

Data File : VU028245.D  
Acq On : 19 Nov 2018 11:17  
Operator : MD/SY  
Sample : J5943-20  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK01

Quant Time: Nov 20 07:10:32 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  | 126467   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 119187   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 50878    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 42464    | 4.46     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 89.20% |
| 7) Chloroethane-d5             | 1.68   | 69    | 37149    | 4.52     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 90.40% |
| 11) 1,1-Dichloroethene-d2      | 2.28   | 63    | 62607    | 3.31     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 66.20% |
| 20) 2-Butanone-d5              | 4.20   | 46    | 135666   | 42.60    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 85.20% |
| 24) Chloroform-d               | 4.65   | 84    | 77623    | 4.37     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.40% |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 43073    | 4.39     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.80% |
| 32) Benzene-d6                 | 5.34   | 84    | 155391   | 4.53     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.60% |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 58053    | 4.66     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 93.20% |
| 41) Toluene-d8                 | 7.57   | 98    | 137065   | 4.46     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.20% |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 18216    | 4.58     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 91.60% |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 93532    | 39.19    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 78.38% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 42021    | 4.67     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 93.40% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 45723    | 4.83     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 96.60% |

#### Target Compounds

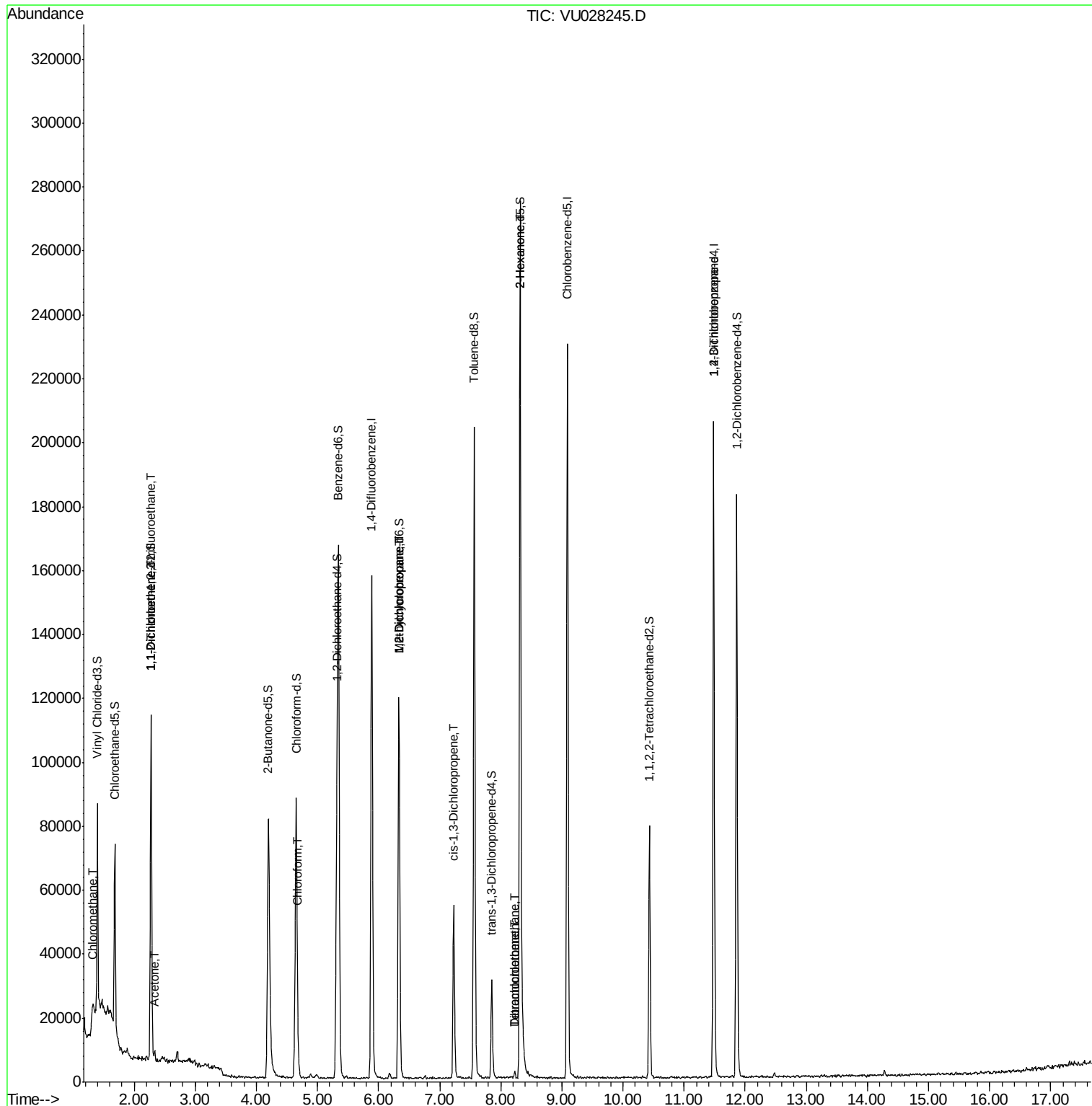
|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 3) Chloromethane               | 1.33  | 50  | 1318  | 0.098 ug/L   | 98     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.28  | 101 | 506   | 0.062 ug/L # | 21     |
| 12) 1,1-Dichloroethene         | 2.28  | 96  | 471   | 0.060 ug/L # | 1      |
| 13) Acetone                    | 2.33  | 43  | 1314  | 0.600 ug/L   | 80     |
| 25) Chloroform                 | 4.68  | 83  | 5379  | 0.258 ug/L   | 98     |
| 35) Methylcyclohexane          | 6.33  | 83  | 11745 | 0.774 ug/L # | 14     |
| 37) 1,2-Dichloropropane        | 6.33  | 63  | 5635  | 0.502 ug/L # | 93     |
| 39) cis-1,3-Dichloropropene    | 7.23  | 75  | 1123  | 0.079 ug/L # | 17     |
| 47) Tetrachloroethene          | 8.23  | 164 | 535   | 0.080 ug/L # | 70     |
| 48) 2-Hexanone                 | 8.32  | 43  | 11885 | 2.078 ug/L # | 75     |
| 49) Dibromochloromethane       | 8.23  | 129 | 335   | 0.049 ug/L # | 10     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 7285  | 1.124 ug/L   | 98     |

