

Data File : VU033371.D  
Acq On : 23 Jul 2019 10:33  
Operator : JC/SP  
Sample : K3591-08  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

Quant Time: Jul 24 02:50:05 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\524U072219DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Wed Jul 24 02:46:51 2019  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
| 1) Fluorobenzene   | 5.72 | 96   | 28253    | 1.00 | ug/l  | 0.00     |

|                             |       |     |          |      |        |      |
|-----------------------------|-------|-----|----------|------|--------|------|
| System Monitoring Compounds |       |     |          |      |        |      |
| 57) 4-Bromofluorobenzene    | 10.30 | 95  | 10246    | 0.92 | ug/l   | 0.00 |
| Spiked Amount 1.000         |       |     | Recovery | =    | 92.00% |      |
| 68) 1,2-Dichlorobenzene-d4  | 11.85 | 152 | 10455    | 0.91 | ug/l   | 0.00 |
| Spiked Amount 1.000         |       |     | Recovery | =    | 91.00% |      |

| Target Compounds              | R.T. | QIon | Response | Conc  | Units  | Qvalue |
|-------------------------------|------|------|----------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85   | 6421     | 0.550 | ug/l   | 96     |
| 3) Chloromethane              | 1.32 | 50   | 7524     | 0.583 | ug/l   | 95     |
| 4) Vinyl Chloride             | 1.40 | 62   | 7780     | 0.541 | ug/l   | 97     |
| 5) Bromomethane               | 1.62 | 94   | 5664     | 0.625 | ug/l   | 96     |
| 6) Chloroethane               | 1.69 | 64   | 5066     | 0.501 | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 1.87 | 101  | 10223    | 0.517 | ug/l   | 96     |
| 8) 1,1,2-Trichloro-1,2,2-trif | 2.27 | 101  | 5519     | 0.541 | ug/l   | 98     |
| 9) 1,1-Dichloroethene         | 2.27 | 96   | 5571     | 0.555 | ug/l   | 96     |
| 10) Iodomethane               | 2.40 | 142  | 4828     | 0.358 | ug/l   | 97     |
| 11) Allyl Chloride            | 2.58 | 41   | 8885     | 0.536 | ug/l   | 94     |
| 12) Acrylonitrile             | 2.92 | 53   | 2899     | 1.034 | ug/l # | 89     |
| 13) Acetone                   | 2.31 | 43   | 6678     | 2.793 | ug/l   | 92     |
| 14) Carbon Disulfide          | 2.46 | 76   | 20358    | 0.534 | ug/l   | 96     |
| 15) Methylene Chloride        | 2.68 | 84   | 8098     | 0.598 | ug/l   | 97     |
| 16) trans-1,2-Dichloroethene  | 2.96 | 96   | 6678     | 0.560 | ug/l   | 98     |
| 17) 1,1-Dichloroethane        | 3.42 | 63   | 8549     | 0.534 | ug/l   | 98     |
| 18) 2-Butanone                | 4.27 | 43   | 5004     | 2.193 | ug/l   | 91     |
| 19) Cyclohexane               | 4.96 | 56   | 5282     | 0.450 | ug/l # | 94     |
| 20) Methylcyclohexane         | 6.40 | 83   | 5815     | 0.492 | ug/l   | 97     |
| 21) 2,2-Dichloropropane       | 4.21 | 77   | 8195     | 0.604 | ug/l # | 84     |
| 22) cis-1,2-Dichloroethene    | 4.20 | 96   | 4739     | 0.525 | ug/l   | 92     |
| 23) Diethyl Ether             | 2.09 | 59   | 4292     | 0.496 | ug/l   | 94     |
| 24) tert-Butyl Alcohol        | 2.82 | 59   | 6567     | 4.939 | ug/l # | 89     |
| 25) Methyl tert-Butyl Ether   | 2.98 | 73   | 14512    | 0.502 | ug/l   | 97     |
| 26) Bromochloromethane        | 4.52 | 128  | 2005     | 0.505 | ug/l   | 93     |
| 27) Chloroform                | 4.65 | 83   | 11302    | 0.618 | ug/l   | 92     |
| 28) 1,1,1-Trichloroethane     | 4.89 | 97   | 7784     | 0.550 | ug/l   | 97     |
| 29) 1,1-Dichloropropene       | 5.11 | 75   | 6179     | 0.529 | ug/l   | 95     |
| 30) Carbon Tetrachloride      | 5.11 | 117  | 6499     | 0.522 | ug/l   | 92     |
| 31) Isopropyl Ether           | 3.55 | 45   | 10513    | 0.520 | ug/l   | 99     |
| 32) Ethyl-t-butyl ether       | 4.04 | 59   | 9911     | 0.510 | ug/l   | 97     |
| 33) Tert-Amyl methyl ether    | 5.56 | 73   | 8098     | 0.463 | ug/l   | 96     |
| 34) Propionitrile             | 4.35 | 54   | 1228     | 1.876 | ug/l # | 61     |
| 35) Benzene                   | 5.37 | 78   | 17268    | 0.512 | ug/l   | 96     |
| 36) 1,2-Dichloroethane        | 5.39 | 62   | 5740     | 0.511 | ug/l   | 96     |
| 37) Trichloroethene           | 6.16 | 130  | 4838     | 0.543 | ug/l   | 93     |
| 38) 1,2-Dichloropropane       | 6.41 | 63   | 4500     | 0.483 | ug/l # | 83     |
| 39) Methacrylonitrile         | 4.53 | 41   | 531      | 0.204 | ug/l # | 32     |
| 40) Methyl acrylate           | 4.42 | 55   | 1621     | 0.401 | ug/l # | 73     |
| 41) Tetrahydrofuran           | 4.63 | 42   | 1310     | 1.005 | ug/l # | 33     |
| 42) 1-Chlorobutane            | 5.04 | 56   | 7149     | 0.457 | ug/l   | 84     |

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Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

Quant Time: Jul 24 02:50:05 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\524U072219DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Wed Jul 24 02:46:51 2019  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 43) Dibromomethane             | 6.54  | 93   | 2399     | 0.466 | ug/l   | 92       |
| 44) Bromodichloromethane       | 6.74  | 83   | 6445     | 0.519 | ug/l   | 100      |
| 45) 4-Methyl-2-Pentanone       | 7.45  | 43   | 12152    | 2.312 | ug/l # | 90       |
| 46) t-1,4-Dichloro-2-butene    | 10.48 | 75   | 2869     | 1.353 | ug/l # | 70       |
| 47) Methyl methacrylate        | 6.62  | 69   | 2873     | 0.731 | ug/l # | 83       |
| 48) Ethyl methacrylate         | 8.01  | 69   | 3131     | 0.452 | ug/l   | 89       |
| 49) Toluene                    | 7.62  | 92   | 9122     | 0.472 | ug/l   | 93       |
| 50) t-1,3-Dichloropropene      | 7.87  | 75   | 4596     | 0.443 | ug/l   | 96       |
| 51) cis-1,3-Dichloropropene    | 7.25  | 75   | 5843     | 0.478 | ug/l   | 95       |
| 52) 1,1,2-Trichloroethane      | 8.05  | 97   | 3453     | 0.501 | ug/l   | 91       |
| 53) 1,3-Dichloropropane        | 8.23  | 76   | 5522     | 0.474 | ug/l   | 98       |
| 54) 2-Hexanone                 | 8.36  | 43   | 7337     | 1.983 | ug/l   | 90       |
| 55) Dibromochloromethane       | 8.46  | 129  | 3982     | 0.495 | ug/l   | 94       |
| 56) 1,2-Dibromoethane          | 8.58  | 107  | 2871     | 0.447 | ug/l   | 96       |
| 58) Tetrachloroethene          | 8.21  | 164  | 3629     | 0.449 | ug/l # | 88       |
| 59) Chlorobenzene              | 9.10  | 112  | 10736    | 0.485 | ug/l   | 96       |
| 60) 1,1,1,2-Tetrachloroethane  | 9.19  | 131  | 3901     | 0.464 | ug/l   | 90       |
| 61) Pentachloroethane          | 11.09 | 117  | 3735     | 0.541 | ug/l   | 90       |
| 62) Hexachloroethane           | 12.13 | 117  | 3342     | 0.500 | ug/l   | 98       |
| 63) Ethyl Benzene              | 9.23  | 91   | 15395    | 0.433 | ug/l   | 98       |
| 64) m/p-Xylenes                | 9.36  | 106  | 11762    | 0.827 | ug/l   | 93       |
| 65) o-Xylene                   | 9.76  | 106  | 5381     | 0.395 | ug/l   | 90       |
| 66) Styrene                    | 9.78  | 104  | 8687     | 0.376 | ug/l   | 97       |
| 67) Bromoform                  | 9.94  | 173  | 2033     | 0.467 | ug/l # | 67       |
| 69) Isopropylbenzene           | 10.15 | 105  | 14289    | 0.409 | ug/l   | 97       |
| 70) 1,1,2,2-Tetrachloroethane  | 10.44 | 83   | 4204     | 0.461 | ug/l # | 94       |
| 71) 1,2,3-Trichloropropane     | 10.48 | 75   | 2869     | 0.407 | ug/l # | 89       |
| 72) Bromobenzene               | 10.44 | 156  | 4149     | 0.449 | ug/l   | 88       |
| 73) n-propylbenzene            | 10.57 | 120  | 4090     | 0.411 | ug/l   | 100      |
| 74) 2-Chlorotoluene            | 10.64 | 126  | 4284     | 0.471 | ug/l   | 85       |
| 75) 1,3,5-Trimethylbenzene     | 10.76 | 105  | 12235    | 0.390 | ug/l   | 97       |
| 76) 4-Chlorotoluene            | 10.76 | 126  | 3829     | 0.404 | ug/l   | 98       |
| 77) tert-Butylbenzene          | 11.09 | 119  | 13260    | 0.446 | ug/l   | 97       |
| 78) 1,2,4-Trimethylbenzene     | 11.13 | 105  | 11953    | 0.373 | ug/l   | 97       |
| 79) sec-Butylbenzene           | 11.31 | 105  | 16530    | 0.404 | ug/l   | 99       |
| 81) p-Isopropyltoluene         | 11.46 | 119  | 12764    | 0.384 | ug/l   | 97       |
| 82) 1,3-Dichlorobenzene        | 11.40 | 146  | 8807     | 0.449 | ug/l   | 96       |
| 83) 1,4-Dichlorobenzene        | 11.49 | 146  | 8702     | 0.448 | ug/l   | 96       |
| 84) n-Butylbenzene             | 11.87 | 91   | 13365    | 0.392 | ug/l   | 96       |
| 85) 1,2-Dichlorobenzene        | 11.86 | 146  | 8816     | 0.479 | ug/l   | 93       |
| 86) 1,2-Dibromo-3-Chloropropan | 12.65 | 75   | 695      | 0.484 | ug/l # | 78       |
| 87) 1,2,4-Trichlorobenzene     | 13.49 | 180  | 4773     | 0.436 | ug/l   | 89       |
| 88) Hexachlorobutadiene        | 13.68 | 225  | 3392     | 0.502 | ug/l   | 94       |
| 89) Naphthalene                | 13.74 | 128  | 6411     | 0.336 | ug/l   | 95       |
| 90) 1,2,3-Trichlorobenzene     | 13.98 | 180  | 4408     | 0.415 | ug/l   | 90       |

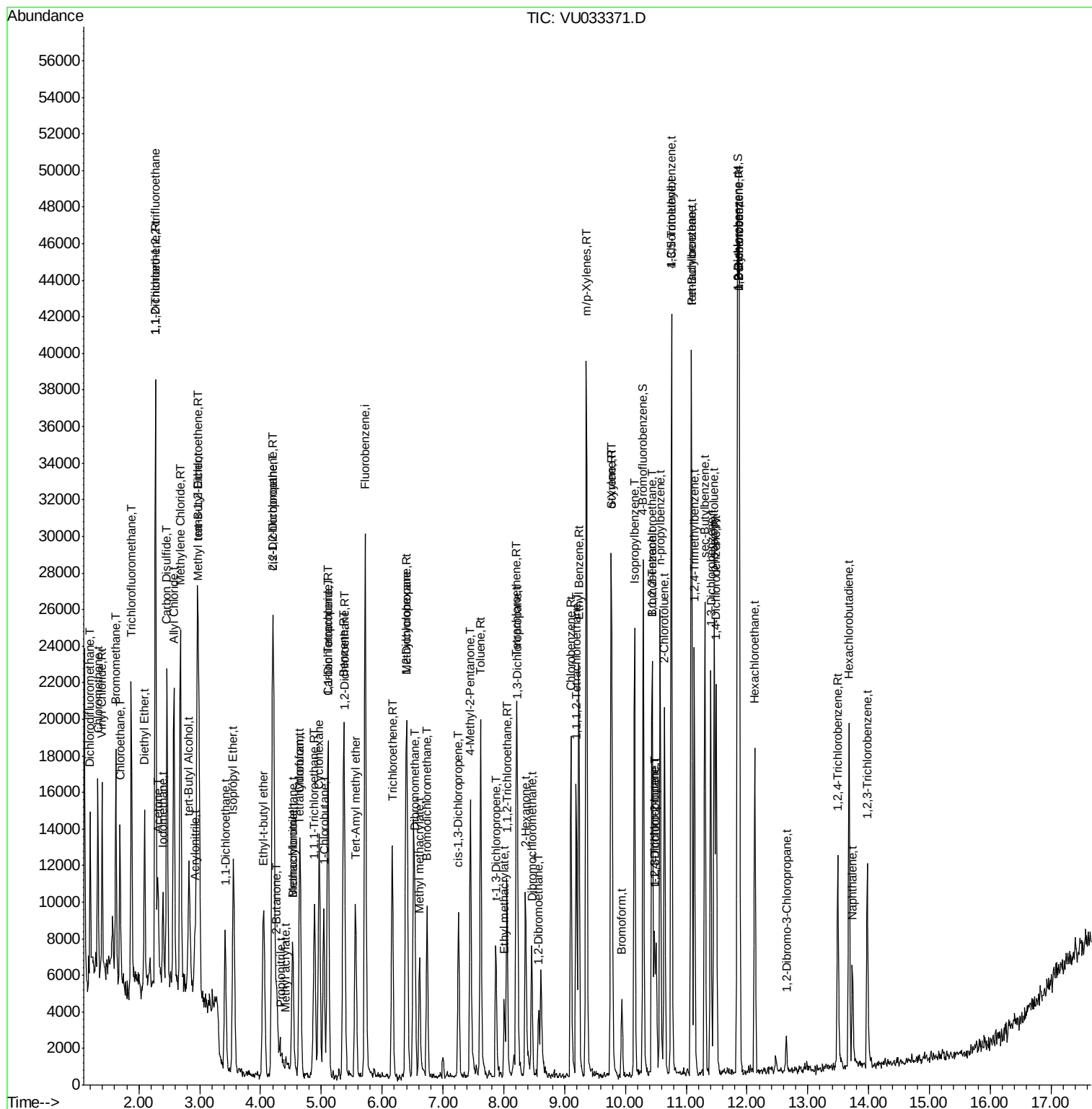
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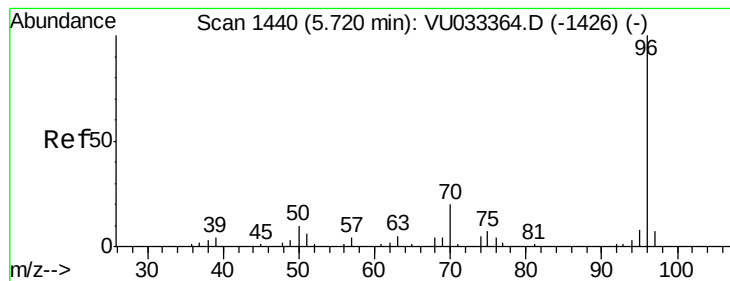
Data File : VU033371.D

```
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Operator     : JC/SP
Sample       : K3591-08
Misc         : 25.0mL/MSVOA_U/WATER
ALS Vial     : 3      Sample Multiplier: 1
```

**Instrument :**  
MSVOA\_U  
**ClientSampleId :**  
LOO-WATER-02-OT3-2019

Quant Time: Jul 24 02:50:05 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A\_U\METHOD\524U072219DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Wed Jul 24 02:46:51 2019  
Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

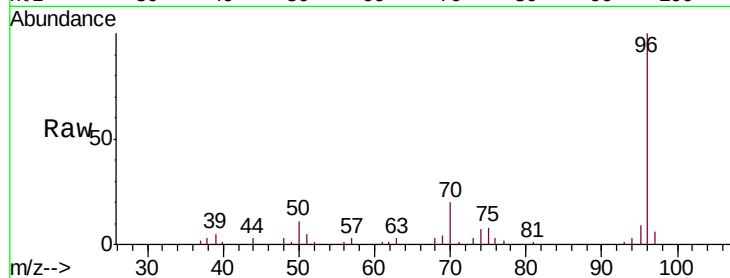
Instrument :

MSVOA\_U

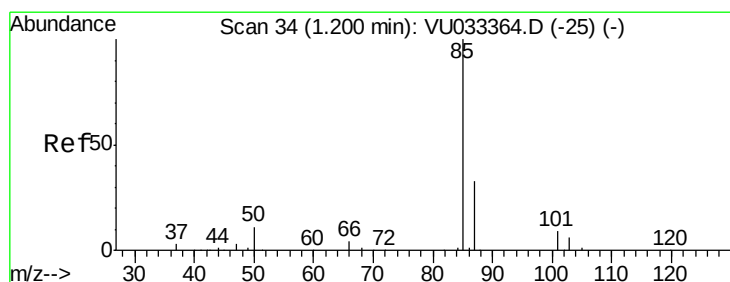
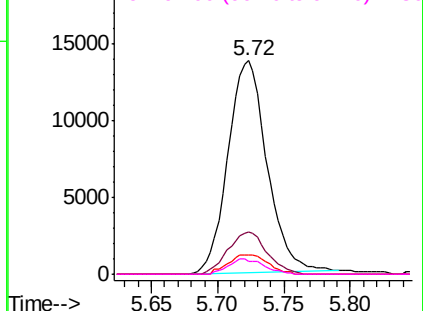
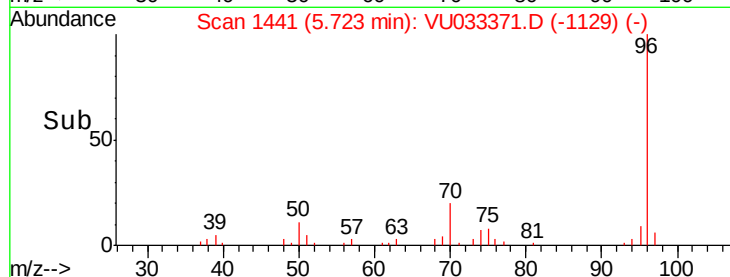
ClientSampleId :

LOQ-WATER-02-QT3-2019

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 28253 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 70       | 19.9  | 16.4  | 24.6  |
| 95       | 9.4   | 6.7   | 10.1  |
| 97       | 6.5   | 0.0   | 0.0#  |



Abundance Ion 96.00 (95.70 to 96.70): VU033371.D (-1129) (-)



#2

Dichlorodifluoromethane

Concen: 0.550 ug/l

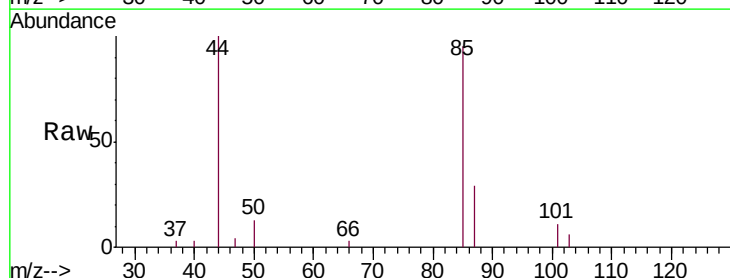
RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

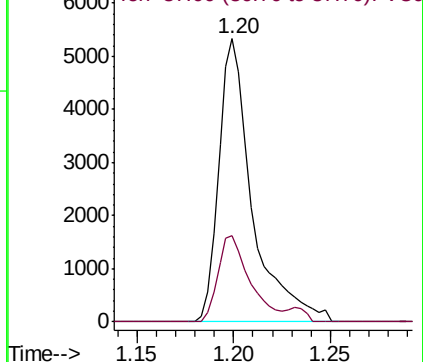
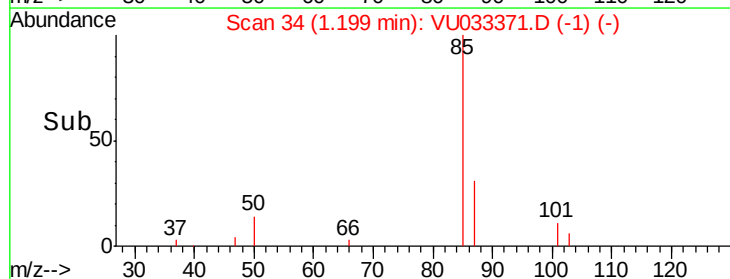
Lab File: VU033371.D

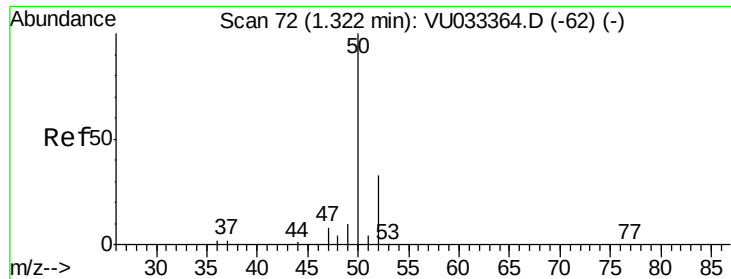
Acq: 23 Jul 2019 10:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 85    | Resp: | 6421  |
| Ion      | Ratio | Lower | Upper |
| 85       | 100   |       |       |
| 87       | 30.6  | 16.6  | 49.7  |



Abundance Ion 85.00 (84.70 to 85.70): VU033371.D (-1) (-)





#3

Chloromethane

Concen: 0.583 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

Instrument :

MSVOA\_U

ClientSampleId :

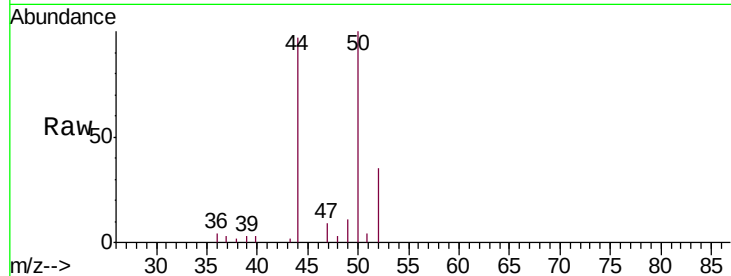
LOQ-WATER-02-QT3-2019

Tgt Ion: 50 Resp: 7524

Ion Ratio Lower Upper

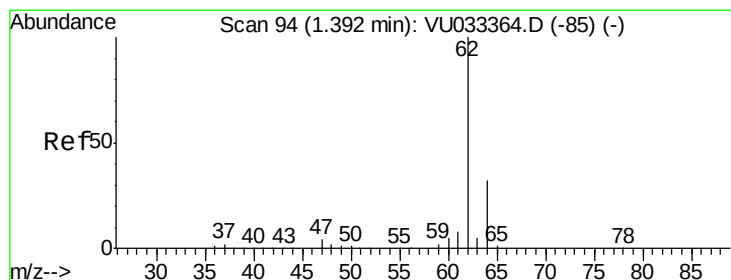
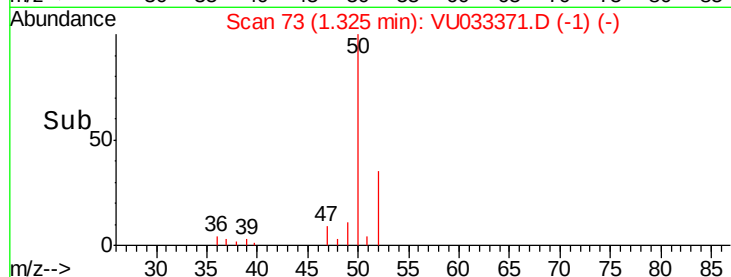
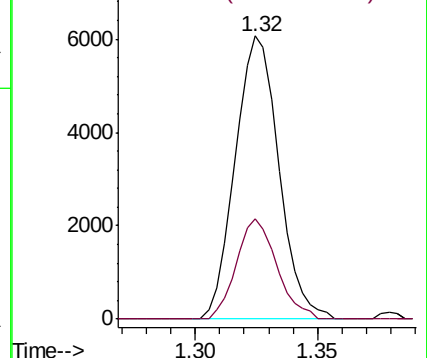
50 100

52 35.3 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VU033364.D (-62) (-)

Ion 52.00 (51.70 to 52.70): VU033364.D (-62) (-)



