

Data File : VU035500.D  
Acq On : 25 Oct 2019 20:50  
Operator : JC/SP  
Sample : K5554-09  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GAQ89

Quant Time: Oct 26 04:11:43 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR102519WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Oct 26 04:07:11 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 196699   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 216267   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 86044    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 132464   | 5.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 101.40% |
| 7) Chloroethane-d5             | 1.93   | 69    | 106135   | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 99.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 164011   | 3.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 76.40%  |
| 20) 2-Butanone-d5              | 4.71   | 46    | 268995   | 51.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 103.90% |
| 24) Chloroform-d               | 5.11   | 84    | 188145   | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.20% |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 108670   | 5.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 106.60% |
| 32) Benzene-d6                 | 5.77   | 84    | 397524   | 5.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 105.00% |
| 36) 1,2-Dichloropropane-d6     | 6.74   | 67    | 130909   | 5.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 105.60% |
| 41) Toluene-d8                 | 7.93   | 98    | 326655   | 4.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.80%  |
| 43) trans-1,3-Dichloropropene- | 8.22   | 79    | 45058    | 4.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 93.40%  |
| 46) 2-Hexanone-d5              | 8.68   | 63    | 179559   | 48.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 96.30%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 102810   | 5.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 101.40% |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 101328   | 5.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 116.60% |

#### Target Compounds

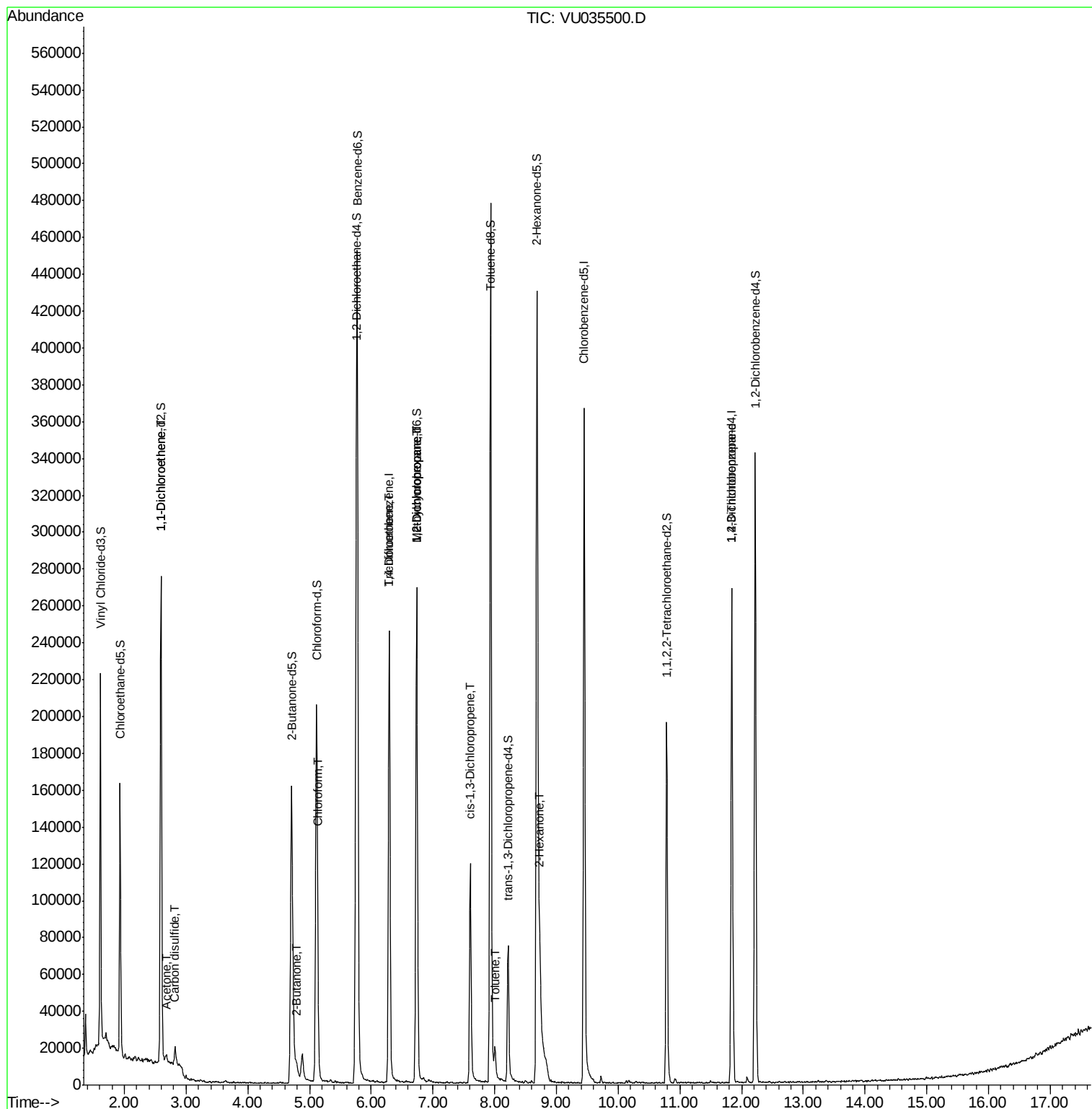
|                             |       |    |       |              | Qvalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 12) 1,1-Dichloroethene      | 2.59  | 96 | 1237  | 0.066 ug/L # | 1      |
| 13) Acetone                 | 2.68  | 43 | 7715  | 1.962 ug/L   | 95     |
| 14) Carbon disulfide        | 2.82  | 76 | 12975 | 0.196 ug/L # | 90     |
| 21) 2-Butanone              | 4.79  | 43 | 6962  | 1.220 ug/L   | 81     |
| 25) Chloroform              | 5.14  | 83 | 14140 | 0.332 ug/L   | 95     |
| 34) Trichloroethene         | 6.29  | 95 | 3524  | 0.167 ug/L # | 5      |
| 35) Methylcyclohexane       | 6.74  | 83 | 30461 | 0.930 ug/L # | 16     |
| 37) 1,2-Dichloropropane     | 6.74  | 63 | 14098 | 0.619 ug/L # | 86     |
| 39) cis-1,3-Dichloropropene | 7.61  | 75 | 2772  | 0.088 ug/L # | 44     |
| 42) Toluene                 | 8.01  | 91 | 9776  | 0.111 ug/L   | 96     |
| 48) 2-Hexanone              | 8.73  | 43 | 17127 | 1.890 ug/L   | 94     |
| 59) 1,2,3-Trichloropropane  | 11.84 | 75 | 10168 | 0.697 ug/L   | 94     |