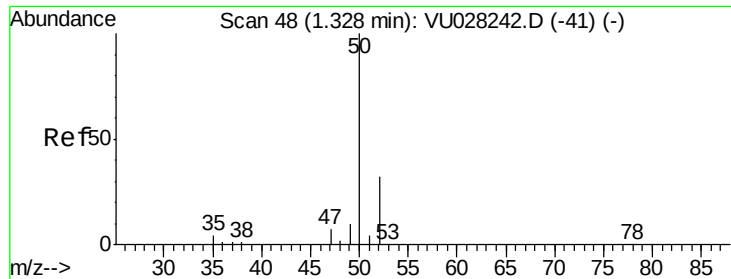
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Nov 20 07:07:24 2018  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.098 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028245.D

Acq: 19 Nov 2018 11:17

Instrument :

MSVOA\_U

ClientSampleId :

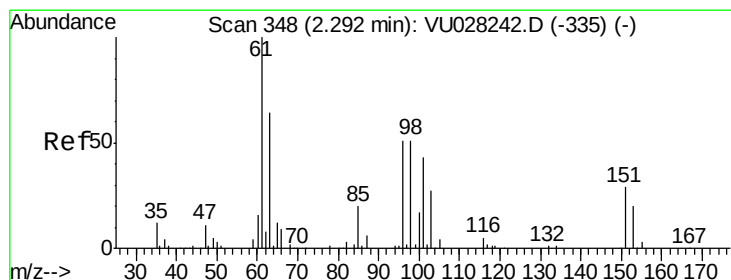
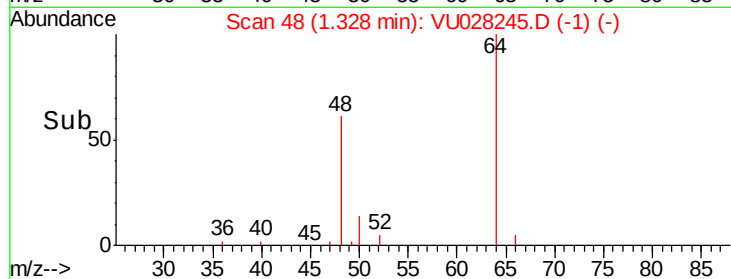
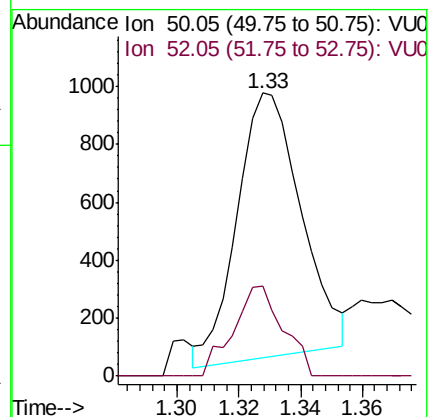
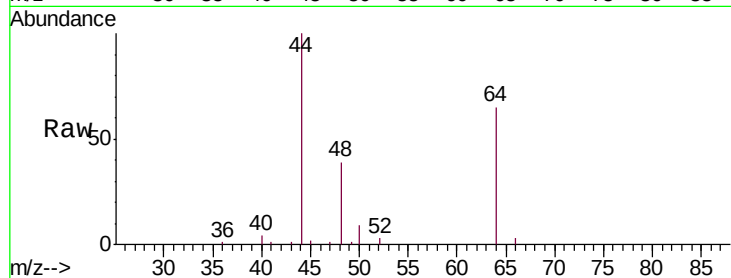
VHBLK01

