

Data File : VU029761.D  
Acq On : 01 Mar 2019 14:08  
Operator : JC/SP  
Sample : K1660-01  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
CWJY1

Quant Time: Mar 01 22:16:37 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR022119WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Mar 01 22:12:01 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 232154   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 223021   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 111232   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 89449    | 5.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 118.00% |
| 7) Chloroethane-d5             | 1.68   | 69    | 73754    | 5.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 103.40% |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 131508   | 4.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 80.80%  |
| 20) 2-Butanone-d5              | 4.19   | 46    | 184107   | 53.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 107.42% |
| 24) Chloroform-d               | 4.65   | 84    | 129366   | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 73591    | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 102.00% |
| 32) Benzene-d6                 | 5.34   | 84    | 317057   | 5.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 110.80% |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 93572    | 5.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 112.40% |
| 41) Toluene-d8                 | 7.56   | 98    | 290401   | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 103.60% |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 34518    | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 101.00% |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 179273   | 53.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 106.96% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 75430    | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 100.80% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 115030   | 5.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 105.20% |

#### Target Compounds

|                                |       |     |        |        | Qvalue |    |
|--------------------------------|-------|-----|--------|--------|--------|----|
| 5) Vinyl chloride              | 1.40  | 62  | 1623   | 0.082  | ug/L # | 1  |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 1460   | 0.081  | ug/L # | 17 |
| 12) 1,1-Dichloroethene         | 2.29  | 96  | 8737   | 0.507  | ug/L # | 1  |
| 13) Acetone                    | 2.32  | 43  | 7023   | 2.852  | ug/L   | 94 |
| 18) trans-1,2-Dichloroethene   | 2.98  | 96  | 1725   | 0.092  | ug/L # | 86 |
| 19) 1,1-Dichloroethane         | 3.44  | 63  | 10066  | 0.345  | ug/L   | 96 |
| 22) cis-1,2-Dichloroethene     | 4.22  | 96  | 211982 | 12.350 | ug/L   | 96 |
| 25) Chloroform                 | 4.67  | 83  | 17058  | 0.584  | ug/L   | 98 |
| 34) Trichloroethene            | 6.18  | 95  | 122478 | 7.444  | ug/L   | 98 |
| 35) Methylcyclohexane          | 6.33  | 83  | 21417  | 0.803  | ug/L # | 21 |
| 37) 1,2-Dichloropropane        | 6.33  | 63  | 9664   | 0.651  | ug/L # | 86 |
| 39) cis-1,3-Dichloropropene    | 7.23  | 75  | 2138   | 0.098  | ug/L # | 75 |
| 42) Toluene                    | 7.64  | 91  | 49969  | 0.747  | ug/L   | 97 |
| 48) 2-Hexanone                 | 8.31  | 43  | 18186  | 2.980  | ug/L # | 69 |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 11784  | 1.189  | ug/L   | 94 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU030119\  
Quantitation Report (Not Reviewed)

Data File : VU029761.D  
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Operator : JC/SP  
Sample : K1660-01  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
CWJY1

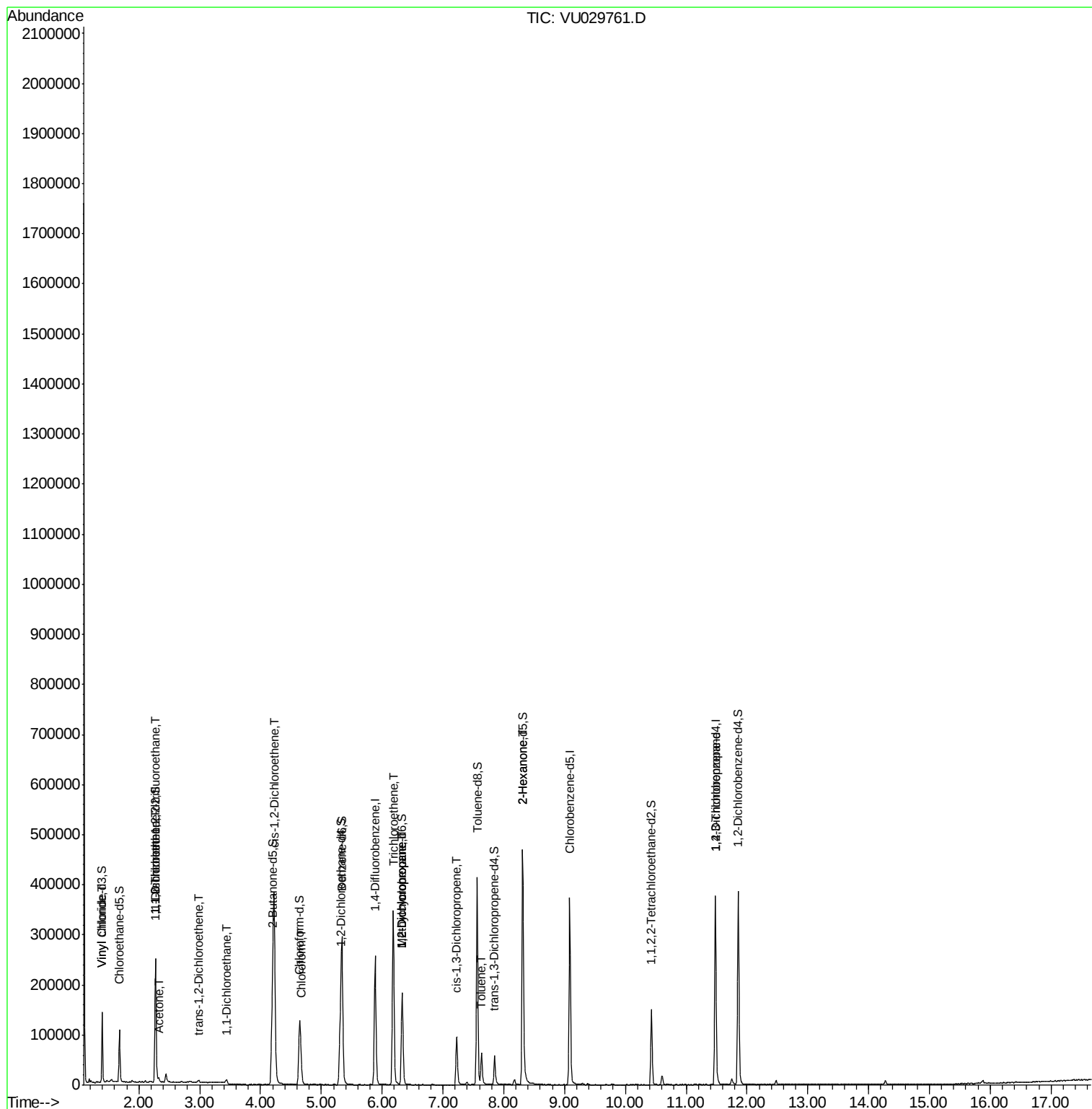
Quant Time: Mar 01 22:16:37 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR022119WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Mar 01 22:12:01 2019  
Response via : Initial Calibration