#4

Vinyl Chloride

Concen: 0.541 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033371.D

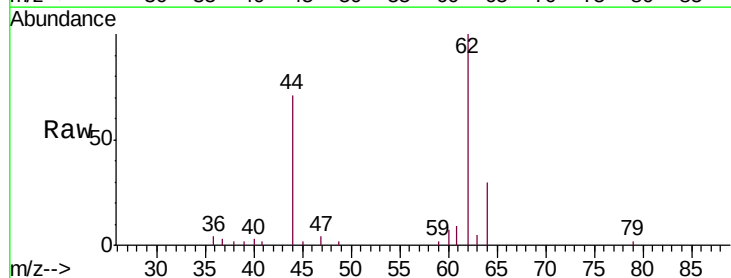
Acq: 23 Jul 2019 10:33

Tgt Ion: 62 Resp: 7780

Ion Ratio Lower Upper

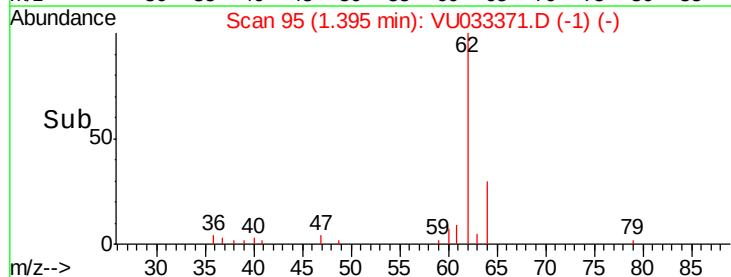
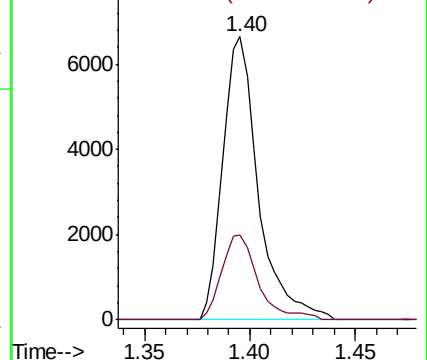
62 100

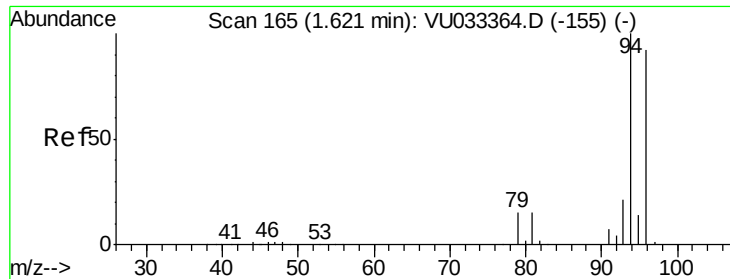
64 30.2 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VU033364.D (-85) (-)

Ion 64.00 (63.70 to 64.70): VU033364.D (-85) (-)





#5

Bromomethane

Concen: 0.625 ug/l

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

Instrument :

MSVOA\_U

ClientSampleId :

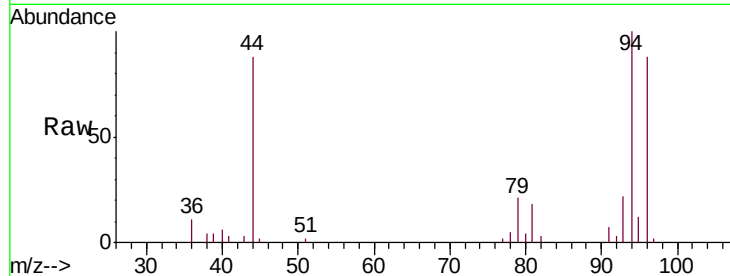
LOQ-WATER-02-QT3-2019

Tgt Ion: 94 Resp: 5664

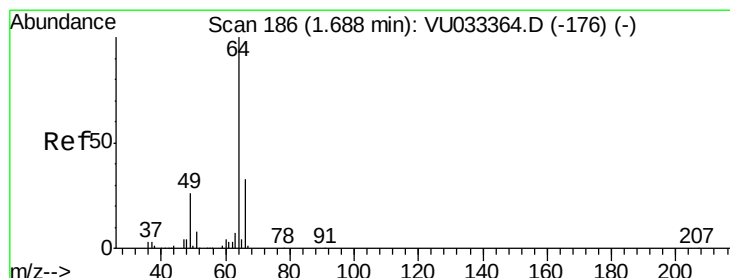
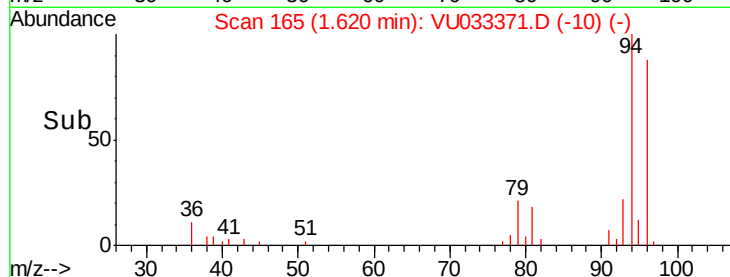
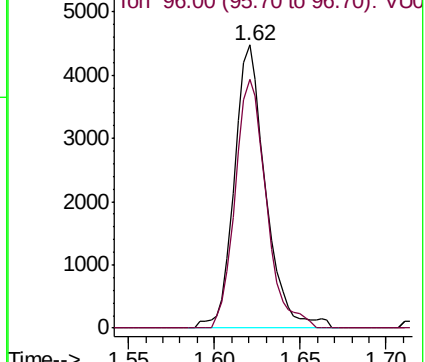
Ion Ratio Lower Upper

94 100

96 87.8 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VU033371.D (-10) (-)



#6

Chloroethane

Concen: 0.501 ug/l

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033371.D

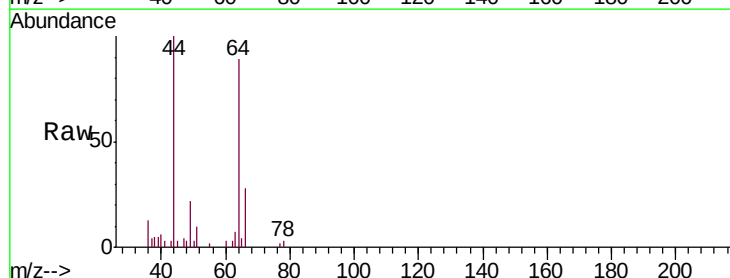
Acq: 23 Jul 2019 10:33

Tgt Ion: 64 Resp: 5066

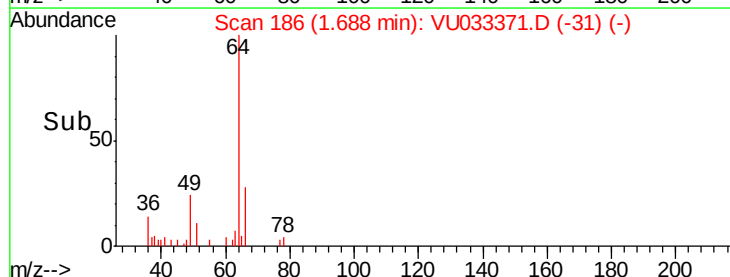
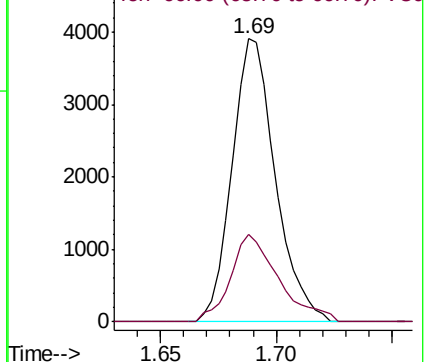
Ion Ratio Lower Upper

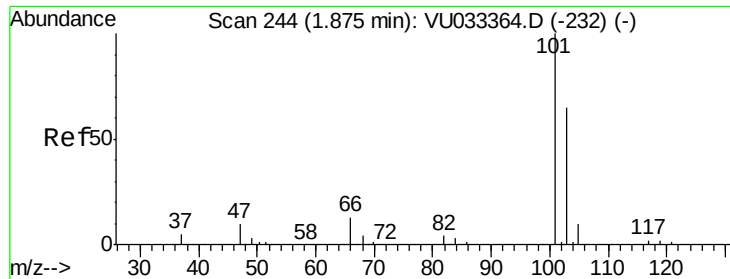
64 100

66 31.1 26.4 39.6



Abundance Ion 64.00 (63.70 to 64.70): VU033371.D (-31) (-)



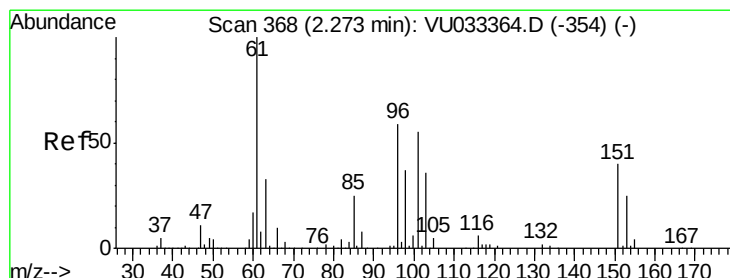
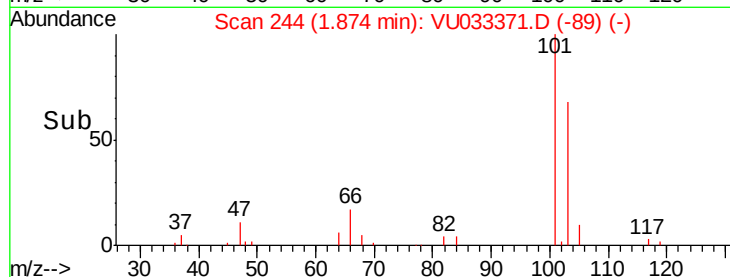
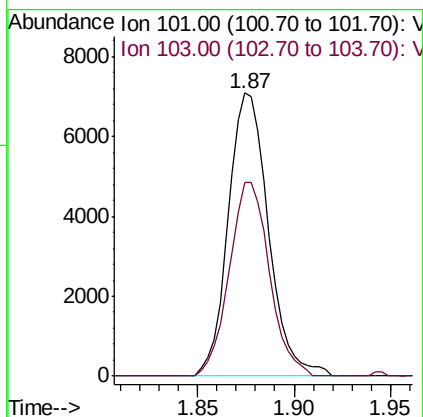
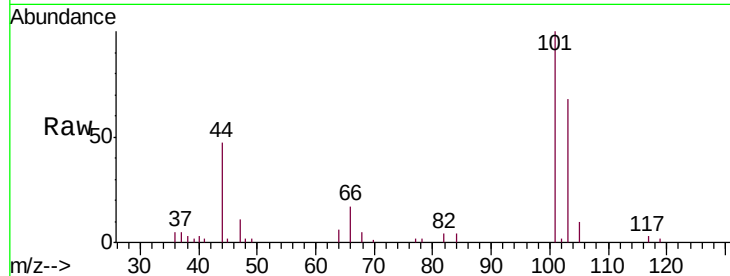


#7

Trichlorofluoromethane  
Concen: 0.517 ug/l  
RT: 1.87 min Scan# 244  
Delta R.T. -0.00 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

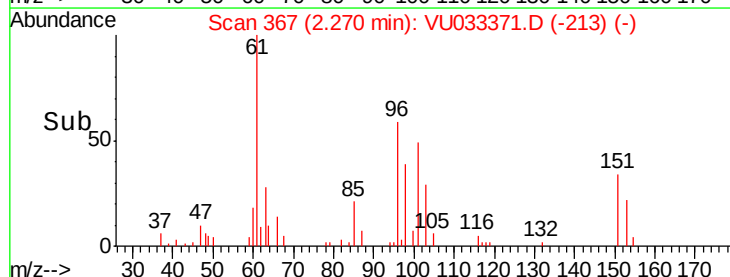
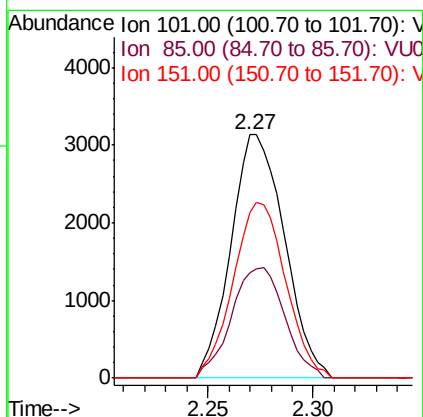
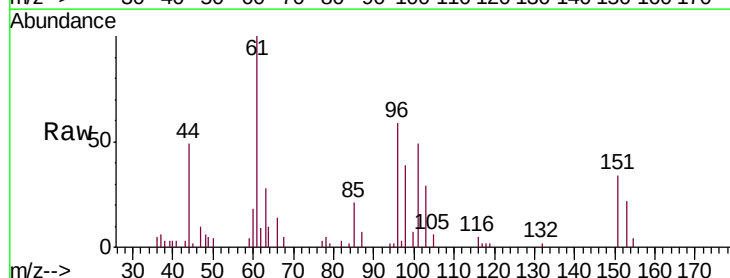
Tgt Ion:101 Resp: 10223  
Ion Ratio Lower Upper  
101 100  
103 68.3 52.2 78.2



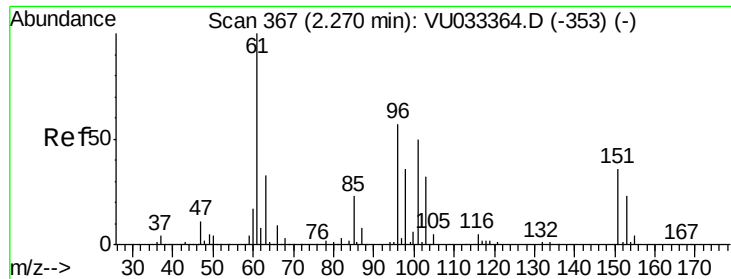
#8

1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.541 ug/l  
RT: 2.27 min Scan# 367  
Delta R.T. -0.00 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

Tgt Ion:101 Resp: 5519  
Ion Ratio Lower Upper  
101 100  
85 45.2 37.5 56.3  
151 70.8 58.3 87.5







#9

1,1-Dichloroethene

Concen: 0.555 ug/l

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

Instrument :

MSVOA\_U

ClientSampleId :

LOQ-WATER-02-QT3-2019

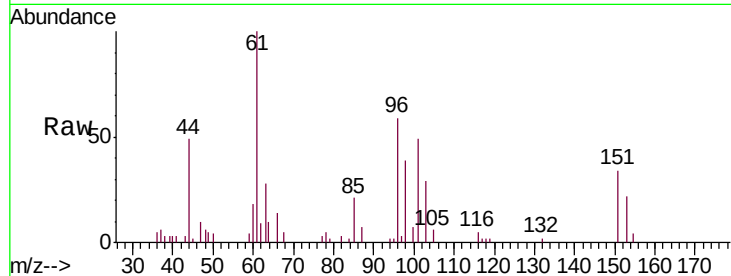
Tgt Ion: 96 Resp: 5571

Ion Ratio Lower Upper

96 100

61 169.5 0.0 525.6

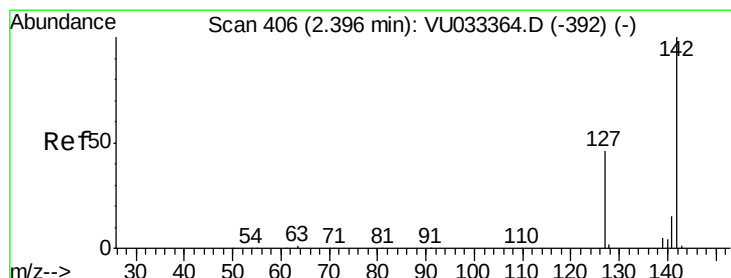
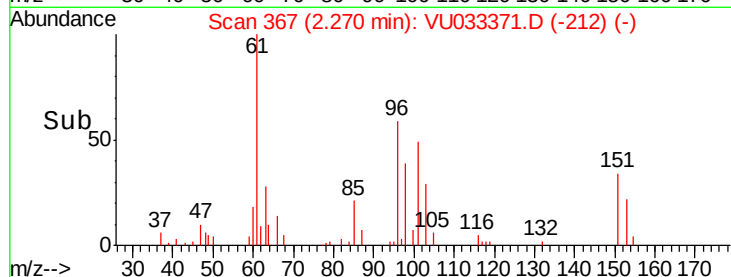
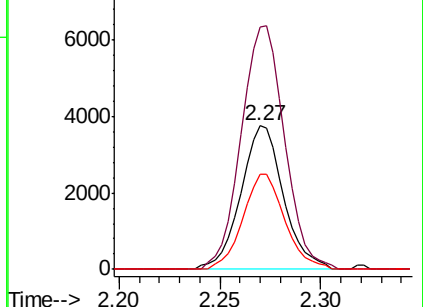
98 66.2 0.0 126.4



Abundance Ion 96.00 (95.70 to 96.70): VU033364.D (-353) (-)

Ion 61.00 (60.70 to 61.70): VU033364.D (-353) (-)

Ion 98.00 (97.70 to 98.70): VU033364.D (-353) (-)



#10

Iodomethane

Concen: 0.358 ug/l

RT: 2.40 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU033371.D

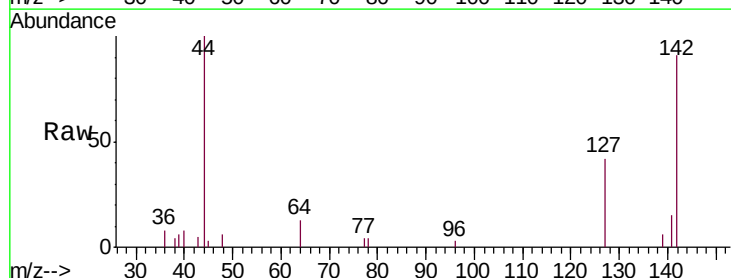
Acq: 23 Jul 2019 10:33

Tgt Ion: 142 Resp: 4828

Ion Ratio Lower Upper

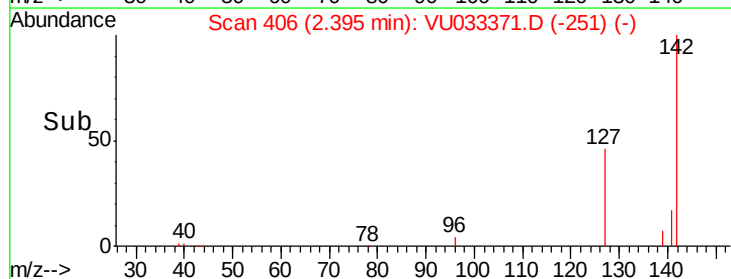
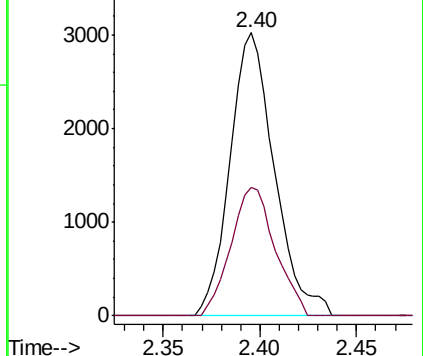
142 100

127 45.1 37.8 56.6

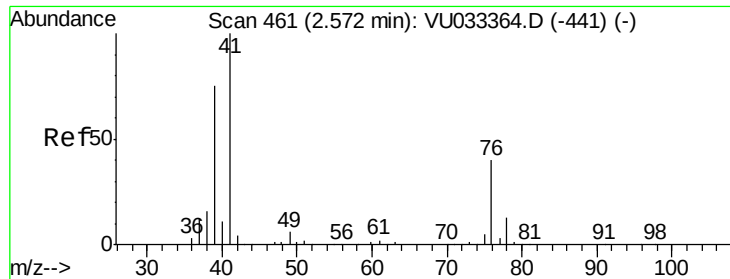


Abundance Ion 142.00 (141.70 to 142.70): VU033364.D (-392) (-)

Ion 127.00 (126.70 to 127.70): VU033364.D (-392) (-)



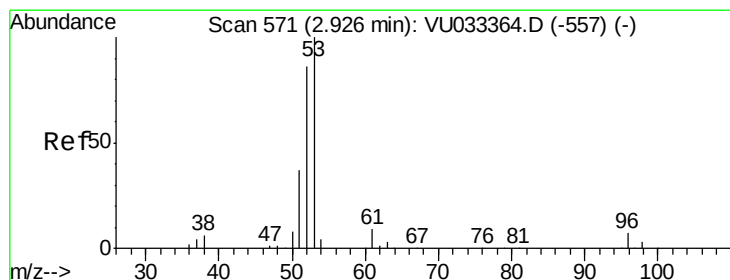
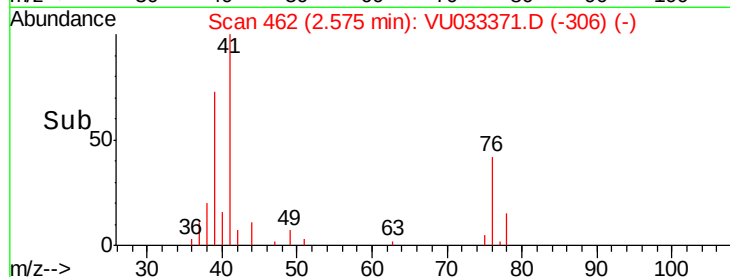
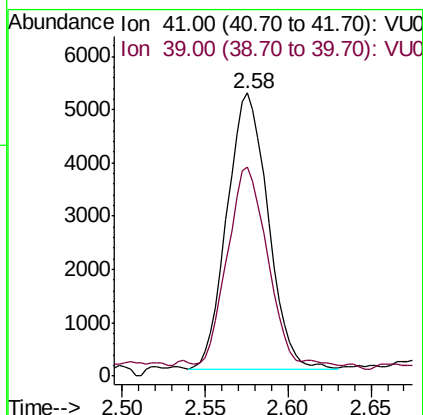
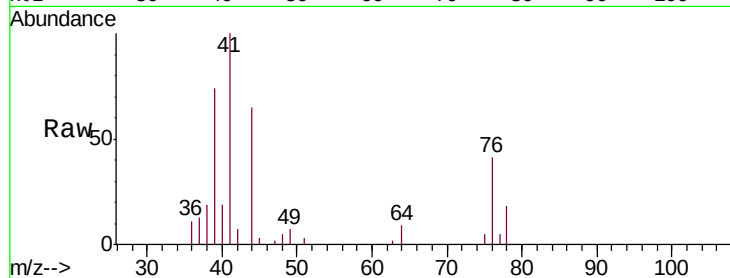




#11  
 Allyl Chloride  
 Concen: 0.536 ug/l  
 RT: 2.58 min Scan# 462  
 Delta R.T. 0.00 min  
 Lab File: VU033371.D  
 Acq: 23 Jul 2019 10:33

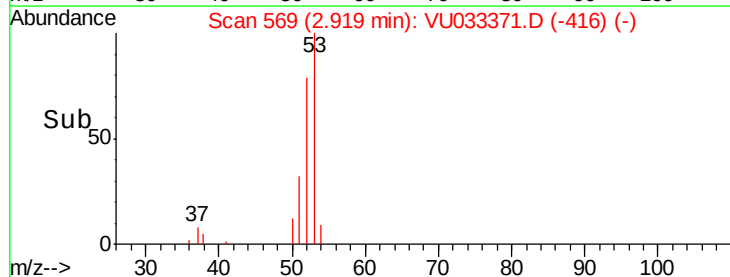
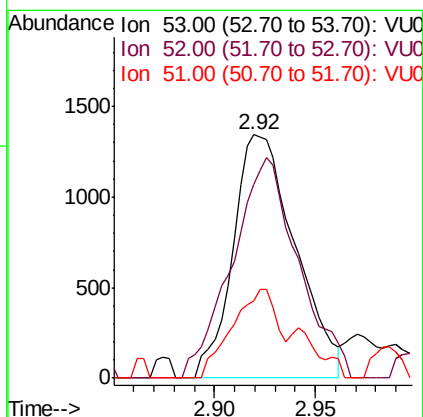
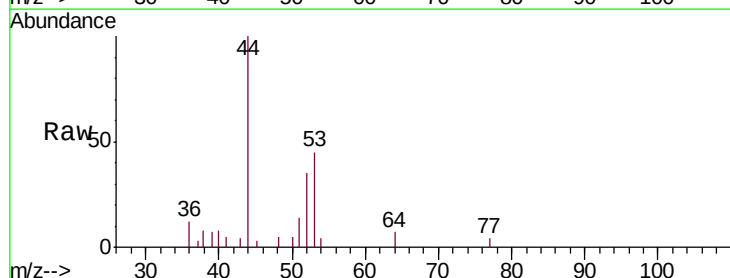
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOQ-WATER-02-QT3-2019