Tgt Ion: 50 Resp: 1318

Ion Ratio Lower Upper

50 100

52 31.7 22.8 42.4



#10

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

Concen: 0.062 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028245.D

Acq: 19 Nov 2018 11:17

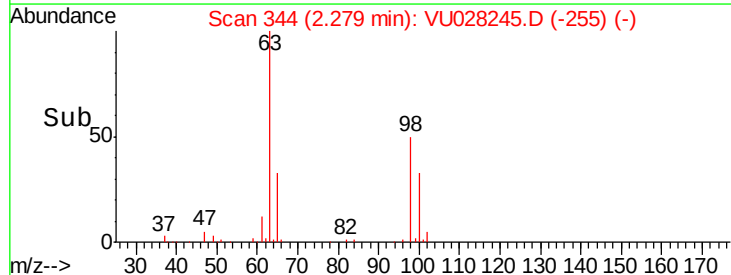
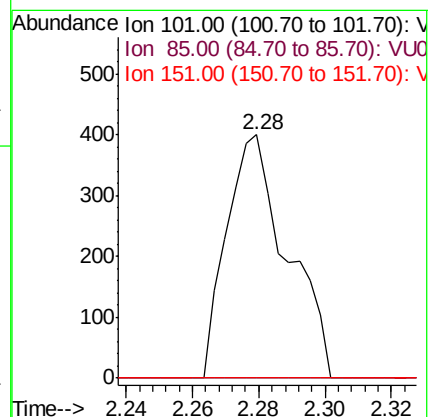
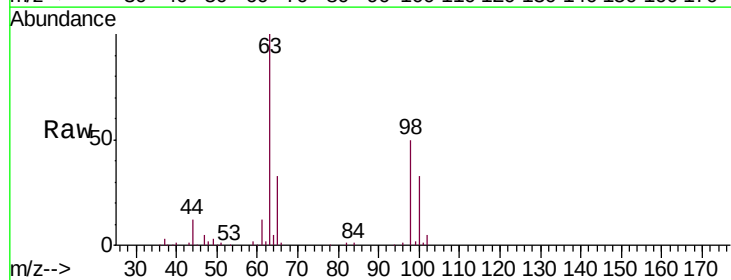
Tgt Ion: 101 Resp: 506

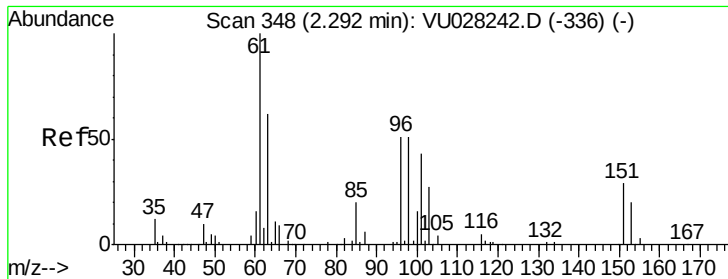
Ion Ratio Lower Upper

101 100

85 0.0 37.4 56.2#

151 0.0 55.0 82.4#

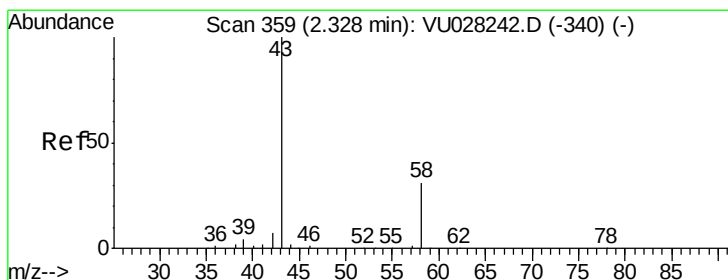
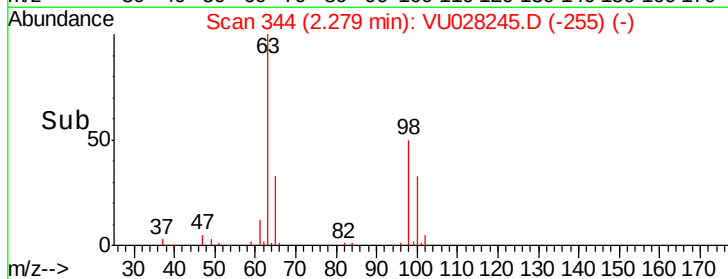
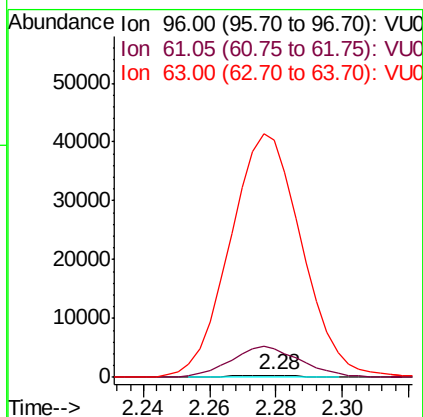
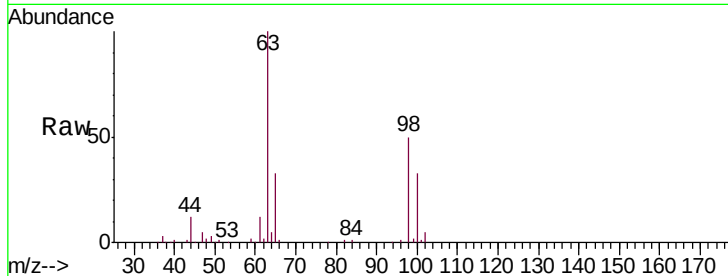




