

Data File : VU035912.D  
Acq On : 29 Nov 2019 10:55  
Operator : JC/SP  
Sample : K6056-13  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFE19

Quant Time: Nov 30 03:22:52 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR112119WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Nov 30 03:20:00 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 316177   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 340991   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 104797   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 101172   | 2.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 49.00%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 101292   | 2.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 56.60%# |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 126290   | 1.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 32.80%# |
| 20) 2-Butanone-d5              | 4.69   | 46    | 331167   | 34.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 69.30%  |
| 24) Chloroform-d               | 5.11   | 84    | 210010   | 3.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 60.00%# |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 116730   | 2.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 59.40%# |
| 32) Benzene-d6                 | 5.77   | 84    | 374701   | 2.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 57.60%# |
| 36) 1,2-Dichloropropane-d6     | 6.73   | 67    | 141099   | 3.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 64.40%  |
| 41) Toluene-d8                 | 7.93   | 98    | 291051   | 2.42     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 48.40%# |
| 43) trans-1,3-Dichloropropene- | 8.21   | 79    | 45128    | 2.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 52.80%# |
| 46) 2-Hexanone-d5              | 8.68   | 63    | 240705   | 35.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 70.22%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 120221   | 3.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 65.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 91795    | 4.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 80.60%  |

#### Target Compounds

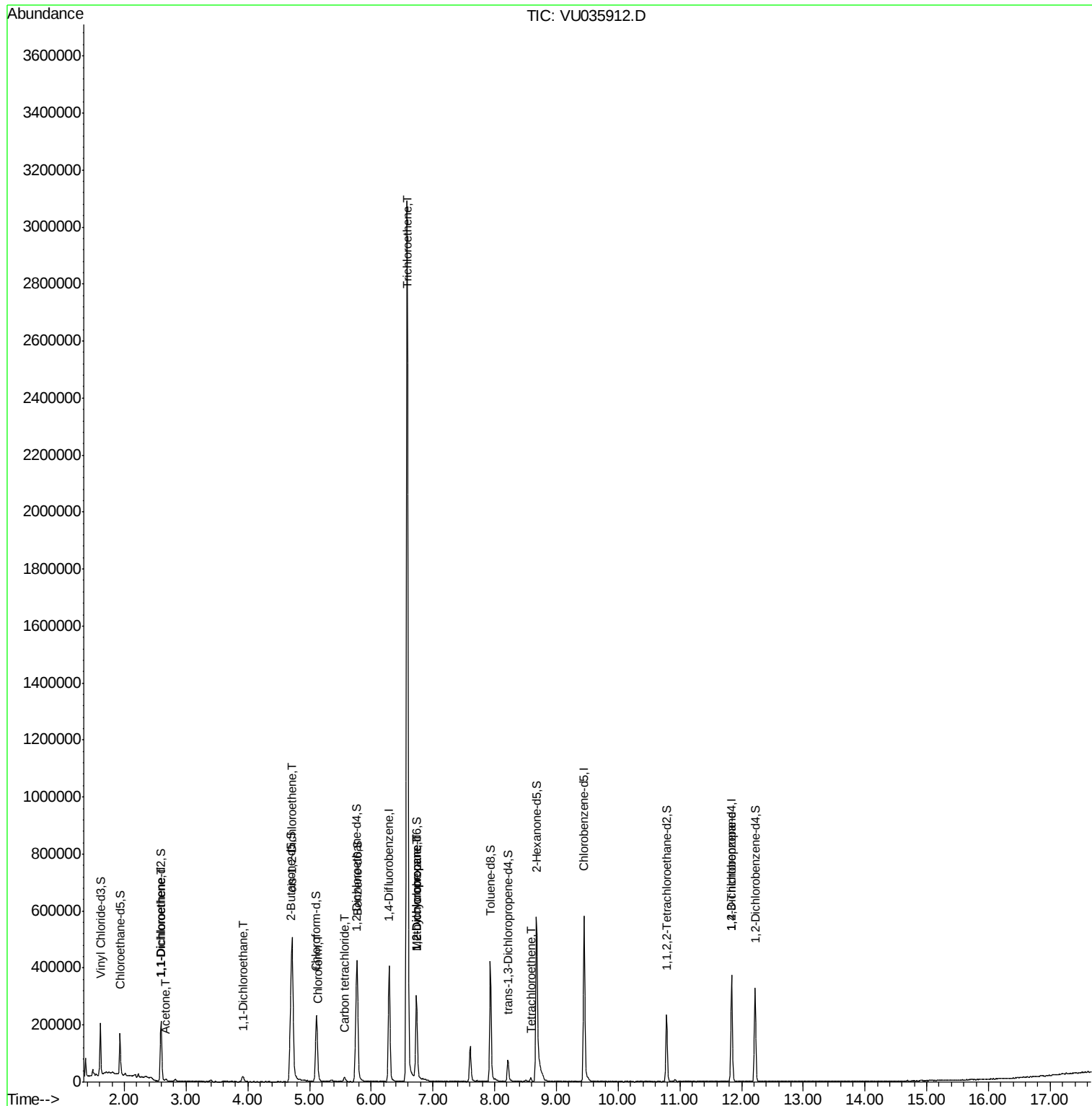
|                            |       |     |         |              | Qvalue |
|----------------------------|-------|-----|---------|--------------|--------|
| 12) 1,1-Dichloroethene     | 2.61  | 96  | 4786    | 0.145 ug/L # | 1      |
| 13) Acetone                | 2.67  | 43  | 9996    | 1.191 ug/L   | 89     |
| 19) 1,1-Dichloroethane     | 3.92  | 63  | 22487   | 0.309 ug/L   | 96     |
| 22) cis-1,2-Dichloroethene | 4.72  | 96  | 214922  | 5.954 ug/L   | 98     |
| 25) Chloroform             | 5.14  | 83  | 12786   | 0.181 ug/L   | 99     |
| 31) Carbon tetrachloride   | 5.56  | 117 | 11227   | 0.235 ug/L   | 98     |
| 34) Trichloroethene        | 6.58  | 95  | 1082257 | 31.012 ug/L  | 98     |
| 35) Methylcyclohexane      | 6.73  | 83  | 32661   | 0.638 ug/L # | 13     |
| 37) 1,2-Dichloropropane    | 6.73  | 63  | 15091   | 0.374 ug/L # | 92     |
| 47) Tetrachloroethene      | 8.59  | 164 | 3125    | 0.118 ug/L   | 90     |
| 59) 1,2,3-Trichloropropane | 11.84 | 75  | 13201   | 0.503 ug/L   | 89     |