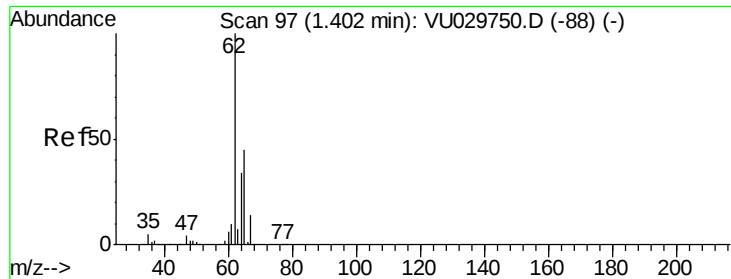
| Internal Standards                                                         | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.082 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029761.D

Acq: 01 Mar 2019 14:08

Instrument :

MSVOA\_U

ClientSampleId :

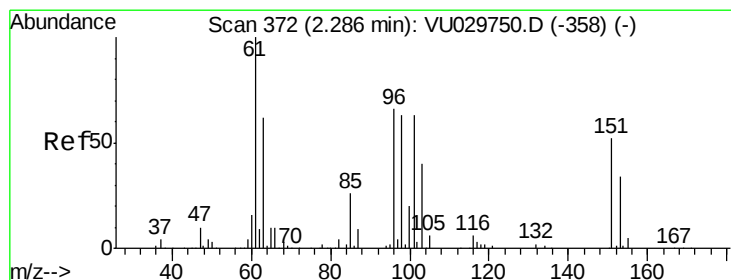
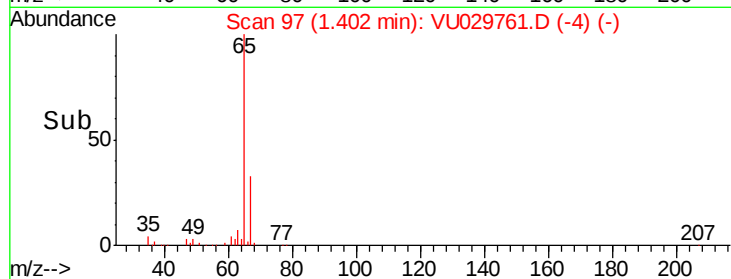
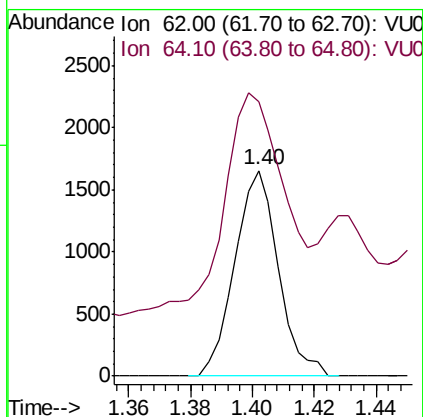
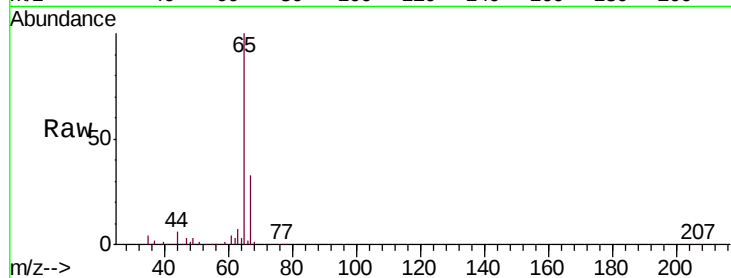
CWJY1

Tgt Ion: 62 Resp: 1623

Ion Ratio Lower Upper

62 100

64 133.5 24.8 46.1#



#10

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

Concen: 0.081 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029761.D

Acq: 01 Mar 2019 14:08

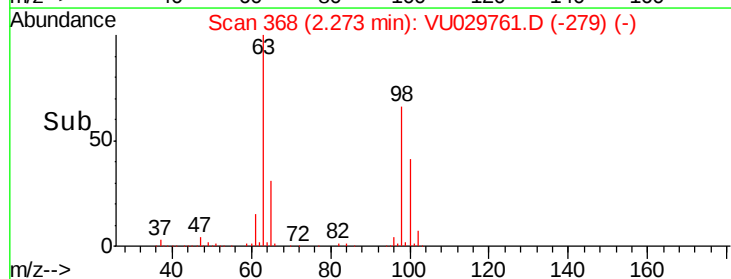
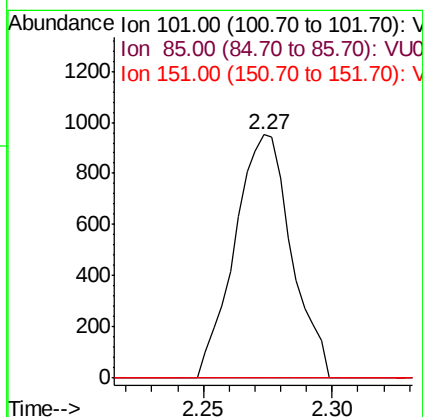
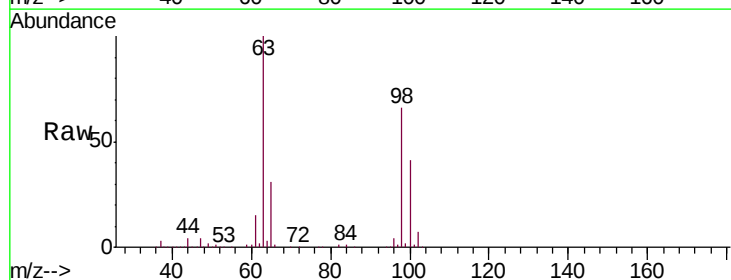
Tgt Ion: 101 Resp: 1460