#12  
 1,1-Dichloroethene  
 Concen: 0.060 ug/L  
 RT: 2.28 min Scan# 344  
 Delta R.T. -0.01 min  
 Lab File: VU028245.D  
 Acq: 19 Nov 2018 11:17

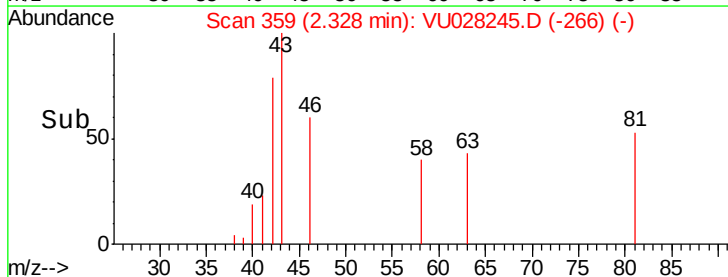
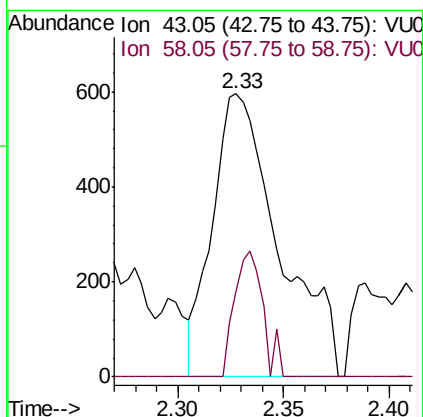
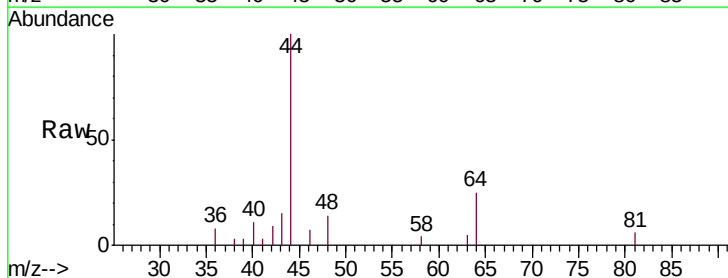
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VHBLK01

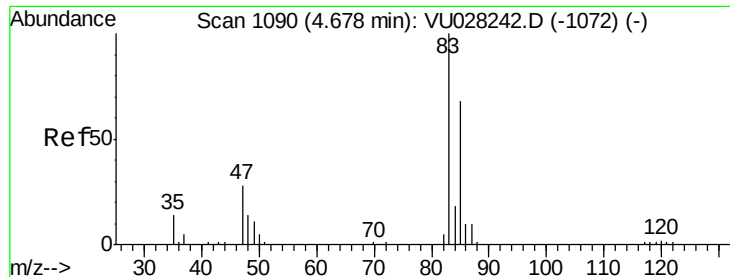
Tgt Ion: 96 Resp: 471  
 Ion Ratio Lower Upper  
 96 100  
 61 1437.9 145.5 270.1#  
 63 11830.6 98.6 183.2#



#13  
 Acetone  
 Concen: 0.600 ug/L  
 RT: 2.33 min Scan# 359  
 Delta R.T. -0.00 min  
 Lab File: VU028245.D  
 Acq: 19 Nov 2018 11:17

