

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121319\  
 Data File : VU036207.D  
 Acq On : 13 Dec 2019 19:39  
 Operator : JC/MD  
 Sample : K6168-08  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VHBLK01

Quant Time: Dec 14 01:22:31 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR121319WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Dec 14 01:19:01 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 236198   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 260507   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 93413    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.62   | 65    | 97124    | 4.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 93.40%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 94757    | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 101.60% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 103340   | 3.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 68.80%  |
| 20) 2-Butanone-d5              | 4.68   | 46    | 187521   | 48.12    | ug/L | -0.01   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 96.24%  |
| 24) Chloroform-d               | 5.11   | 84    | 130870   | 3.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 78.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 88862    | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.20% |
| 32) Benzene-d6                 | 5.77   | 84    | 310147   | 4.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.73   | 67    | 100570   | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 97.60%  |
| 41) Toluene-d8                 | 7.93   | 98    | 254559   | 4.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 82.60%  |
| 43) trans-1,3-Dichloropropene- | 8.21   | 79    | 37953    | 4.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 89.40%  |
| 46) 2-Hexanone-d5              | 8.68   | 63    | 155343   | 47.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 95.70%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78  | 84    | 92367    | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 98.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 92150    | 5.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 103.00% |

## Target Compounds

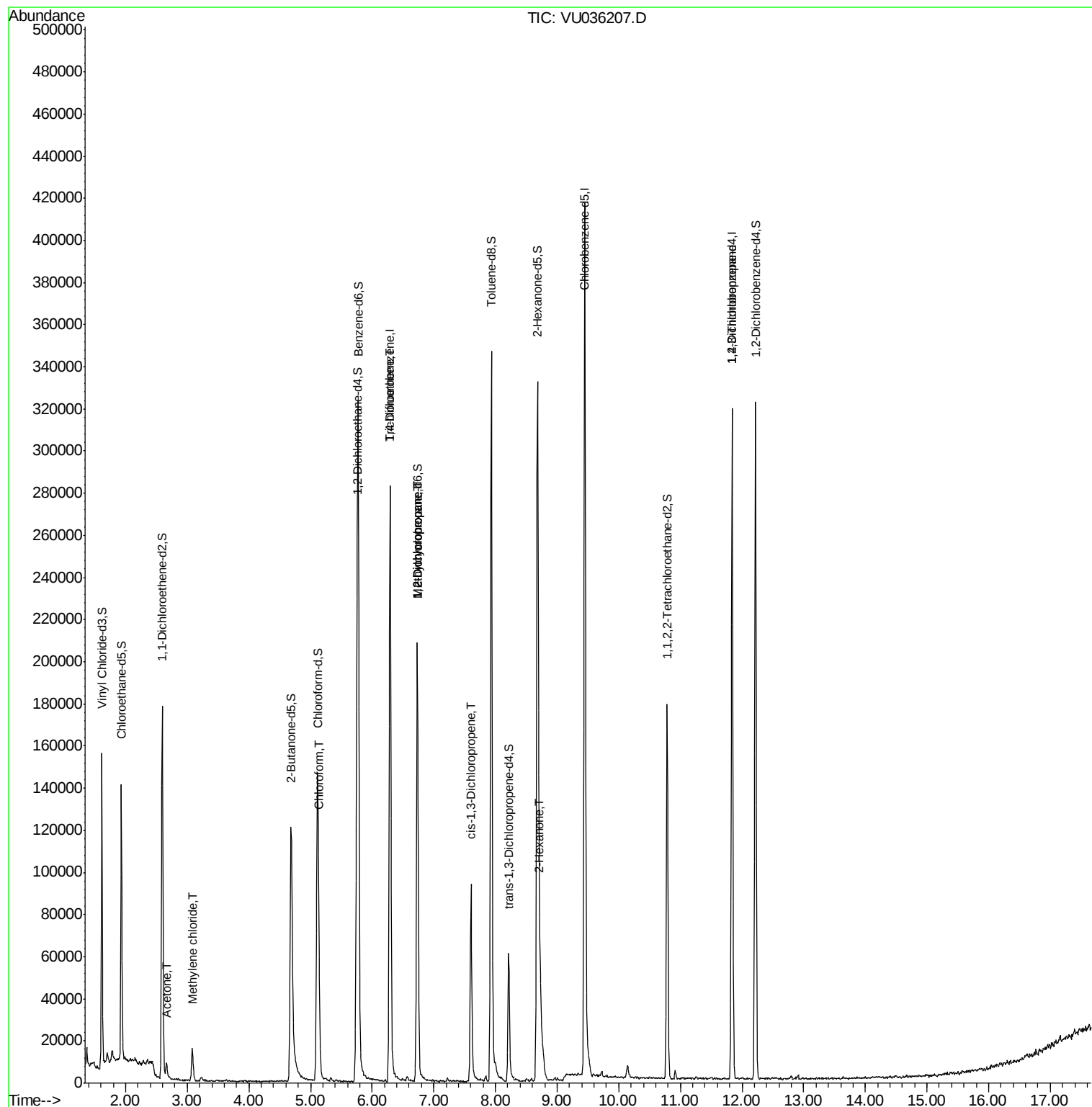
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 2.66  | 43 | 7939  | 2.338 ug/L   | 99     |
| 16) Methylene chloride      | 3.08  | 84 | 8033  | 0.312 ug/L   | 94     |
| 25) Chloroform              | 5.14  | 83 | 32896 | 0.898 ug/L   | 100    |
| 34) Trichloroethene         | 6.29  | 95 | 3923  | 0.190 ug/L # | 5      |
| 35) Methylcyclohexane       | 6.73  | 83 | 24551 | 0.837 ug/L # | 19     |
| 37) 1,2-Dichloropropane     | 6.73  | 63 | 10335 | 0.506 ug/L # | 86     |
| 39) cis-1,3-Dichloropropene | 7.61  | 75 | 2672  | 0.096 ug/L # | 66     |
| 48) 2-Hexanone              | 8.73  | 43 | 9852  | 1.236 ug/L # | 70     |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75 | 10922 | 0.805 ug/L   | 96     |