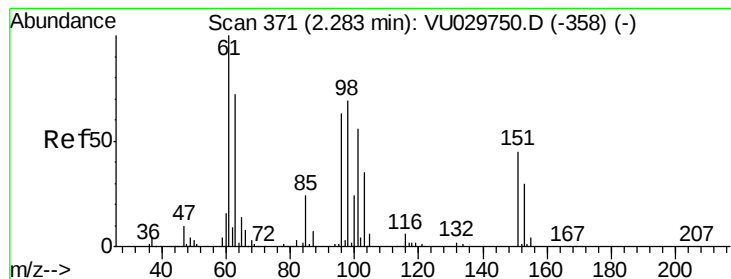
Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

151 0.0 65.9 98.9#





#12

1,1-Dichloroethene

Concen: 0.507 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029761.D

Acq: 01 Mar 2019 14:08

Instrument :

MSVOA\_U

ClientSampled :

CWJY1

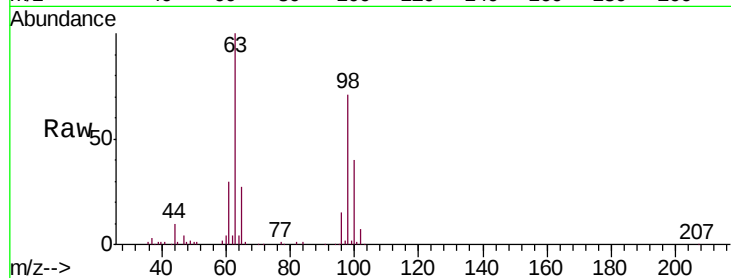
Tgt Ion: 96 Resp: 8737

Ion Ratio Lower Upper

96 100

61 202.2 111.3 206.7

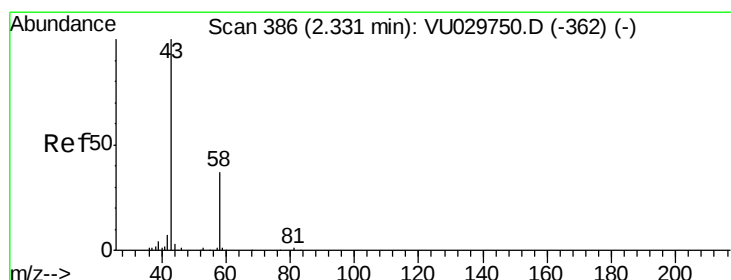
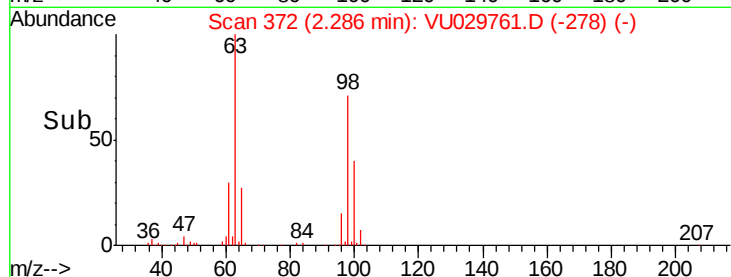
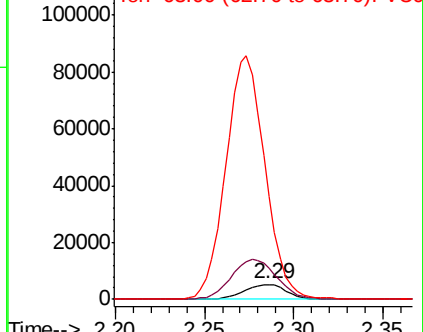
63 679.0 88.5 164.3#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 2.852 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.01 min

Lab File: VU029761.D

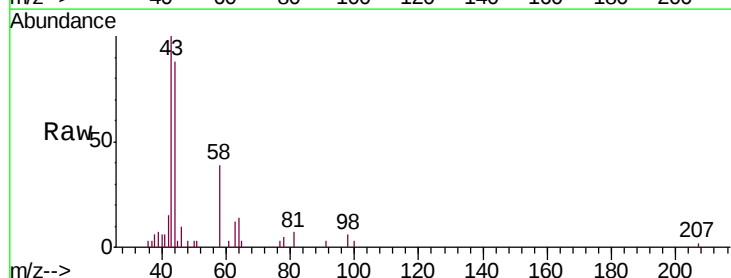
Acq: 01 Mar 2019 14:08

Tgt Ion: 43 Resp: 7023

Ion Ratio Lower Upper

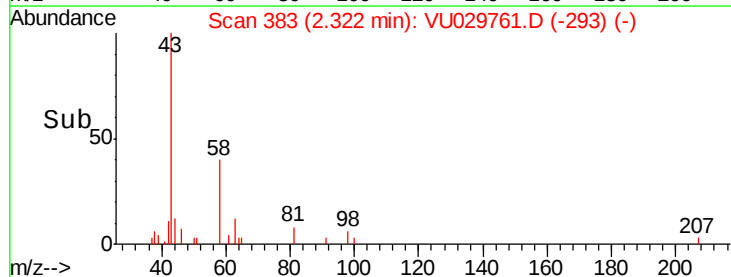
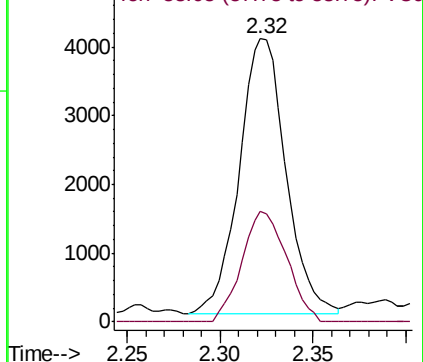
43 100