Tgt Ion: 43 Resp: 1314  
 Ion Ratio Lower Upper  
 43 100  
 58 18.8 0.0 58.6

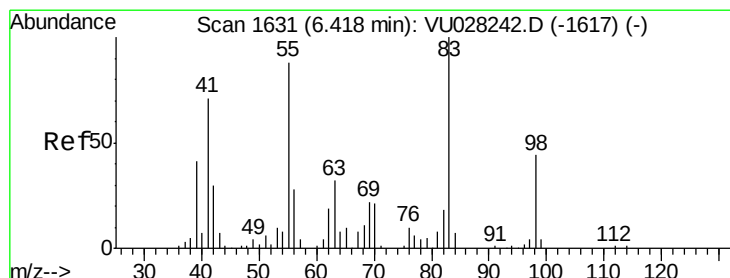
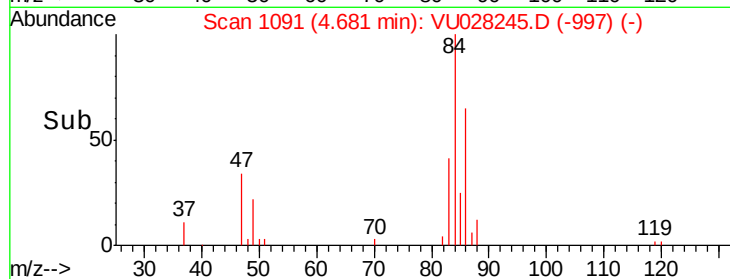
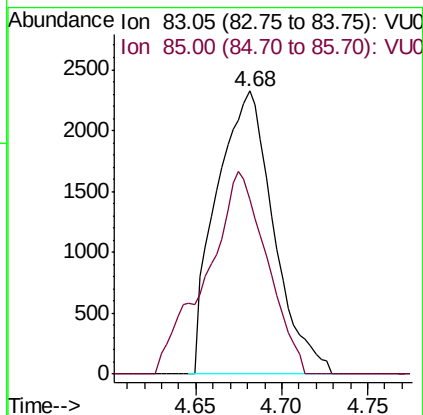
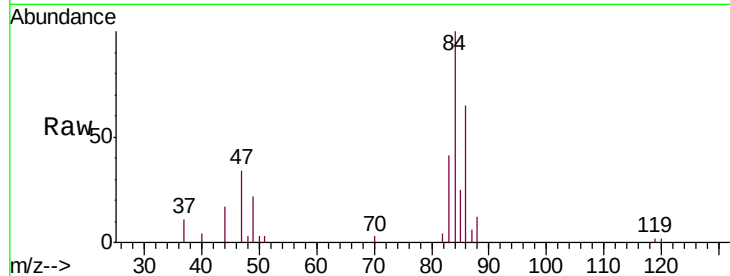




#25  
Chloroform  
Concen: 0.258 ug/L  
RT: 4.68 min Scan# 1091  
Delta R.T. 0.00 min  
Lab File: VU028245.D  
Acq: 19 Nov 2018 11:17

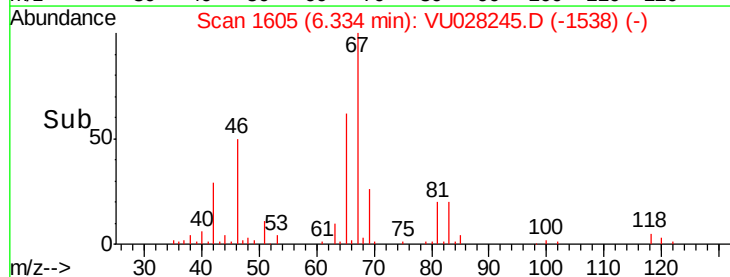
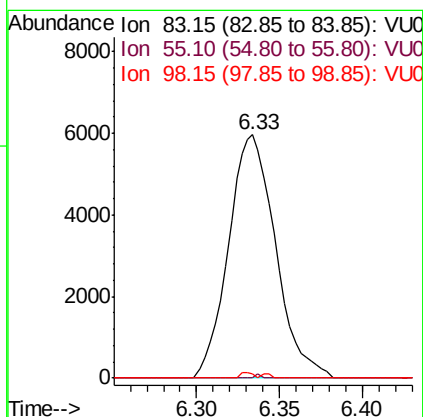
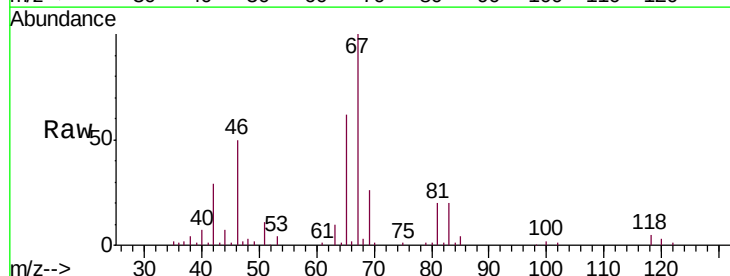
Instrument :  
MSVOA\_U  
ClientSampled :  
VHBLK01

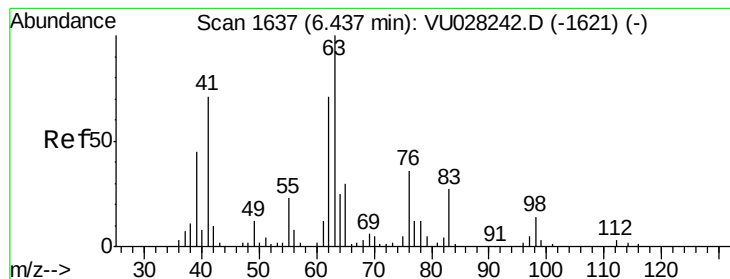
Tgt Ion: 83 Resp: 5379  
Ion Ratio Lower Upper  
83 100  
85 61.8 44.6 82.8



#35  
Methylcyclohexane  
Concen: 0.774 ug/L  
RT: 6.33 min Scan# 1605  
Delta R.T. -0.08 min  
Lab File: VU028245.D  
Acq: 19 Nov 2018 11:17

Tgt Ion: 83 Resp: 11745  
Ion Ratio Lower Upper  
83 100  
55 0.2 73.2 109.8#  
98 0.6 33.4 50.2#