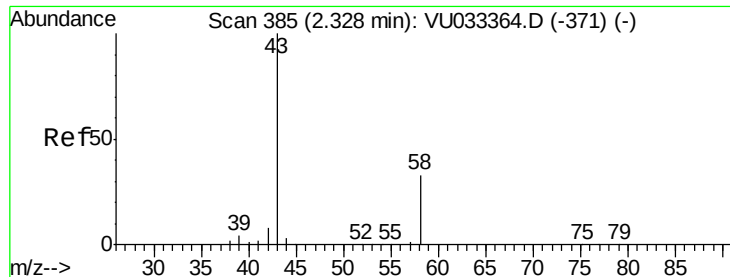
Tgt Ion: 41 Resp: 8885  
 Ion Ratio Lower Upper  
 41 100  
 39 68.5 58.7 88.1



#12  
 Acrylonitrile  
 Concen: 1.034 ug/l  
 RT: 2.92 min Scan# 569  
 Delta R.T. -0.01 min  
 Lab File: VU033371.D  
 Acq: 23 Jul 2019 10:33

Tgt Ion: 53 Resp: 2899  
 Ion Ratio Lower Upper  
 53 100  
 52 96.2 69.8 104.8  
 51 26.9 29.1 43.7#





#13

Acetone

Concen: 2.793 ug/l

RT: 2.31 min Scan# 380

Delta R.T. -0.02 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

Instrument :

MSVOA\_U

ClientSampleId :

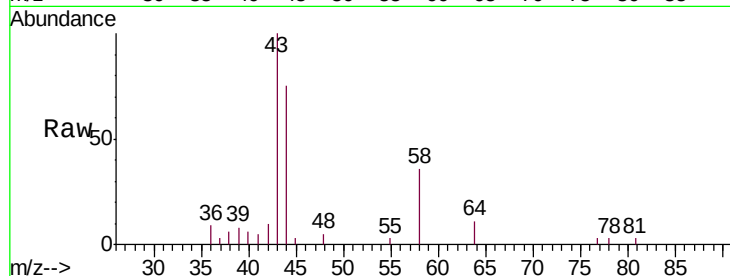
LOQ-WATER-02-QT3-2019

Tgt Ion: 43 Resp: 6678

Ion Ratio Lower Upper

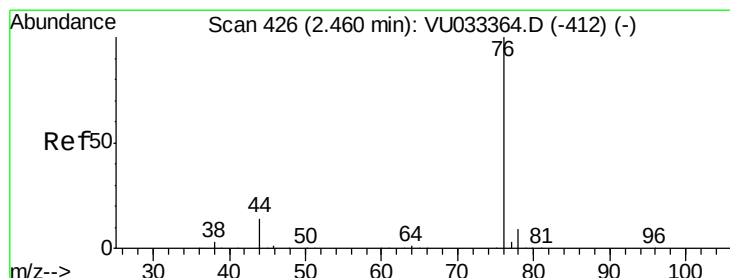
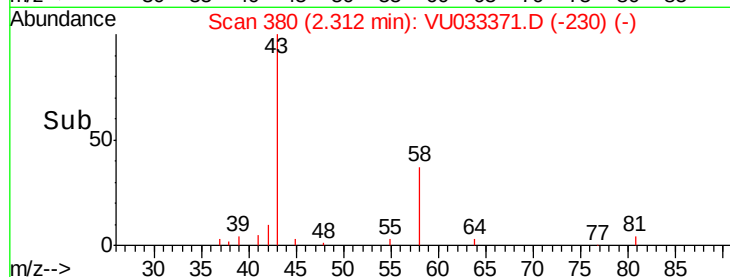
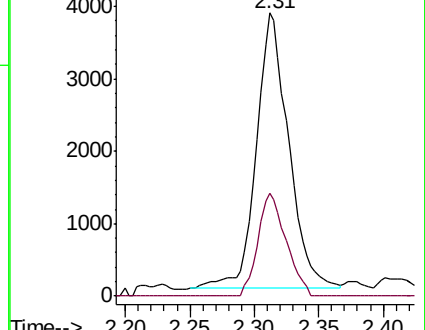
43 100

58 37.3 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VU033364.D (-371) (-)

Ion 58.00 (57.70 to 58.70): VU033364.D (-371) (-)



#14

Carbon Disulfide

Concen: 0.534 ug/l

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033371.D

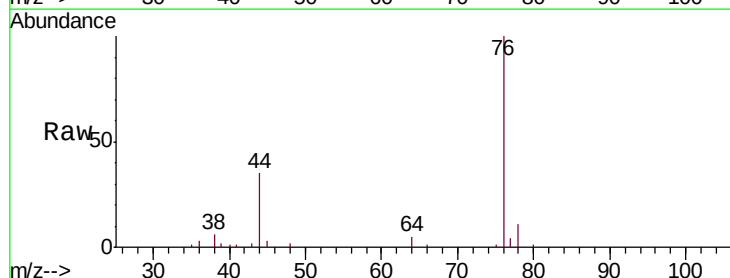
Acq: 23 Jul 2019 10:33

Tgt Ion: 76 Resp: 20358

Ion Ratio Lower Upper

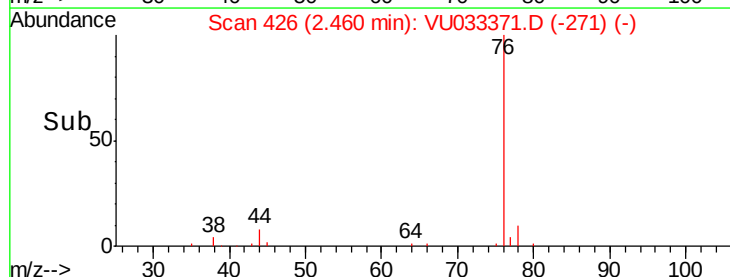
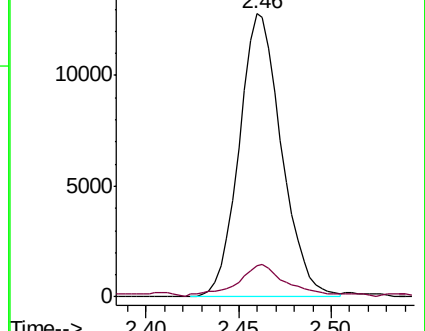
76 100

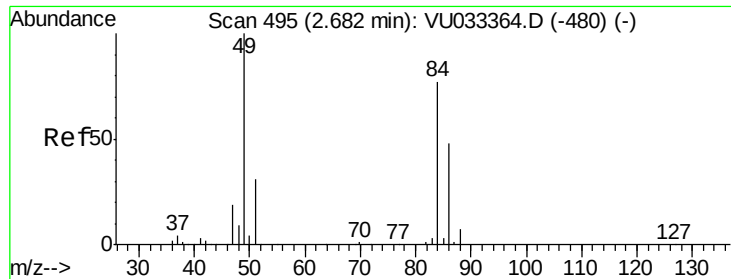
78 10.3 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU033364.D (-412) (-)

Ion 78.00 (77.70 to 78.70): VU033364.D (-412) (-)

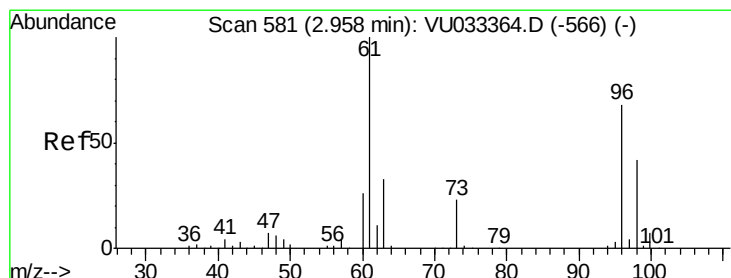
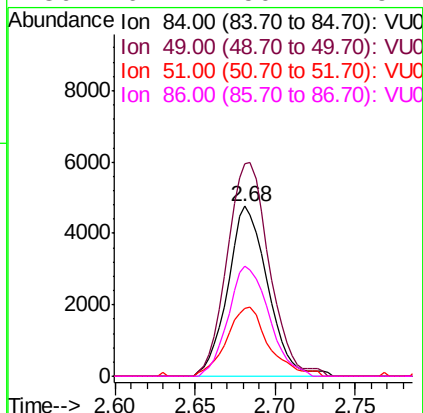
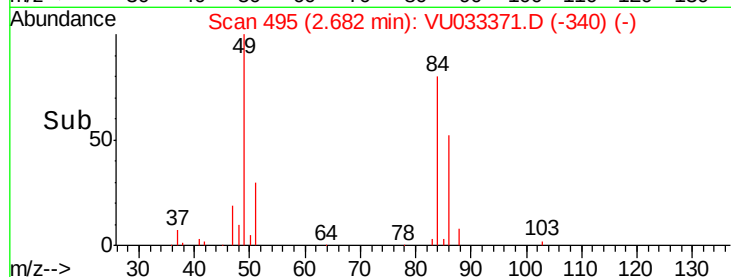
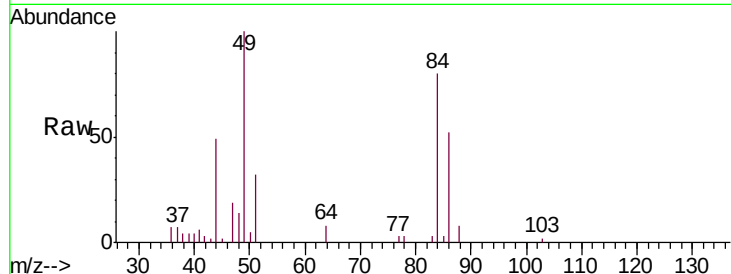




#15  
Methylene Chloride  
Concen: 0.598 ug/l  
RT: 2.68 min Scan# 495  
Delta R.T. -0.00 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

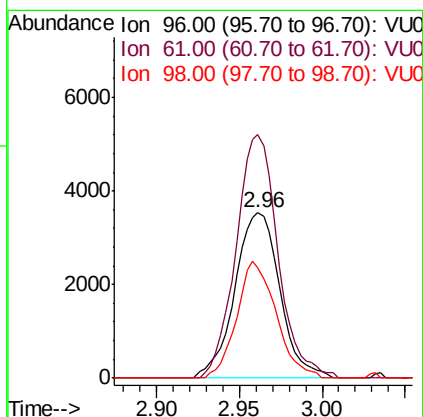
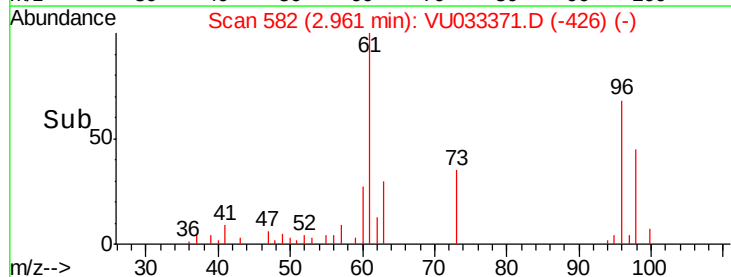
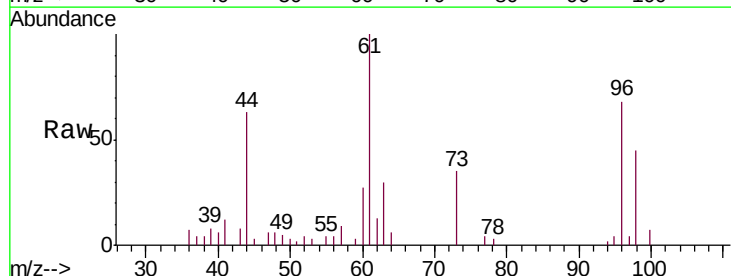
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

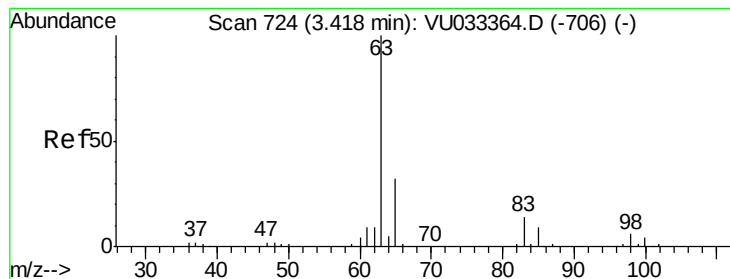
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 8098  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 124.9 | 103.5 | 155.3 |
| 51       | 40.1  | 0.0   | 80.4  |
| 86       | 64.7  | 50.1  | 75.1  |



#16  
trans-1,2-Dichloroethene  
Concen: 0.560 ug/l  
RT: 2.96 min Scan# 582  
Delta R.T. 0.00 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 6678  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 147.5 | 118.0 | 177.0 |
| 98       | 66.6  | 49.4  | 74.2  |





#17

1,1-Dichloroethane

Concen: 0.534 ug/l

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

Instrument :

MSVOA\_U

ClientSampleId :

LOQ-WATER-02-QT3-2019

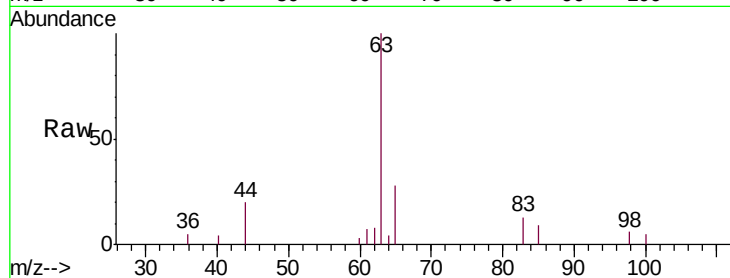
Tgt Ion: 63 Resp: 8549

Ion Ratio Lower Upper

63 100

98 6.0 3.2 9.6

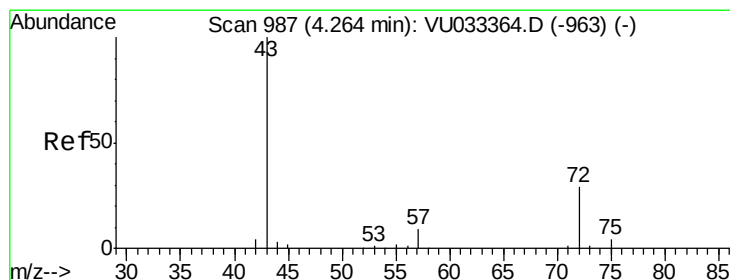
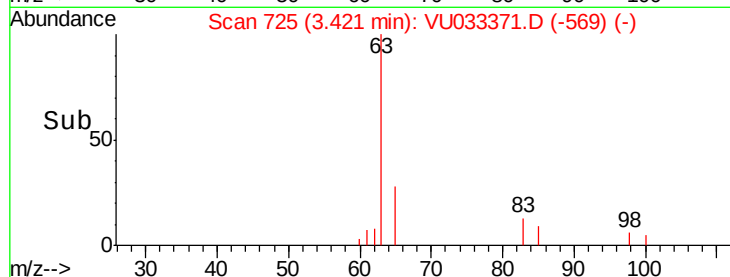
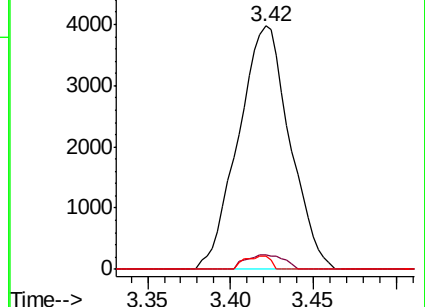
100 5.3 2.1 6.2



Abundance Ion 63.00 (62.70 to 63.70): VU033364.D (-706) (-)

Ion 98.00 (97.70 to 98.70): VU033364.D (-706) (-)

Ion 100.00 (99.70 to 100.70): VU033364.D (-706) (-)



#18

2-Butanone

Concen: 2.193 ug/l

RT: 4.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VU033371.D

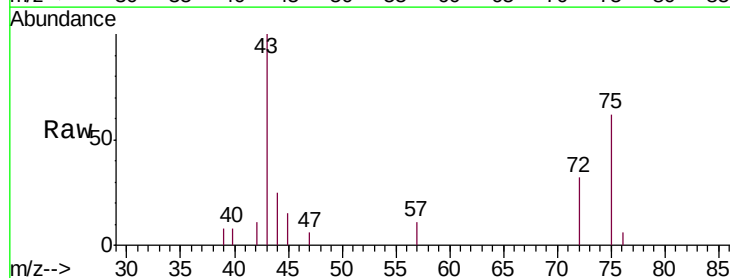
Acq: 23 Jul 2019 10:33

Tgt Ion: 43 Resp: 5004

Ion Ratio Lower Upper

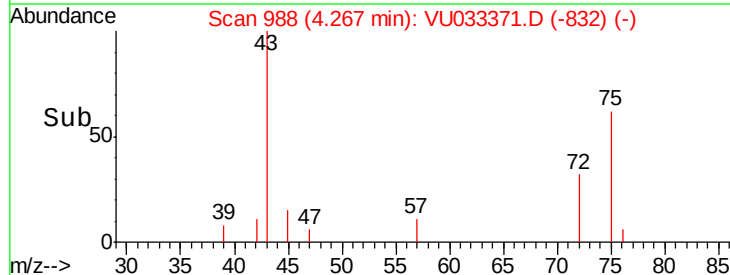
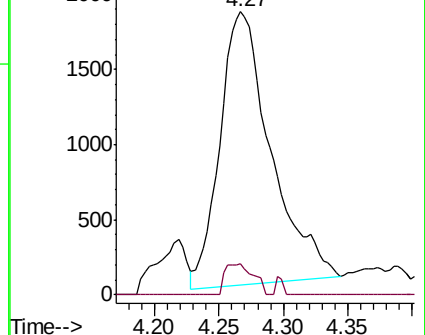
43 100

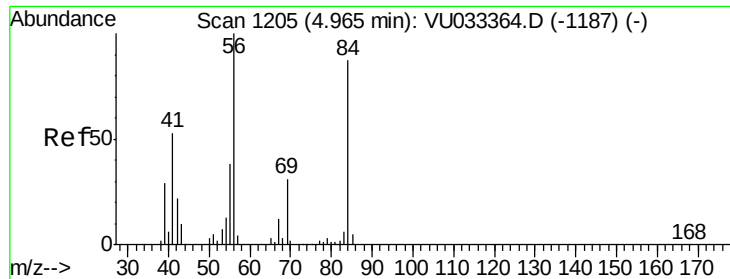
57 11.8 0.0 17.0



Abundance Ion 43.00 (42.70 to 43.70): VU033364.D (-963) (-)

Ion 57.00 (56.70 to 57.70): VU033364.D (-963) (-)

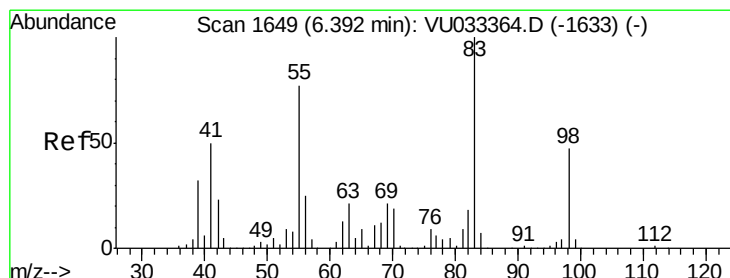
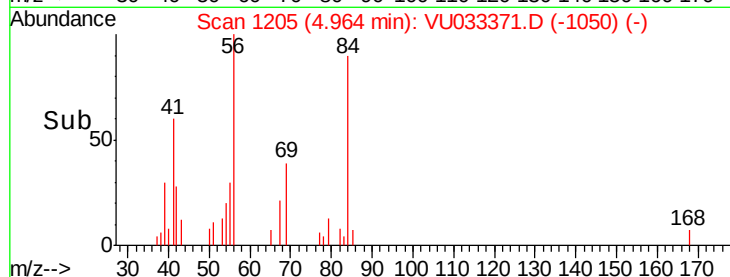
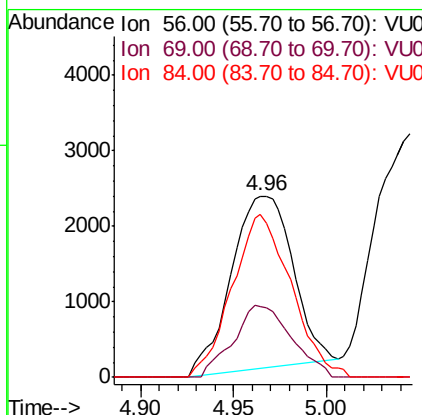
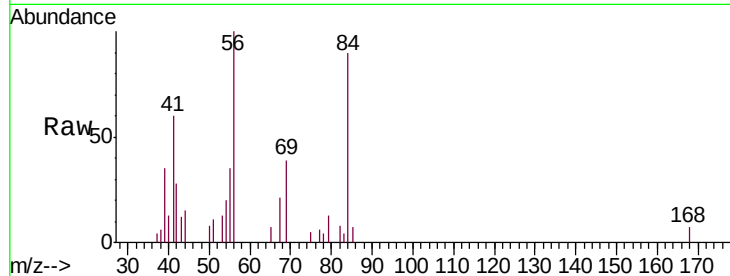




#19  
Cyclohexane  
Concen: 0.450 ug/l  
RT: 4.96 min Scan# 1205  
Delta R.T. -0.00 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

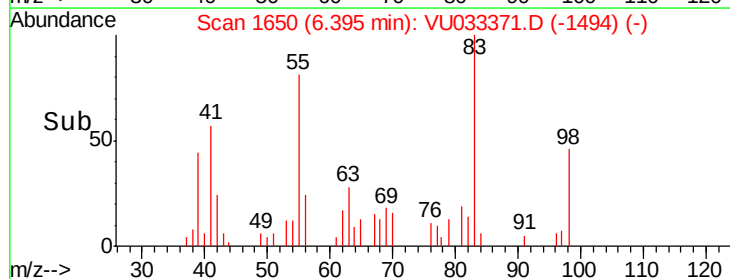
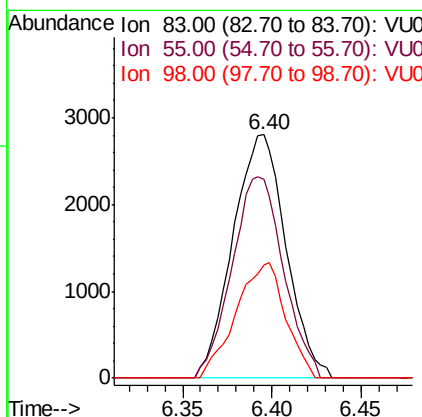
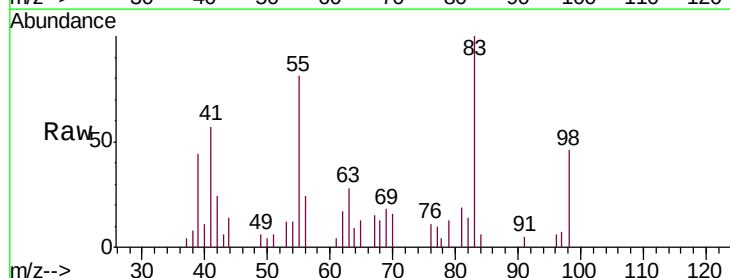
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

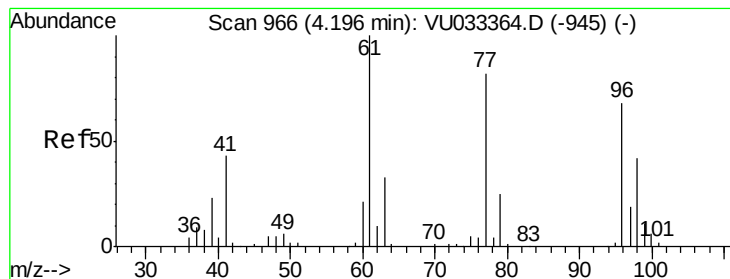
Tgt Ion: 56 Resp: 5282  
Ion Ratio Lower Upper  
56 100  
69 39.3 25.0 37.4#  
84 90.3 69.8 104.6



#20  
Methylcyclohexane  
Concen: 0.492 ug/l  
RT: 6.40 min Scan# 1650  
Delta R.T. 0.00 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

Tgt Ion: 83 Resp: 5815  
Ion Ratio Lower Upper  
83 100  
55 80.1 62.3 93.5  
98 44.2 37.4 56.0





#21

2,2-Dichloropropane

Concen: 0.604 ug/l

RT: 4.21 min Scan# 969

Delta R.T. 0.01 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

Instrument :

MSVOA\_U

ClientSampleId :

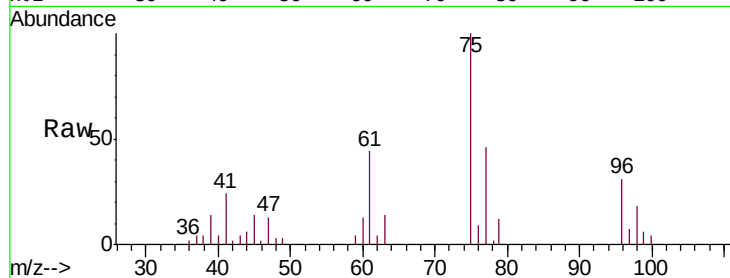
LOQ-WATER-02-QT3-2019

Tgt Ion: 77 Resp: 8195

Ion Ratio Lower Upper

77 100

97 14.8 17.8 26.8#



Abundance Ion 77.00 (76.70 to 77.70): VU033371.D (-811) (-)