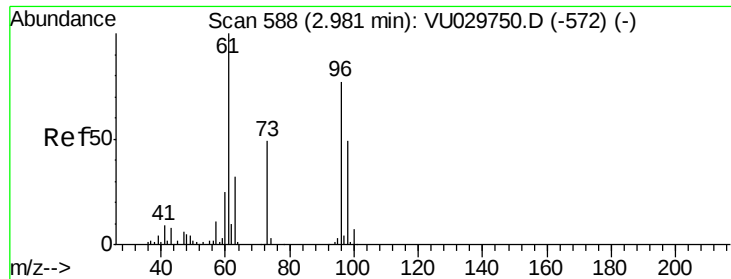
58 38.3 0.0 70.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

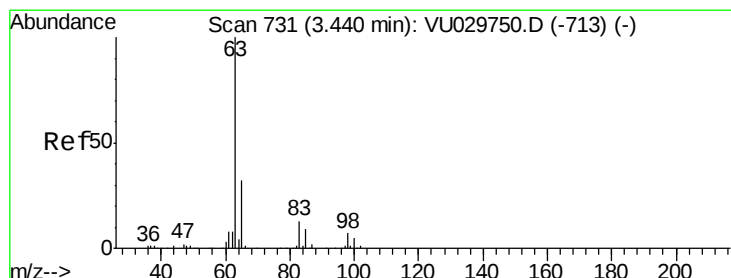
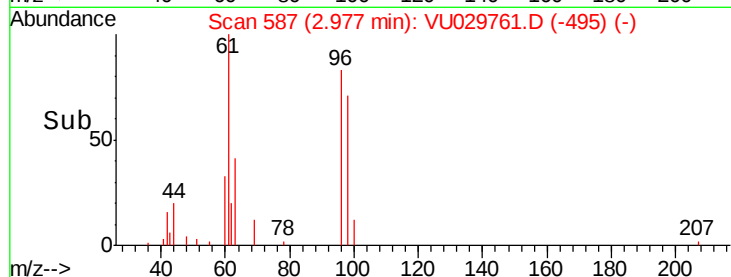
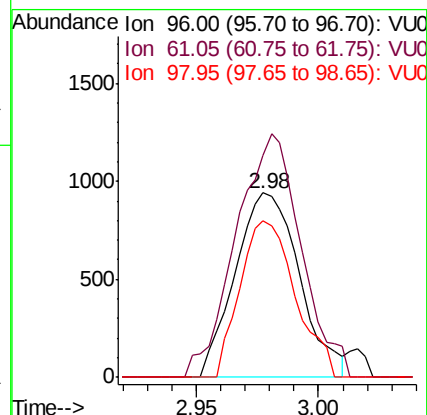
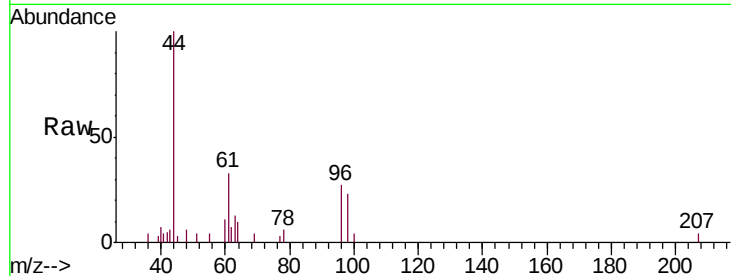




#18  
trans-1,2-Dichloroethene  
Concen: 0.092 ug/L  
RT: 2.98 min Scan# 587  
Delta R.T. -0.00 min  
Lab File: VU029761.D  
Acq: 01 Mar 2019 14:08

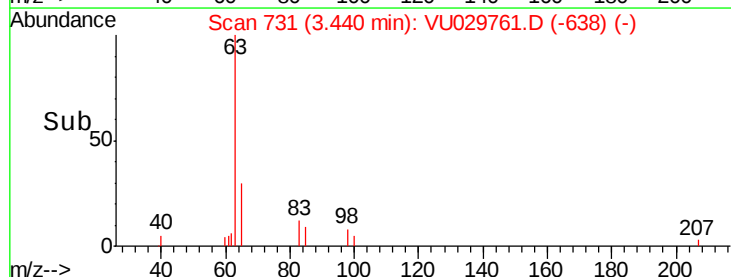
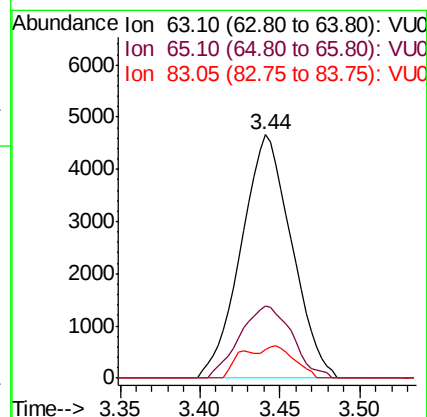
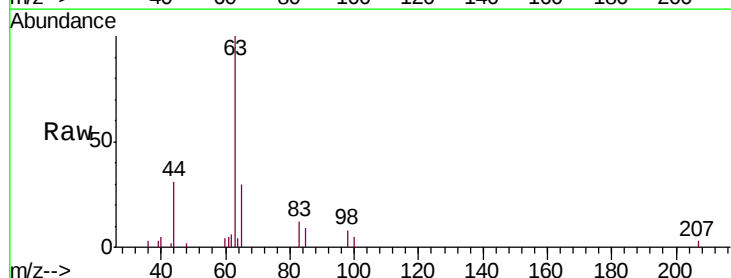
Instrument :  
MSVOA\_U  
ClientSampleId :  
CWJY1

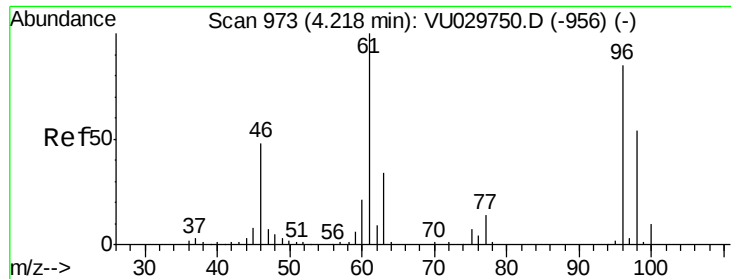
Tgt Ion: 96 Resp: 1725  
Ion Ratio Lower Upper  
96 100  
61 120.5 90.3 167.7  
98 85.0 45.2 84.0#



