

Data File : VU036166.D  
Acq On : 12 Dec 2019 22:24  
Operator : JC/MD  
Sample : K6273-09  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFDQ6

Quant Time: Dec 13 02:47:11 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR121219WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Dec 13 02:41:23 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 260794   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 295628   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 104930   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.62   | 65    | 120502   | 4.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 91.20%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 117026   | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 100.80% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 133552   | 3.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 76.60%  |
| 20) 2-Butanone-d5              | 4.68   | 46    | 238545   | 56.18    | ug/L | -0.01   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 112.36% |
| 24) Chloroform-d               | 5.11   | 84    | 161799   | 4.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 84.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 105681   | 5.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 108.60% |
| 32) Benzene-d6                 | 5.77   | 84    | 368660   | 4.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.73   | 67    | 122160   | 4.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 99.40%  |
| 41) Toluene-d8                 | 7.93   | 98    | 296628   | 4.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 81.20%  |
| 43) trans-1,3-Dichloropropene- | 8.21   | 79    | 43638    | 4.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 85.00%  |
| 46) 2-Hexanone-d5              | 8.68   | 63    | 191278   | 50.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 101.24% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78  | 84    | 115167   | 5.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 105.00% |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 108783   | 5.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 109.20% |

#### Target Compounds

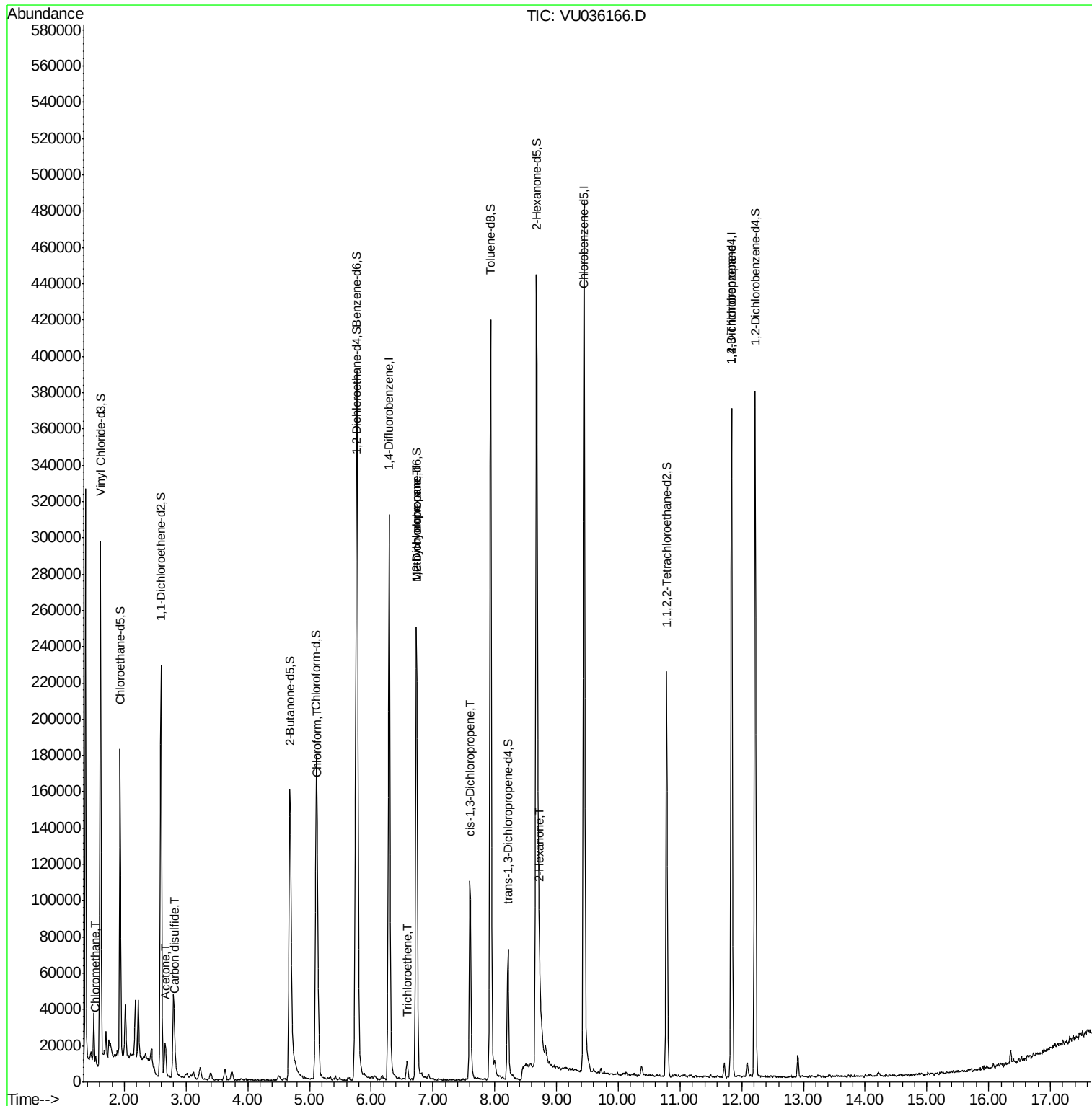
|                             |       |    |       |              | Qvalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 3) Chloromethane            | 1.54  | 50 | 3607  | 0.097 ug/L   | 97     |
| 13) Acetone                 | 2.66  | 43 | 21808 | 5.904 ug/L   | 97     |
| 14) Carbon disulfide        | 2.83  | 76 | 8249  | 0.126 ug/L   | 98     |
| 25) Chloroform              | 5.13  | 83 | 36292 | 0.915 ug/L   | 98     |
| 34) Trichloroethene         | 6.57  | 95 | 2975  | 0.128 ug/L   | 94     |
| 35) Methylcyclohexane       | 6.73  | 83 | 29353 | 0.886 ug/L # | 19     |
| 37) 1,2-Dichloropropane     | 6.73  | 63 | 13454 | 0.574 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene | 7.60  | 75 | 3196  | 0.103 ug/L # | 55     |
| 48) 2-Hexanone              | 8.73  | 43 | 9173  | 1.056 ug/L # | 82     |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75 | 11544 | 0.746 ug/L   | 92     |