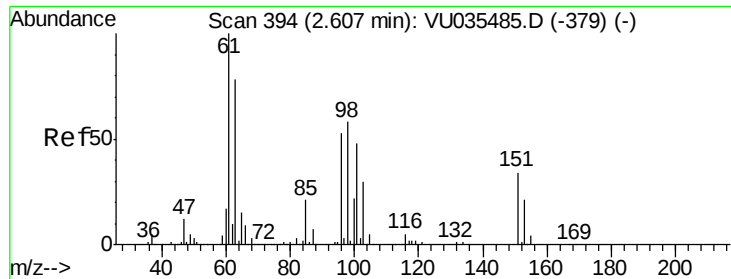
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.066 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU035500.D

Acq: 25 Oct 2019 20:50

Instrument :

MSVOA\_U

ClientSampleId :

GAQ89

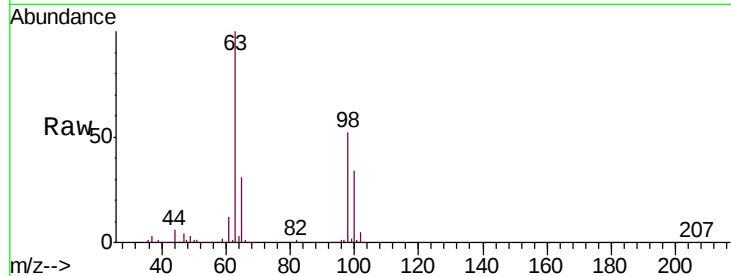
Tgt Ion: 96 Resp: 1237

Ion Ratio Lower Upper

96 100

61 1619.0 131.9 244.9#

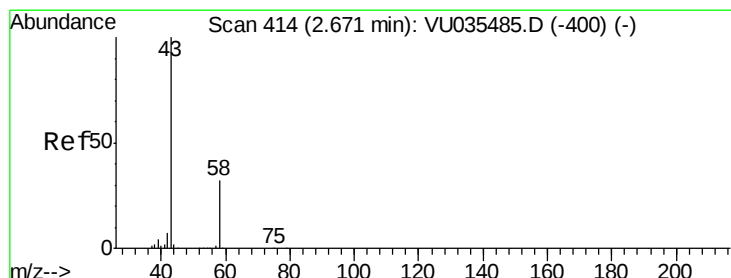
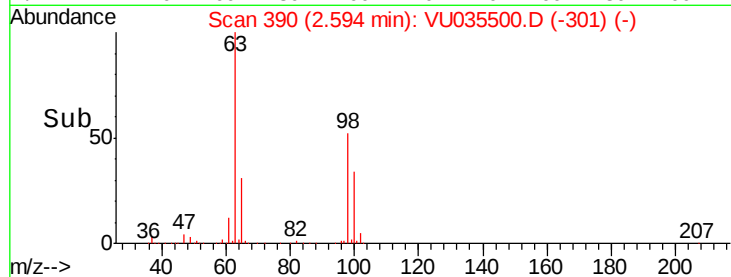
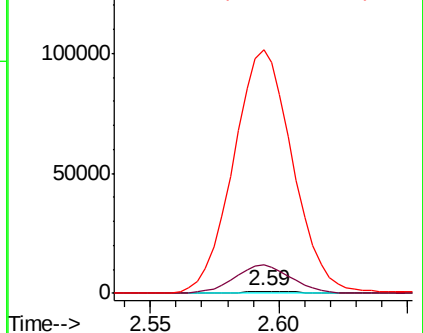
63 13645.2 97.0 180.2#



Abundance Ion 96.00 (95.70 to 96.70): VU035500.D (-390) (-)

Ion 61.05 (60.75 to 61.75): VU035500.D (-390) (-)

Ion 63.00 (62.70 to 63.70): VU035500.D (-390) (-)



