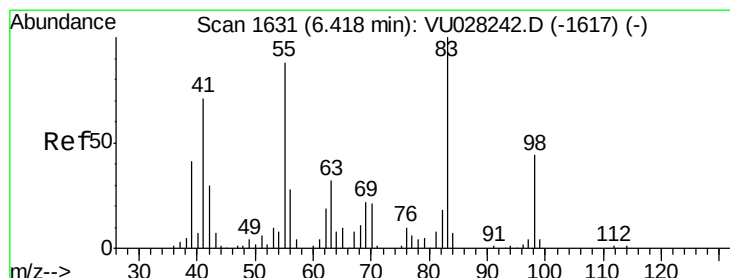
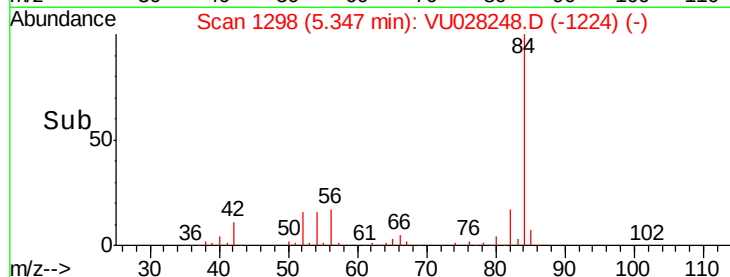
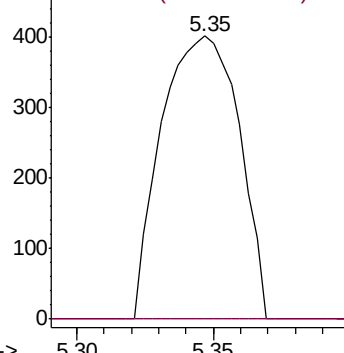
62 100

98 0.0 6.2 9.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



#35

Methylcyclohexane

Concen: 0.789 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU028248.D

Acq: 19 Nov 2018 12:29

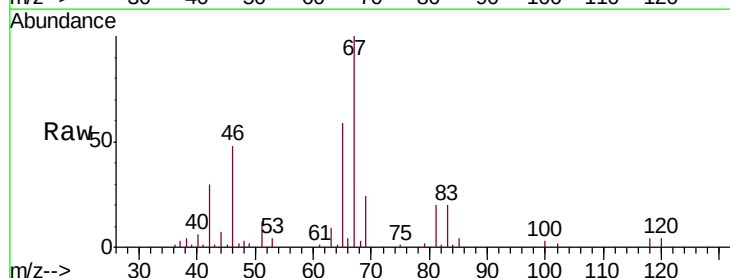
Tgt Ion: 83 Resp: 12278

Ion Ratio Lower Upper

83 100

55 0.0 73.2 109.8#

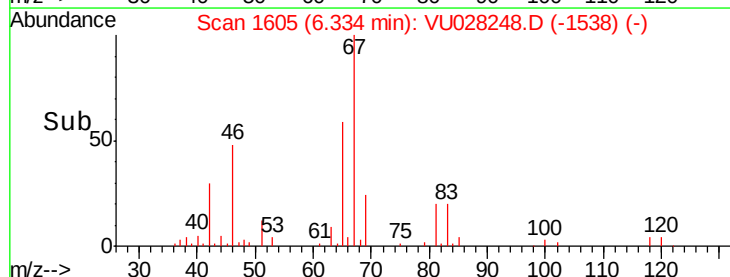
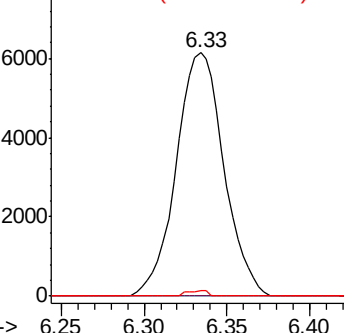
98 1.0 33.4 50.2#