Ion 97.00 (96.70 to 97.70): VU033371.D (-811) (-)

3000

2000

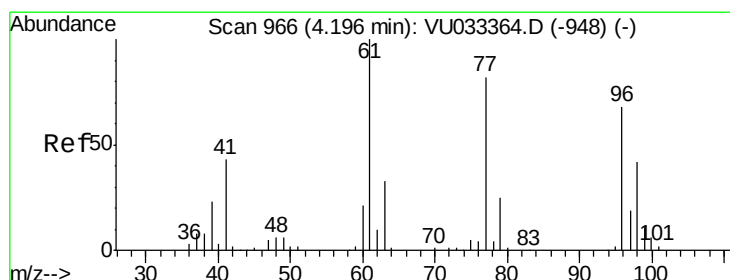
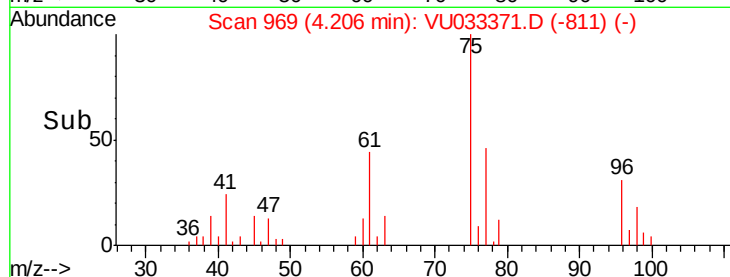
1000

0

Time-->

4.10 4.15 4.20 4.25 4.30

4.21



#22

cis-1,2-Dichloroethene

Concen: 0.525 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.01 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

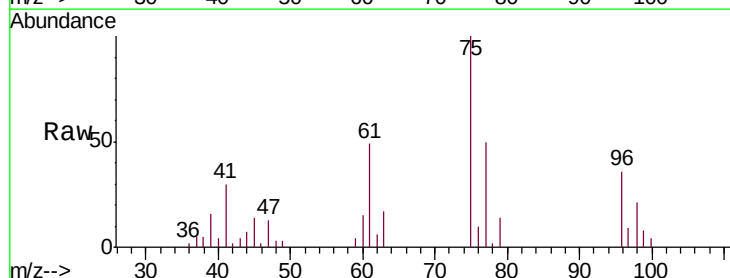
Tgt Ion: 96 Resp: 4739

Ion Ratio Lower Upper

96 100

61 162.1 0.0 376.3

98 60.1 31.9 95.9



Abundance Ion 96.00 (95.70 to 96.70): VU033371.D (-811) (-)

Ion 61.00 (60.70 to 61.70): VU033371.D (-811) (-)

Ion 98.00 (97.70 to 98.70): VU033371.D (-811) (-)

3000

2000

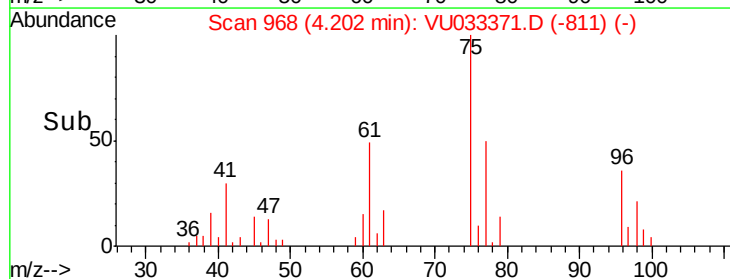
1000

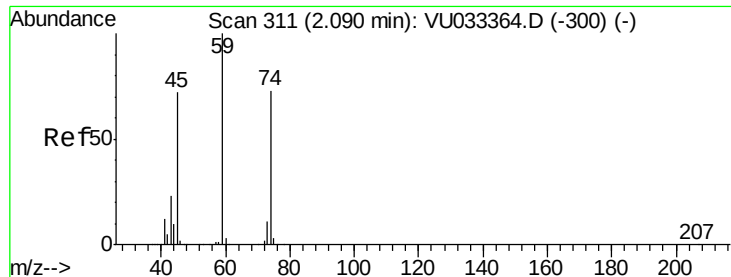
0

Time-->

4.15 4.20 4.25

4.20

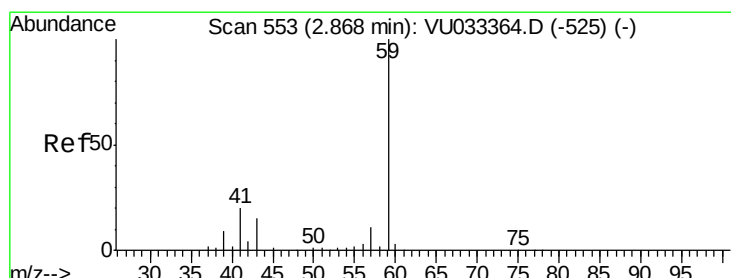
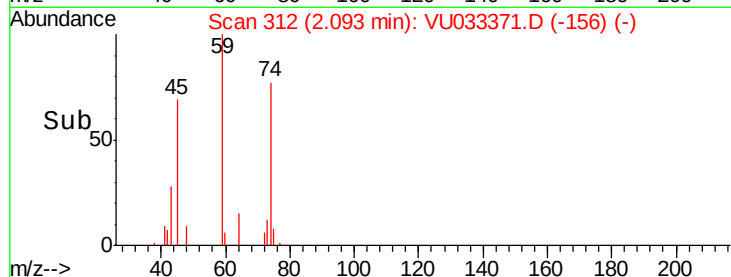
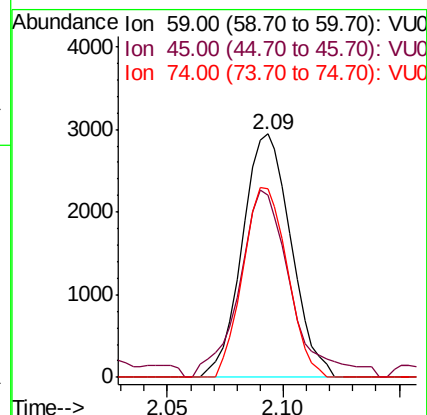
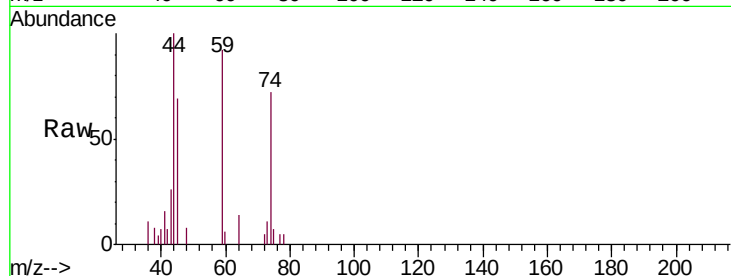




#23  
Diethyl Ether  
Concen: 0.496 ug/l  
RT: 2.09 min Scan# 312  
Delta R.T. 0.00 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

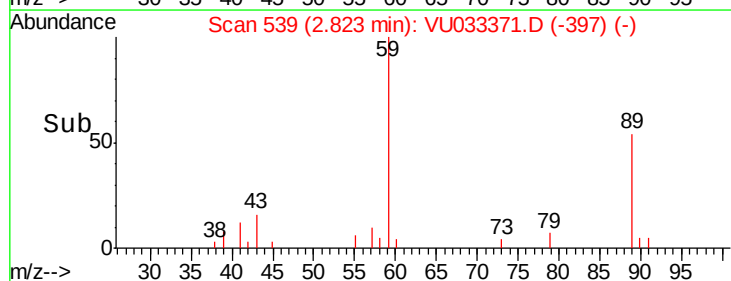
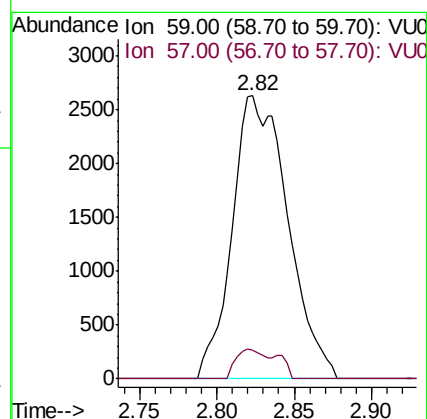
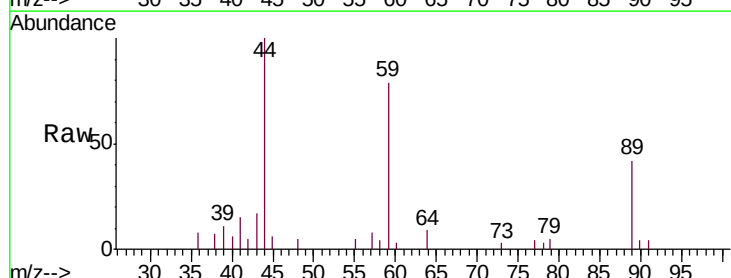
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

Tgt Ion: 59 Resp: 4292  
Ion Ratio Lower Upper  
59 100  
45 81.4 57.6 86.4  
74 71.3 57.8 86.6

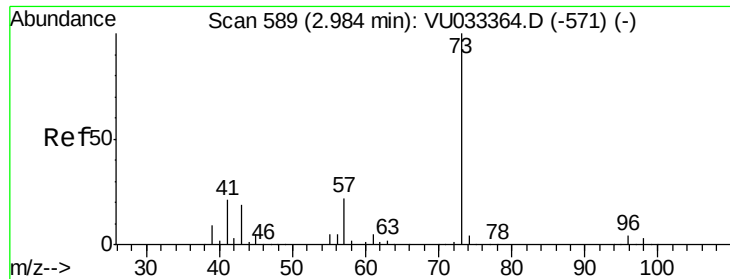


#24  
tert-Butyl Alcohol  
Concen: 4.939 ug/l  
RT: 2.82 min Scan# 539  
Delta R.T. -0.05 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

Tgt Ion: 59 Resp: 6567  
Ion Ratio Lower Upper  
59 100  
57 5.8 7.8 11.8#







#25

Methyl tert-Butyl Ether

Concen: 0.502 ug/l

RT: 2.98 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

Instrument :

MSVOA\_U

ClientSampleId :

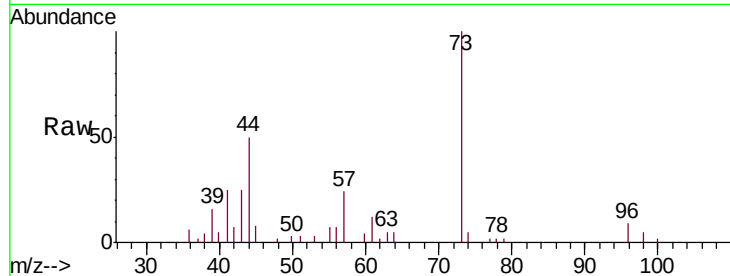
LOQ-WATER-02-QT3-2019

Tgt Ion: 73 Resp: 14512

Ion Ratio Lower Upper

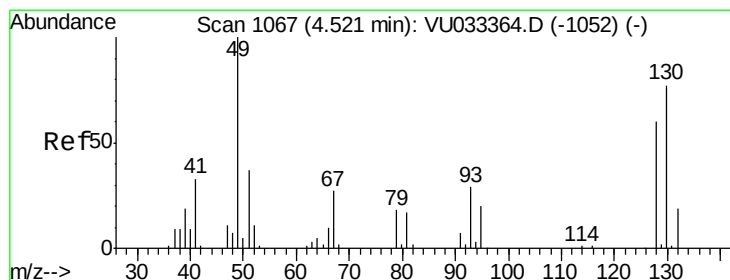
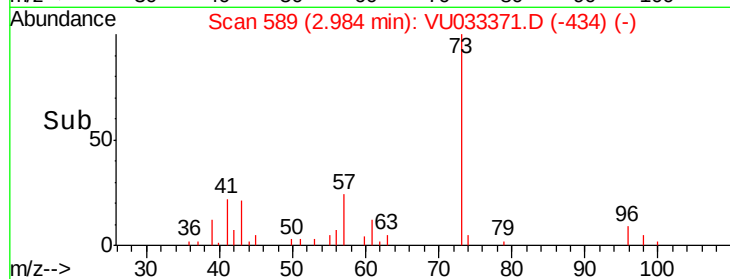
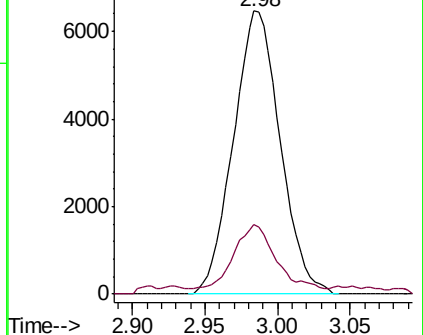
73 100

43 19.5 16.6 24.8



Abundance Ion 73.00 (72.70 to 73.70): VU033364.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU033364.D (-571) (-)



#26

Bromochloromethane

Concen: 0.505 ug/l

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

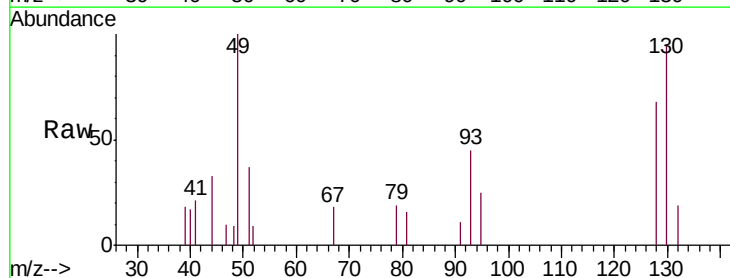
Tgt Ion: 128 Resp: 2005

Ion Ratio Lower Upper

128 100

49 158.6 0.0 333.4

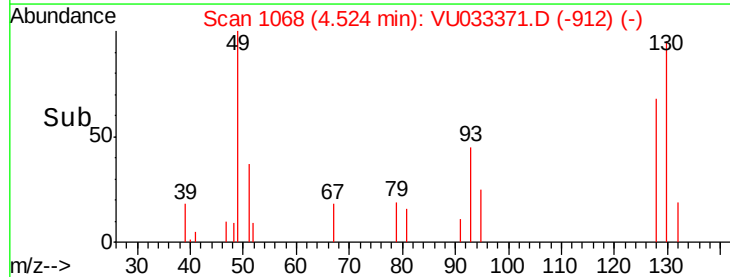
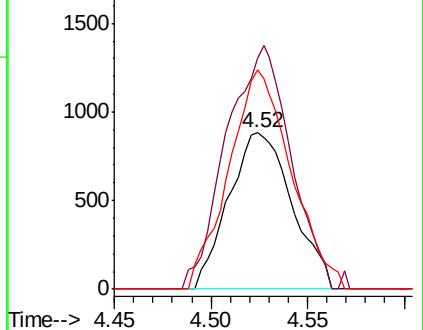
130 138.6 103.4 155.2

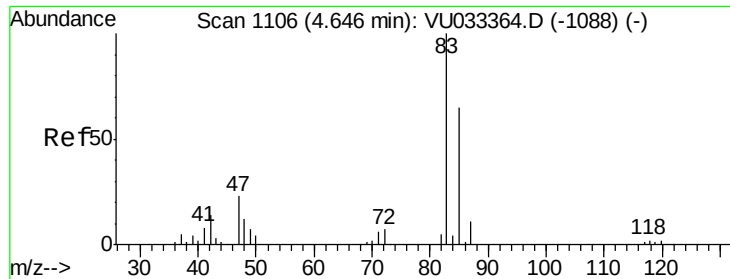


Abundance Ion 128.00 (127.70 to 128.70): VU033364.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU033364.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU033364.D (-1052) (-)

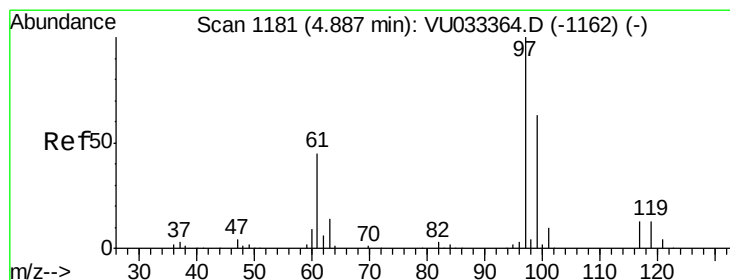
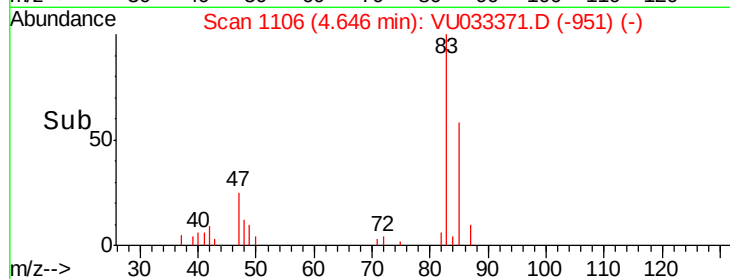
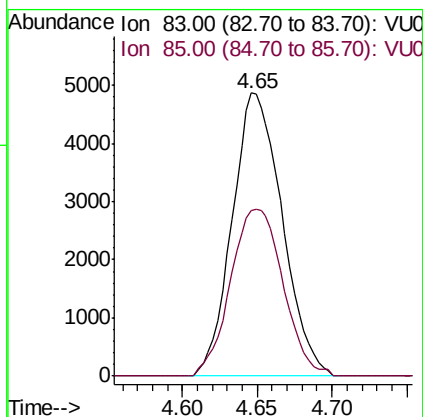
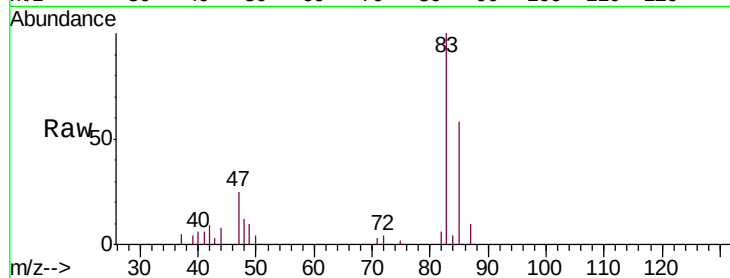




#27  
Chloroform  
Concen: 0.618 ug/l  
RT: 4.65 min Scan# 1106  
Delta R.T. -0.00 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

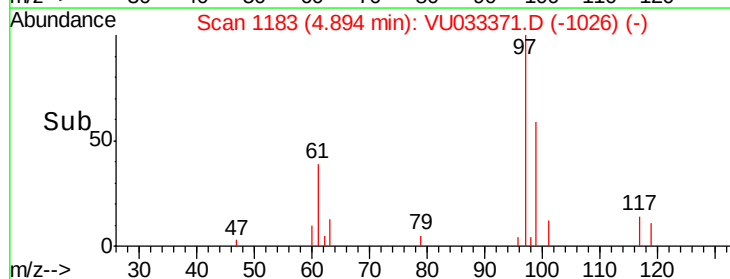
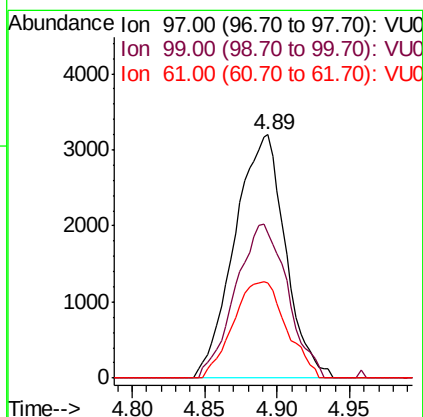
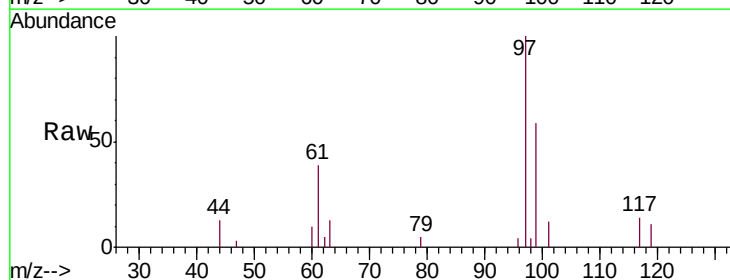
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

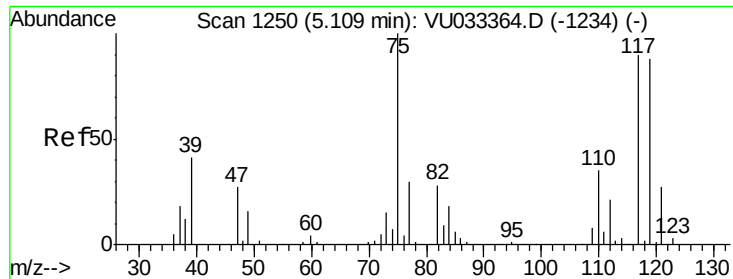
Tgt Ion: 83 Resp: 11302  
Ion Ratio Lower Upper  
83 100  
85 58.4 0.0 129.8



#28  
1,1,1-Trichloroethane  
Concen: 0.550 ug/l  
RT: 4.89 min Scan# 1183  
Delta R.T. 0.01 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

Tgt Ion: 97 Resp: 7784  
Ion Ratio Lower Upper  
97 100  
99 64.7 31.9 95.5  
61 41.3 22.7 68.0

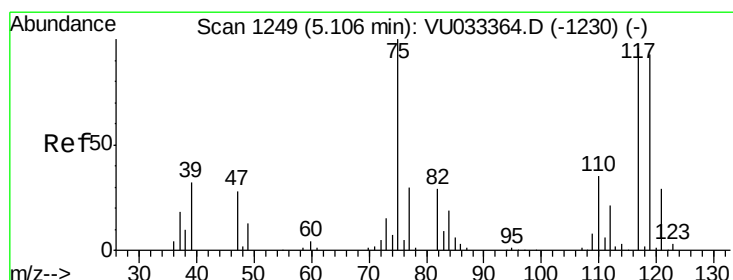
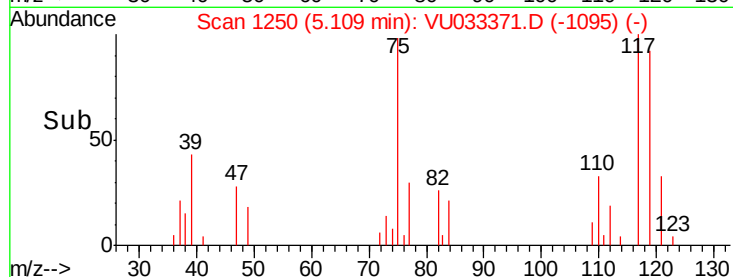
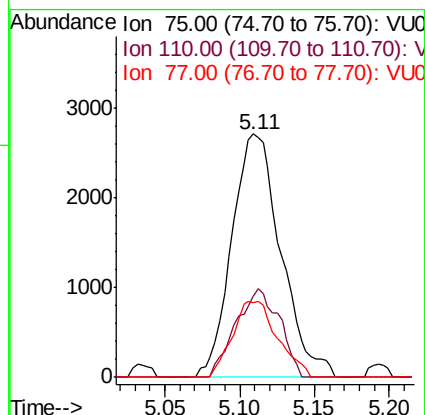
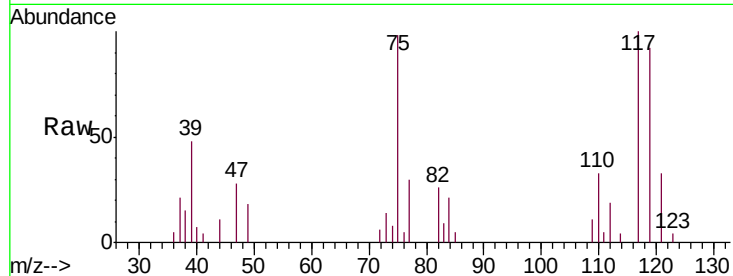




#29  
1,1-Dichloropropene  
Concen: 0.529 ug/l  
RT: 5.11 min Scan# 1250  
Delta R.T. -0.00 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