#13

Acetone

Concen: 1.962 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.01 min

Lab File: VU035500.D

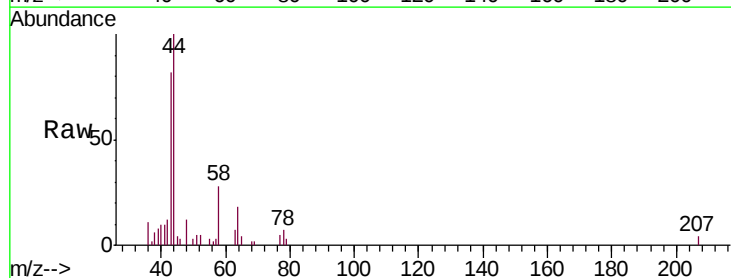
Acq: 25 Oct 2019 20:50

Tgt Ion: 43 Resp: 7715

Ion Ratio Lower Upper

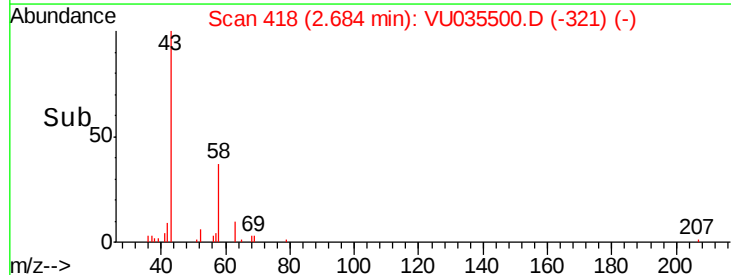
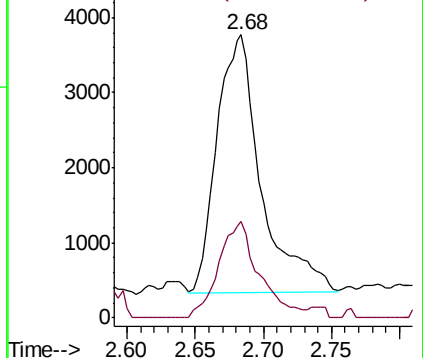
43 100

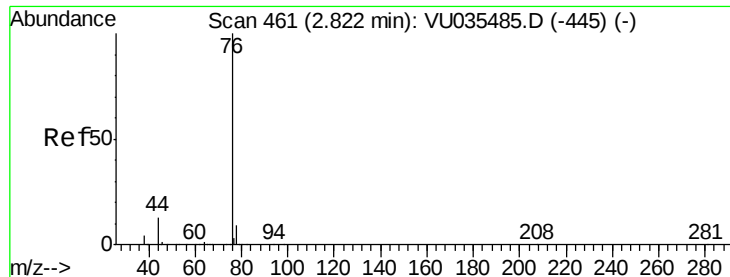
58 34.2 0.0 63.2



Abundance Ion 43.05 (42.75 to 43.75): VU035500.D (-418) (-)

Ion 58.05 (57.75 to 58.75): VU035500.D (-418) (-)





#14

Carbon disulfide

Concen: 0.196 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU035500.D

Acq: 25 Oct 2019 20:50

Instrument :

MSVOA\_U

ClientSampleId :

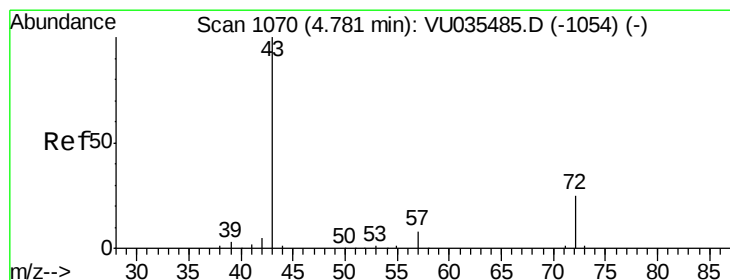
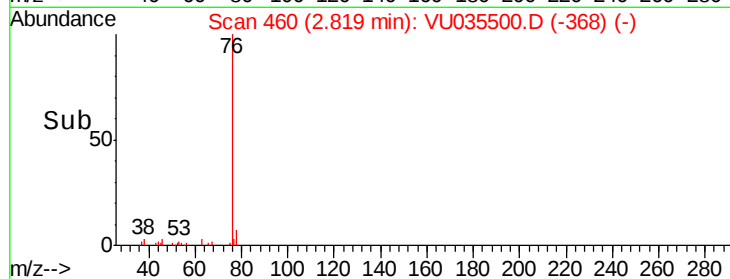
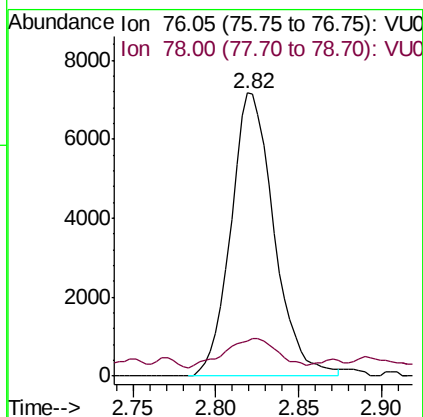
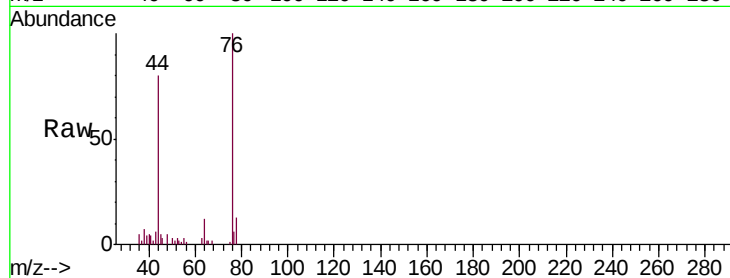
GAQ89