#37

1,2-Dichloropropane

Concen: 0.502 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU028245.D

Acq: 19 Nov 2018 11:17

Instrument :

MSVOA\_U

ClientSampleId :

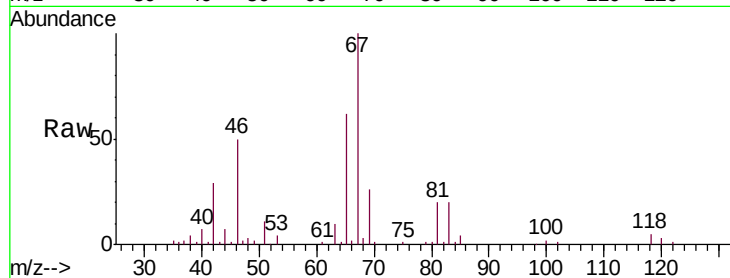
VHBLK01

Tgt Ion: 63 Resp: 5635

Ion Ratio Lower Upper

63 100

112 0.4 2.2 3.2#



Abundance Ion 63.10 (62.80 to 63.80): VU028242.D (-1621) (-)

Ion 112.10 (111.80 to 112.80): VU028242.D (-1621) (-)

6.33

3000

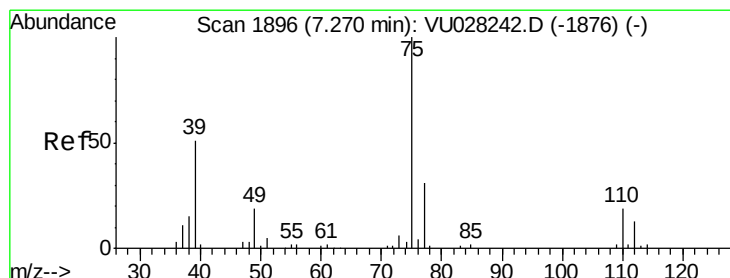
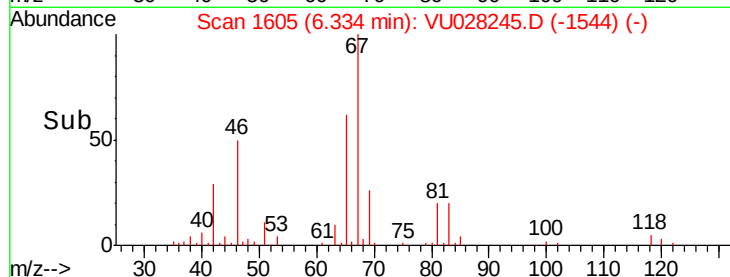
2000

1000

0

6.30 6.35 6.40

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.079 ug/L

RT: 7.23 min Scan# 1883

Delta R.T. -0.04 min

Lab File: VU028245.D

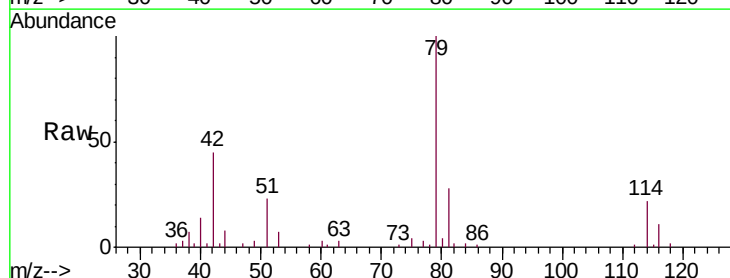
Acq: 19 Nov 2018 11:17

Tgt Ion: 75 Resp: 1123

Ion Ratio Lower Upper

75 100

77 76.7 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VU028242.D (-1876) (-)

Ion 77.05 (76.75 to 77.75): VU028242.D (-1876) (-)