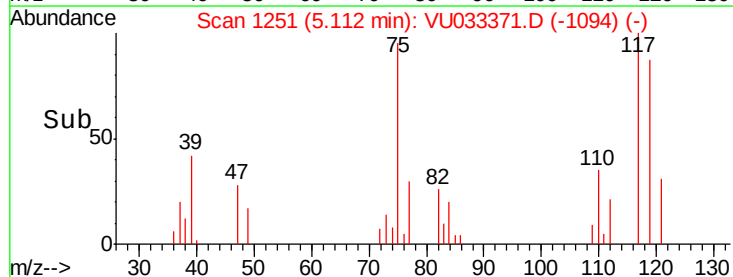
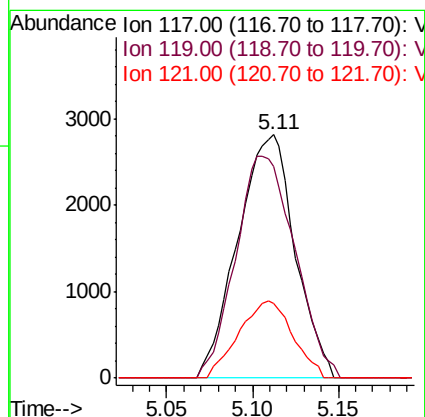
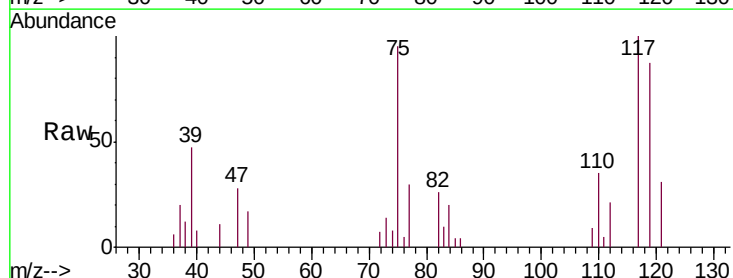
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

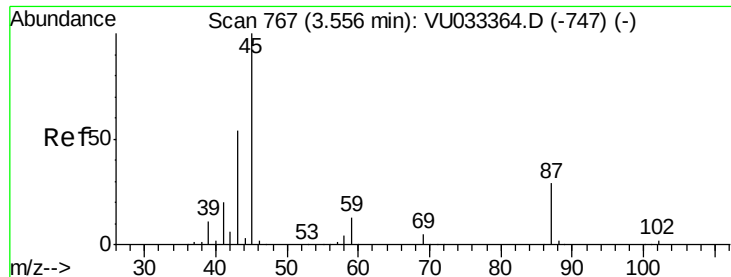
Tgt Ion: 75 Resp: 6179  
Ion Ratio Lower Upper  
75 100  
110 32.3 17.5 52.6  
77 28.8 25.1 37.7



#30  
Carbon Tetrachloride  
Concen: 0.522 ug/l  
RT: 5.11 min Scan# 1251  
Delta R.T. 0.01 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

Tgt Ion: 117 Resp: 6499  
Ion Ratio Lower Upper  
117 100  
119 86.9 77.9 116.9  
121 30.6 24.0 36.0





#31

Isopropyl Ether

Concen: 0.520 ug/l

RT: 3.55 min Scan# 766

Delta R.T. -0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

Instrument :

MSVOA\_U

ClientSampleId :

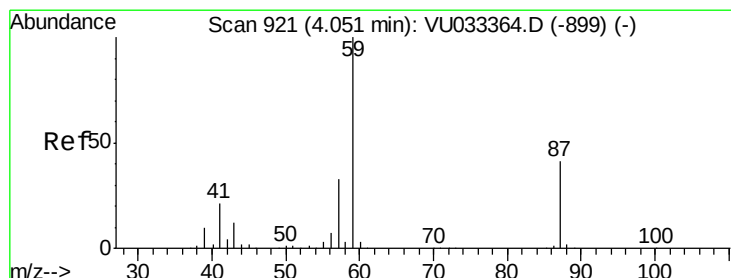
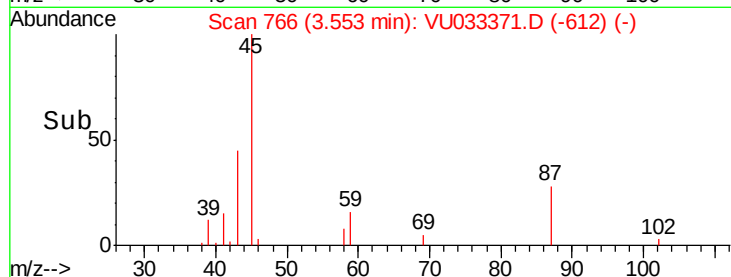
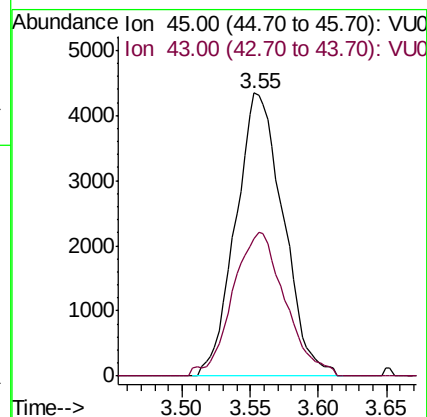
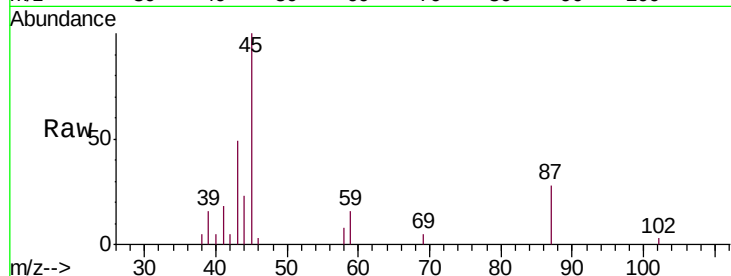
LOQ-WATER-02-QT3-2019

Tgt Ion: 45 Resp: 10513

Ion Ratio Lower Upper

45 100

43 56.0 27.8 83.3



#32

Ethyl-t-butyl ether

Concen: 0.510 ug/l

RT: 4.04 min Scan# 919

Delta R.T. -0.01 min

Lab File: VU033371.D

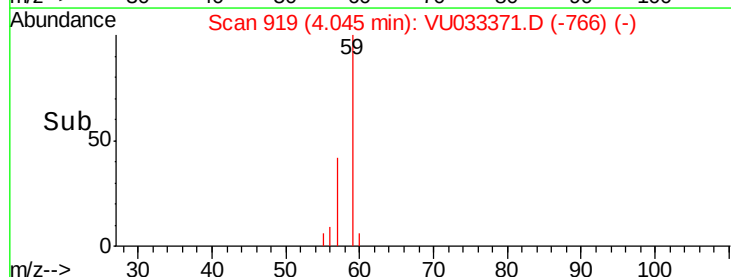
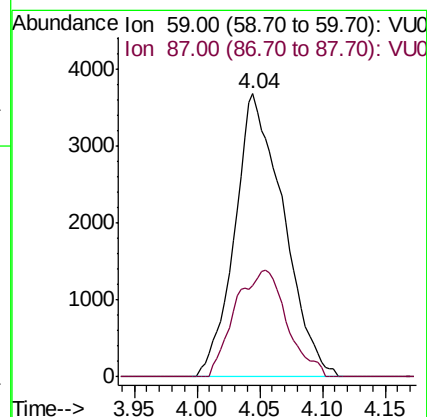
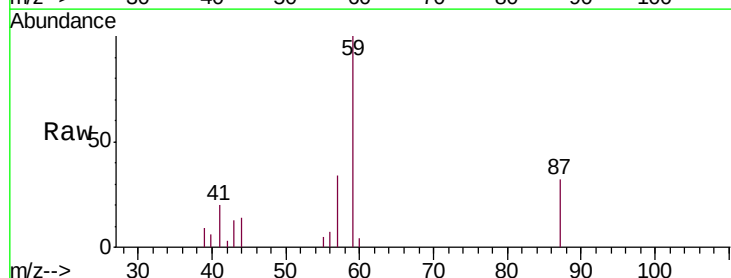
Acq: 23 Jul 2019 10:33

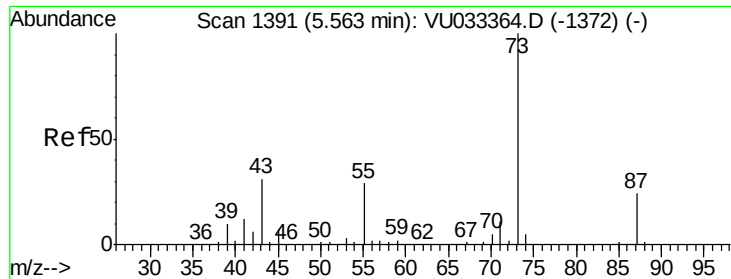
Tgt Ion: 59 Resp: 9911

Ion Ratio Lower Upper

59 100

87 40.1 33.8 50.6

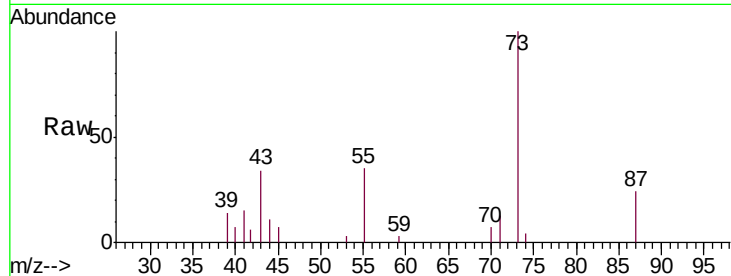




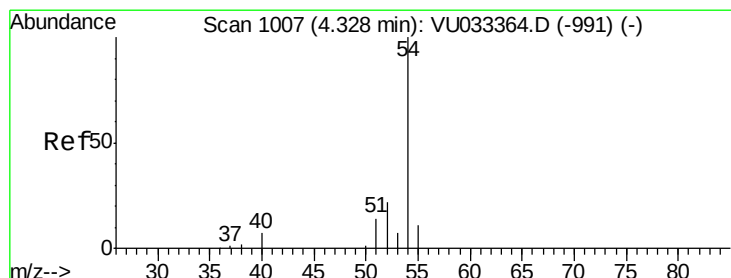
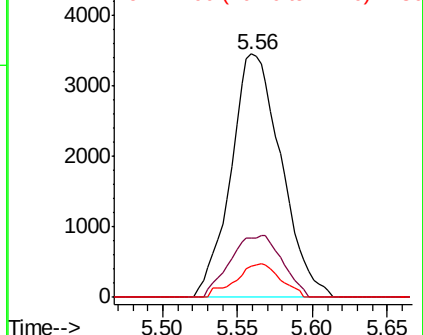
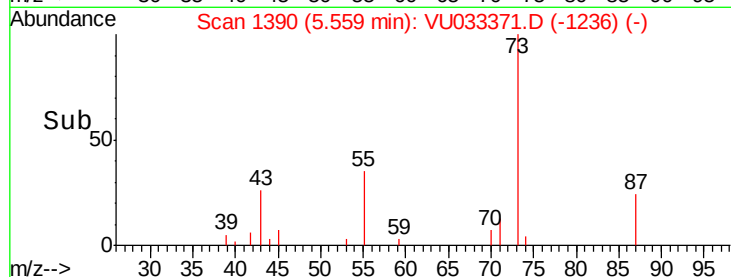
#33  
Tert-Amyl methyl ether  
Concen: 0.463 ug/l  
RT: 5.56 min Scan# 1390  
Delta R.T. -0.00 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

Tgt Ion: 73 Resp: 8098  
Ion Ratio Lower Upper  
73 100  
87 26.4 18.9 28.3  
71 12.3 9.3 13.9

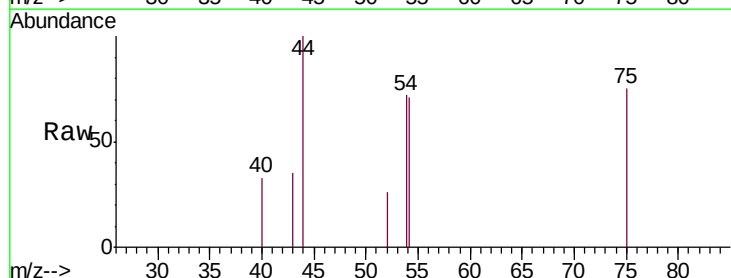


Abundance Ion 73.00 (72.70 to 73.70): VU0  
Ion 87.00 (86.70 to 87.70): VU0  
Ion 71.00 (70.70 to 71.70): VU0

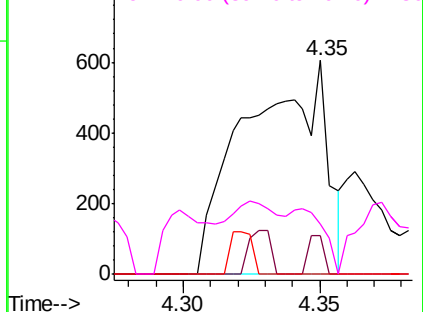
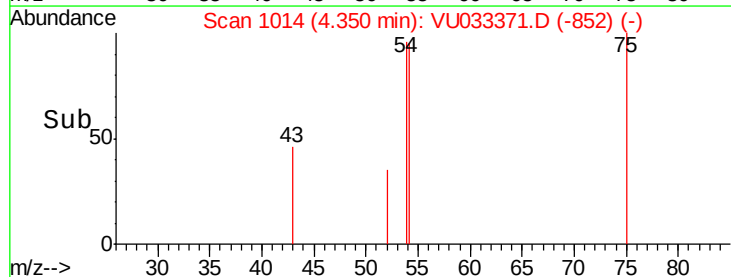


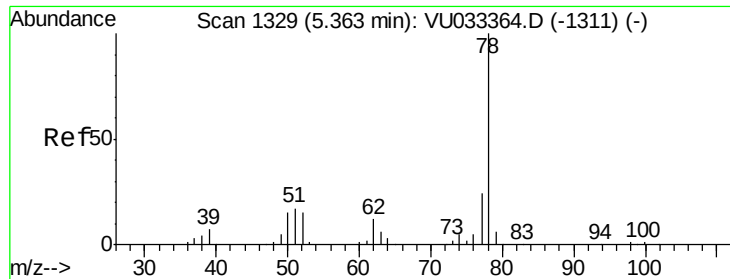
#34  
Propionitrile  
Concen: 1.876 ug/l  
RT: 4.35 min Scan# 1014  
Delta R.T. 0.02 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

Tgt Ion: 54 Resp: 1228  
Ion Ratio Lower Upper  
54 100  
52 3.4 17.1 25.7#  
55 0.0 11.6 17.4#  
40 22.3 3.5 5.3#



Abundance Ion 54.00 (53.70 to 54.70): VU0  
Ion 52.00 (51.70 to 52.70): VU0  
Ion 55.00 (54.70 to 55.70): VU0  
Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 0.512 ug/l

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

Instrument :

MSVOA\_U

ClientSampleId :

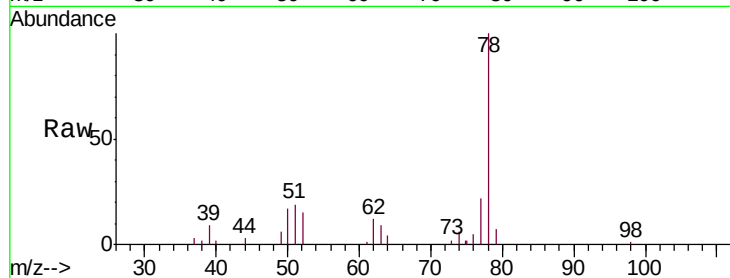
LOQ-WATER-02-QT3-2019

Tgt Ion: 78 Resp: 17268

Ion Ratio Lower Upper

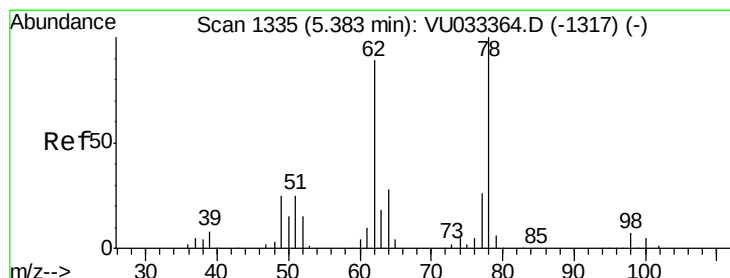
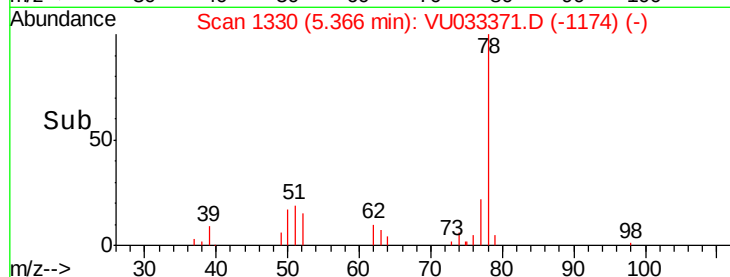
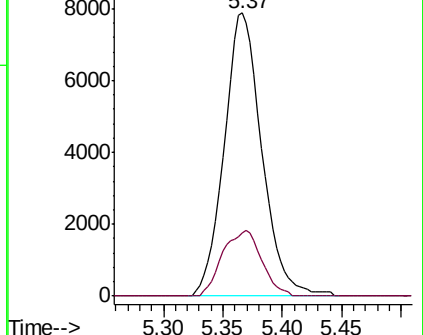
78 100

77 22.3 19.4 29.2



Abundance Ion 78.10 (77.80 to 78.80): VU033364.D (-1311) (-)

Ion 77.00 (76.70 to 77.70): VU033371.D (-1174) (-)



#36

1,2-Dichloroethane

Concen: 0.511 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU033371.D

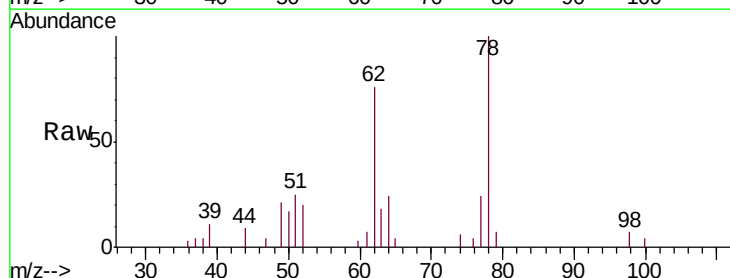
Acq: 23 Jul 2019 10:33

Tgt Ion: 62 Resp: 5740

Ion Ratio Lower Upper

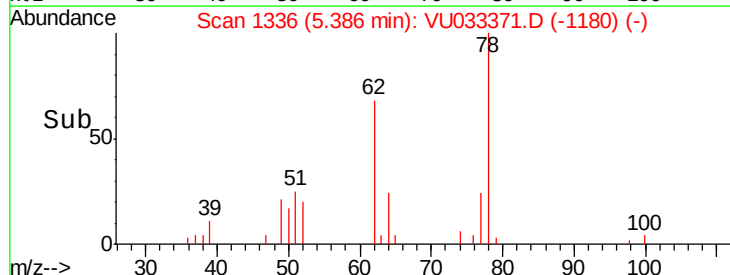
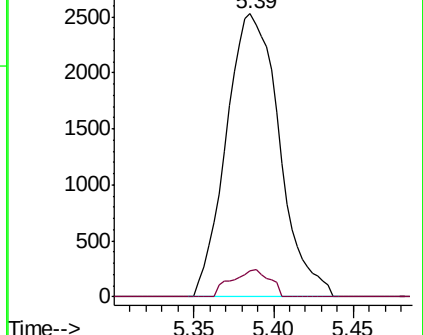
62 100

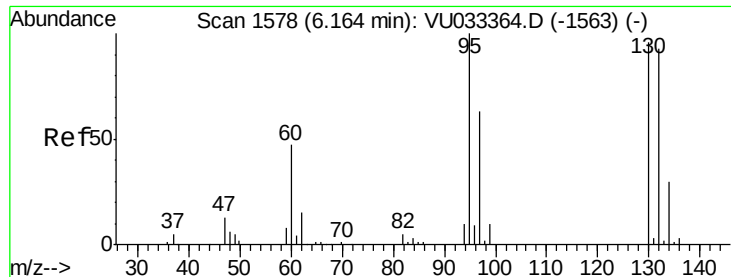
98 6.8 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU033364.D (-1317) (-)

Ion 98.00 (97.70 to 98.70): VU033371.D (-1180) (-)





#37

Trichloroethene

Concen: 0.543 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

Instrument :

MSVOA\_U

ClientSampleId :

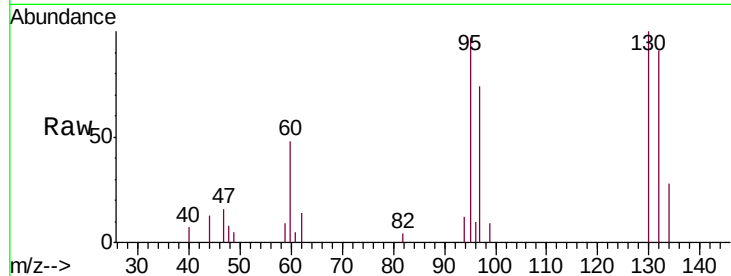
LOQ-WATER-02-QT3-2019

Tgt Ion:130 Resp: 4838

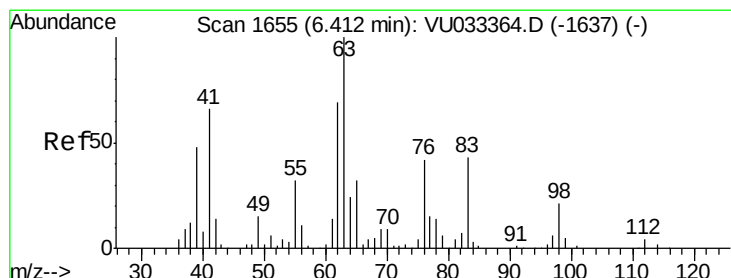
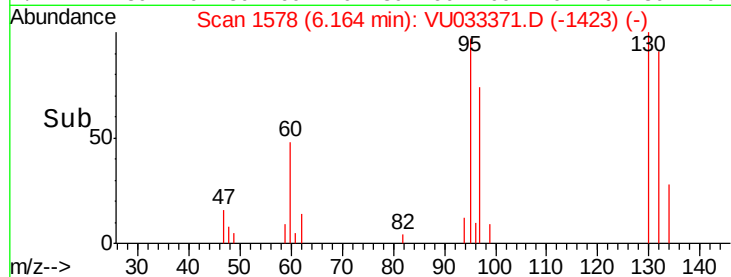
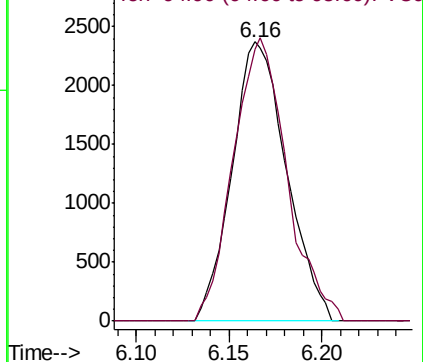
Ion Ratio Lower Upper

130 100

95 97.3 83.4 125.0



Abundance Ion 129.90 (129.60 to 130.60): VU033371.D (-1423) (-)



#38

1,2-Dichloropropane

Concen: 0.483 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU033371.D

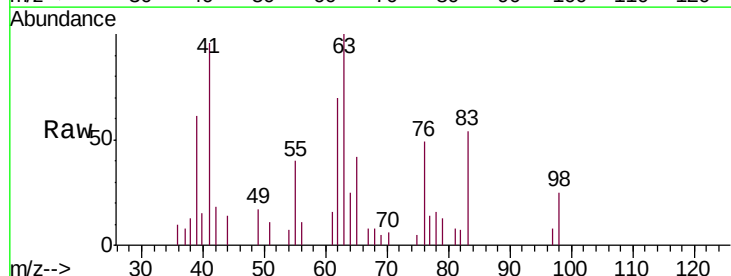
Acq: 23 Jul 2019 10:33

Tgt Ion: 63 Resp: 4500

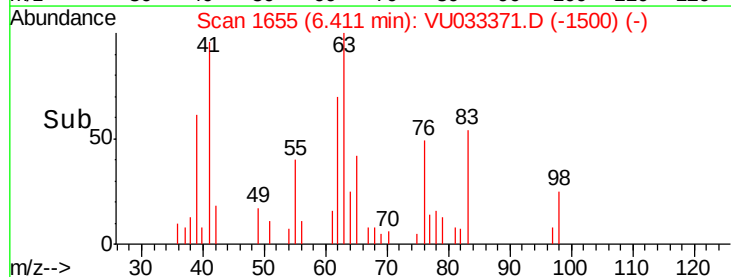
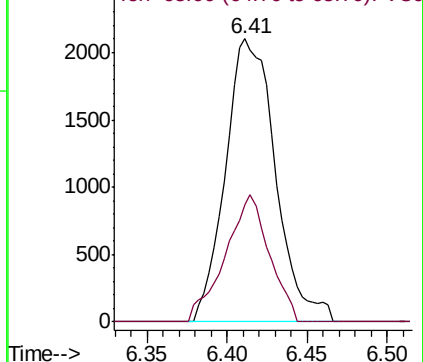
Ion Ratio Lower Upper