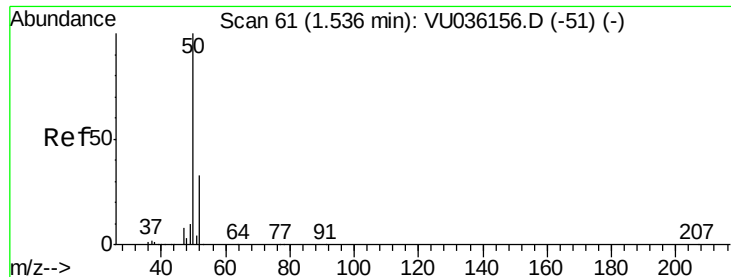
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.097 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036166.D

Acq: 12 Dec 2019 22:24

Instrument :

MSVOA\_U

ClientSampleId :

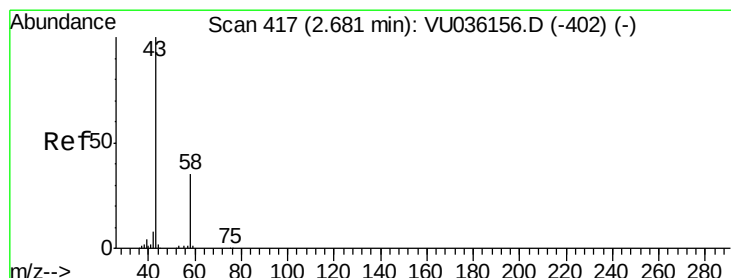
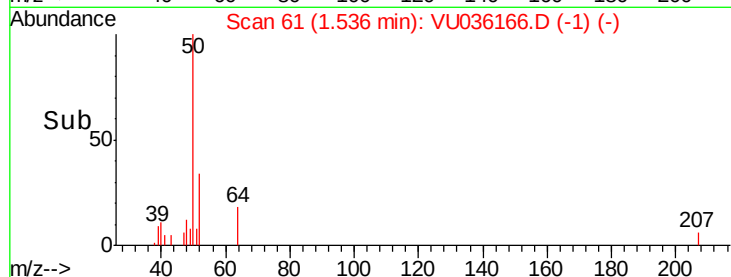
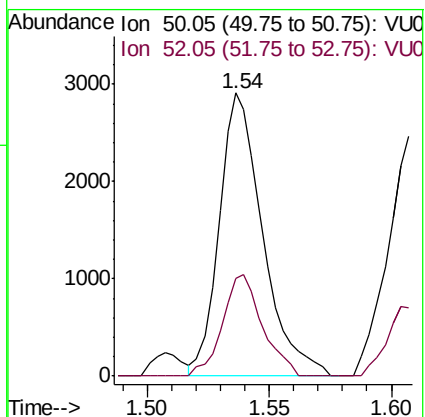
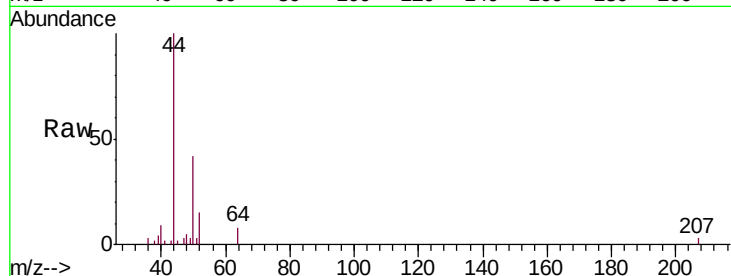
BFDQ6