7.23

600

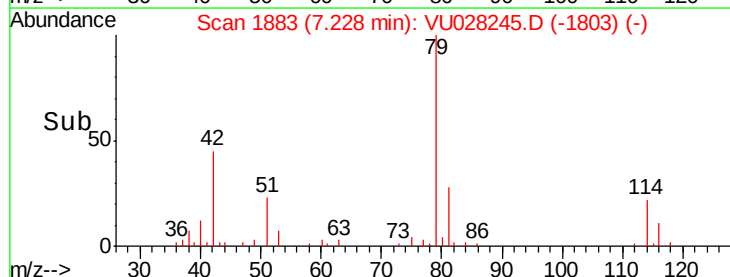
400

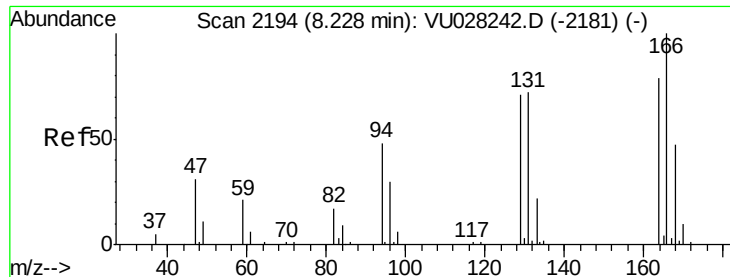
200

0

7.20 7.25

Time-->

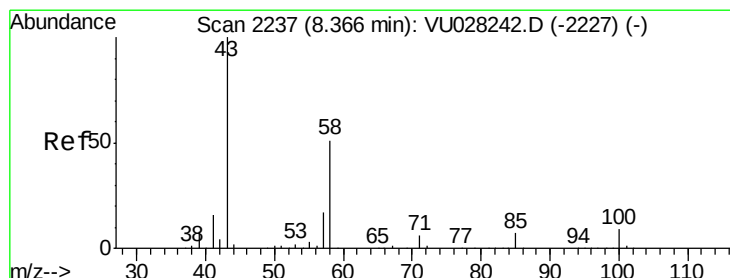
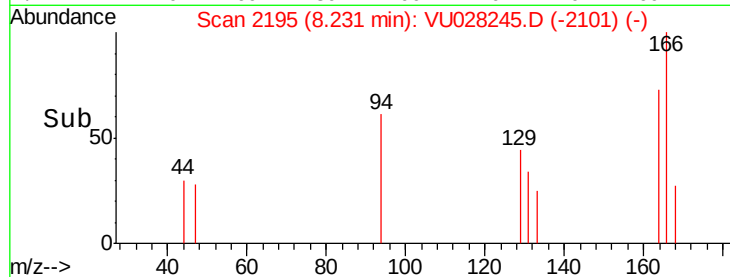
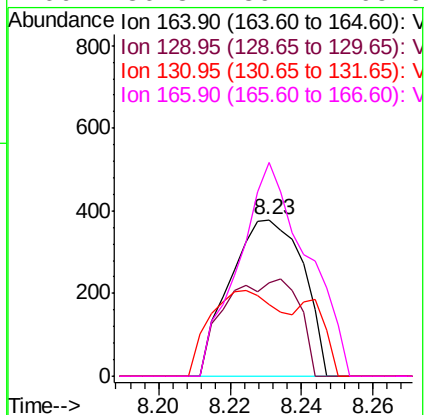
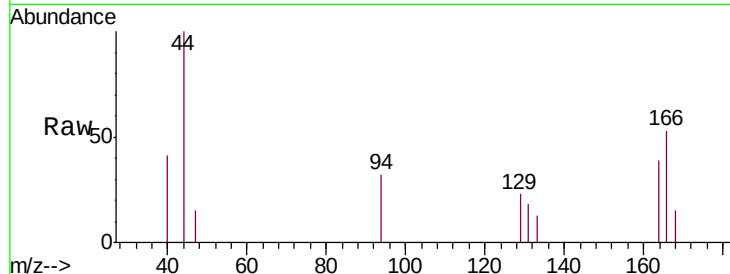




#47  
Tetrachloroethene  
Concen: 0.080 ug/L  
RT: 8.23 min Scan# 2195  
Delta R.T. 0.00 min  
Lab File: VU028245.D  
Acq: 19 Nov 2018 11:17

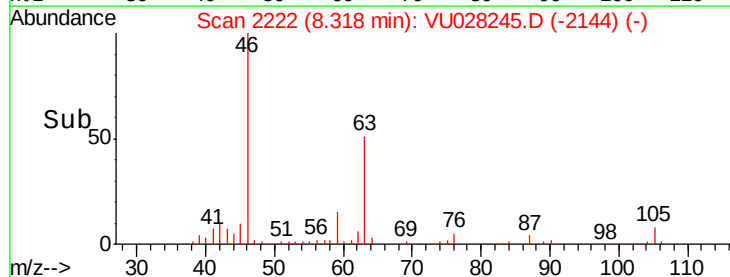
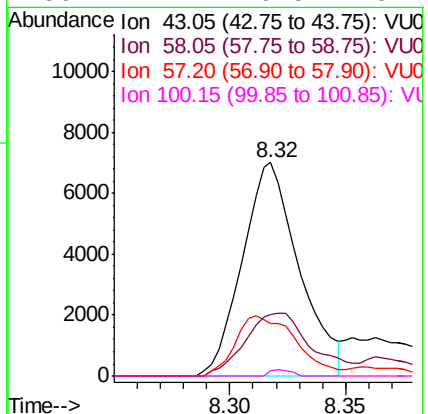
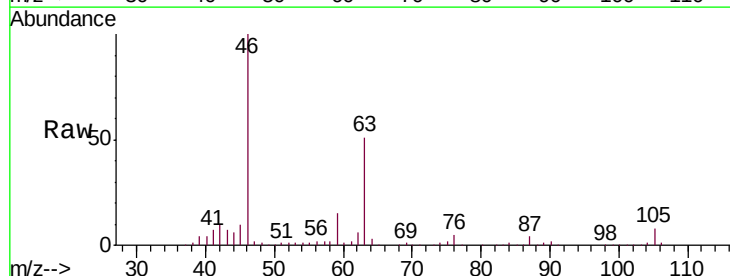
Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK01