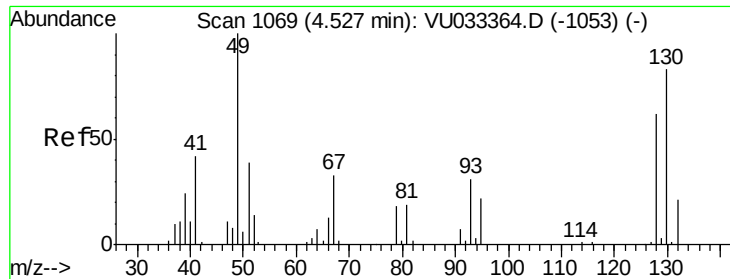
63 100

65 41.5 25.7 38.5#



Abundance Ion 63.00 (62.70 to 63.70): VU033371.D (-1500) (-)

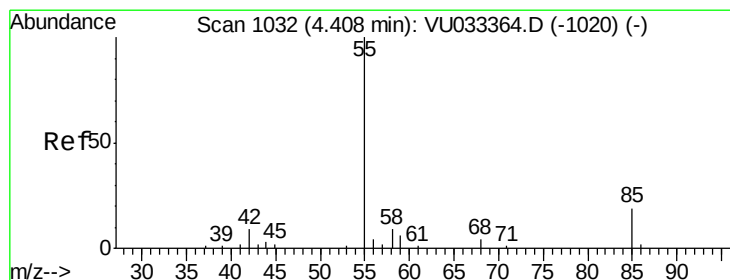
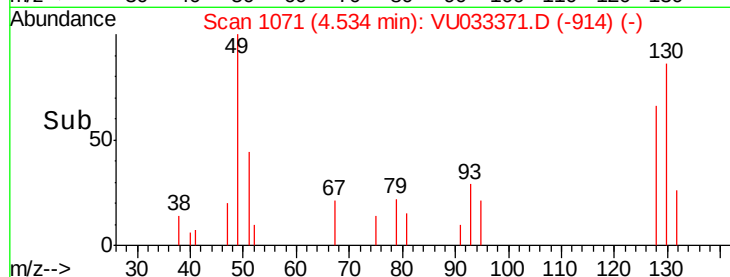
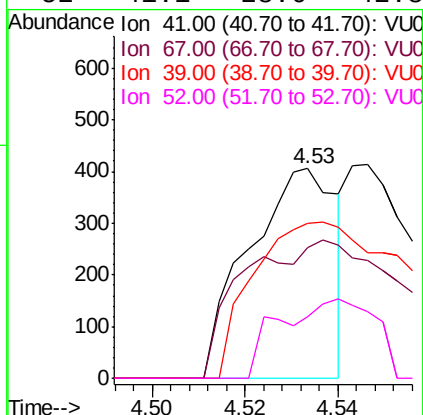
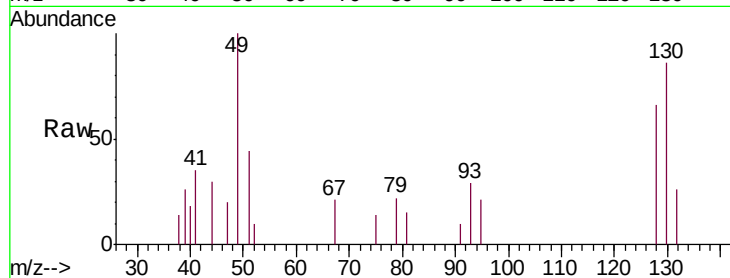




#39  
Methacrylonitrile  
Concen: 0.204 ug/l  
RT: 4.53 min Scan# 1071  
Delta R.T. 0.01 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

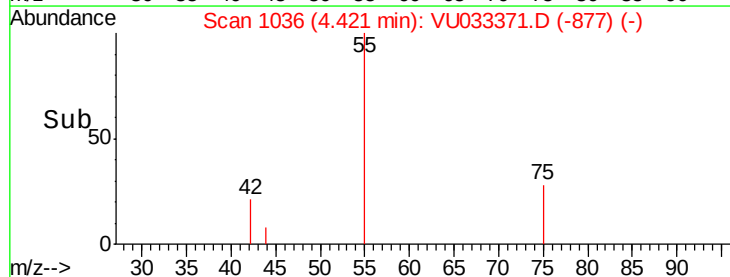
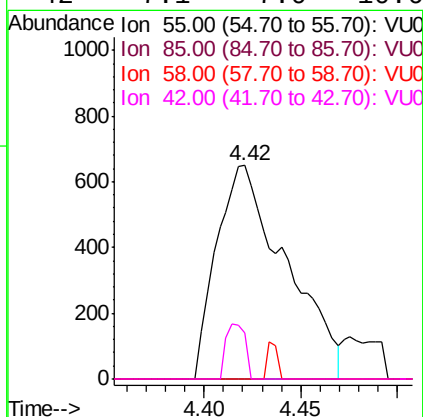
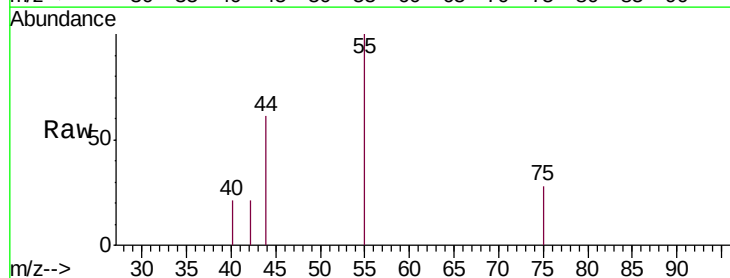
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 531   |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 67       | 142.4 | 64.4  | 96.6# |
| 39       | 133.3 | 46.8  | 70.2# |
| 52       | 41.1  | 28.6  | 42.8  |

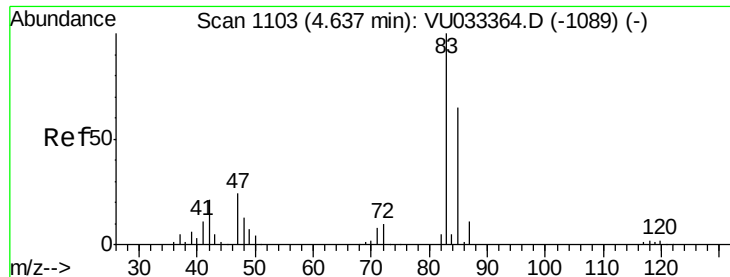


#40  
Methyl acrylate  
Concen: 0.401 ug/l  
RT: 4.42 min Scan# 1036  
Delta R.T. 0.01 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 55    | Resp: | 1621  |
| Ion      | Ratio | Lower | Upper |
| 55       | 100   |       |       |
| 85       | 0.0   | 14.8  | 22.2# |
| 58       | 2.5   | 7.1   | 10.7# |
| 42       | 7.1   | 7.0   | 10.6  |



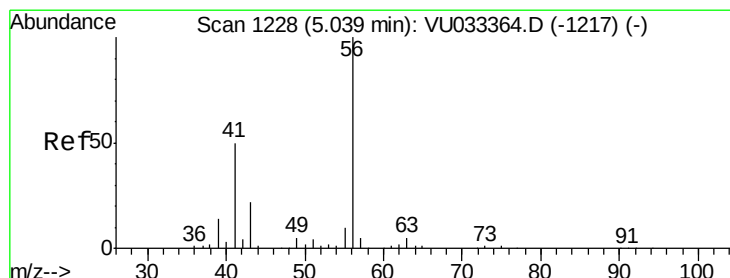
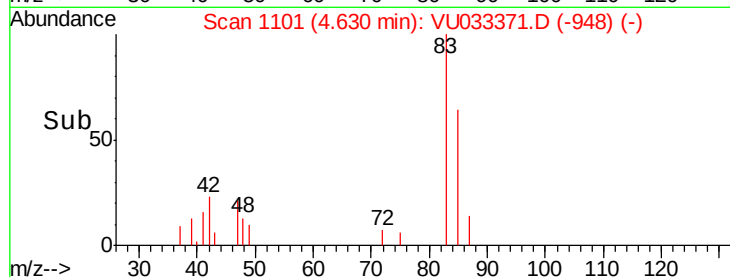
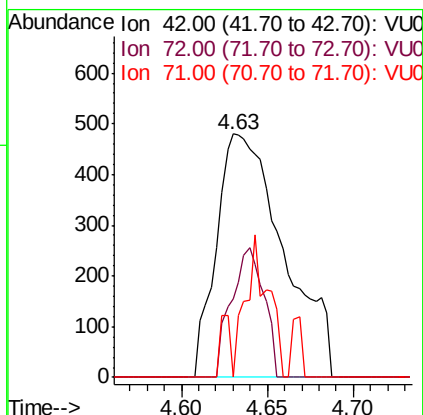
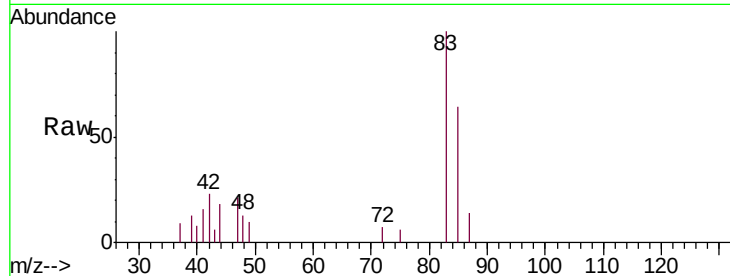




#41  
Tetrahydrofuran  
Concen: 1.005 ug/l  
RT: 4.63 min Scan# 1101  
Delta R.T. -0.01 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

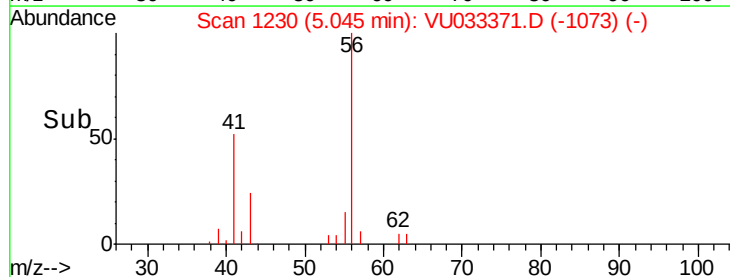
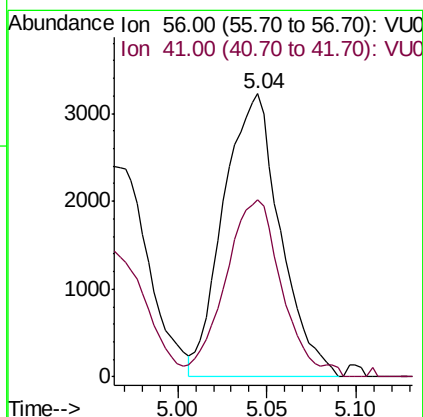
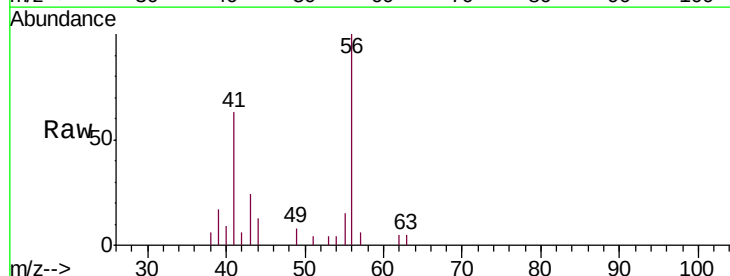
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

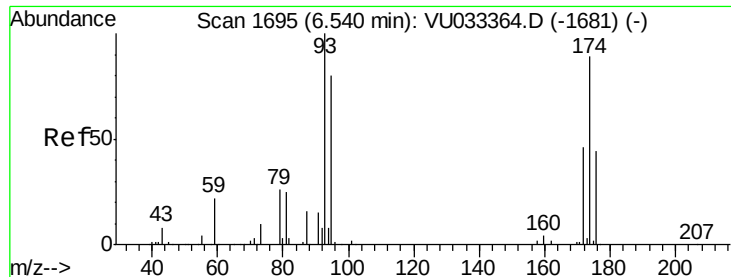
Tgt Ion: 42 Resp: 1310  
Ion Ratio Lower Upper  
42 100  
72 0.0 38.7 58.1#  
71 3.6 34.6 52.0#



#42  
1-Chlorobutane  
Concen: 0.457 ug/l  
RT: 5.04 min Scan# 1230  
Delta R.T. 0.01 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

Tgt Ion: 56 Resp: 7149  
Ion Ratio Lower Upper  
56 100  
41 62.4 25.7 77.1





#43

Dibromomethane

Concen: 0.466 ug/l

RT: 6.54 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

Instrument :

MSVOA\_U

ClientSampleId :

LOQ-WATER-02-QT3-2019

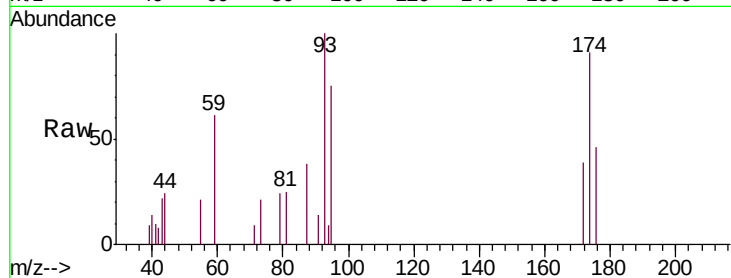
Tgt Ion: 93 Resp: 2399

Ion Ratio Lower Upper

93 100

95 87.2 65.3 97.9

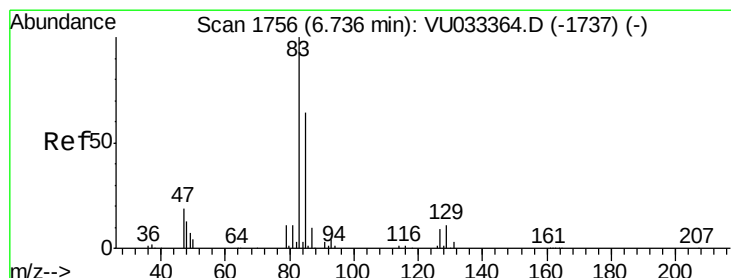
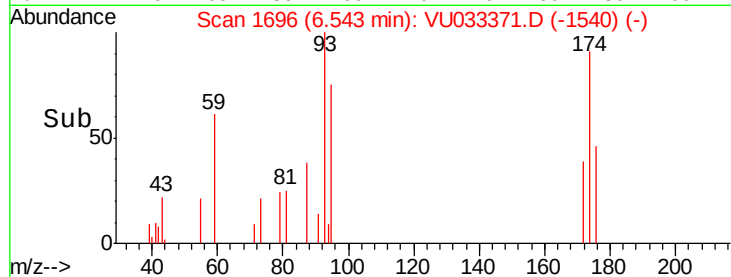
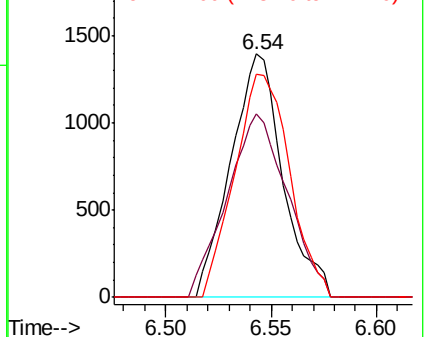
174 96.6 70.7 106.1



Abundance Ion 93.00 (92.70 to 93.70): VU033371.D (-1540) (-)

Ion 95.00 (94.70 to 95.70): VU033371.D (-1540) (-)

Ion 174.00 (173.70 to 174.70): VU033371.D (-1540) (-)



#44

Bromodichloromethane

Concen: 0.519 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

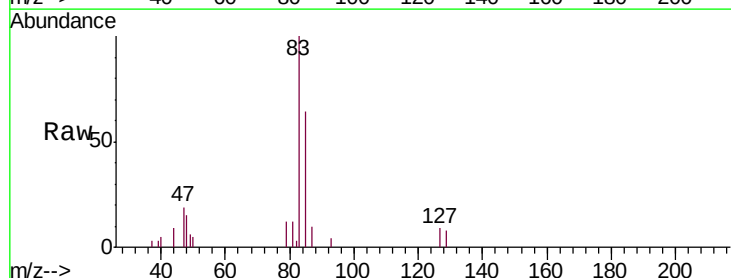
Tgt Ion: 83 Resp: 6445

Ion Ratio Lower Upper

83 100

85 64.0 51.1 76.7

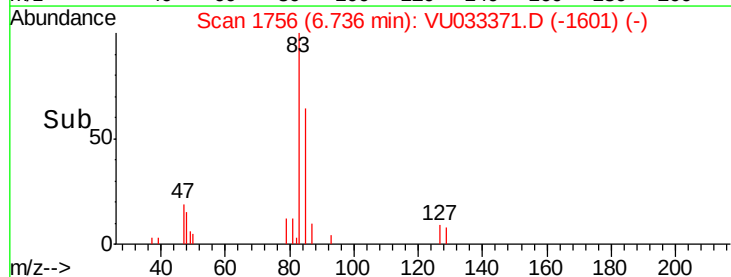
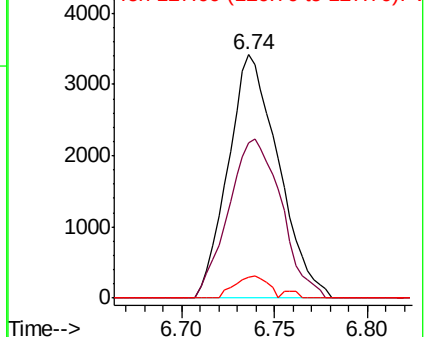
127 8.7 7.2 10.8

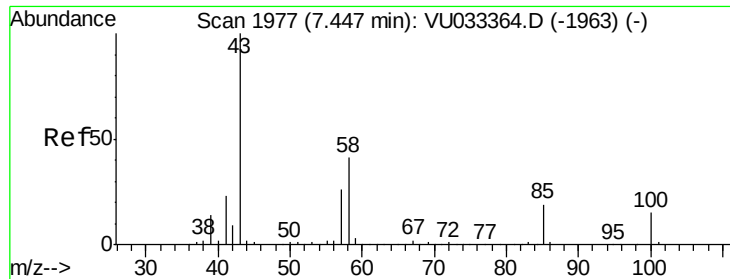


Abundance Ion 83.00 (82.70 to 83.70): VU033371.D (-1601) (-)

Ion 85.00 (84.70 to 85.70): VU033371.D (-1601) (-)

Ion 127.00 (126.70 to 127.70): VU033371.D (-1601) (-)





#45

4-Methyl-2-Pentanone

Concen: 2.312 ug/l

RT: 7.45 min Scan# 1978

Delta R.T. 0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

Instrument :

MSVOA\_U

ClientSampleId :

LOQ-WATER-02-QT3-2019

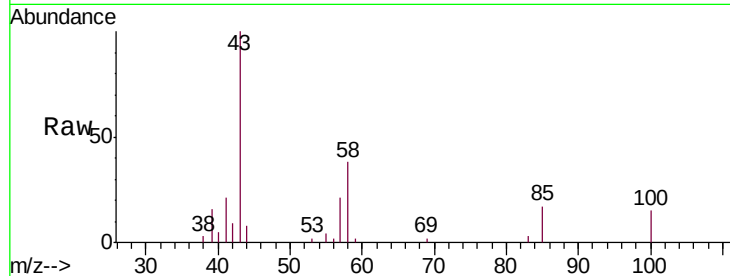
Tgt Ion: 43 Resp: 12152

Ion Ratio Lower Upper

43 100

58 34.2 20.3 60.8

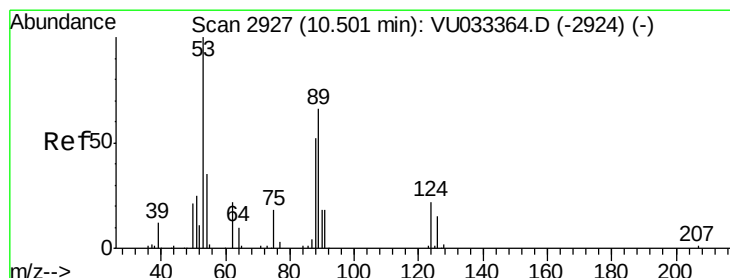
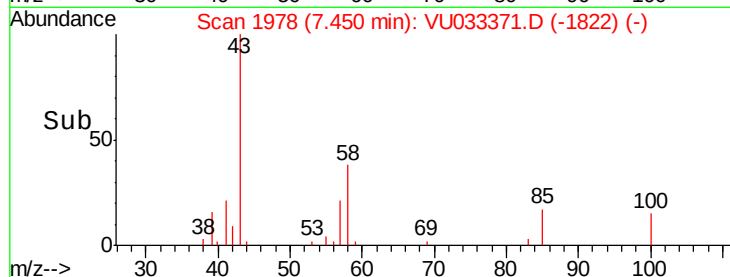
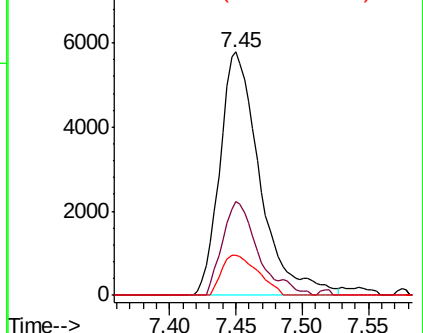
85 14.9 15.0 22.6#



Abundance Ion 43.00 (42.70 to 43.70): VU033364.D (-1963) (-)

Ion 58.00 (57.70 to 58.70): VU033364.D (-1963) (-)

Ion 85.00 (84.70 to 85.70): VU033364.D (-1963) (-)



#46

t-1,4-Dichloro-2-butene

Concen: 1.353 ug/l

RT: 10.48 min Scan# 2921

Delta R.T. -0.02 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

Tgt Ion: 75 Resp: 2869

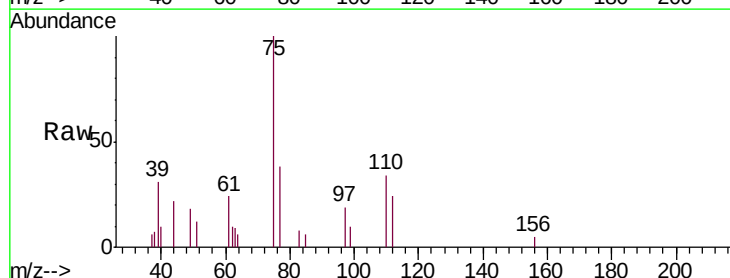
Ion Ratio Lower Upper

75 100

53 54.8 62.9 94.3#

89 29.1 43.0 64.4#

88 24.0 35.0 52.4#

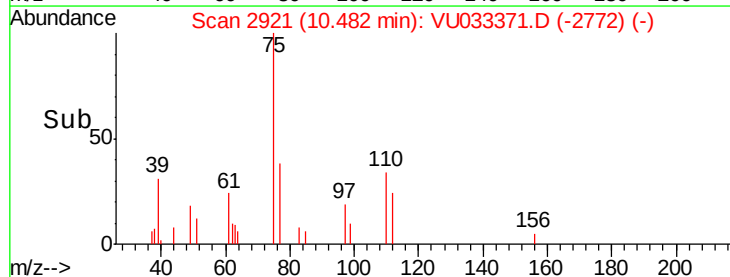
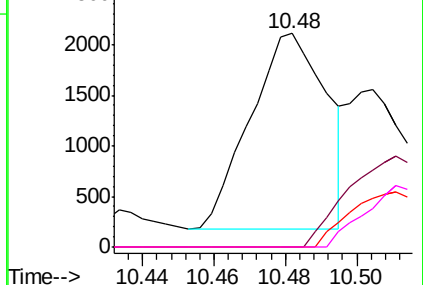


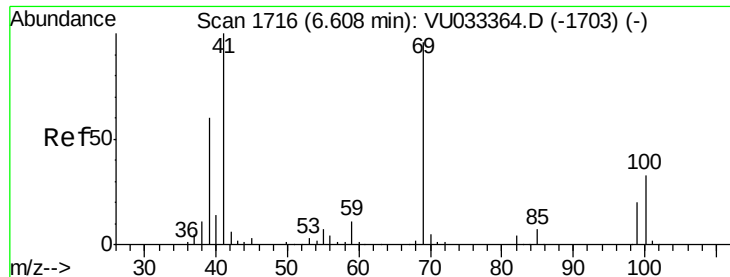
Abundance Ion 74.90 (74.60 to 75.60): VU033364.D (-2924) (-)

Ion 53.00 (52.70 to 53.70): VU033364.D (-2924) (-)

Ion 88.80 (88.50 to 89.50): VU033364.D (-2924) (-)

Ion 87.80 (87.50 to 88.50): VU033364.D (-2924) (-)