Tgt Ion: 76 Resp: 12975

Ion Ratio Lower Upper

76 100

78 12.6 7.3 10.9#



#21

2-Butanone

Concen: 1.220 ug/L

RT: 4.79 min Scan# 1074

Delta R.T. 0.01 min

Lab File: VU035500.D

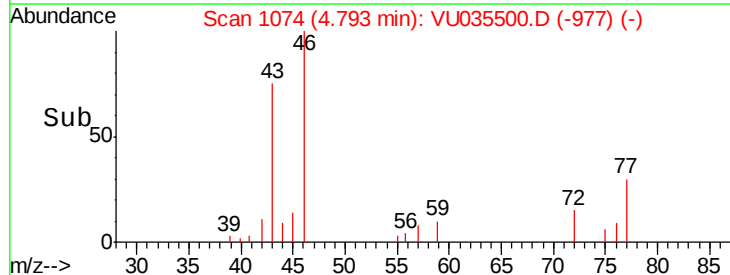
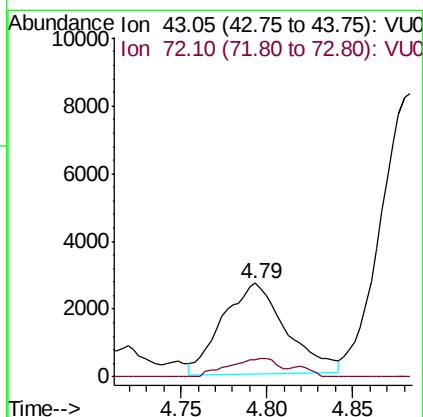
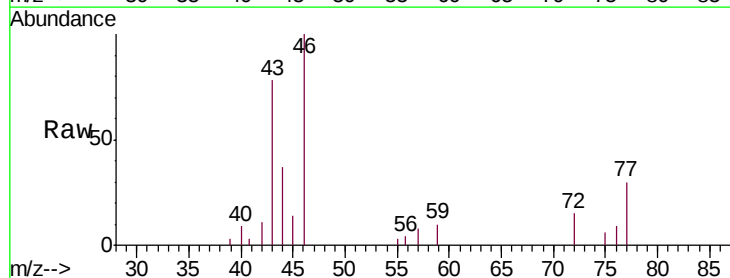
Acq: 25 Oct 2019 20:50

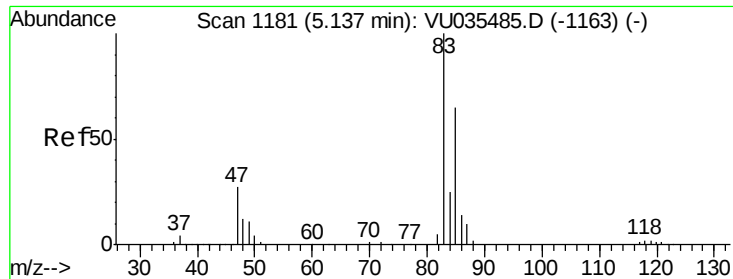
Tgt Ion: 43 Resp: 6962

Ion Ratio Lower Upper

43 100

72 16.2 12.9 38.7

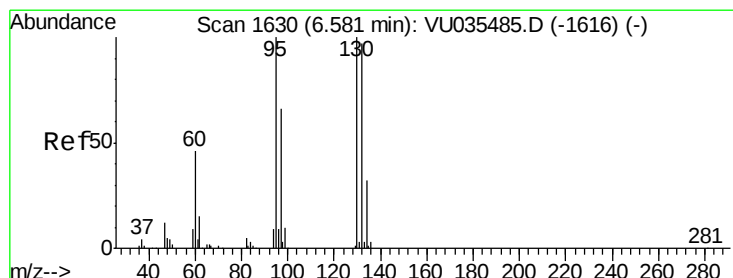
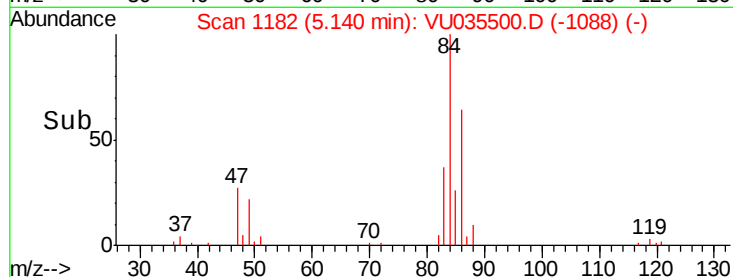
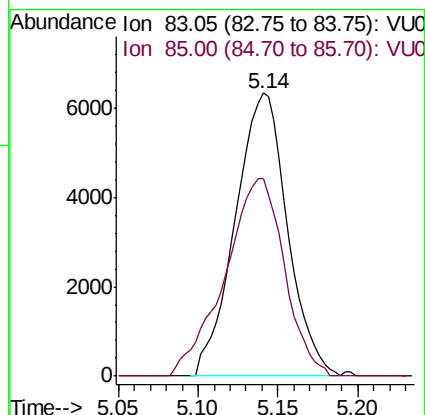
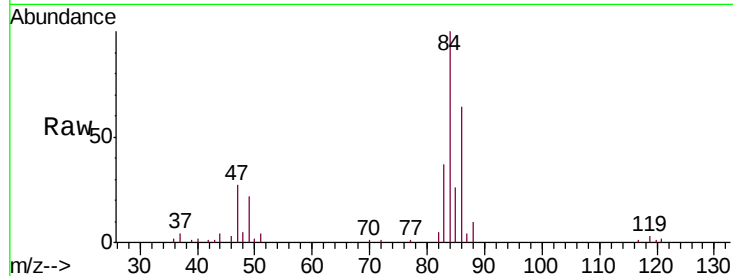