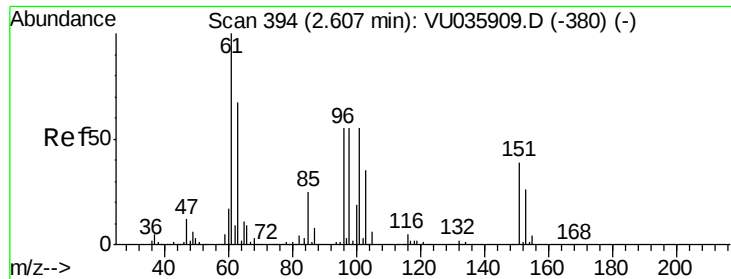
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Nov 30 03:20:00 2019  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.145 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035912.D

Acq: 29 Nov 2019 10:55

Instrument :

MSVOA\_U

ClientSampleId :

BFE19

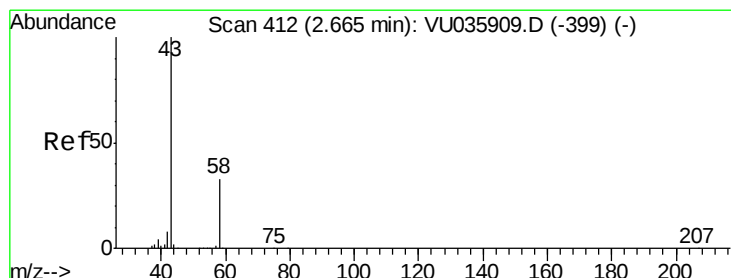
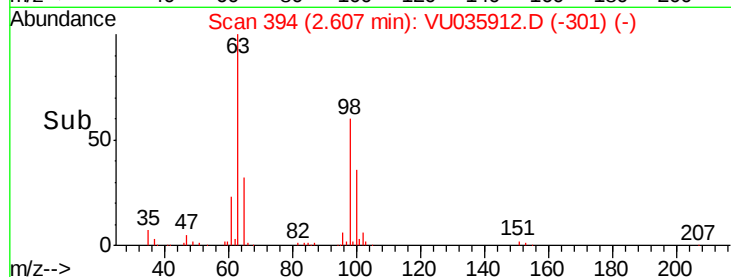
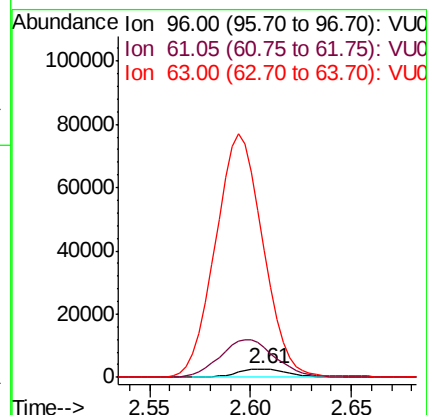
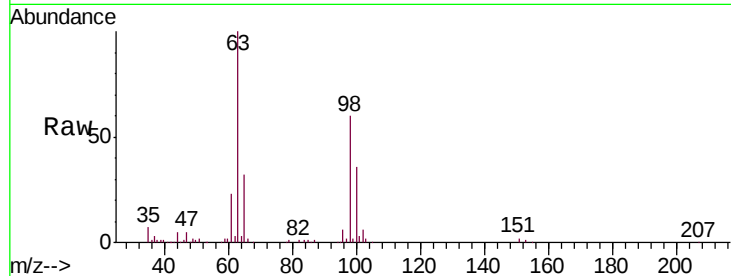
Tgt Ion: 96 Resp: 4786