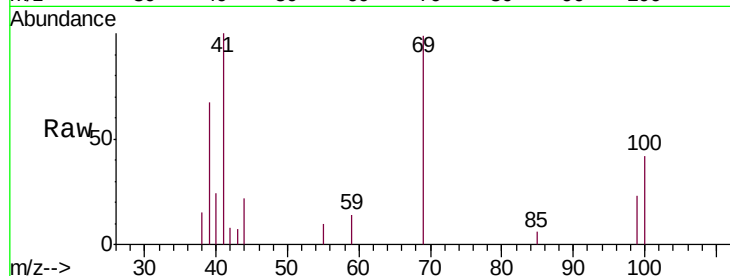




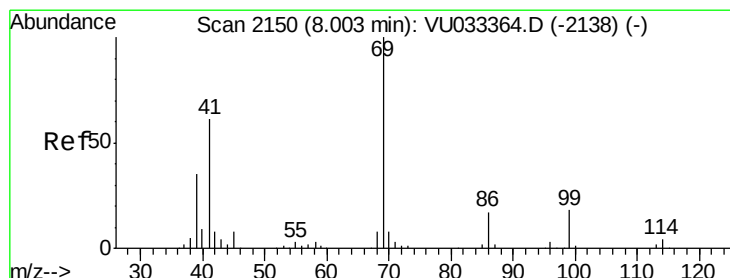
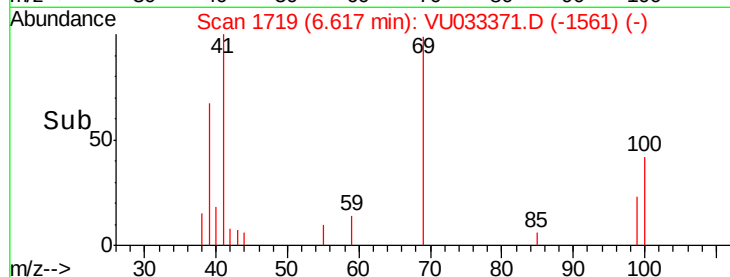
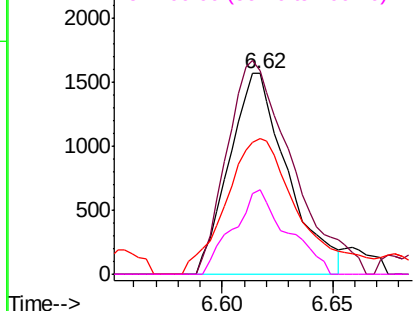
#47  
Methyl methacrylate  
Concen: 0.731 ug/l  
RT: 6.62 min Scan# 1719  
Delta R.T. 0.01 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

Tgt Ion: 69 Resp: 2873  
Ion Ratio Lower Upper  
69 100  
41 119.0 0.0 208.2  
39 84.1 50.6 75.8#  
100 38.9 27.2 40.8

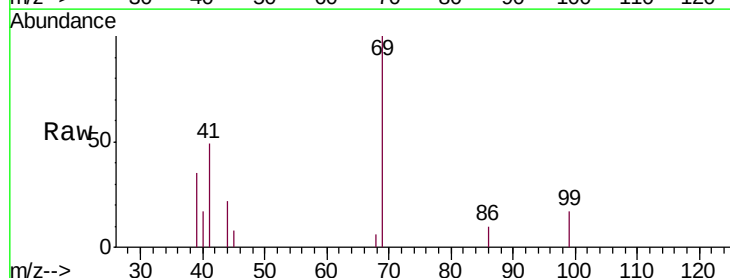


Abundance Ion 69.00 (68.70 to 69.70): VU0  
Ion 41.00 (40.70 to 41.70): VU0  
Ion 39.00 (38.70 to 39.70): VU0  
Ion 100.00 (99.70 to 100.70): VU0

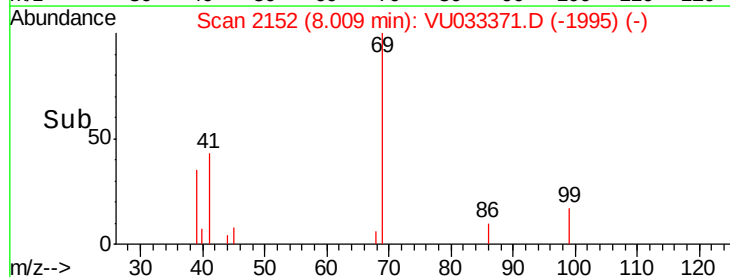
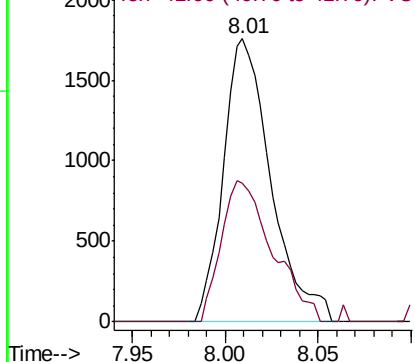


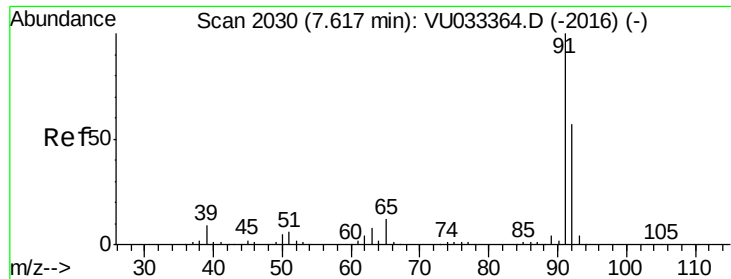
#48  
Ethyl methacrylate  
Concen: 0.452 ug/l  
RT: 8.01 min Scan# 2152  
Delta R.T. 0.01 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

Tgt Ion: 69 Resp: 3131  
Ion Ratio Lower Upper  
69 100  
41 53.6 30.9 92.7



Abundance Ion 69.00 (68.70 to 69.70): VU0  
Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 0.472 ug/l

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

Instrument :

MSVOA\_U

ClientSampleId :

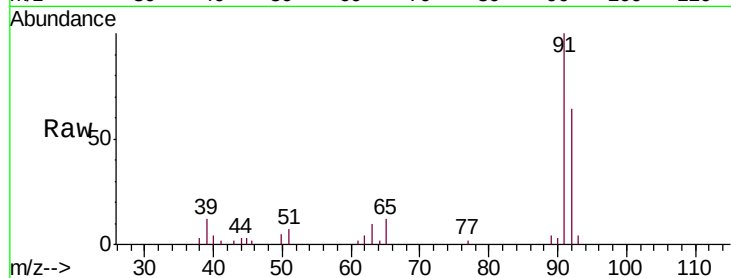
LOQ-WATER-02-QT3-2019

Tgt Ion: 92 Resp: 9122

Ion Ratio Lower Upper

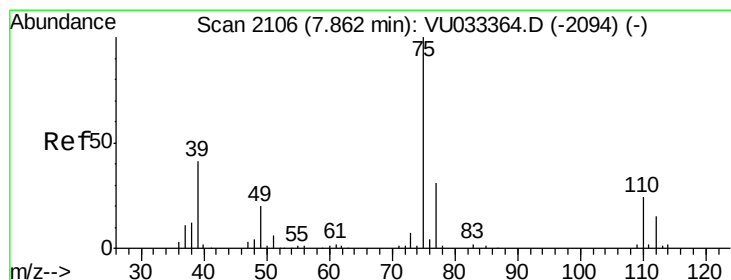
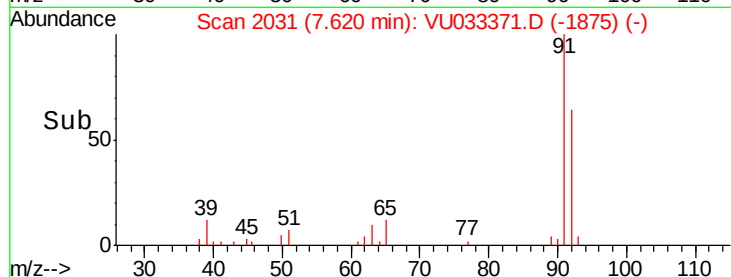
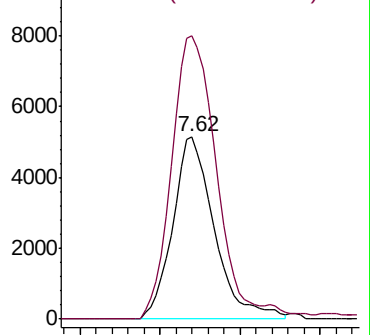
92 100

91 167.9 142.1 213.1



Abundance Ion 92.00 (91.70 to 92.70): VU033364.D (-2016) (-)

Ion 91.00 (90.70 to 91.70): VU033364.D (-2016) (-)



#50

t-1,3-Dichloropropene

Concen: 0.443 ug/l

RT: 7.87 min Scan# 2109

Delta R.T. 0.01 min

Lab File: VU033371.D

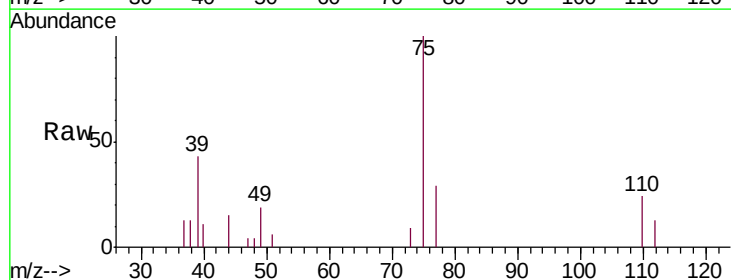
Acq: 23 Jul 2019 10:33

Tgt Ion: 75 Resp: 4596

Ion Ratio Lower Upper

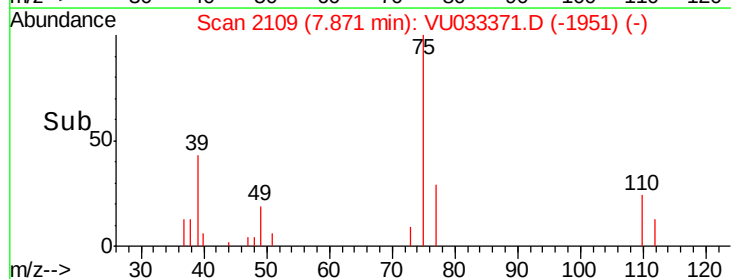
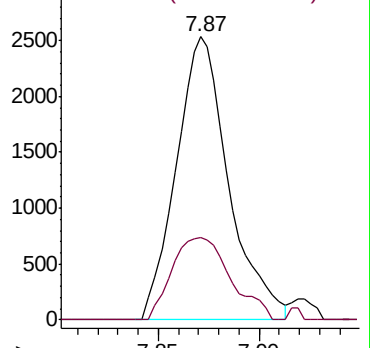
75 100

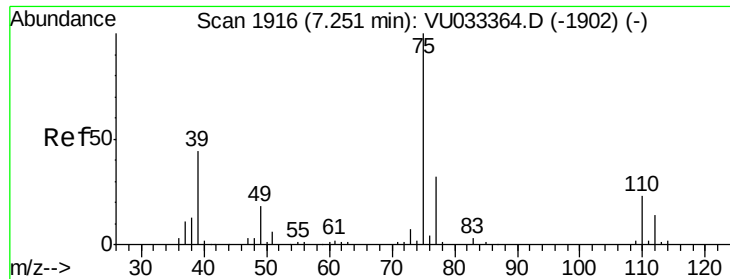
77 29.2 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU033364.D (-2094) (-)

Ion 77.00 (76.70 to 77.70): VU033364.D (-2094) (-)

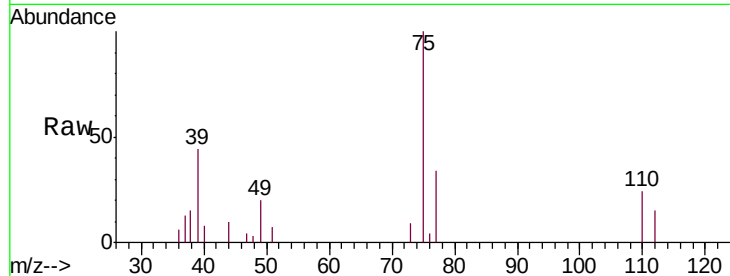




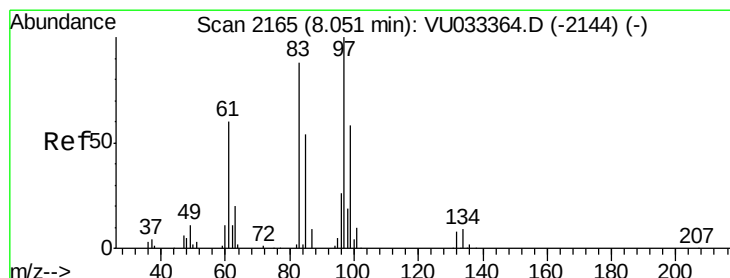
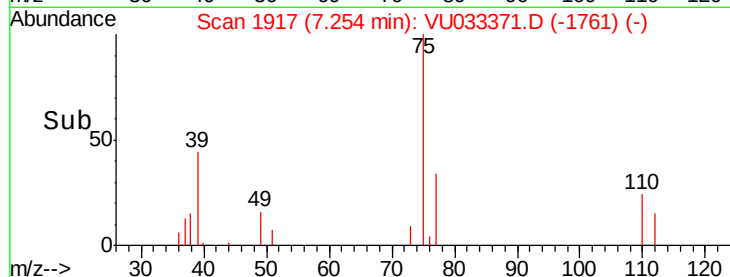
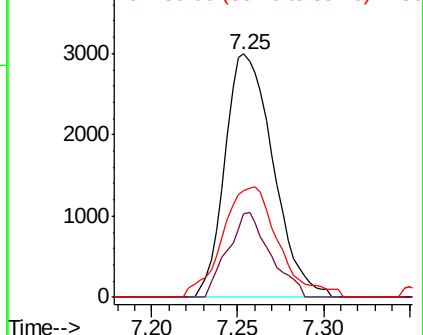
#51  
 cis-1,3-Dichloropropene  
 Concen: 0.478 ug/l  
 RT: 7.25 min Scan# 1917  
 Delta R.T. 0.00 min  
 Lab File: VU033371.D  
 Acq: 23 Jul 2019 10:33

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOQ-WATER-02-QT3-2019

Tgt Ion: 75 Resp: 5843  
 Ion Ratio Lower Upper  
 75 100  
 77 34.1 25.8 38.8  
 39 40.3 35.2 52.8

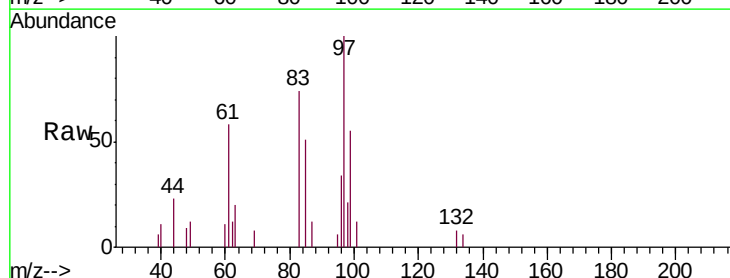


Abundance Ion 75.00 (74.70 to 75.70): VU0  
 Ion 77.00 (76.70 to 77.70): VU0  
 Ion 39.00 (38.70 to 39.70): VU0

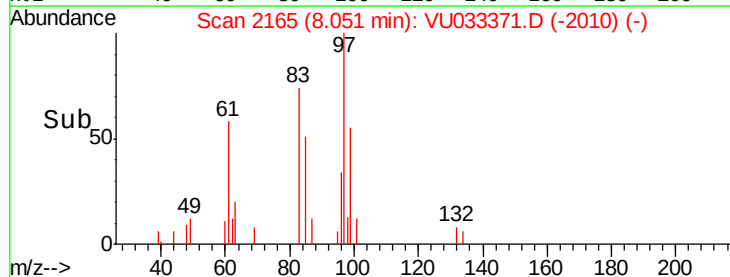
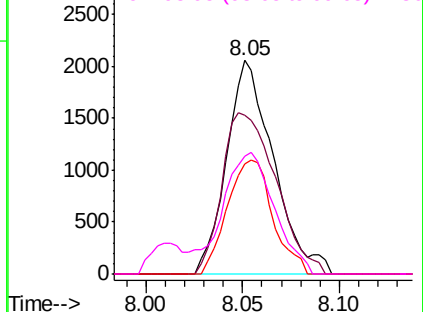


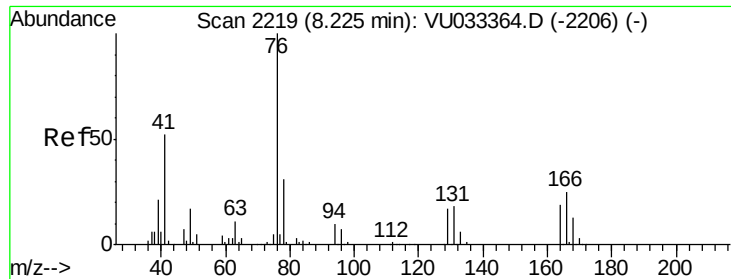
#52  
 1,1,2-Trichloroethane  
 Concen: 0.501 ug/l  
 RT: 8.05 min Scan# 2165  
 Delta R.T. -0.00 min  
 Lab File: VU033371.D  
 Acq: 23 Jul 2019 10:33

Tgt Ion: 97 Resp: 3453  
 Ion Ratio Lower Upper  
 97 100  
 83 74.4 70.2 105.2  
 85 51.4 43.5 65.3  
 99 54.9 47.9 71.9



Abundance Ion 97.00 (96.70 to 97.70): VU0  
 Ion 82.95 (82.65 to 83.65): VU0  
 Ion 84.95 (84.65 to 85.65): VU0  
 Ion 98.95 (98.65 to 99.65): VU0

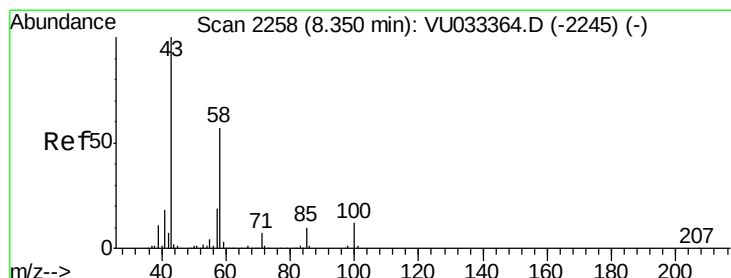
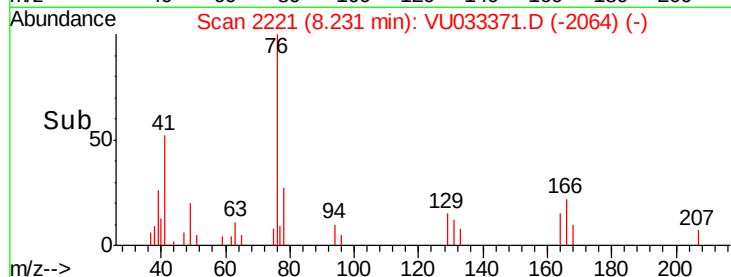
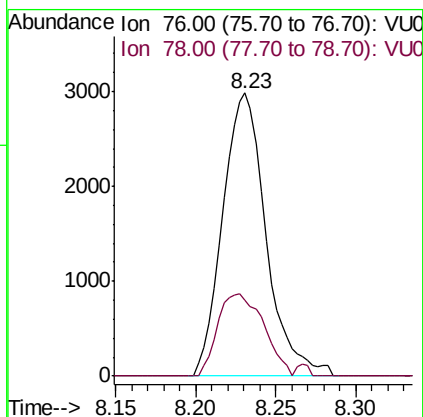
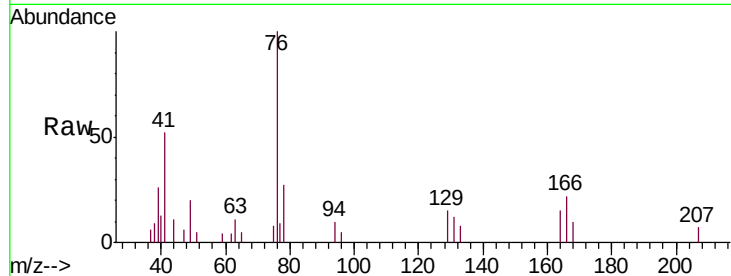




#53  
 1,3-Dichloropropane  
 Concen: 0.474 ug/l  
 RT: 8.23 min Scan# 2221  
 Delta R.T. 0.01 min  
 Lab File: VU033371.D  
 Acq: 23 Jul 2019 10:33

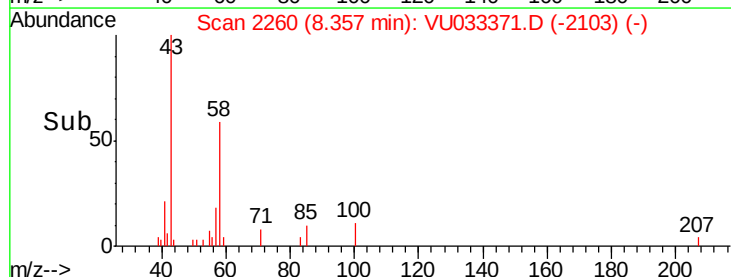
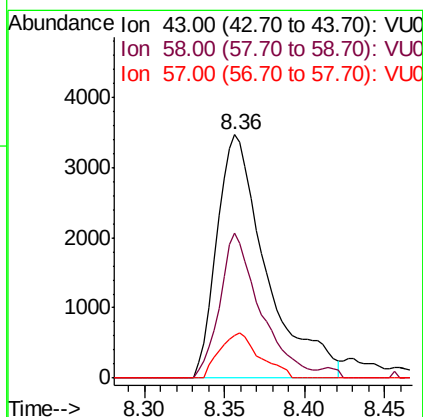
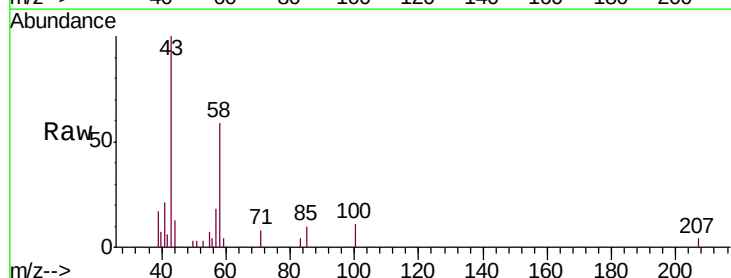
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOQ-WATER-02-QT3-2019

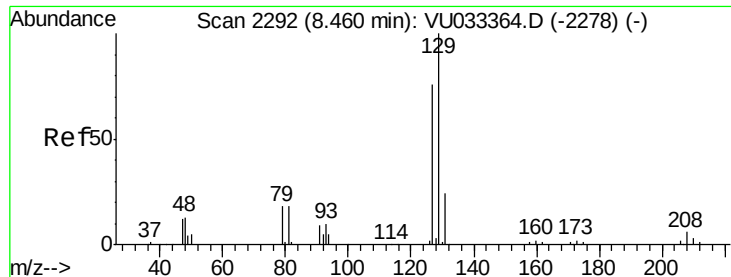
Tgt Ion: 76 Resp: 5522  
 Ion Ratio Lower Upper  
 76 100  
 78 30.9 25.7 38.5



#54  
 2-Hexanone  
 Concen: 1.983 ug/l  
 RT: 8.36 min Scan# 2260  
 Delta R.T. 0.01 min  
 Lab File: VU033371.D  
 Acq: 23 Jul 2019 10:33

Tgt Ion: 43 Resp: 7337  
 Ion Ratio Lower Upper  
 43 100  
 58 48.6 36.0 76.0  
 57 15.0 0.0 39.4





#55

Dibromochloromethane

Concen: 0.495 ug/l

RT: 8.46 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

Instrument :

MSVOA\_U

ClientSampleId :