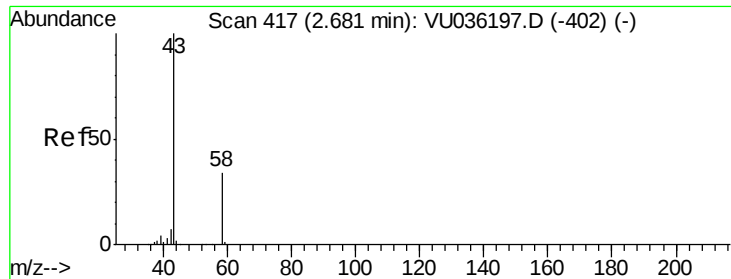
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Dec 14 01:19:01 2019  
Response via : Initial Calibration

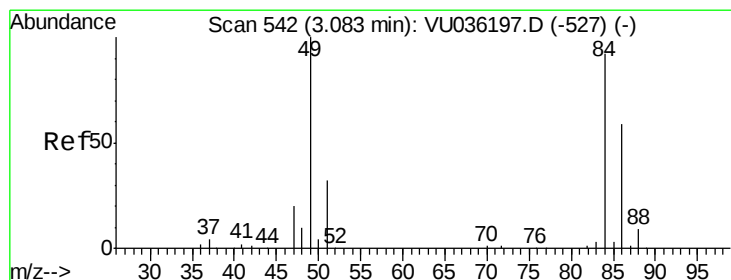
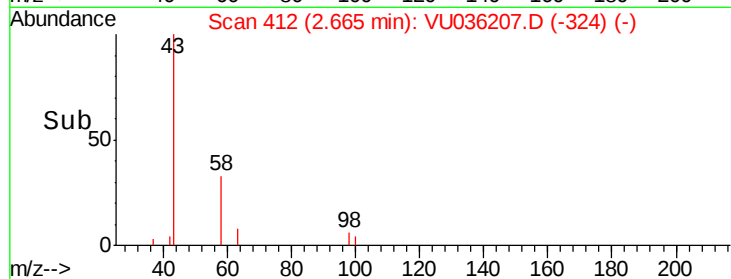
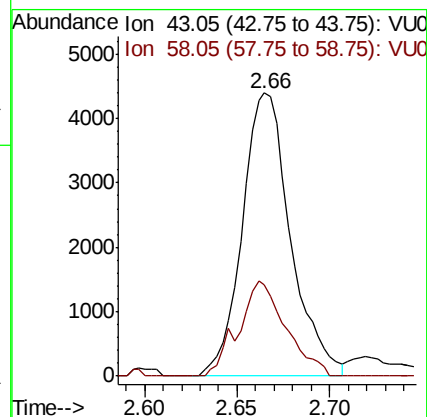
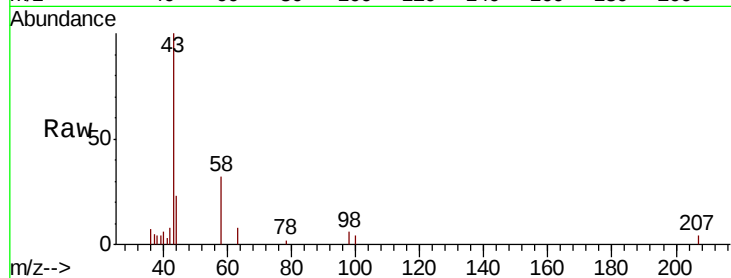




#13  
Acetone  
Concen: 2.338 ug/L  
RT: 2.66 min Scan# 412  
Delta R.T. -0.02 min  
Lab File: VU036207.D  
Acq: 13 Dec 2019 19:39

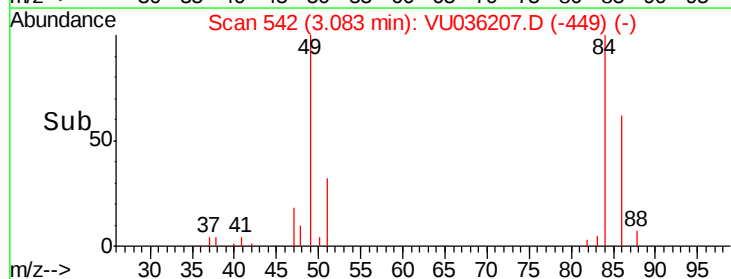
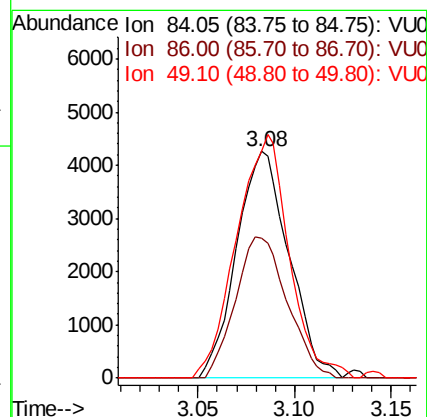
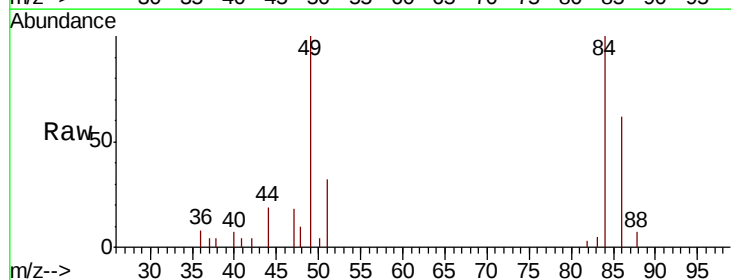
Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK01