Tgt Ion: 50 Resp: 3607

Ion Ratio Lower Upper

50 100

52 34.4 23.0 42.8



#13

Acetone

Concen: 5.904 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.02 min

Lab File: VU036166.D

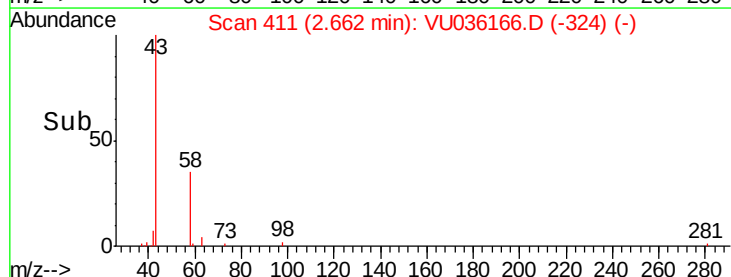
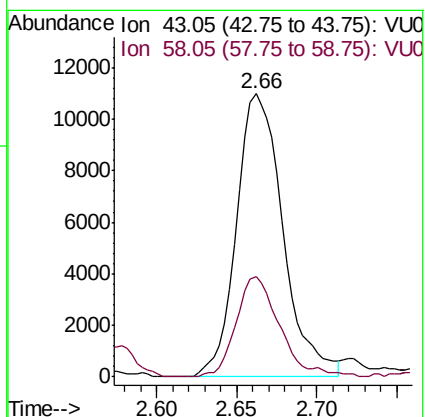
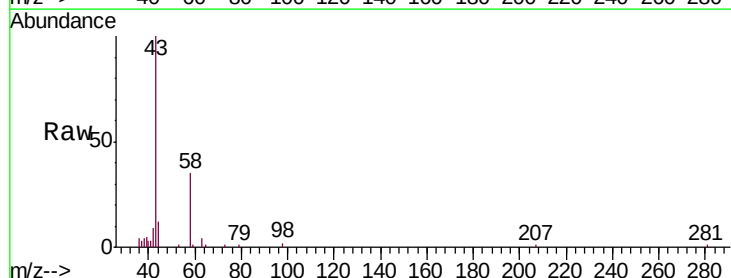
Acq: 12 Dec 2019 22:24