#19  
1,1-Dichloroethane  
Concen: 0.345 ug/L  
RT: 3.44 min Scan# 731  
Delta R.T. 0.00 min  
Lab File: VU029761.D  
Acq: 01 Mar 2019 14:08

Tgt Ion: 63 Resp: 10066  
Ion Ratio Lower Upper  
63 100  
65 29.8 22.3 41.5  
83 11.7 9.9 18.5



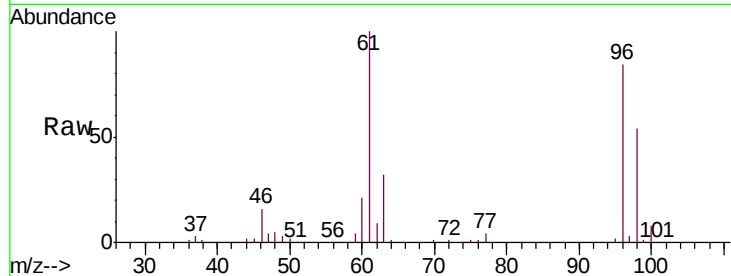


#22

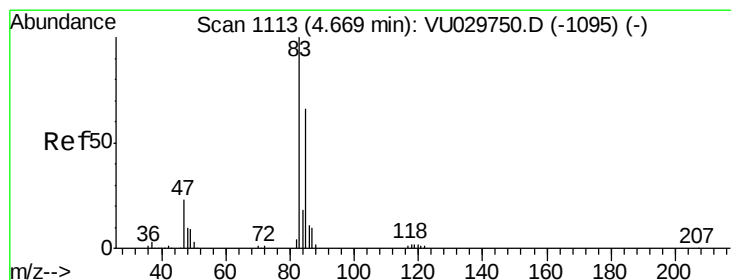
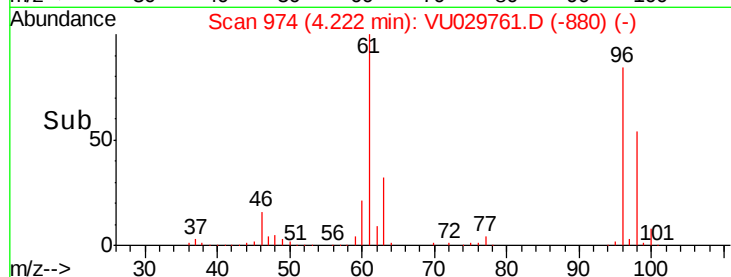
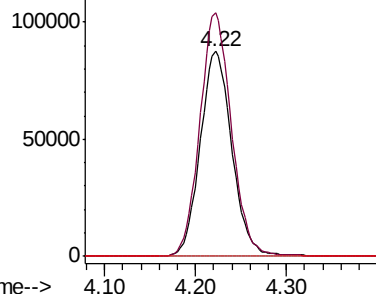
cis-1,2-Dichloroethene  
 Concen: 12.350 ug/L  
 RT: 4.22 min Scan# 974  
 Delta R.T. 0.00 min  
 Lab File: VU029761.D  
 Acq: 01 Mar 2019 14:08

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 CWJY1

Tgt Ion: 96 Resp: 211982  
 Ion Ratio Lower Upper  
 96 100  
 61 118.7 80.2 149.0  
 68 0.0 0.0 0.0



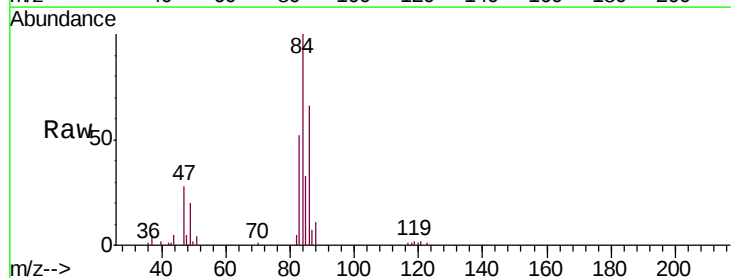
Abundance Ion 96.00 (95.70 to 96.70): VU0  
 Ion 61.05 (60.75 to 61.75): VU0  
 Ion 68.15 (67.85 to 68.85): VU0



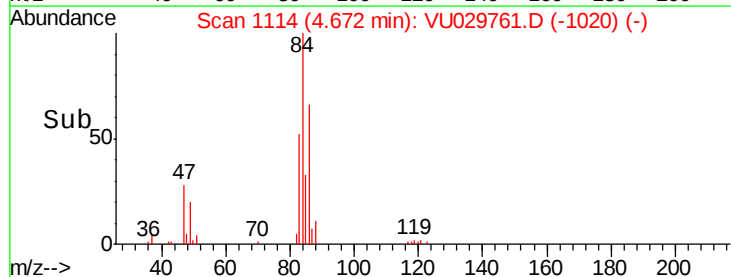
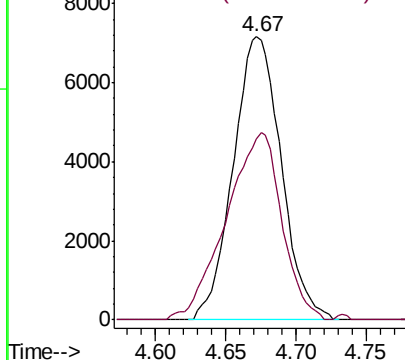
#25

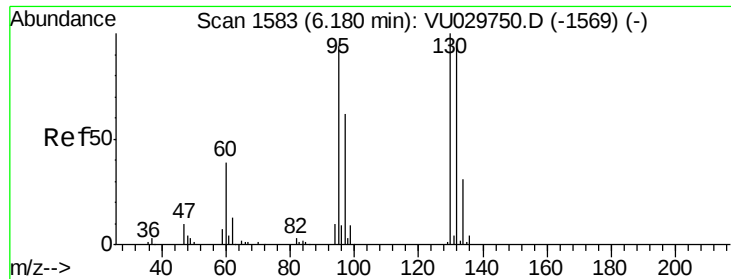
Chloroform  
 Concen: 0.584 ug/L  
 RT: 4.67 min Scan# 1114  
 Delta R.T. 0.00 min  
 Lab File: VU029761.D  
 Acq: 01 Mar 2019 14:08