Ion Ratio Lower Upper

96 100

61 362.7 139.3 258.7#

63 1570.0 93.7 174.1#



#13

Acetone

Concen: 1.191 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.01 min

Lab File: VU035912.D

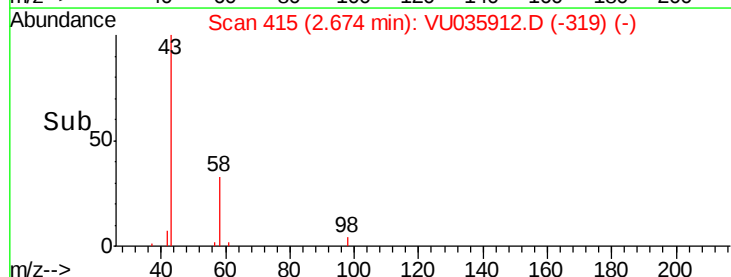
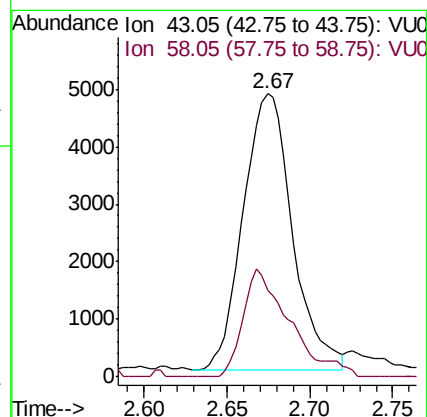
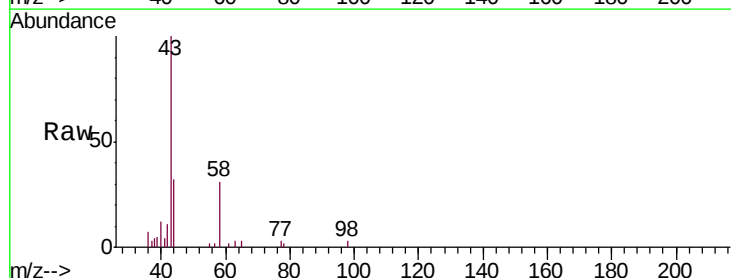
Acq: 29 Nov 2019 10:55

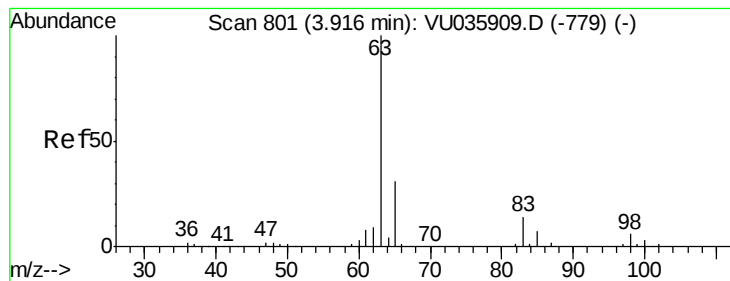
Tgt Ion: 43 Resp: 9996

Ion Ratio Lower Upper

43 100

58 36.8 0.0 61.2





#19

1,1-Dichloroethane

Concen: 0.309 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.01 min

Lab File: VU035912.D

Acq: 29 Nov 2019 10:55

Instrument :

MSVOA\_U

ClientSampleId :