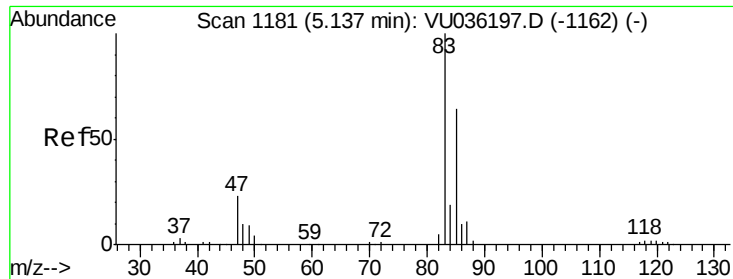
Tot Ion: 43 Resp: 7939  
Ion Ratio Lower Upper  
43 100  
58 33.0 0.0 67.6



#16  
Methylene chloride  
Concen: 0.312 ug/L  
RT: 3.08 min Scan# 542  
Delta R.T. -0.00 min  
Lab File: VU036207.D  
Acq: 13 Dec 2019 19:39

Tgt Ion: 84 Resp: 8033  
Ion Ratio Lower Upper  
84 100  
86 61.9 43.0 79.8  
49 100.2 77.3 143.5

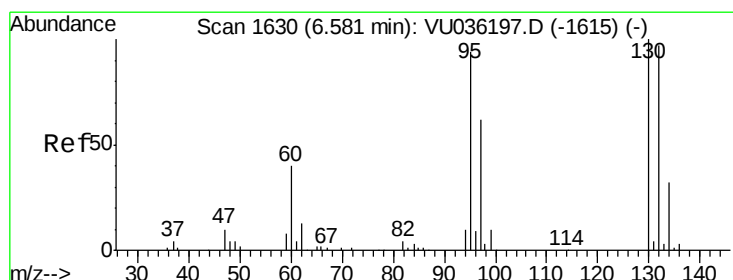
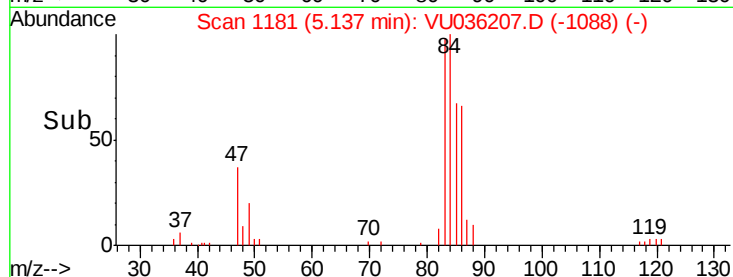
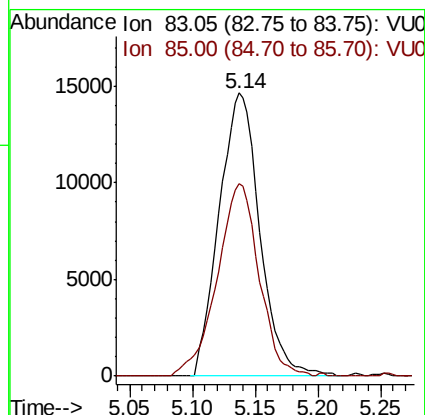
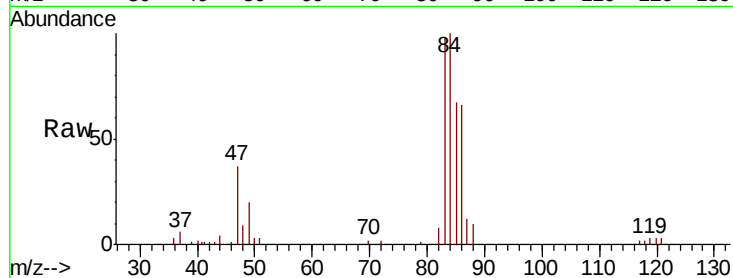