Tgt Ion: 83 Resp: 17058  
 Ion Ratio Lower Upper  
 83 100  
 85 63.8 45.6 84.6



Abundance Ion 83.05 (82.75 to 83.75): VU0  
 Ion 85.00 (84.70 to 85.70): VU0

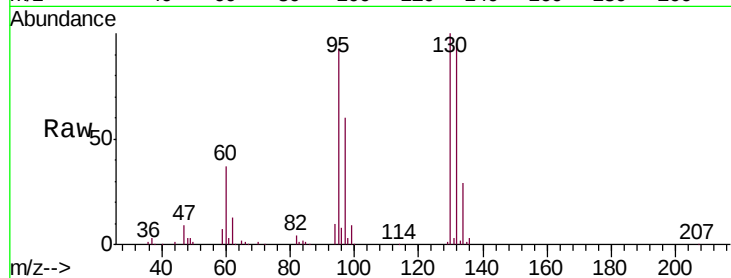




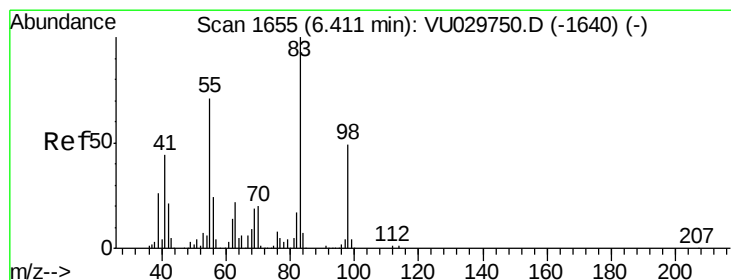
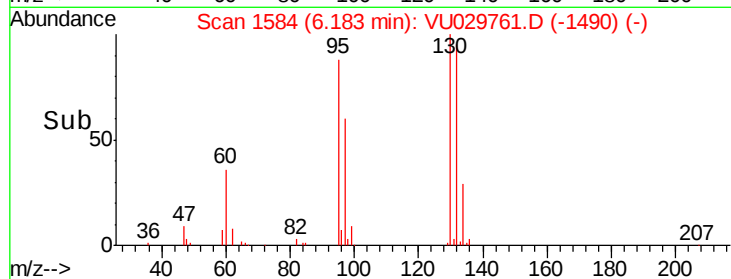
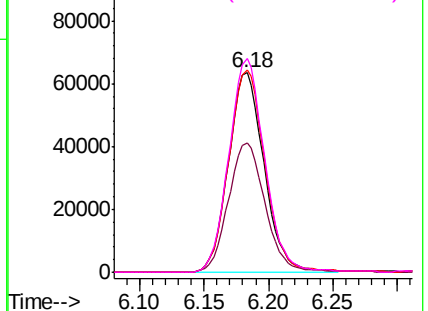
#34  
 Trichloroethene  
 Concen: 7.444 ug/L  
 RT: 6.18 min Scan# 1584  
 Delta R.T. 0.00 min  
 Lab File: VU029761.D  
 Acq: 01 Mar 2019 14:08

Instrument :  
 MSVOA\_U  
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 CWJY1

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 122478 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 97       | 64.7  | 45.6  | 84.8   |
| 132      | 101.8 | 72.9  | 135.3  |
| 130      | 107.3 | 77.5  | 143.9  |

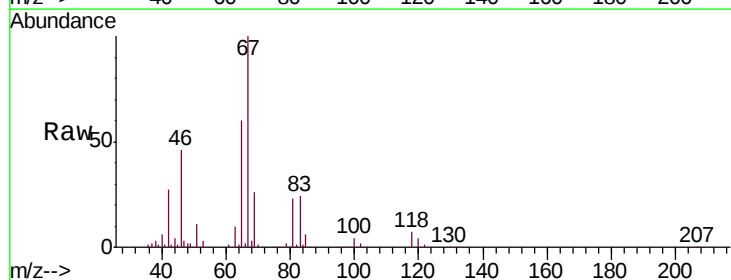


Abundance Ion 95.00 (94.70 to 95.70): VU0  
 Ion 96.95 (96.65 to 97.65): VU0  
 Ion 131.95 (131.65 to 132.65): V  
 Ion 129.95 (129.65 to 130.65): V

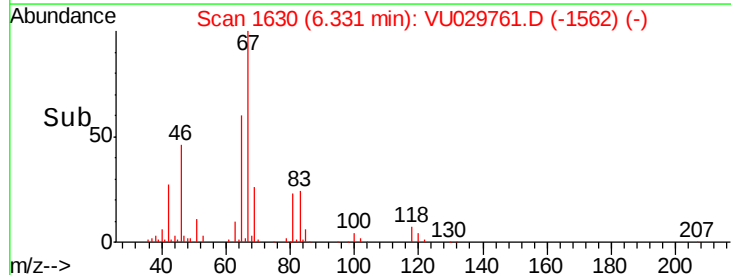
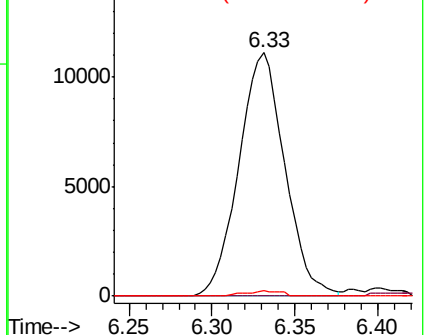