BFE19

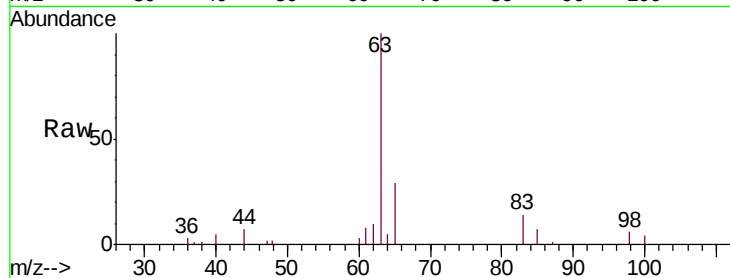
Tgt Ion: 63 Resp: 22487

Ion Ratio Lower Upper

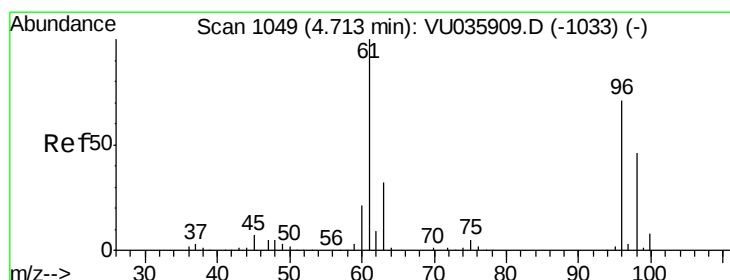
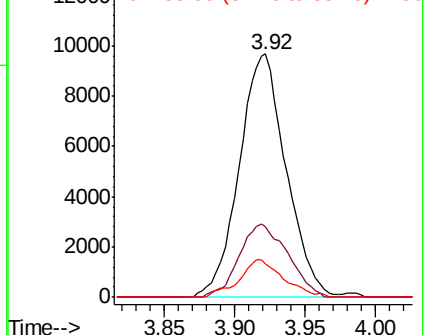
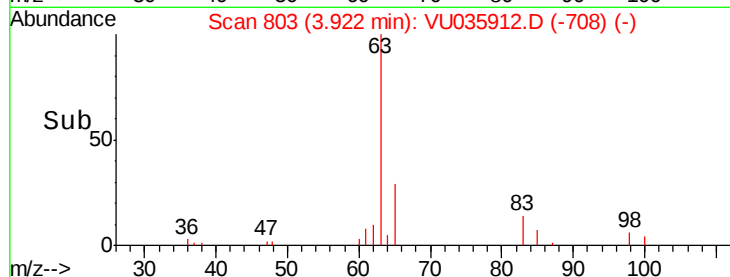
63 100

65 29.0 21.8 40.4

83 14.0 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU035912.D (-708) (-)



#22

cis-1,2-Dichloroethene

Concen: 5.954 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VU035912.D

Acq: 29 Nov 2019 10:55

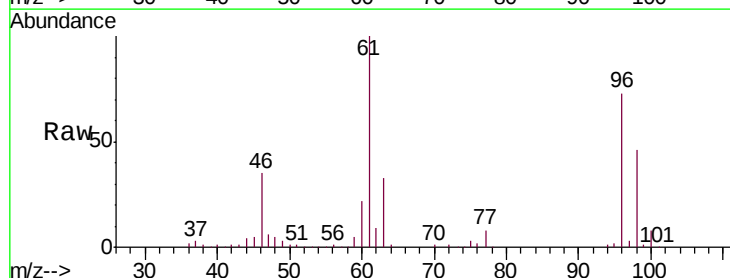
Tgt Ion: 96 Resp: 214922

Ion Ratio Lower Upper

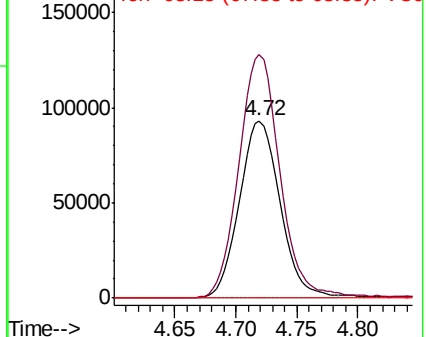
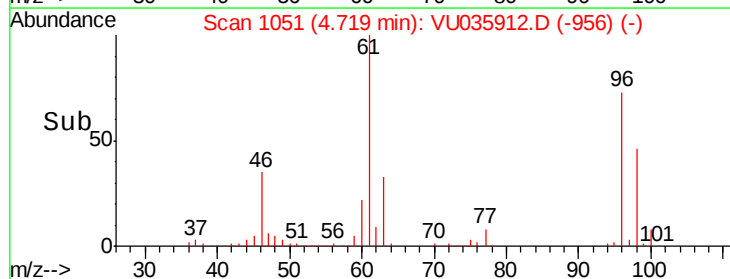
96 100

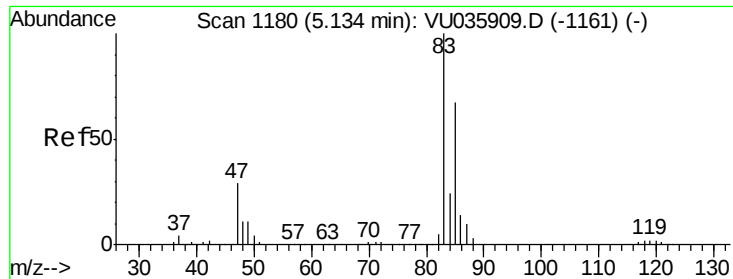
61 137.2 98.1 182.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035912.D (-956) (-)