#25  
Chloroform  
Concen: 0.332 ug/L  
RT: 5.14 min Scan# 1182  
Delta R.T. 0.00 min  
Lab File: VU035500.D  
Acq: 25 Oct 2019 20:50

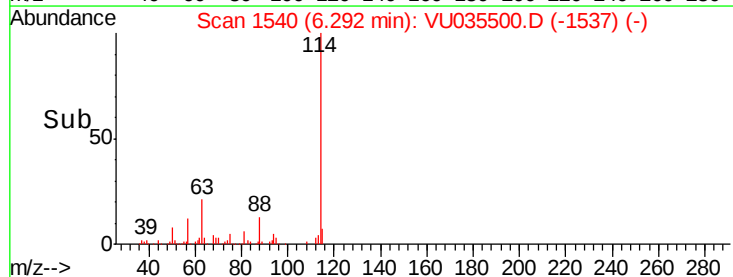
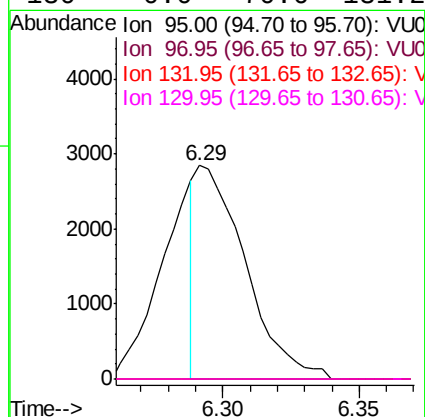
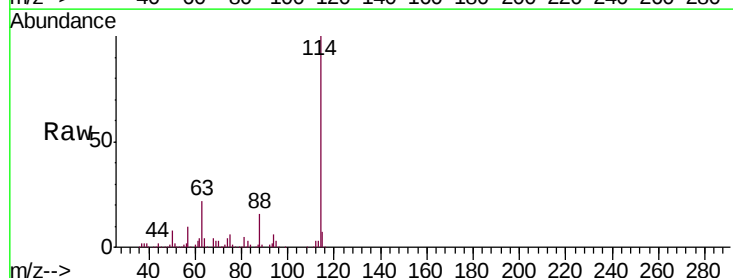
Instrument :  
MSVOA\_U  
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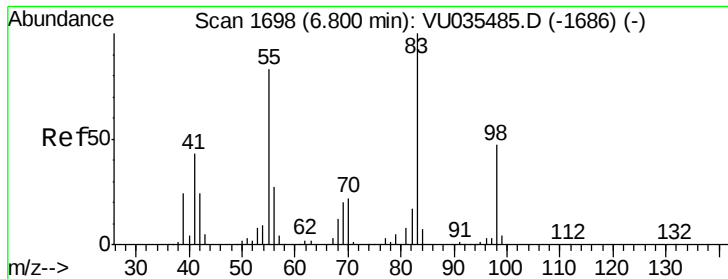
Tgt Ion: 83 Resp: 14140  
Ion Ratio Lower Upper  
83 100  
85 69.6 45.7 84.9



#34  
Trichloroethene  
Concen: 0.167 ug/L  
RT: 6.29 min Scan# 1540  
Delta R.T. -0.29 min  
Lab File: VU035500.D  
Acq: 25 Oct 2019 20:50

Tgt Ion: 95 Resp: 3524  
Ion Ratio Lower Upper  
95 100  
97 0.0 43.8 81.4#  
132 0.0 67.3 124.9#  
130 0.0 70.6 131.2#





#35

Methylcyclohexane

Concen: 0.930 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035500.D

Acq: 25 Oct 2019 20:50

Instrument :

MSVOA\_U

ClientSampleId :