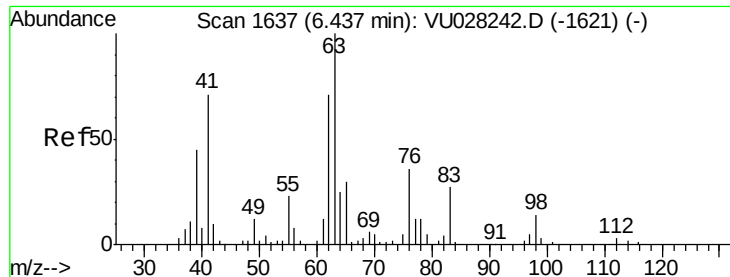


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

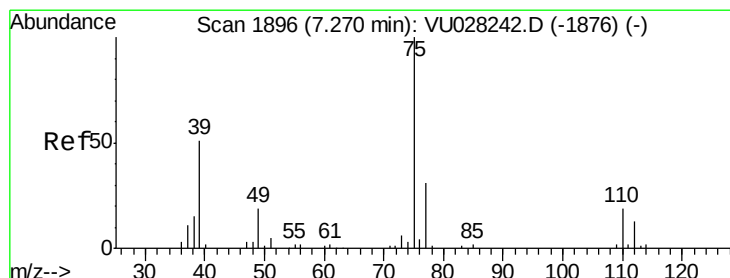
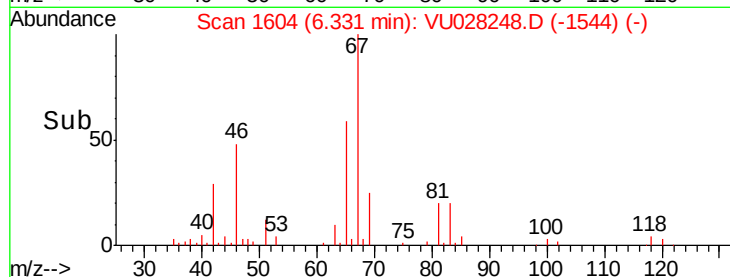
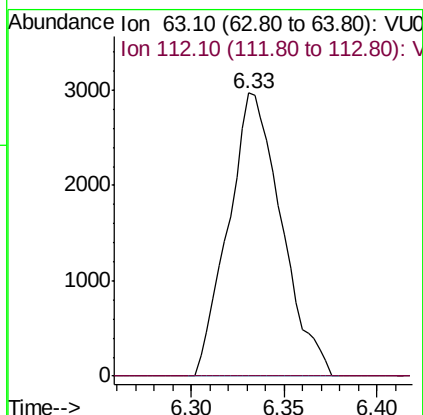
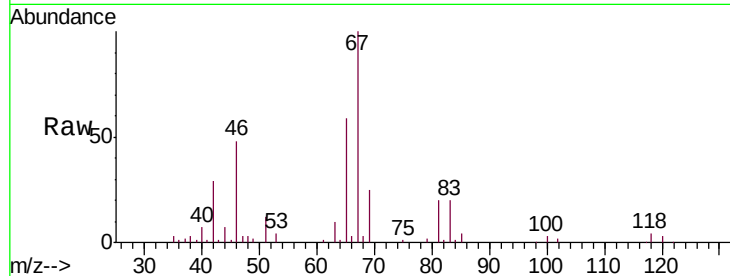




#37  
 1,2-Dichloropropane  
 Concen: 0.514 ug/L  
 RT: 6.33 min Scan# 1604  
 Delta R.T. -0.11 min  
 Lab File: VU028248.D  
 Acq: 19 Nov 2018 12:29

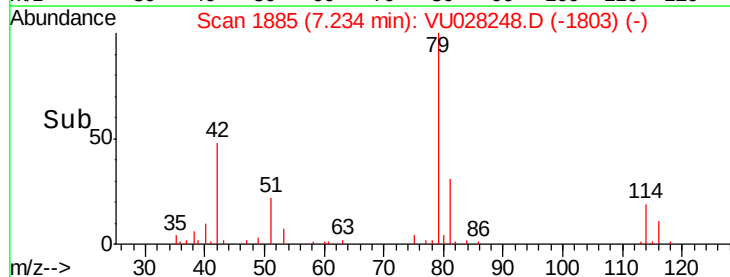
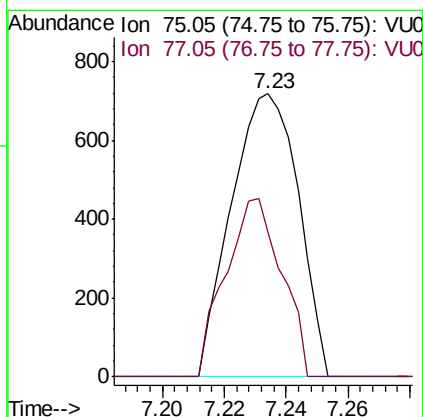
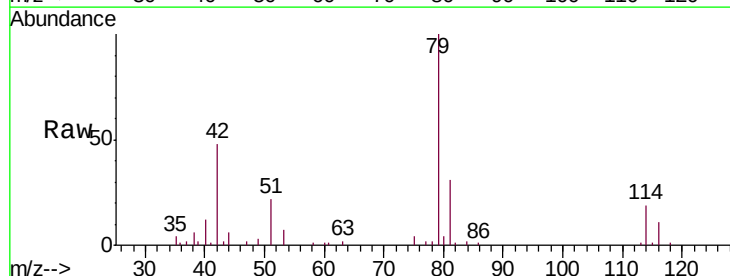
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VHBLK02