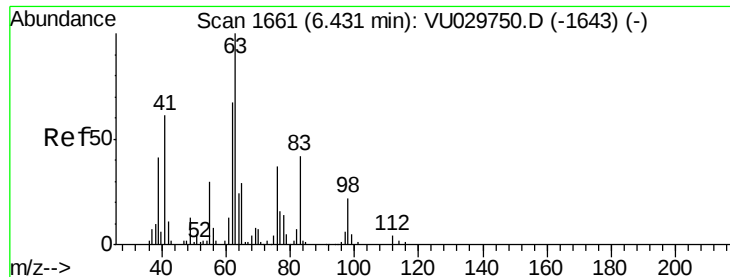
#35  
 Methylcyclohexane  
 Concen: 0.803 ug/L  
 RT: 6.33 min Scan# 1630  
 Delta R.T. -0.08 min  
 Lab File: VU029761.D  
 Acq: 01 Mar 2019 14:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 21417 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.6   | 56.5  | 84.7# |
| 98       | 1.7   | 39.4  | 59.2# |



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: 0.651 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.10 min

Lab File: VU029761.D

Acq: 01 Mar 2019 14:08

Instrument :

MSVOA\_U

ClientSampleId :

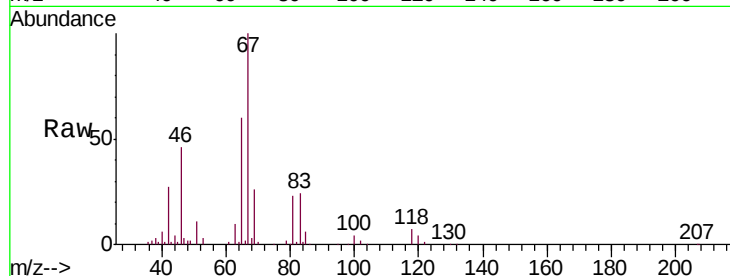
CWJY1

Tgt Ion: 63 Resp: 9664

Ion Ratio Lower Upper

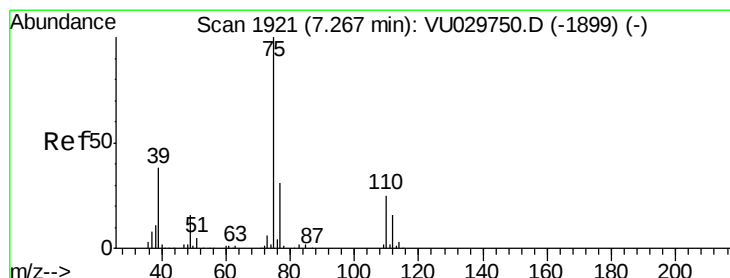
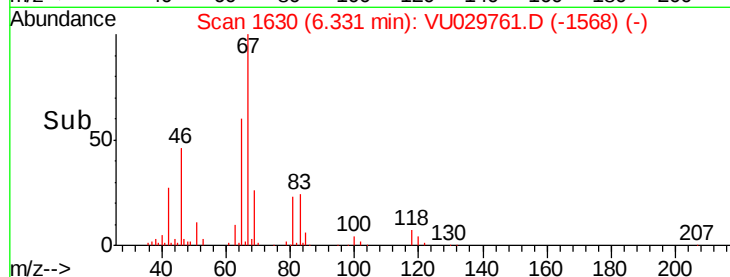
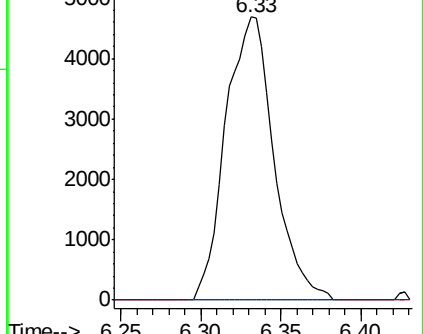
63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#39

cis-1,3-Dichloropropene

Concen: 0.098 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU029761.D

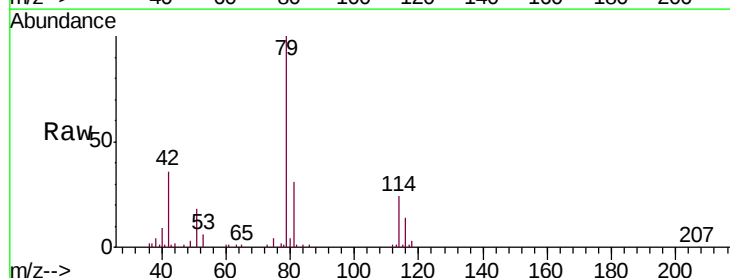
Acq: 01 Mar 2019 14:08

Tgt Ion: 75 Resp: 2138

Ion Ratio Lower Upper

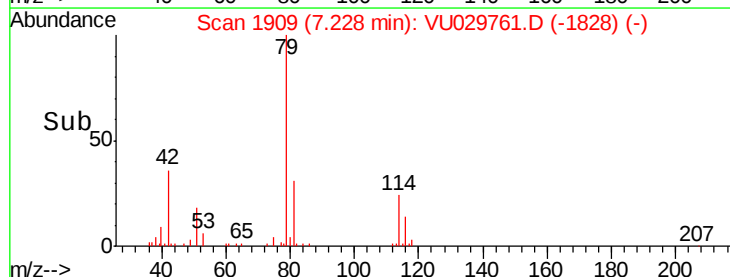
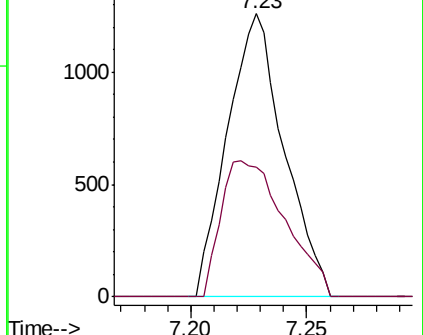
75 100

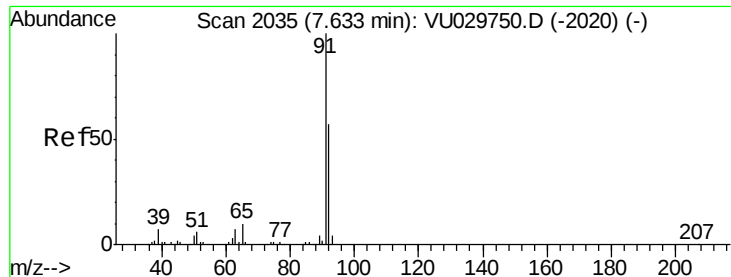
77 46.1 22.3 41.5#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#42