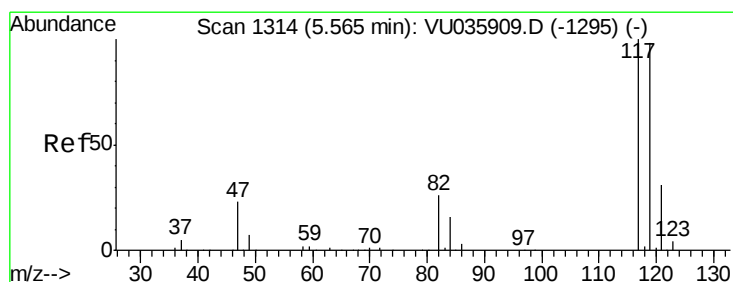
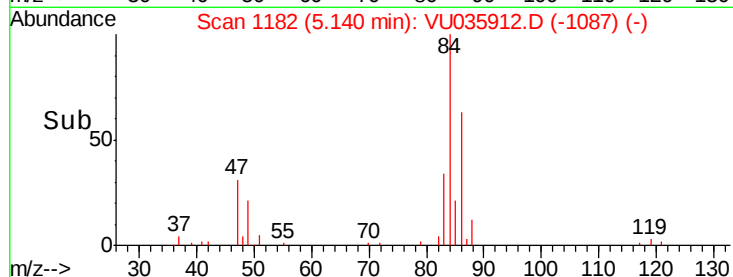
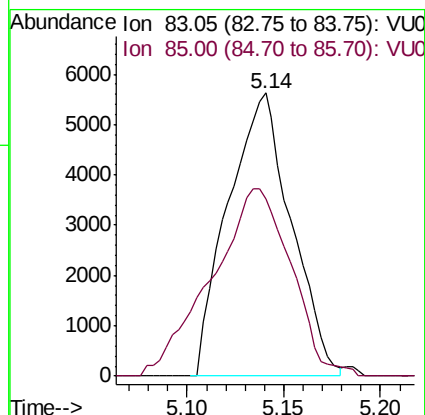
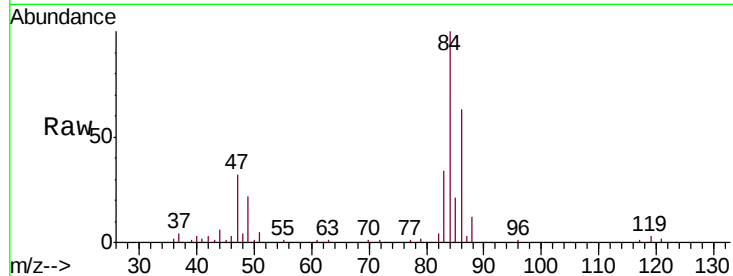




#25  
Chloroform  
Concen: 0.181 ug/L  
RT: 5.14 min Scan# 1182  
Delta R.T. 0.01 min  
Lab File: VU035912.D  
Acq: 29 Nov 2019 10:55

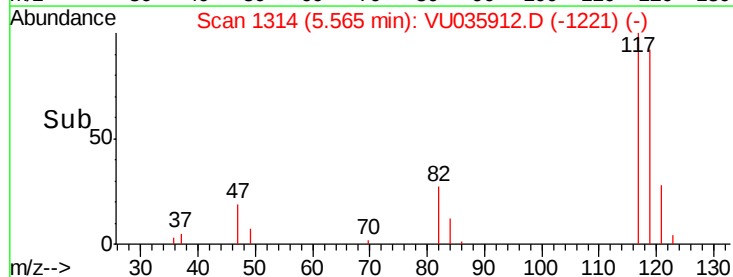
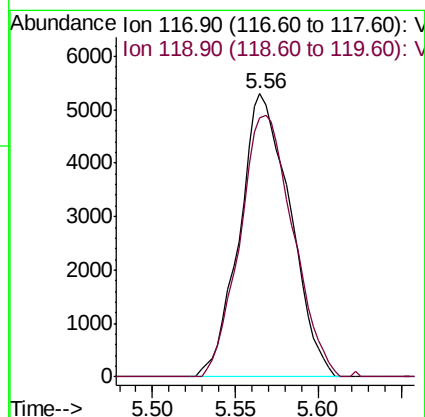
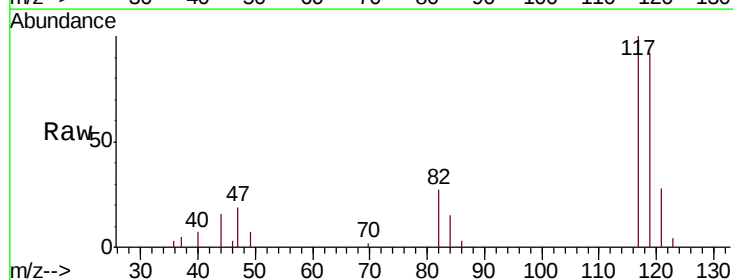
Instrument :  
MSVOA\_U  
ClientSampled :  
BFE19