#25  
Chloroform  
Concen: 0.898 ug/L  
RT: 5.14 min Scan# 1181  
Delta R.T. -0.00 min  
Lab File: VU036207.D  
Acq: 13 Dec 2019 19:39

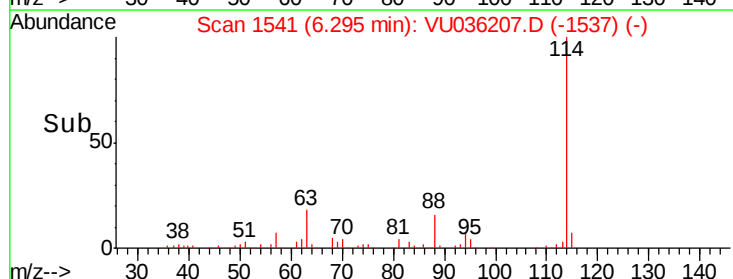
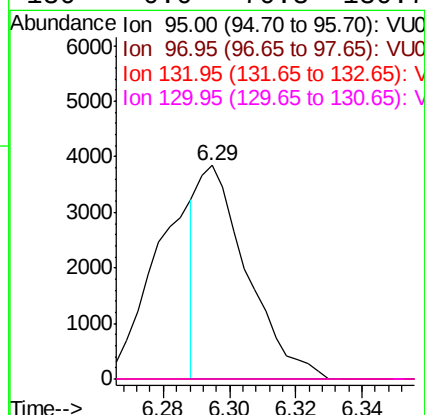
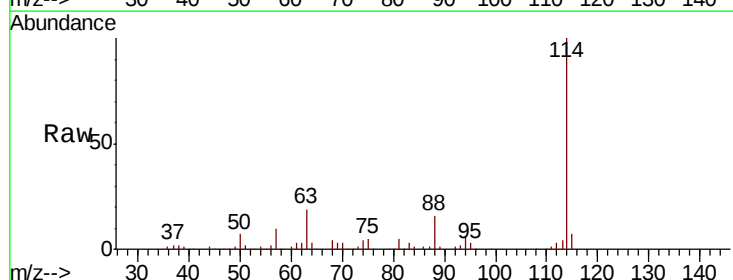
Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK01

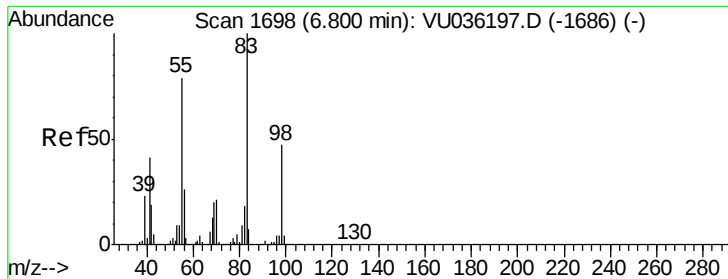
Tot Ion: 83 Resp: 32896  
Ion Ratio Lower Upper  
83 100  
85 68.0 47.5 88.1



#34  
Trichloroethene  
Concen: 0.190 ug/L  
RT: 6.29 min Scan# 1541  
Delta R.T. -0.29 min  
Lab File: VU036207.D  
Acq: 13 Dec 2019 19:39

Tgt Ion: 95 Resp: 3923  
Ion Ratio Lower Upper  
95 100  
97 0.0 43.6 81.0#  
132 0.0 69.6 129.2#  
130 0.0 70.3 130.7#





#35

Methvlcvclohexane

Concen: 0.837 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU036207.D

Acq: 13 Dec 2019 19:39

Instrument :

MSVOA\_U

ClientSampleId :