GAQ89

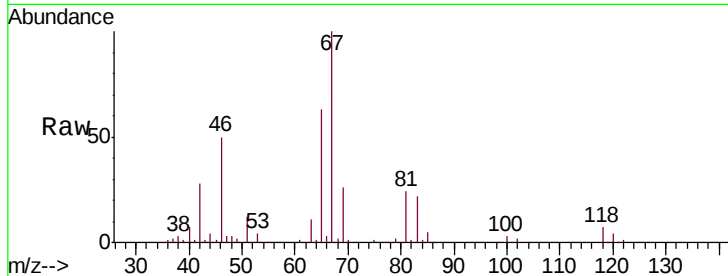
Tgt Ion: 83 Resp: 30461

Ion Ratio Lower Upper

83 100

55 0.4 67.3 100.9#

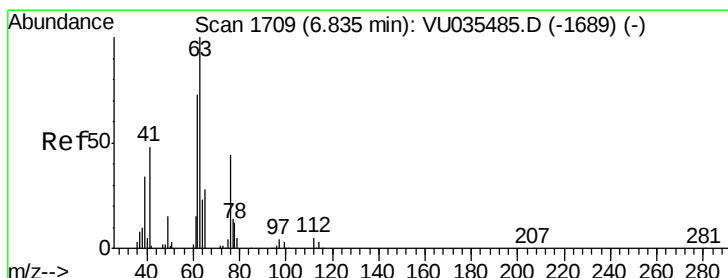
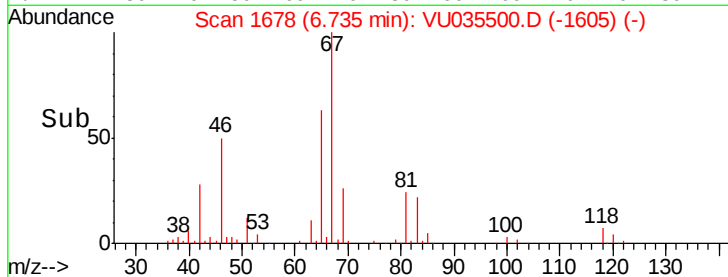
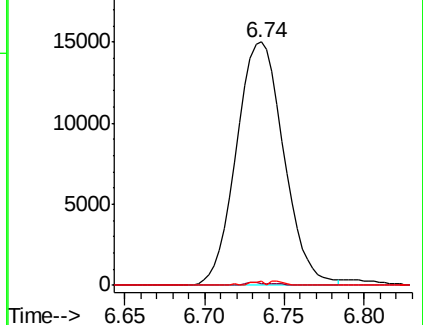
98 0.4 39.0 58.6#



Abundance Ion 83.15 (82.85 to 83.85): VU035500.D (-1678) (-)

Ion 55.10 (54.80 to 55.80): VU035500.D (-1678) (-)

Ion 98.15 (97.85 to 98.85): VU035500.D (-1678) (-)



#37

1,2-Dichloropropane

Concen: 0.619 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.10 min

Lab File: VU035500.D

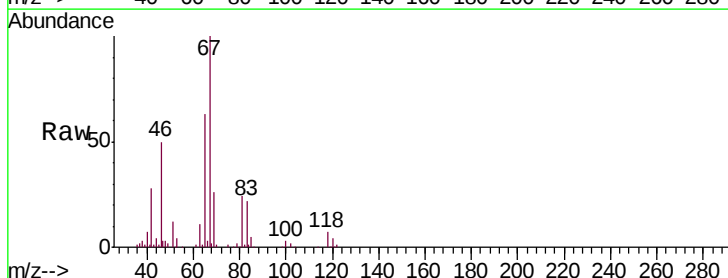
Acq: 25 Oct 2019 20:50

Tgt Ion: 63 Resp: 14098

Ion Ratio Lower Upper

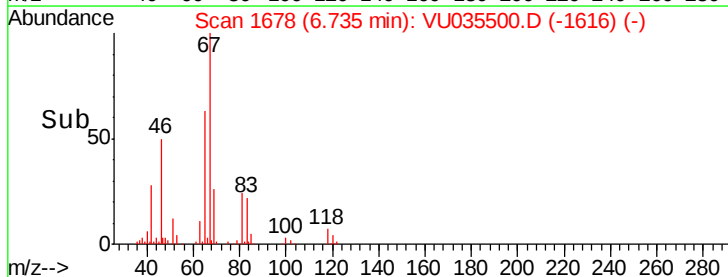
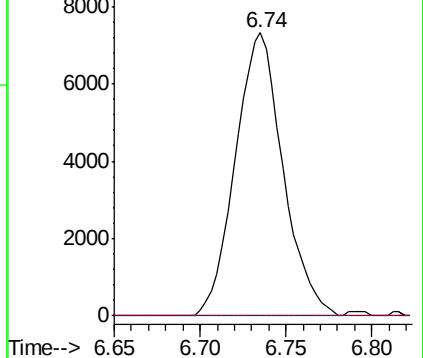
63 100

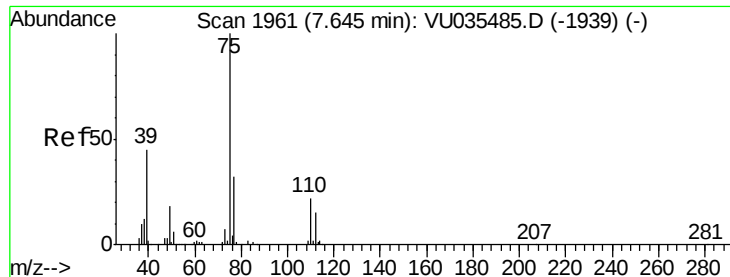
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU035500.D (-1678) (-)