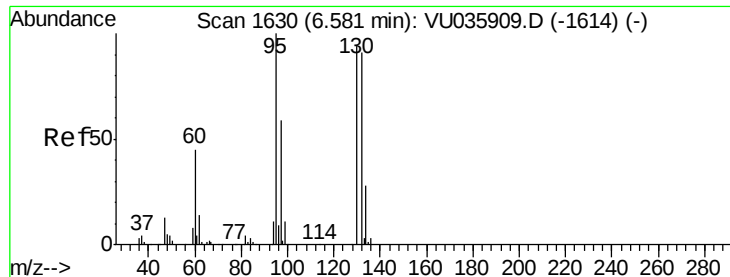
Tgt Ion: 83 Resp: 12786  
Ion Ratio Lower Upper  
83 100  
85 62.7 44.6 82.8



#31  
Carbon tetrachloride  
Concen: 0.235 ug/L  
RT: 5.56 min Scan# 1314  
Delta R.T. -0.00 min  
Lab File: VU035912.D  
Acq: 29 Nov 2019 10:55

Tgt Ion: 117 Resp: 11227  
Ion Ratio Lower Upper  
117 100  
119 97.2 76.0 114.0





#34

Trichloroethene

Concen: 31.012 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035912.D

Acq: 29 Nov 2019 10:55

Instrument :

MSVOA\_U

ClientSampleId :

BFE19

Tgt Ion: 95 Resp: 1082257

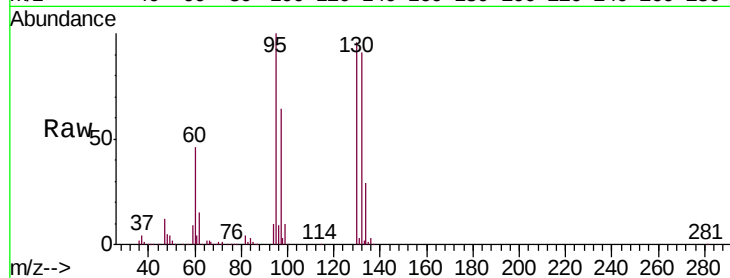
Ion Ratio Lower Upper

95 100

97 63.6 45.1 83.9

132 91.5 61.9 114.9

130 95.6 66.3 123.1

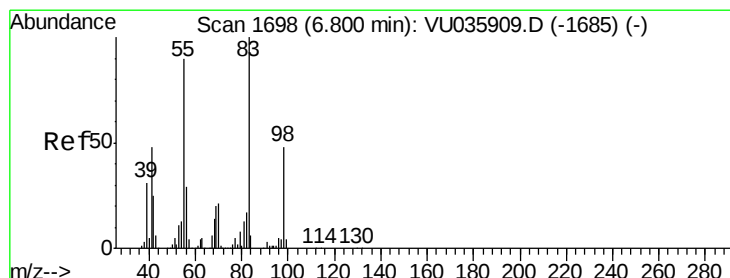
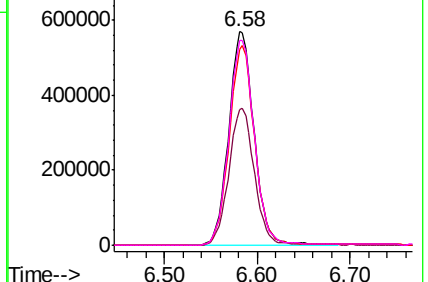
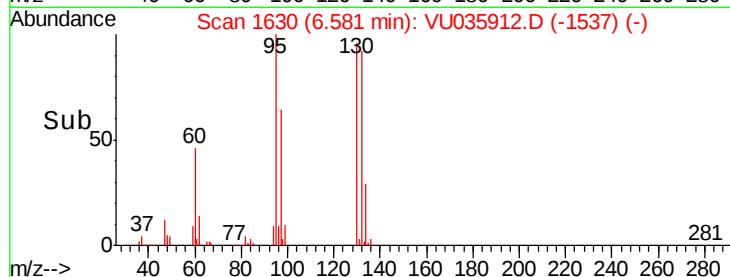


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.638 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU035912.D