VHBLK01

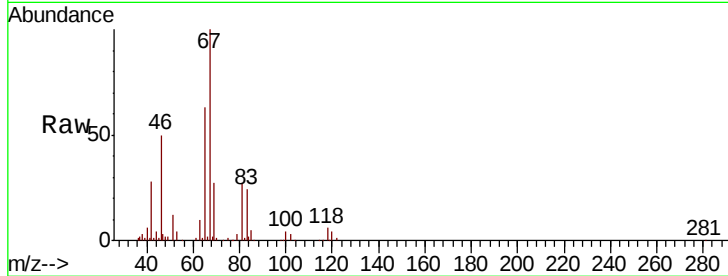
Tot Ion: 83 Resp: 24551

Ion Ratio Lower Upper

83 100

55 0.3 62.6 94.0#

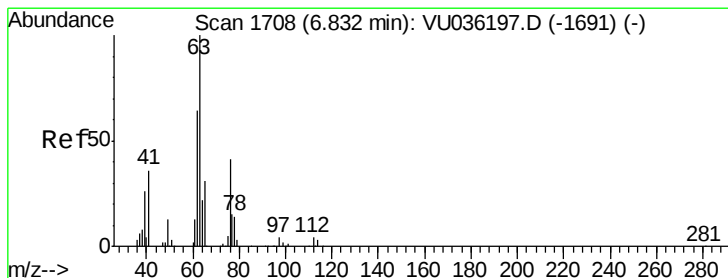
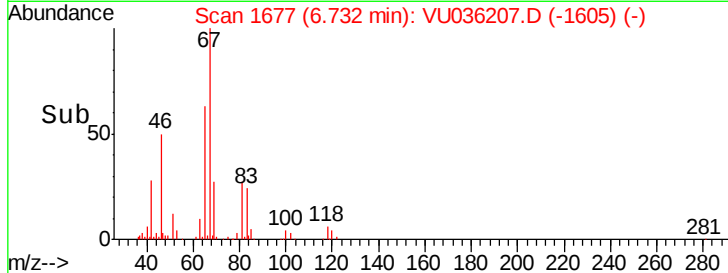
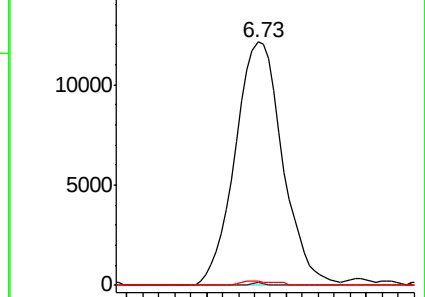
98 0.9 36.2 54.2#



Abundance Ion 83.15 (82.85 to 83.85): VU036207.D (-1677) (-)

Ion 55.10 (54.80 to 55.80): VU036207.D (-1677) (-)

Ion 98.15 (97.85 to 98.85): VU036207.D (-1677) (-)