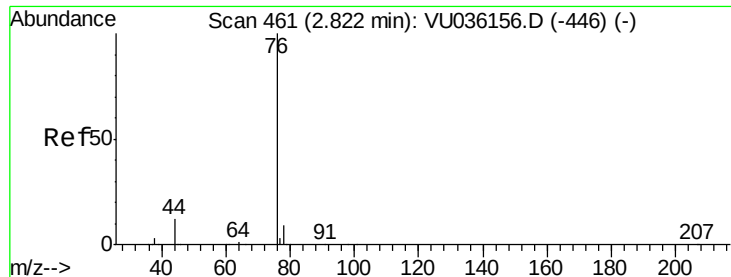
Tgt Ion: 43 Resp: 21808

Ion Ratio Lower Upper

43 100

58 33.1 0.0 70.0

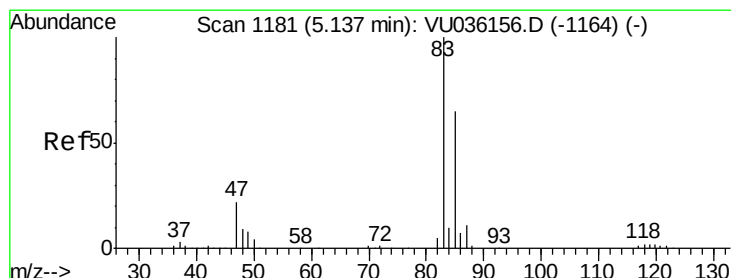
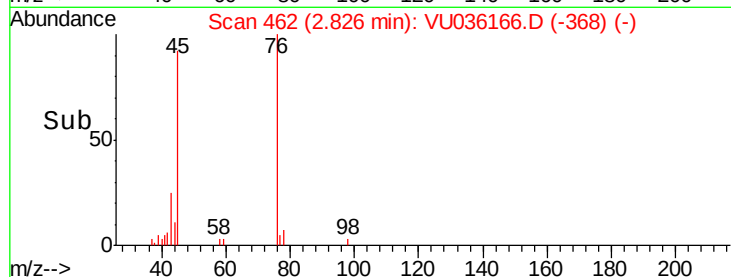
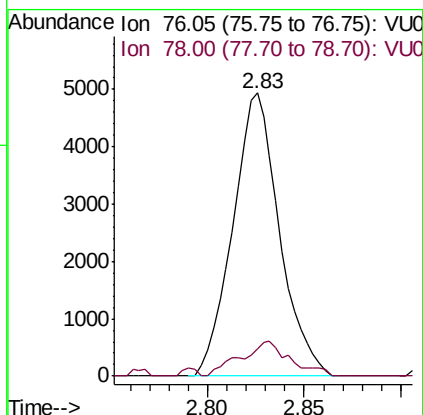
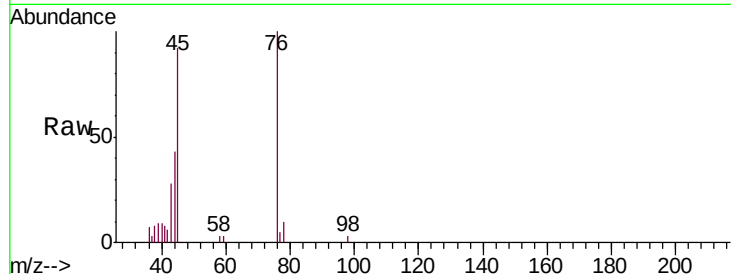




#14  
Carbon disulfide  
Concen: 0.126 ug/L  
RT: 2.83 min Scan# 462  
Delta R.T. 0.00 min  
Lab File: VU036166.D  
Acq: 12 Dec 2019 22:24

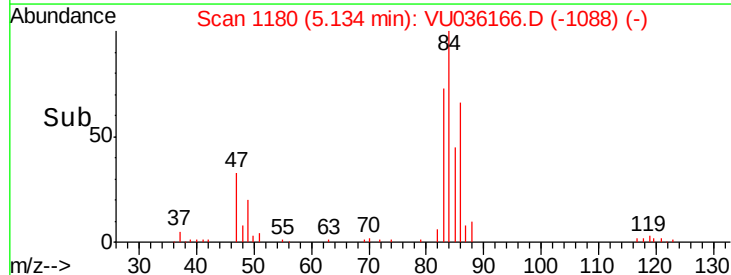
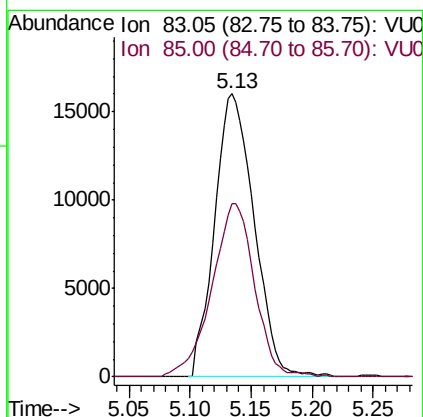
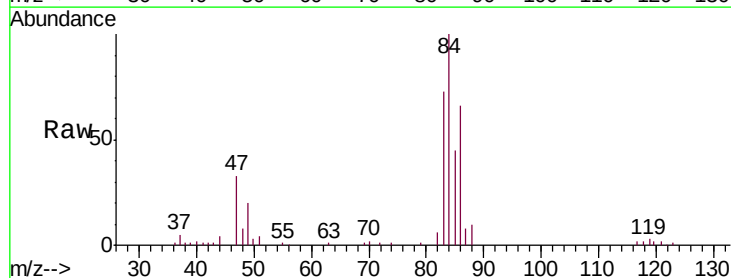
Instrument :  
MSVOA\_U  
ClientSampled :  
BFDQ6