Acq: 29 Nov 2019 10:55

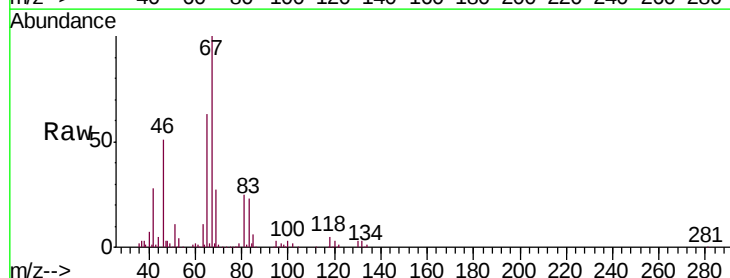
Tgt Ion: 83 Resp: 32661

Ion Ratio Lower Upper

83 100

55 0.4 72.7 109.1#

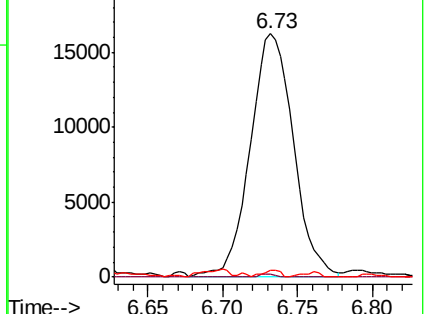
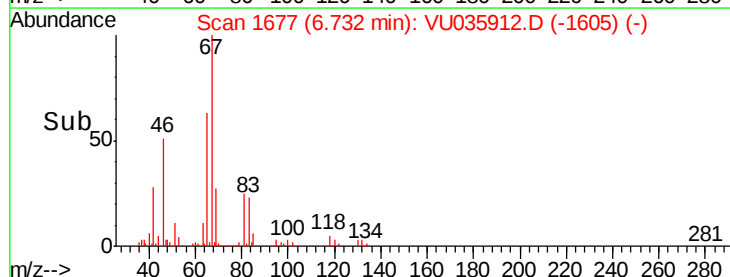
98 0.0 36.2 54.4#

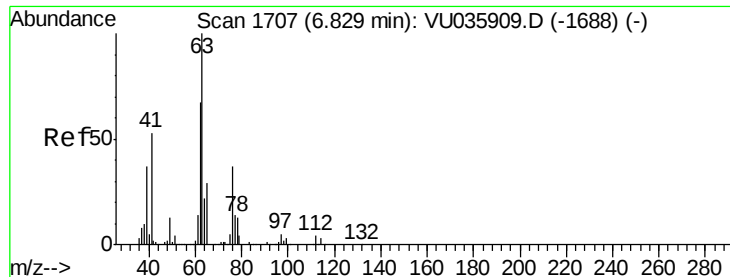


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

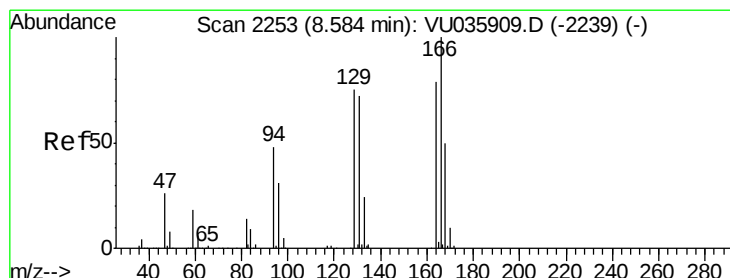
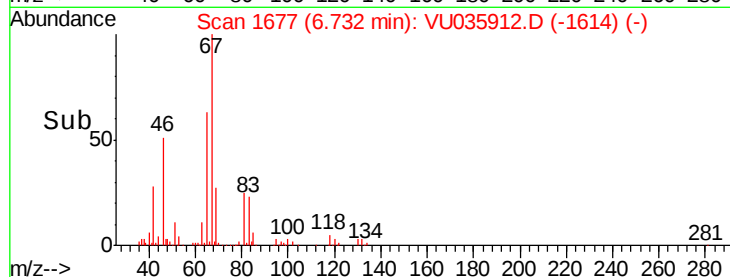
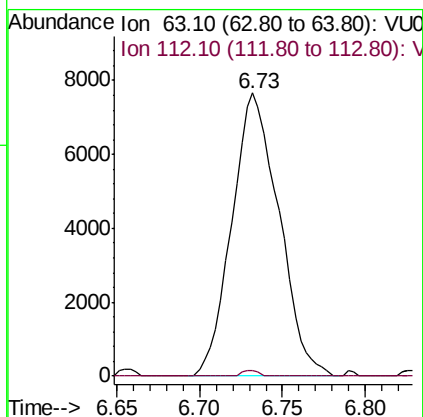
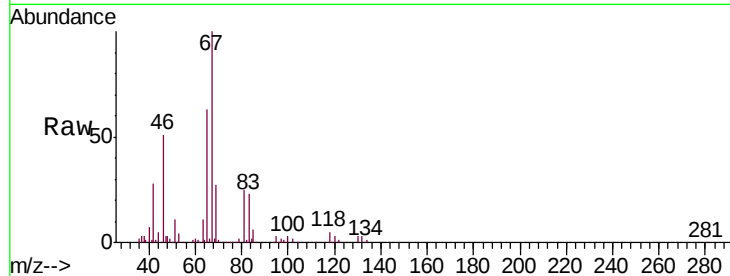