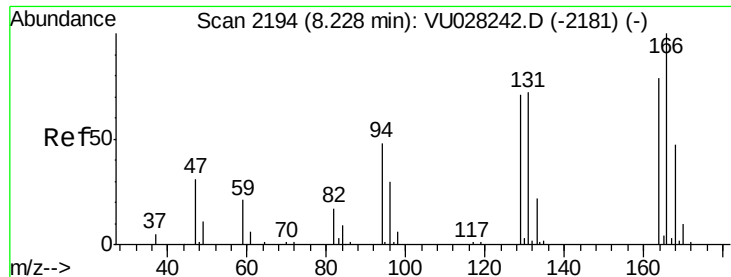
Tgt Ion: 63 Resp: 5910  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 2.2 3.2#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.074 ug/L  
 RT: 7.23 min Scan# 1885  
 Delta R.T. -0.04 min  
 Lab File: VU028248.D  
 Acq: 19 Nov 2018 12:29

Tgt Ion: 75 Resp: 1083  
 Ion Ratio Lower Upper  
 75 100  
 77 51.3 21.7 40.3#

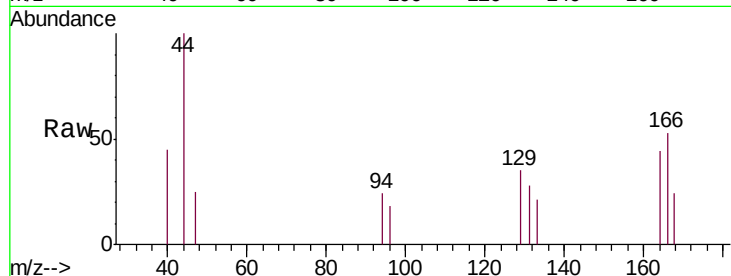




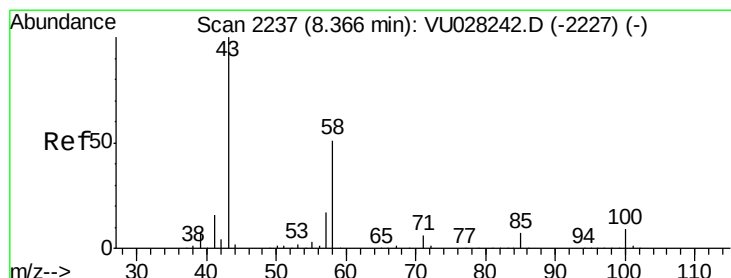
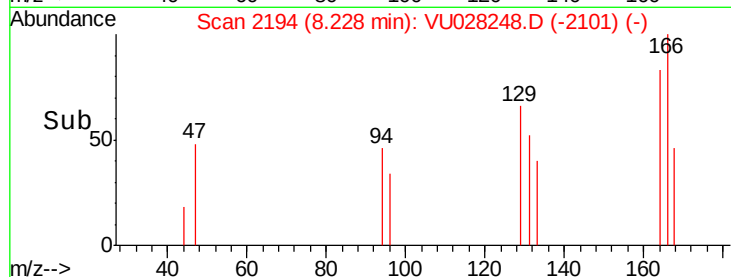
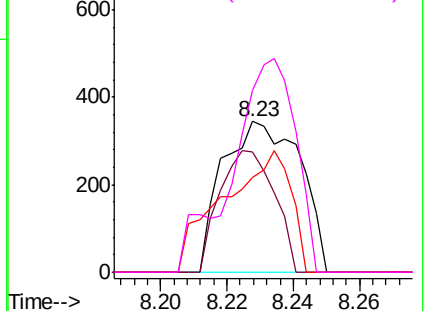
#47  
Tetrachloroethene  
Concen: 0.082 ug/L  
RT: 8.23 min Scan# 2194  
Delta R.T. 0.00 min  
Lab File: VU028248.D  
Acq: 19 Nov 2018 12:29

Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK02

Tgt Ion: 164 Resp: 559  
Ion Ratio Lower Upper  
164 100  
129 79.9 67.6 125.6  
131 63.1 66.3 123.1#  
166 120.9 89.2 165.6

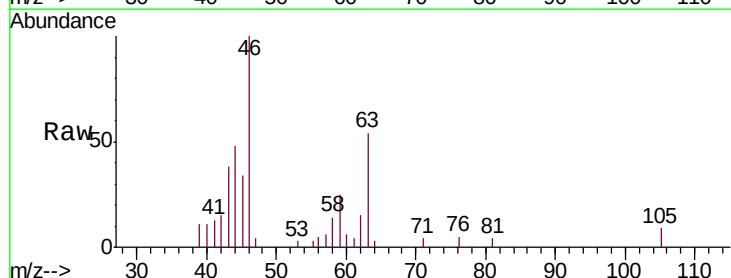


Abundance Ion 163.90 (163.60 to 164.60): V  
Ion 128.95 (128.65 to 129.65): V  
Ion 130.95 (130.65 to 131.65): V  
Ion 165.90 (165.60 to 166.60): V

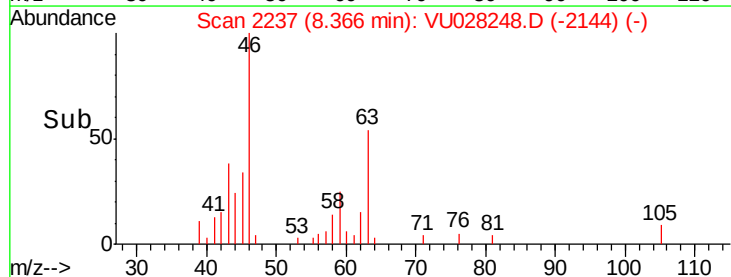
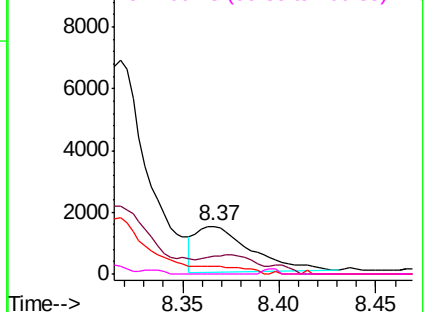


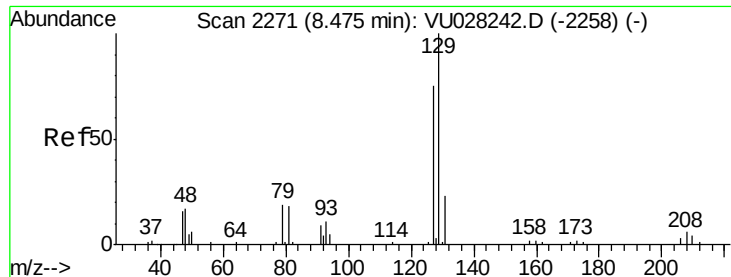
#48  
2-Hexanone  
Concen: 0.497 ug/L  
RT: 8.37 min Scan# 2237  
Delta R.T. 0.00 min  
Lab File: VU028248.D  
Acq: 19 Nov 2018 12:29

Tgt Ion: 43 Resp: 2917  
Ion Ratio Lower Upper  
43 100  
58 36.7 41.1 61.7#  
57 0.0 13.8 20.8#  
100 3.3 6.5 9.7#



Abundance Ion 43.05 (42.75 to 43.75): VU0  
Ion 58.05 (57.75 to 58.75): VU0  
Ion 57.20 (56.90 to 57.90): VU0  
Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 0.045 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.25 min

Lab File: VU028248.D

Acq: 19 Nov 2018 12:29

Instrument :

MSVOA\_U

ClientSampleId :