#37

1,2-Dichloropropane

Concen: 0.506 ug/L

RT: 6.73 min Scan# 1676

Delta R.T. -0.10 min

Lab File: VU036207.D

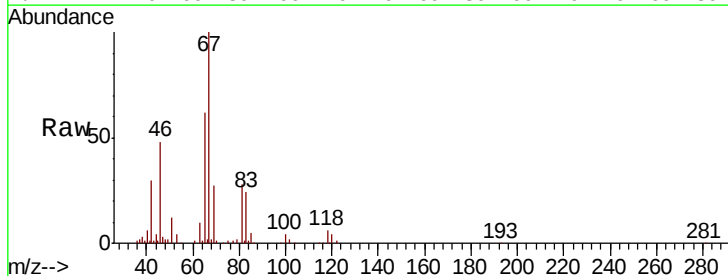
Acq: 13 Dec 2019 19:39

Tgt Ion: 63 Resp: 10335

Ion Ratio Lower Upper

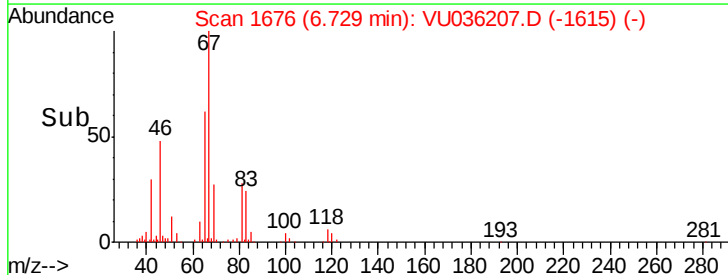
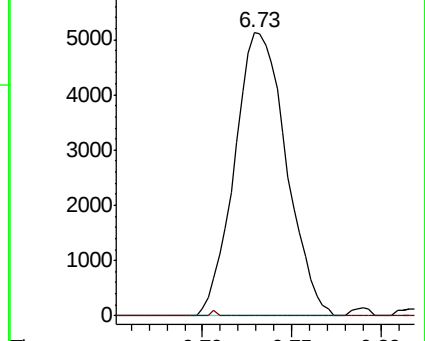
63 100

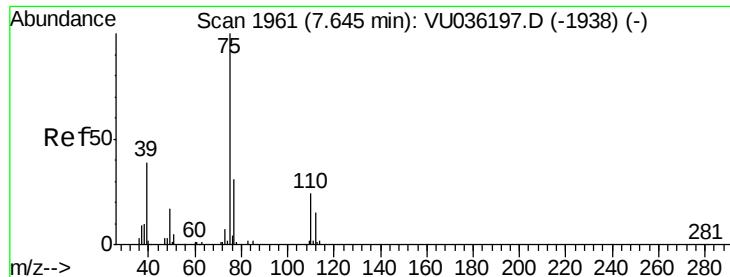
112 0.2 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VU036207.D (-1676) (-)

Ion 112.10 (111.80 to 112.80): VU036207.D (-1676) (-)





#39

cis-1,3-Dichloropropene

Concen: 0.096 ug/L

RT: 7.61 min Scan# 1949

Delta R.T. -0.04 min

Lab File: VU036207.D

Acq: 13 Dec 2019 19:39

Instrument :

MSVOA\_U

ClientSampleId :

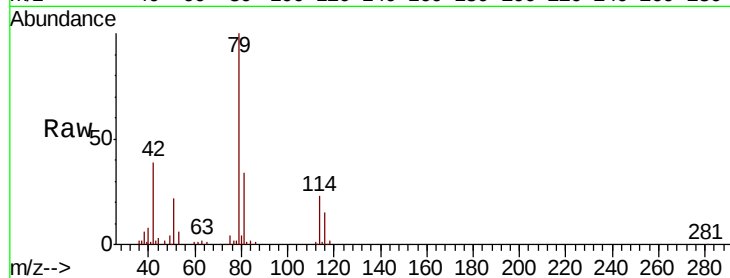
VHBLK01

Tot Ion: 75 Resp: 2672

Ion Ratio Lower Upper

75 100

77 51.5 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU036197.D (-1938) (-)

Ion 77.05 (76.75 to 77.75): VU036197.D (-1938) (-)

7.61

1500

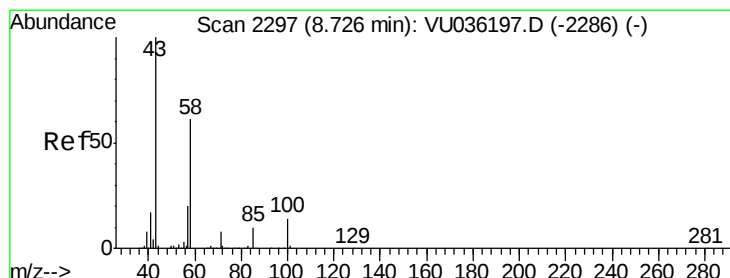
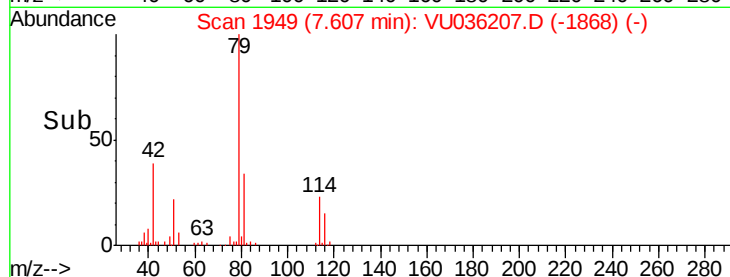
1000