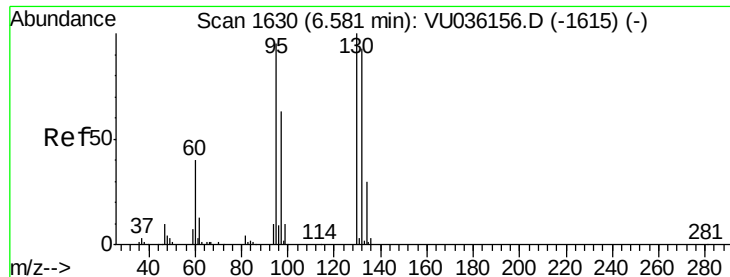
Tgt Ion: 76 Resp: 8249  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.2 10.8



#25  
Chloroform  
Concen: 0.915 ug/L  
RT: 5.13 min Scan# 1180  
Delta R.T. -0.00 min  
Lab File: VU036166.D  
Acq: 12 Dec 2019 22:24

Tgt Ion: 83 Resp: 36292  
Ion Ratio Lower Upper  
83 100  
85 61.3 44.2 82.0





#34

Trichloroethene

Concen: 0.128 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.01 min

Lab File: VU036166.D

Acq: 12 Dec 2019 22:24

Instrument :

MSVOA\_U

ClientSampleId :

BFDQ6

Tgt Ion: 95 Resp: 2975

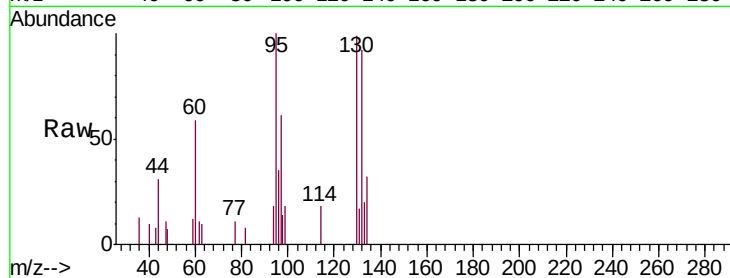
Ion Ratio Lower Upper

95 100

97 61.5 43.7 81.1

132 91.8 71.7 133.3

130 98.8 73.1 135.7

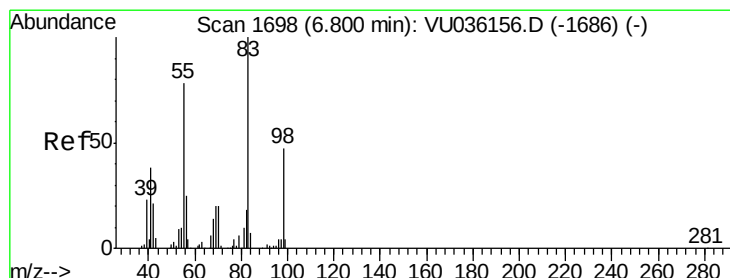
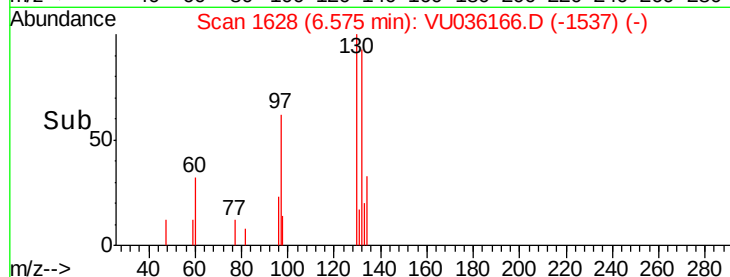
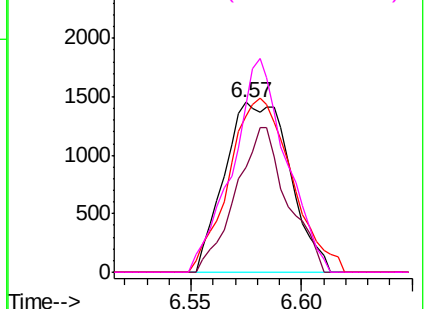