Toluene

Concen: 0.747 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029761.D

Acq: 01 Mar 2019 14:08

Instrument :

MSVOA\_U

ClientSampleId :

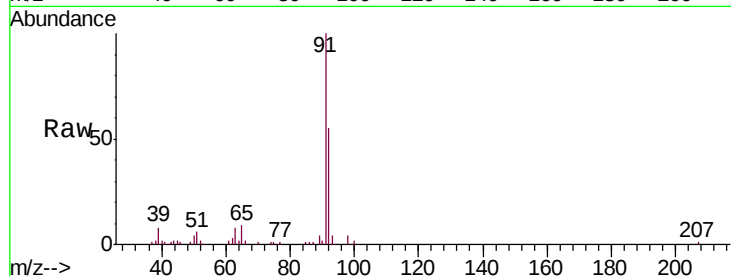
CWJY1

Tgt Ion: 91 Resp: 49969

Ion Ratio Lower Upper

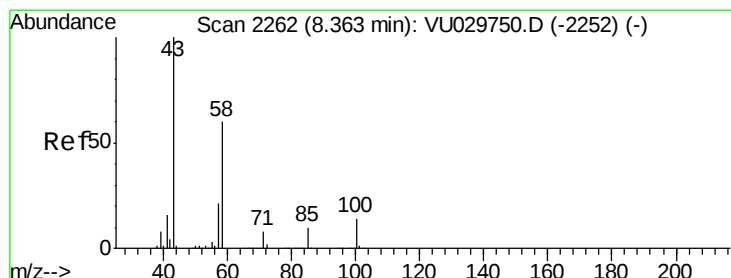
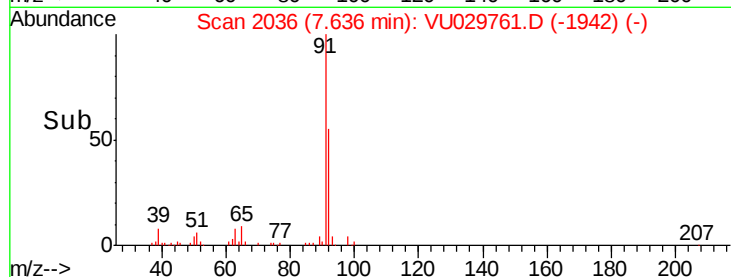
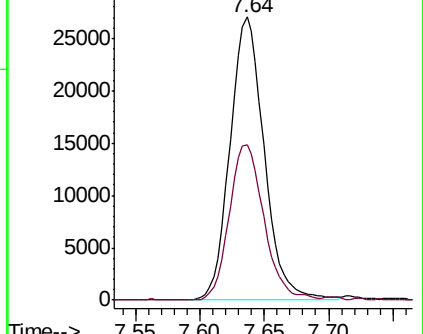
91 100

92 54.8 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#48

2-Hexanone

Concen: 2.980 ug/L

RT: 8.31 min Scan# 2246

Delta R.T. -0.05 min

Lab File: VU029761.D

Acq: 01 Mar 2019 14:08

Tgt Ion: 43 Resp: 18186

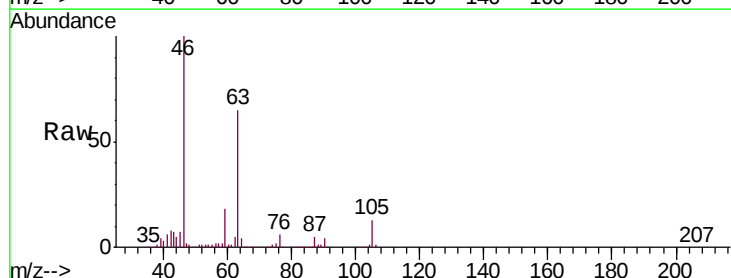
Ion Ratio Lower Upper

43 100

58 31.6 46.6 69.8#

57 27.1 15.9 23.9#

100 0.6 11.4 17.2#

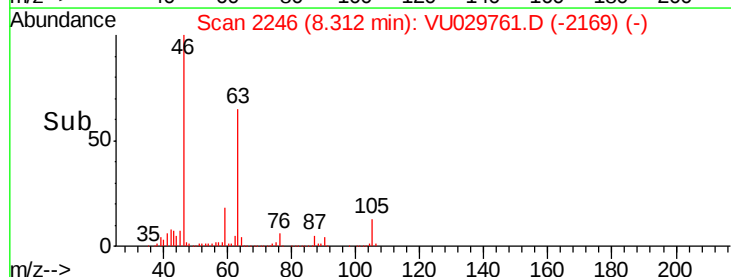
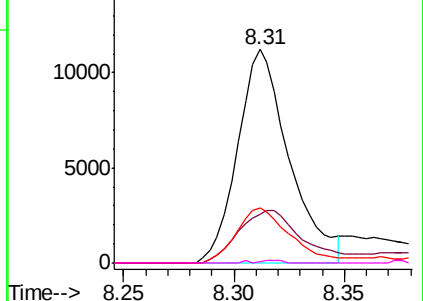


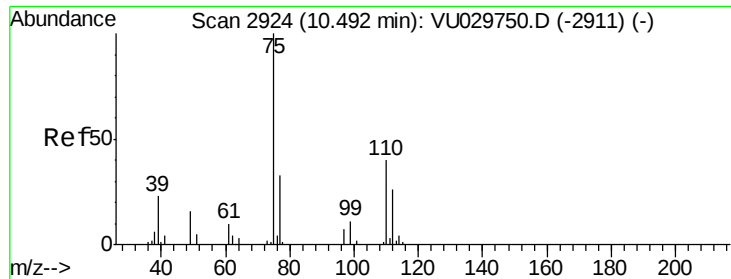
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#59

1,2,3-Trichloropropane

Concen: 1.189 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029761.D

Acq: 01 Mar 2019 14:08

Instrument :

MSVOA\_U

ClientSampleId :

CWJY1

Tgt Ion: 75 Resp: 11784

Ion Ratio Lower Upper

75 100

77 35.1 25.6 38.4