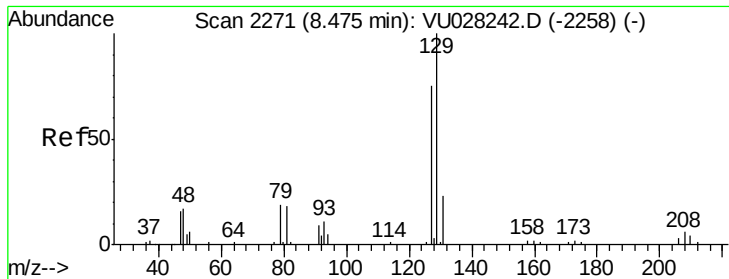
Tgt Ion:164 Resp: 535  
Ion Ratio Lower Upper  
164 100  
129 59.5 67.6 125.6#  
131 46.0 66.3 123.1#  
166 136.8 89.2 165.6



#48  
2-Hexanone  
Concen: 2.078 ug/L  
RT: 8.32 min Scan# 2222  
Delta R.T. -0.05 min  
Lab File: VU028245.D  
Acq: 19 Nov 2018 11:17

Tgt Ion: 43 Resp: 11885  
Ion Ratio Lower Upper  
43 100  
58 34.4 41.1 61.7#  
57 30.7 13.8 20.8#  
100 1.1 6.5 9.7#





#49

Dibromochloromethane

Concen: 0.049 ug/L

RT: 8.23 min Scan# 2196

Delta R.T. -0.24 min

Lab File: VU028245.D

Acq: 19 Nov 2018 11:17

Instrument :

MSVOA\_U

ClientSampleId :

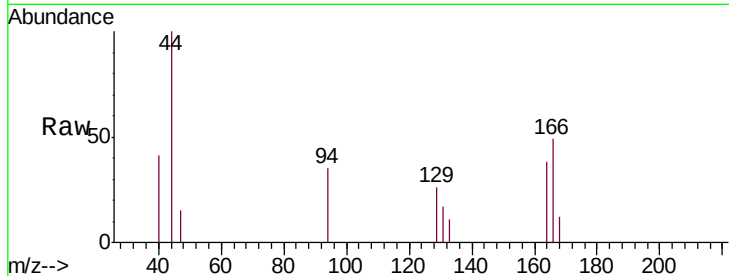
VHBLK01

Tgt Ion:129 Resp: 335

Ion Ratio Lower Upper

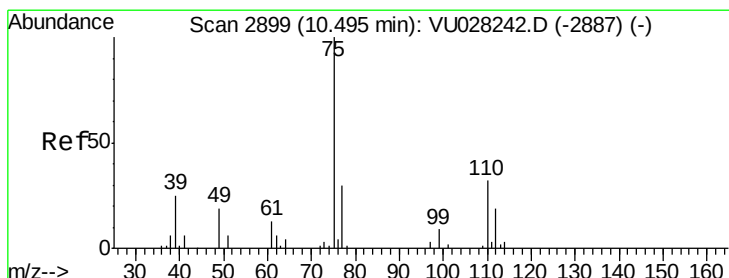
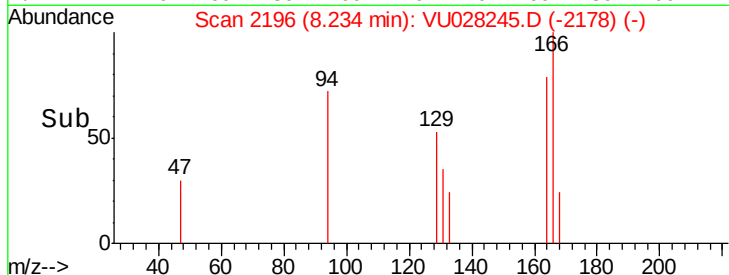
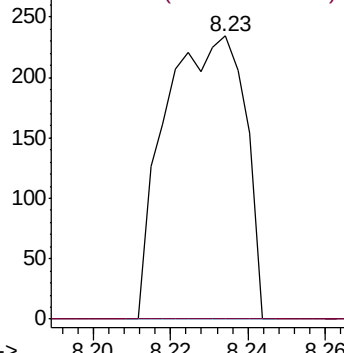
129 100

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



#59

1,2,3-Trichloropropane

Concen: 1.124 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028245.D

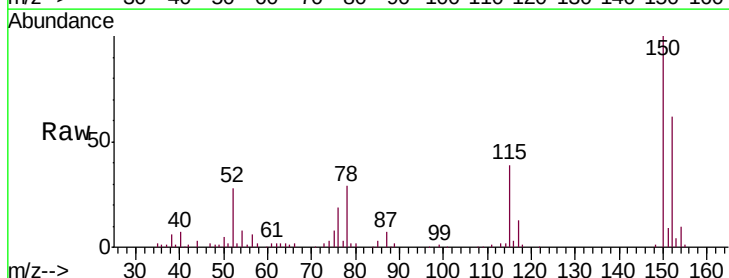
Acq: 19 Nov 2018 11:17

Tgt Ion: 75 Resp: 7285

Ion Ratio Lower Upper

75 100

77 33.2 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