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.886 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU036166.D

Acq: 12 Dec 2019 22:24

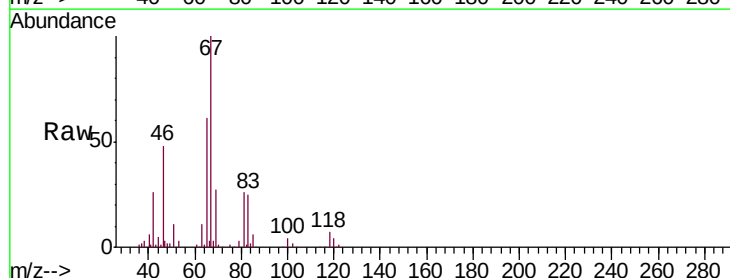
Tgt Ion: 83 Resp: 29353

Ion Ratio Lower Upper

83 100

55 0.2 61.9 92.9#

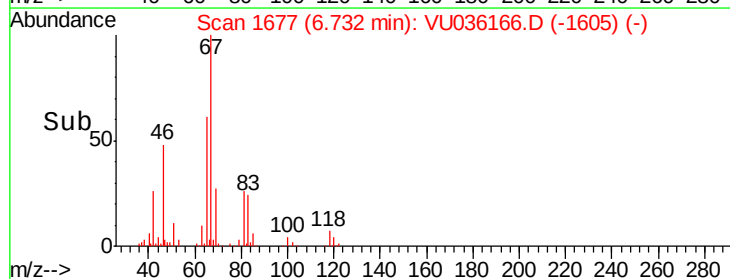
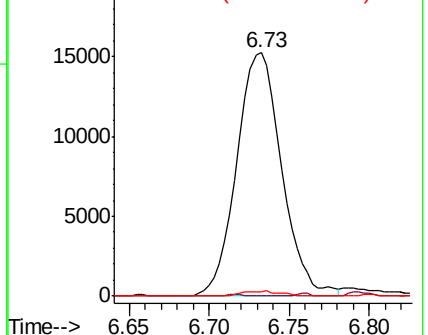
98 1.7 35.8 53.6#