#37  
 1,2-Dichloropropane  
 Concen: 0.374 ug/L  
 RT: 6.73 min Scan# 1677  
 Delta R.T. -0.10 min  
 Lab File: VU035912.D  
 Acq: 29 Nov 2019 10:55

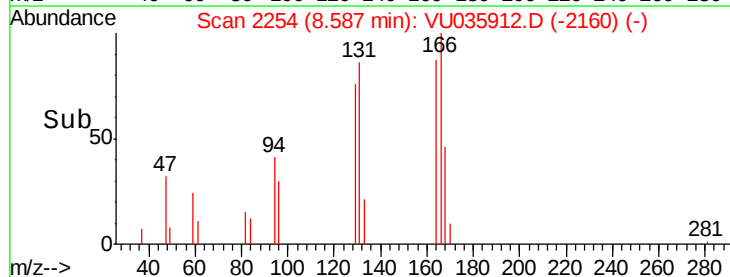
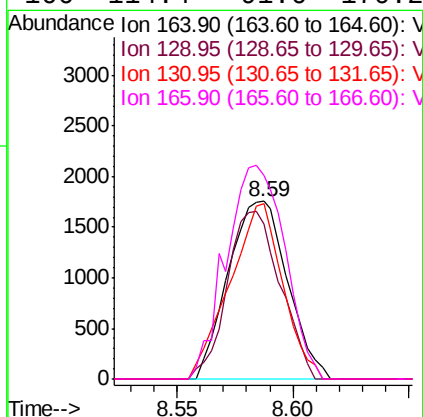
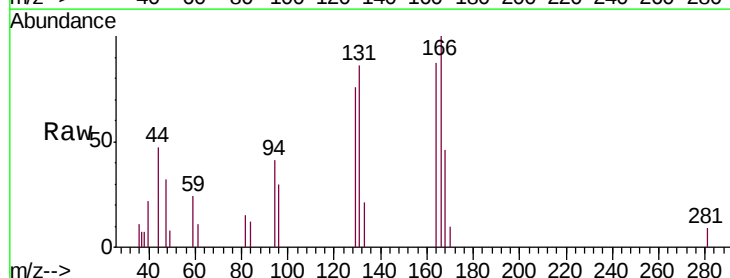
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFE19

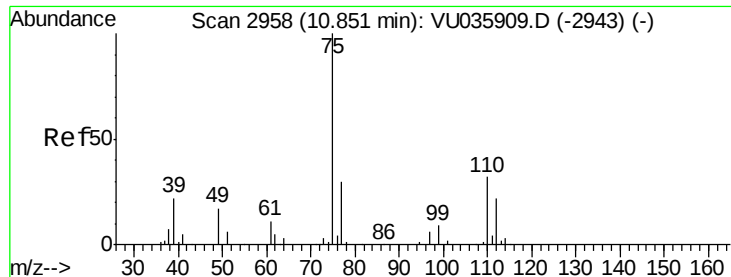
Tgt Ion: 63 Resp: 15091  
 Ion Ratio Lower Upper  
 63 100  
 112 0.7 2.7 4.1#



#47  
 Tetrachloroethene  
 Concen: 0.118 ug/L  
 RT: 8.59 min Scan# 2254  
 Delta R.T. 0.00 min  
 Lab File: VU035912.D  
 Acq: 29 Nov 2019 10:55

Tgt Ion: 164 Resp: 3125  
 Ion Ratio Lower Upper  
 164 100  
 129 87.1 68.8 127.8  
 131 98.8 67.3 124.9  
 166 114.4 91.6 170.2





#59

1,2,3-Trichloropropane

Concen: 0.503 ug/L

RT: 11.84 min Scan# 3265

Delta R.T. 0.99 min

Lab File: VU035912.D

Acq: 29 Nov 2019 10:55

Instrument :

MSVOA\_U

ClientSampleId :

BFE19

Tgt Ion: 75 Resp: 13201

Ion Ratio Lower Upper

75 100

77 37.7 25.4 38.2