Ion 112.10 (111.80 to 112.80): VU035500.D (-1678) (-)





#39

cis-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 7.61 min Scan# 1949

Delta R.T. -0.04 min

Lab File: VU035500.D

Acq: 25 Oct 2019 20:50

Instrument :

MSVOA\_U

ClientSampleId :

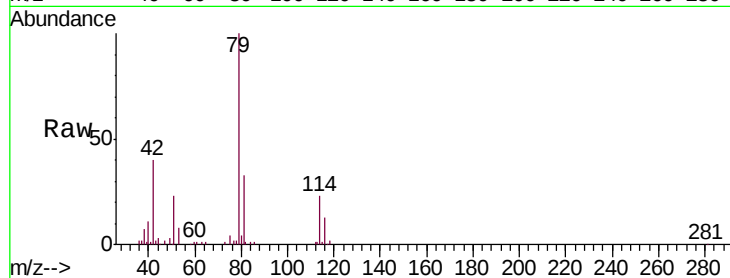
GAQ89

Tgt Ion: 75 Resp: 2772

Ion Ratio Lower Upper

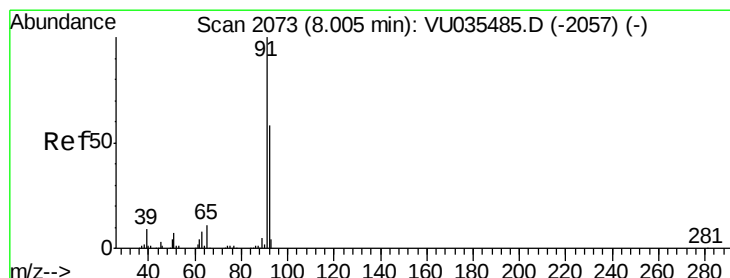
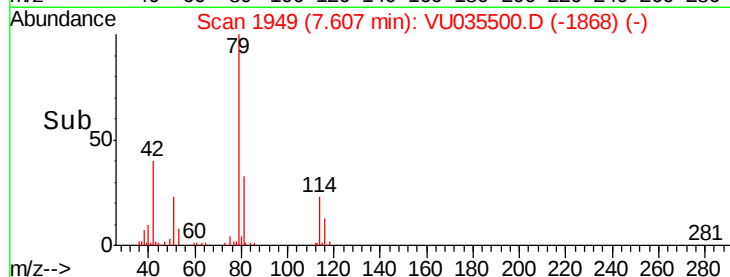
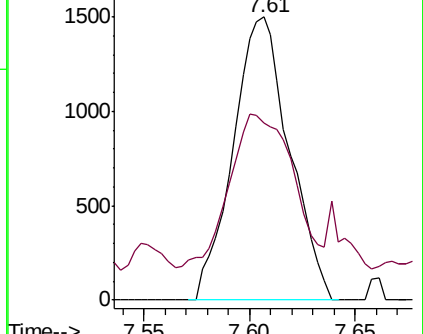
75 100

77 62.5 22.0 40.8#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#42

Toluene

Concen: 0.111 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035500.D

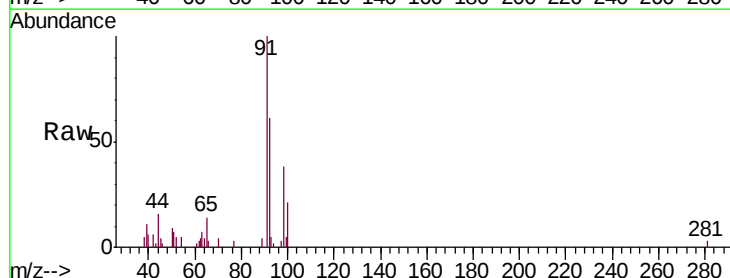
Acq: 25 Oct 2019 20:50

Tgt Ion: 91 Resp: 9776

Ion Ratio Lower Upper

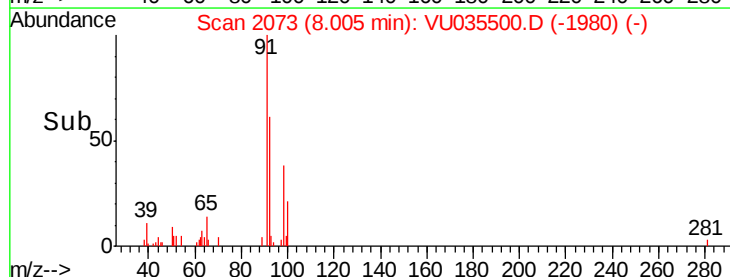
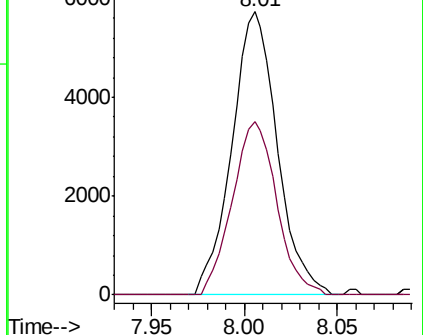
91 100