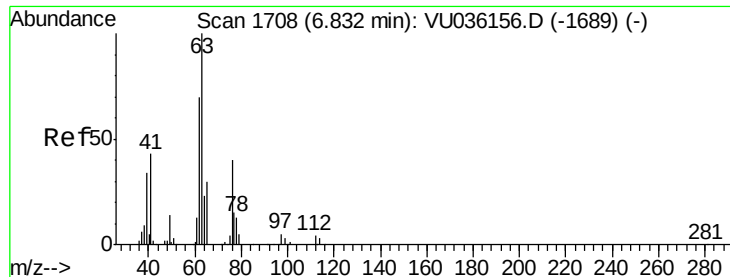


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

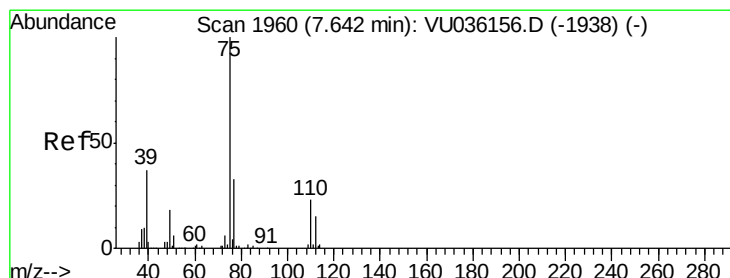
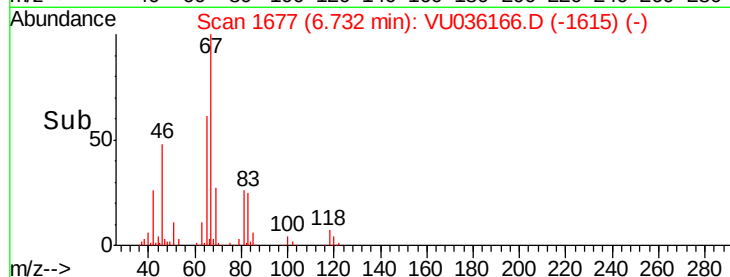
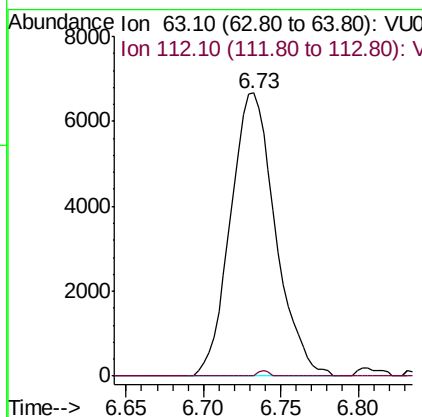
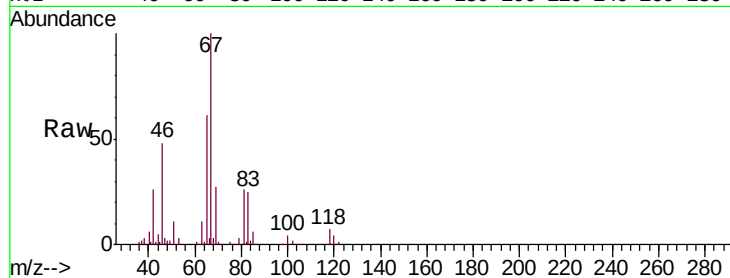




#37  
 1,2-Dichloropropane  
 Concen: 0.574 ug/L  
 RT: 6.73 min Scan# 1677  
 Delta R.T. -0.10 min  
 Lab File: VU036166.D  
 Acq: 12 Dec 2019 22:24

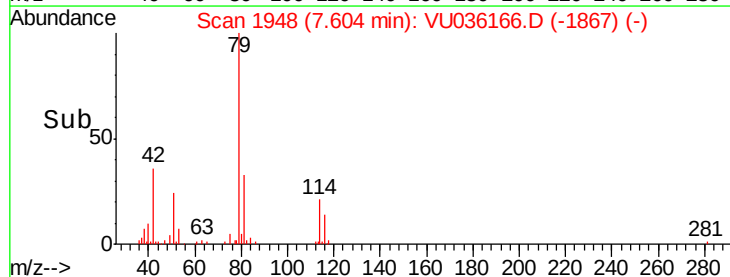
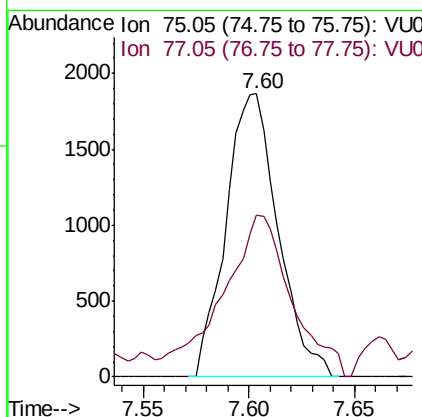
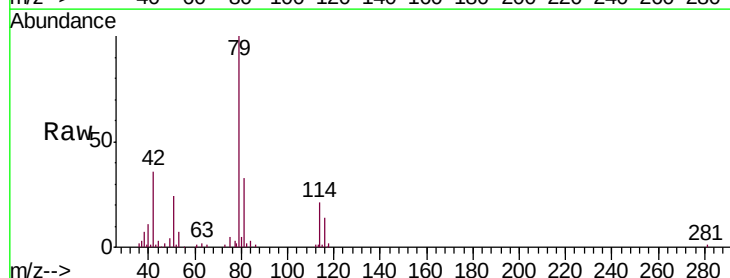
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFDQ6