500

0

7.55 7.60 7.65

Time-->



#48

2-Hexanone

Concen: 1.236 ug/L

RT: 8.73 min Scan# 2297

Delta R.T. -0.00 min

Lab File: VU036207.D

Acq: 13 Dec 2019 19:39

Tgt Ion: 43 Resp: 9852

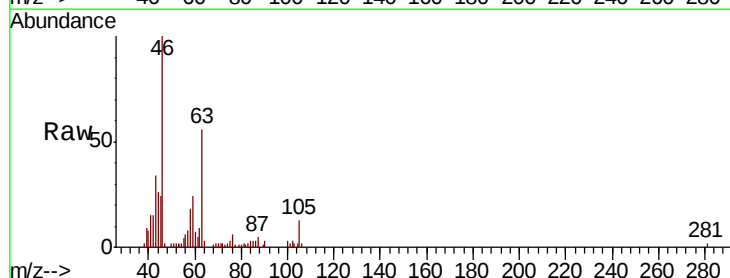
Ion Ratio Lower Upper

43 100

58 36.2 46.2 69.2#

57 0.0 16.2 24.4#

100 7.8 10.2 15.4#



Abundance Ion 43.05 (42.75 to 43.75): VU036197.D (-2286) (-)

Ion 58.05 (57.75 to 58.75): VU036197.D (-2286) (-)

Ion 57.20 (56.90 to 57.90): VU036197.D (-2286) (-)

Ion 100.15 (99.85 to 100.85): VU036197.D (-2286) (-)

8.73

12000

10000

8000

6000

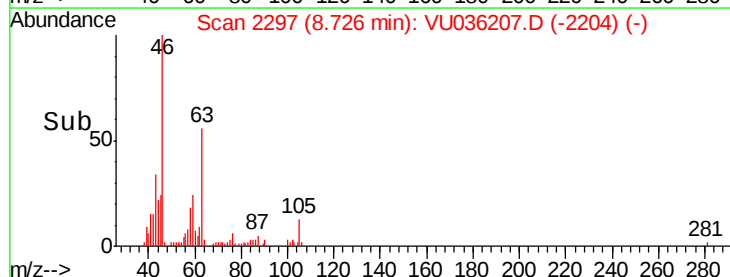
4000

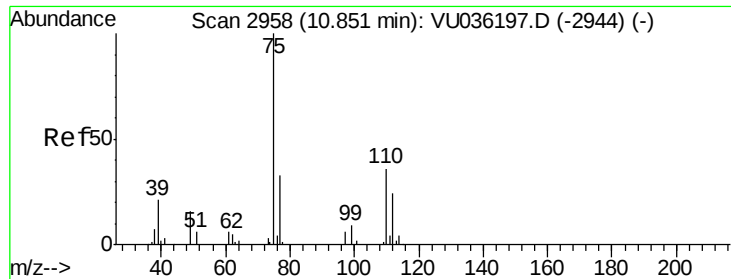
2000

0

8.70 8.75 8.80 8.85

Time-->





#59

1,2,3-Trichloropropane

Concen: 0.805 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.98 min

Lab File: VU036207.D

Acq: 13 Dec 2019 19:39

Instrument :

MSVOA\_U

ClientSampleId :

VHBLK01

Tot Ion: 75 Resp: 10922

Ion Ratio Lower Upper

75 100

77 36.2 27.2 40.8