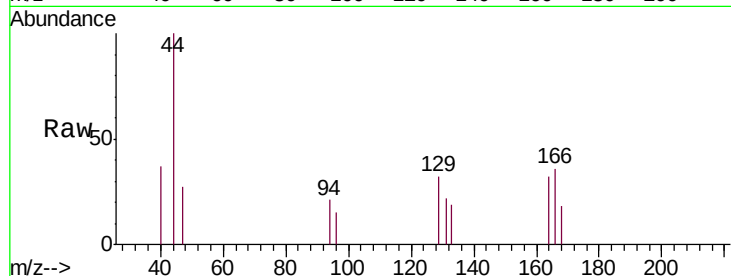
VHBLK02

Tgt Ion: 129 Resp: 317

Ion Ratio Lower Upper

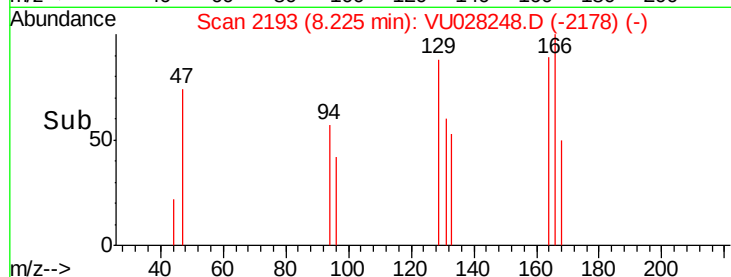
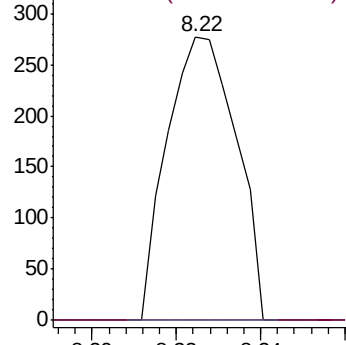
129 100

127 0.0 54.7 101.5#

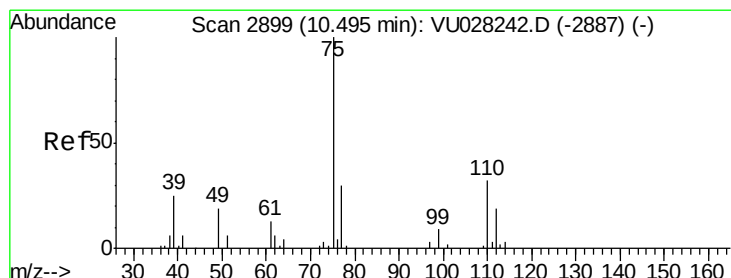


Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



Time-->



#59

1,2,3-Trichloropropane

Concen: 1.192 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028248.D

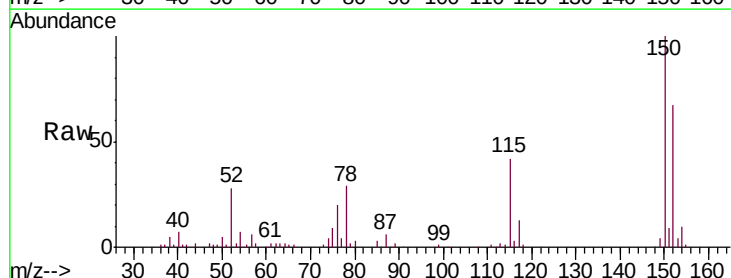
Acq: 19 Nov 2018 12:29

Tgt Ion: 75 Resp: 7925

Ion Ratio Lower Upper

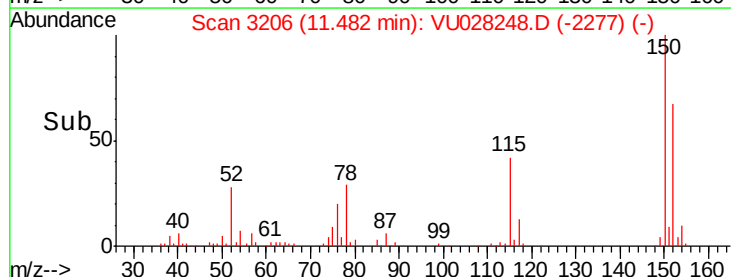
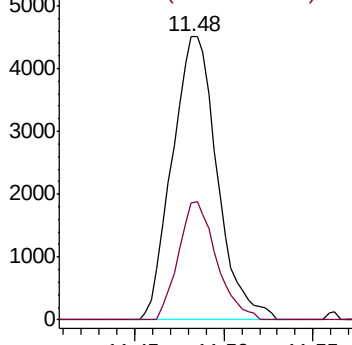
75 100

77 35.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time-->