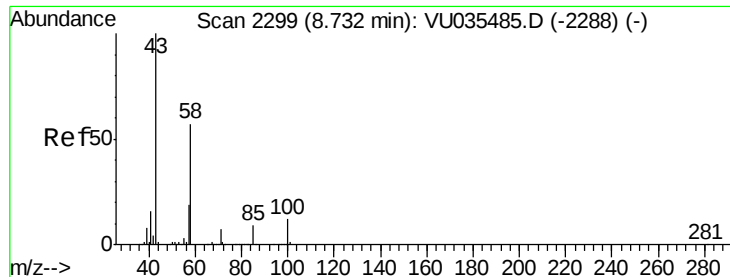
92 61.1 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

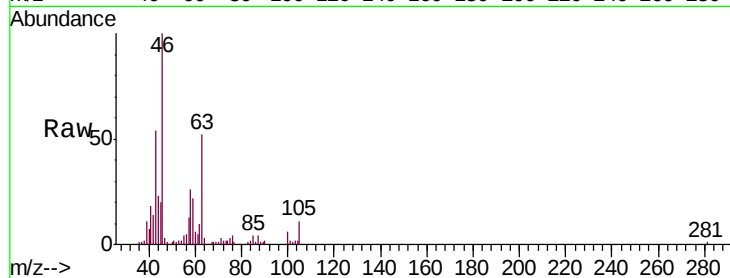




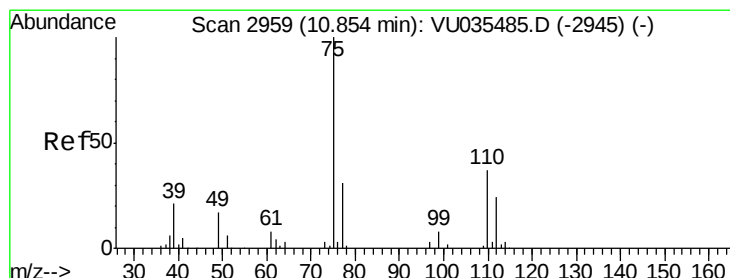
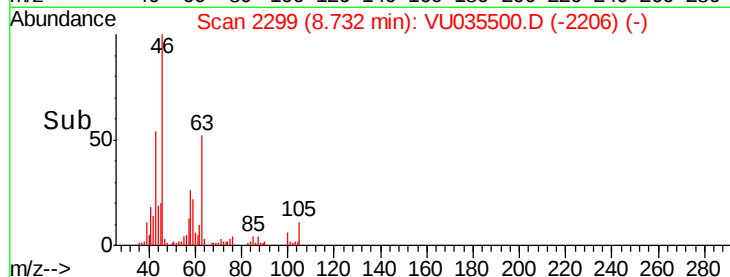
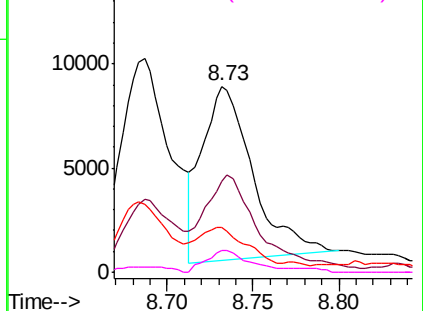
#48  
 2-Hexanone  
 Concen: 1.890 ug/L  
 RT: 8.73 min Scan# 2299  
 Delta R.T. -0.00 min  
 Lab File: VU035500.D  
 Acq: 25 Oct 2019 20:50

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAQ89

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 17127 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 57.9  | 43.1  | 64.7  |
| 57       | 21.2  | 14.2  | 21.2  |
| 100      | 12.4  | 9.0   | 13.4  |

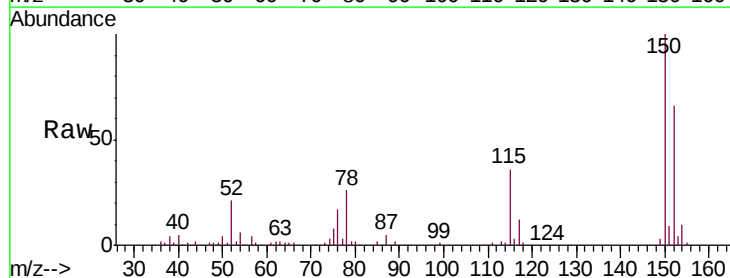


Abundance Ion 43.05 (42.75 to 43.75): VU035500.D (-2288) (-)  
 Ion 58.05 (57.75 to 58.75): VU035500.D (-2288) (-)  
 Ion 57.20 (56.90 to 57.90): VU035500.D (-2288) (-)  
 Ion 100.15 (99.85 to 100.85): VU035500.D (-2288) (-)



#59  
 1,2,3-Trichloropropane  
 Concen: 0.697 ug/L  
 RT: 11.84 min Scan# 3266  
 Delta R.T. 0.99 min  
 Lab File: VU035500.D  
 Acq: 25 Oct 2019 20:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 10168 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 37.6  | 27.4  | 41.0  |



Abundance Ion 75.00 (74.70 to 75.70): VU035500.D (-3266) (-)  
 Ion 77.00 (76.70 to 77.70): VU035500.D (-3266) (-)