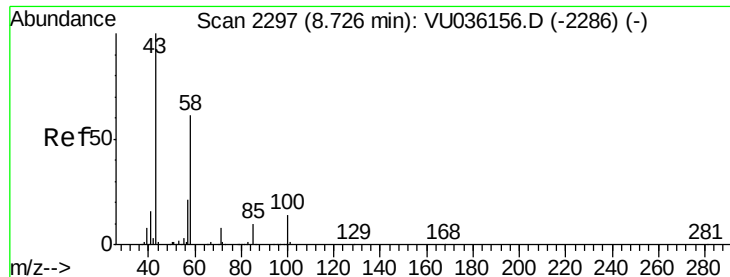
Tgt Ion: 63 Resp: 13454  
 Ion Ratio Lower Upper  
 63 100  
 112 0.5 3.6 5.4#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.103 ug/L  
 RT: 7.60 min Scan# 1948  
 Delta R.T. -0.04 min  
 Lab File: VU036166.D  
 Acq: 12 Dec 2019 22:24

Tgt Ion: 75 Resp: 3196  
 Ion Ratio Lower Upper  
 75 100  
 77 57.0 22.3 41.5#

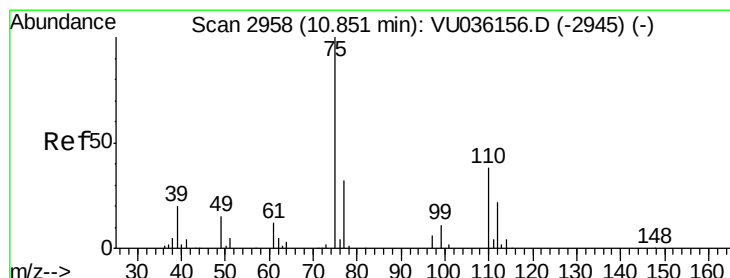
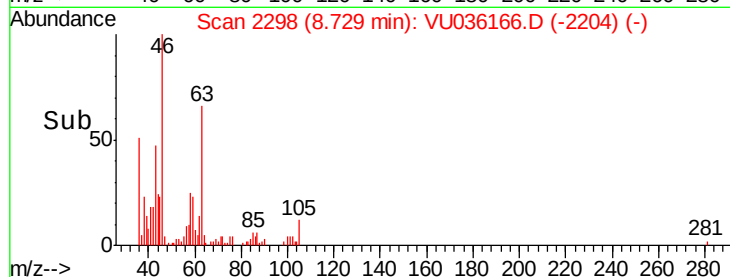
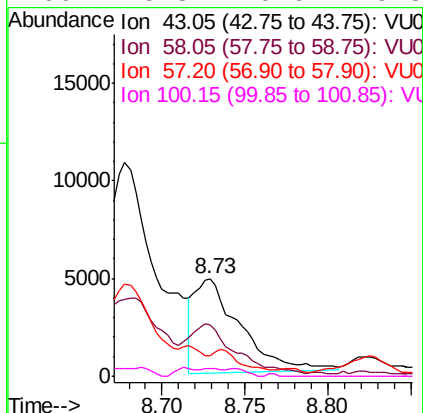
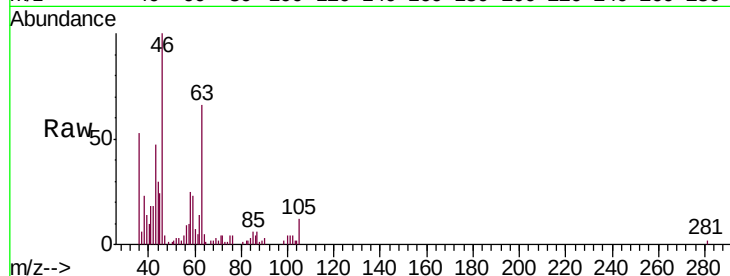




#48  
2-Hexanone  
Concen: 1.056 ug/L  
RT: 8.73 min Scan# 2298  
Delta R.T. 0.00 min  
Lab File: VU036166.D  
Acq: 12 Dec 2019 22:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFDQ6

Tgt Ion: 43 Resp: 9173  
Ion Ratio Lower Upper  
43 100  
58 54.5 48.6 72.8  
57 0.0 16.7 25.1#  
100 3.8 10.6 15.8#



#59  
1,2,3-Trichloropropane  
Concen: 0.746 ug/L  
RT: 11.83 min Scan# 3264  
Delta R.T. 0.98 min  
Lab File: VU036166.D  
Acq: 12 Dec 2019 22:24

Tgt Ion: 75 Resp: 11544  
Ion Ratio Lower Upper  
75 100  
77 37.8 26.6 39.8