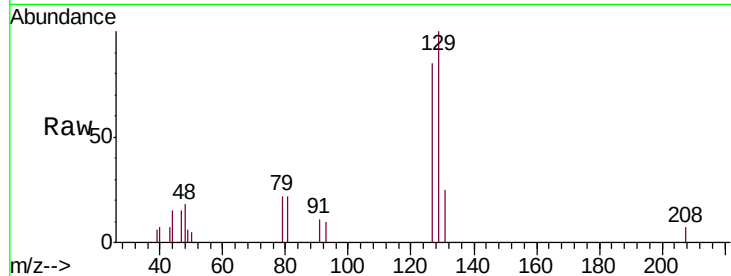
LOQ-WATER-02-QT3-2019

Tgt Ion:129 Resp: 3982

Ion Ratio Lower Upper

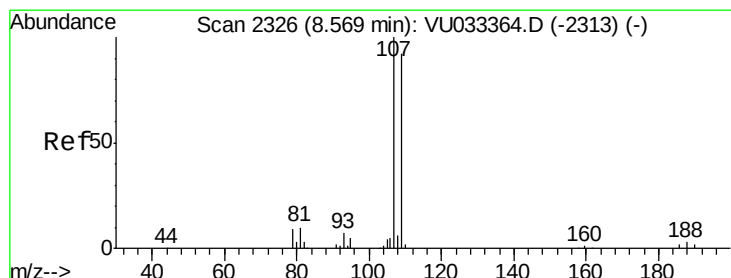
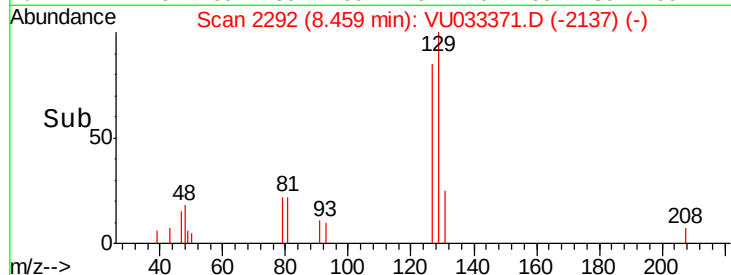
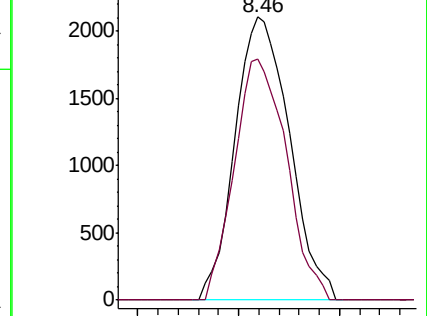
129 100

127 81.4 60.9 91.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.447 ug/l

RT: 8.58 min Scan# 2328

Delta R.T. 0.01 min

Lab File: VU033371.D

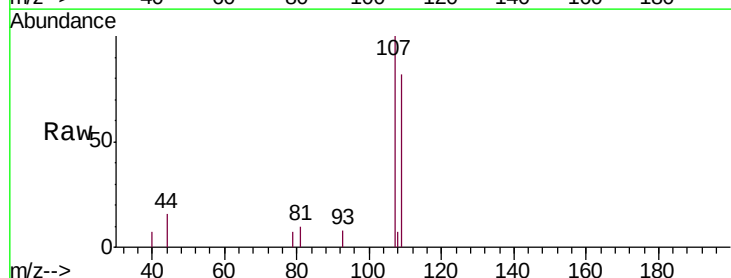
Acq: 23 Jul 2019 10:33

Tgt Ion:107 Resp: 2871

Ion Ratio Lower Upper

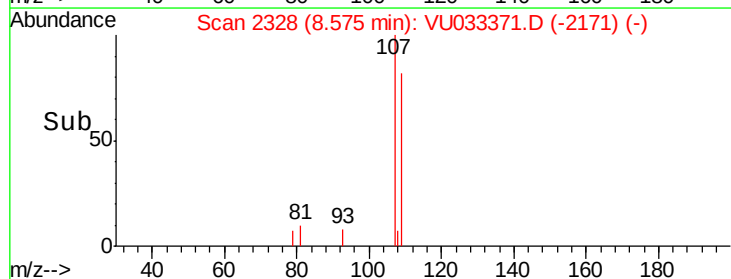
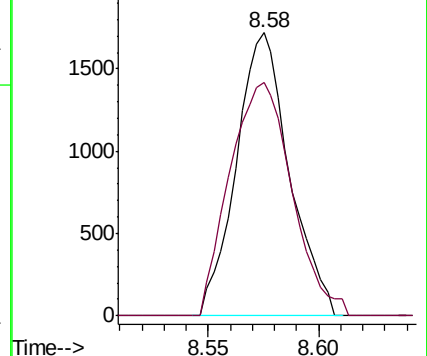
107 100

109 96.5 0.0 184.8

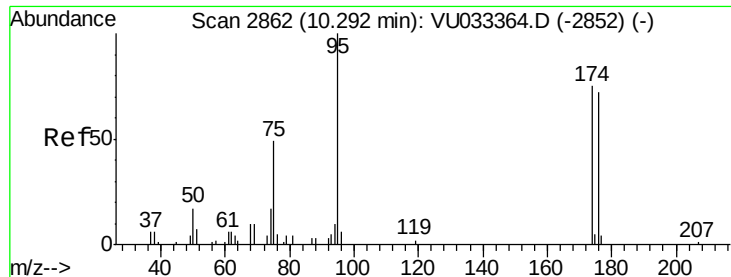


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



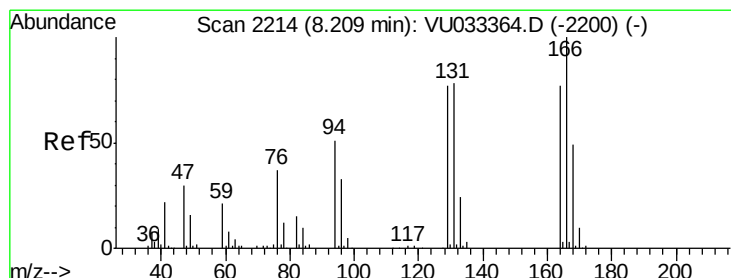
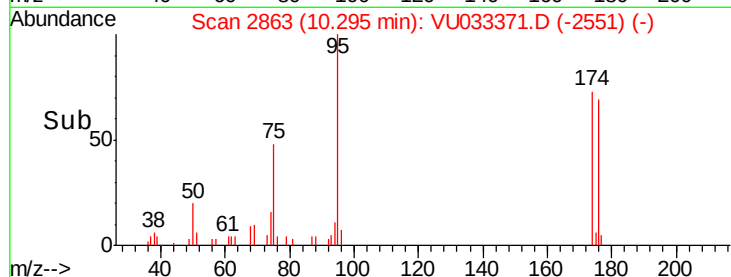
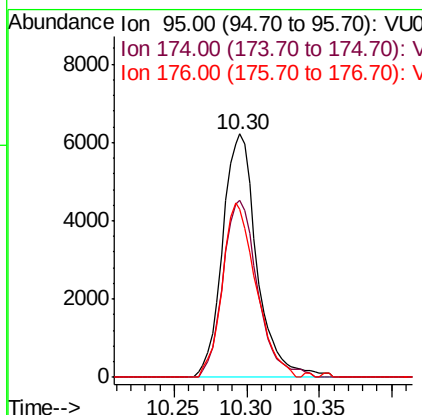
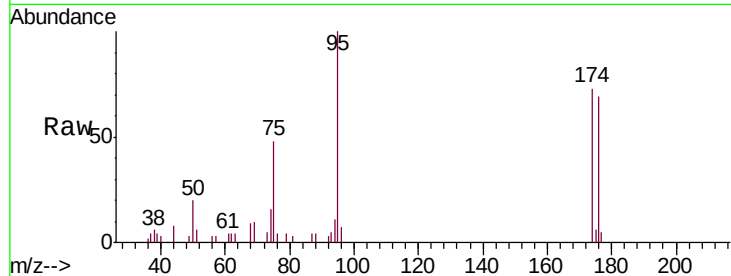




#57  
4-Bromofluorobenzene  
Concen: 0.924 ug/l  
RT: 10.30 min Scan# 2863  
Delta R.T. 0.00 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

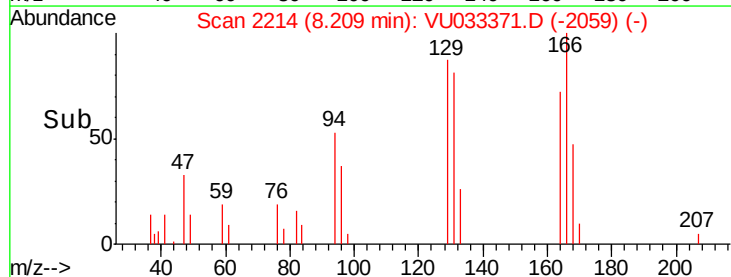
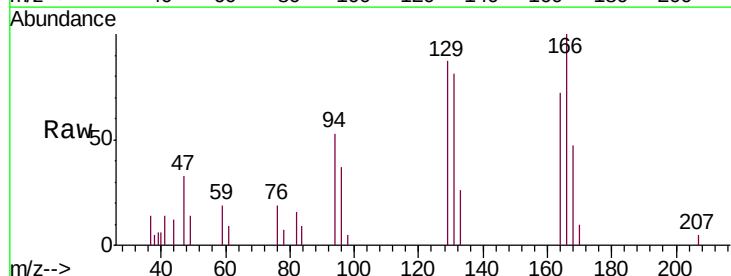
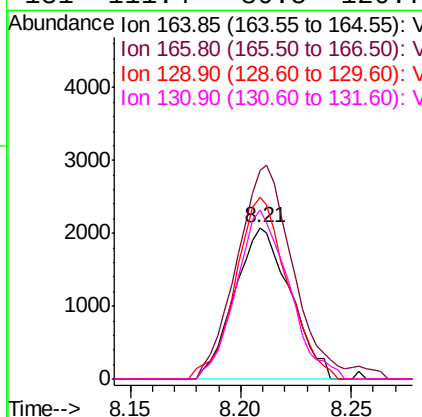
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

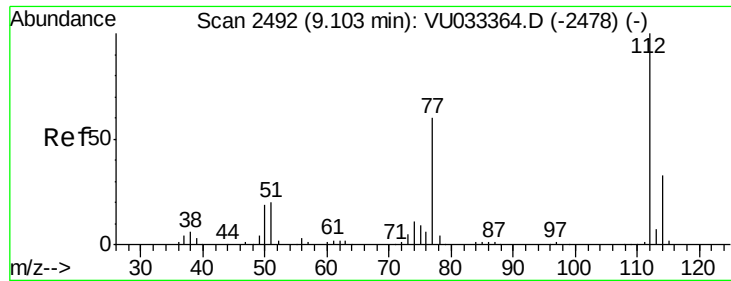
Tgt Ion: 95 Resp: 10246  
Ion Ratio Lower Upper  
95 100  
174 73.6 58.8 88.2  
176 70.2 54.4 81.6



#58  
Tetrachloroethene  
Concen: 0.449 ug/l  
RT: 8.21 min Scan# 2214  
Delta R.T. -0.00 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

Tgt Ion: 164 Resp: 3629  
Ion Ratio Lower Upper  
164 100  
166 138.0 103.8 155.6  
129 120.7 79.7 119.5#  
131 111.4 80.5 120.7

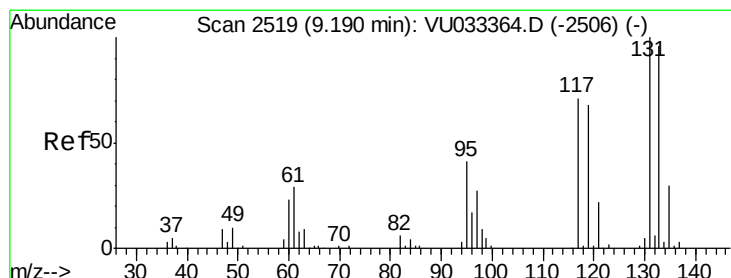
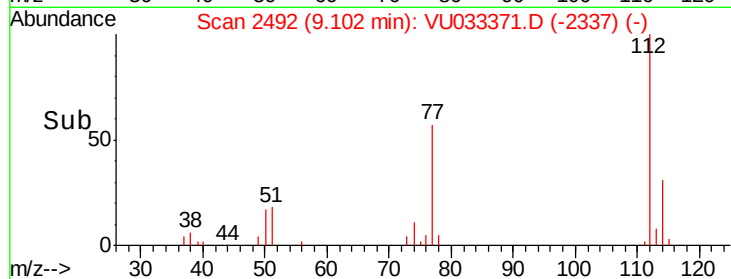
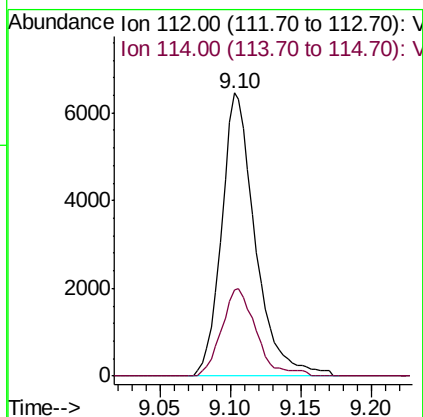
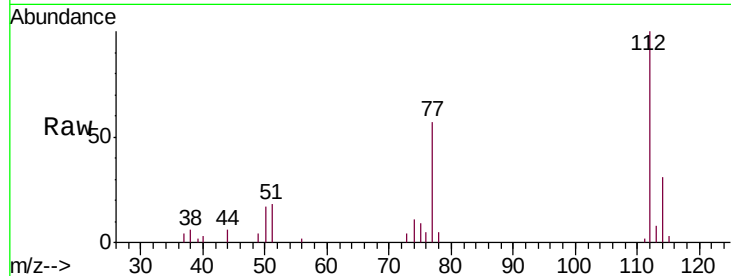




#59  
Chlorobenzene  
Concen: 0.485 ug/l  
RT: 9.10 min Scan# 2492  
Delta R.T. -0.00 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

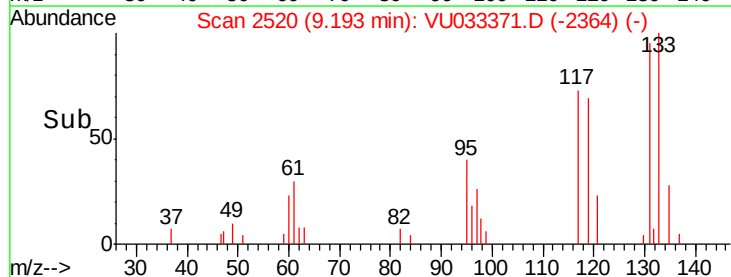
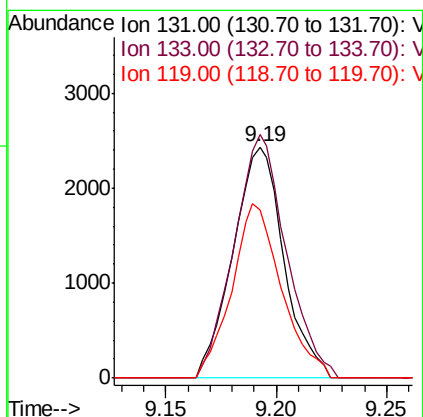
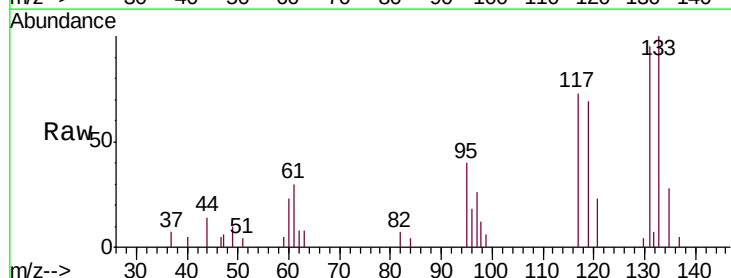
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

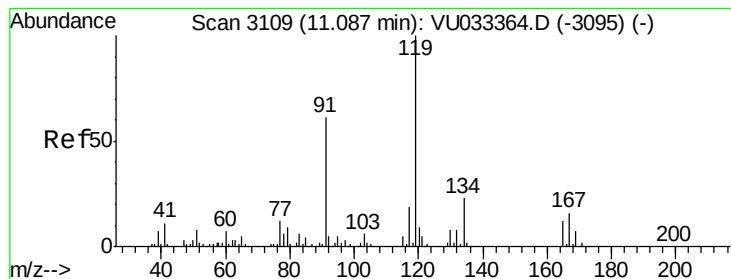
Tgt Ion:112 Resp: 10736  
Ion Ratio Lower Upper  
112 100  
114 30.7 26.4 39.6



#60  
1,1,1,2-Tetrachloroethane  
Concen: 0.464 ug/l  
RT: 9.19 min Scan# 2520  
Delta R.T. 0.00 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

Tgt Ion:131 Resp: 3901  
Ion Ratio Lower Upper  
131 100  
133 108.1 76.2 114.4  
119 73.7 54.9 82.3





#61

Pentachloroethane

Concen: 0.541 ug/l

RT: 11.09 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

Instrument :

MSVOA\_U

ClientSampleId :

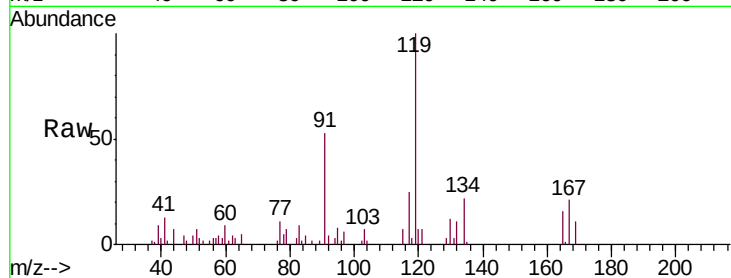
LOQ-WATER-02-QT3-2019

Tgt Ion:117 Resp: 3735

Ion Ratio Lower Upper

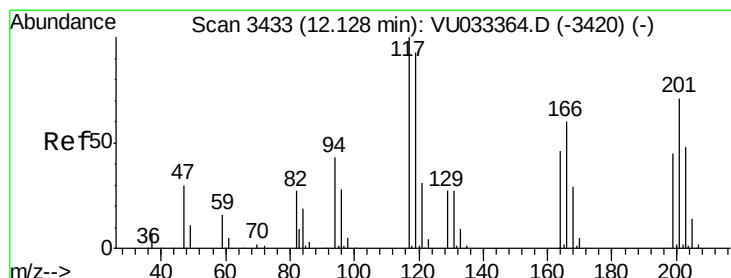
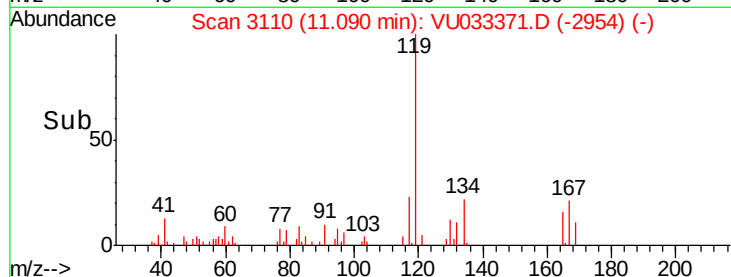
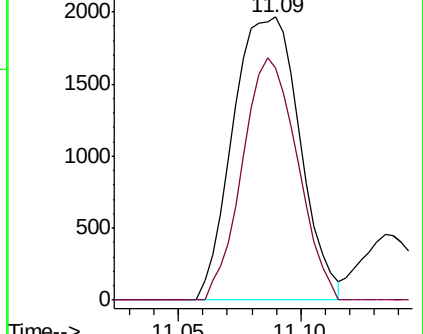
117 100

167 70.5 63.4 95.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 0.500 ug/l

RT: 12.13 min Scan# 3433

Delta R.T. -0.00 min

Lab File: VU033371.D

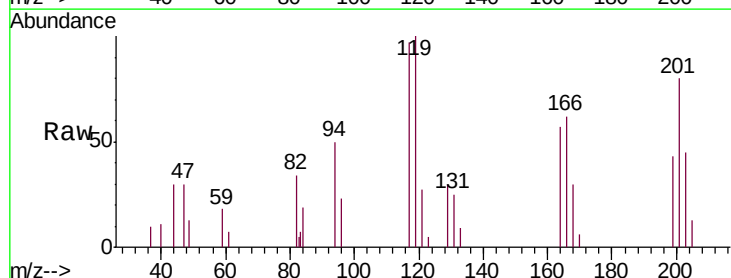
Acq: 23 Jul 2019 10:33

Tgt Ion:117 Resp: 3342

Ion Ratio Lower Upper

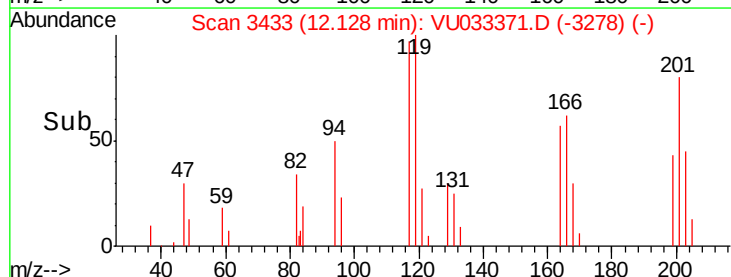
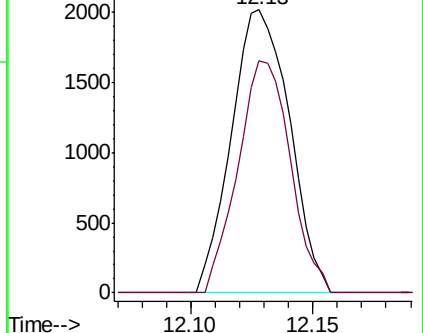
117 100

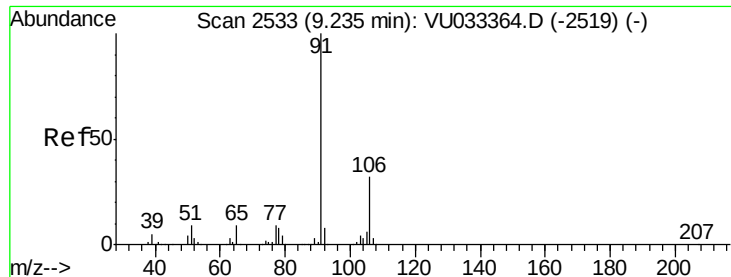
201 74.0 57.9 86.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

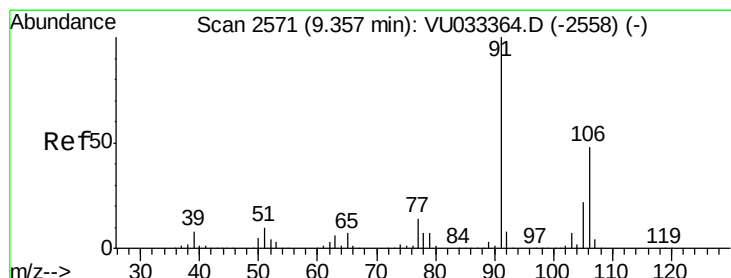
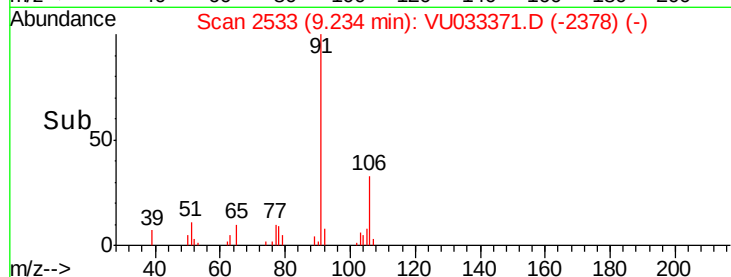
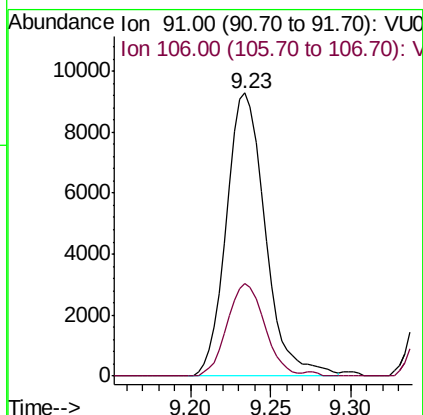
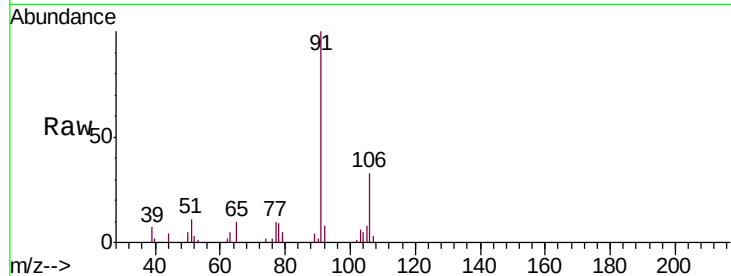




#63  
Ethyl Benzene  
Concen: 0.433 ug/l  
RT: 9.23 min Scan# 2533  
Delta R.T. -0.00 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

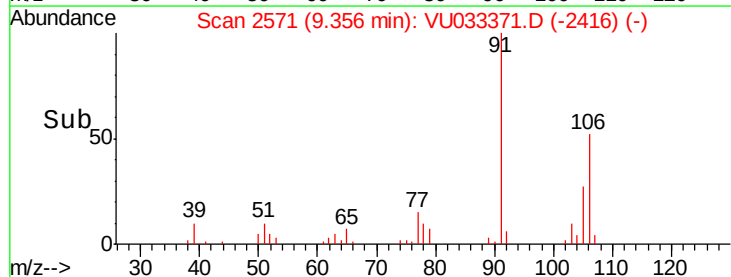
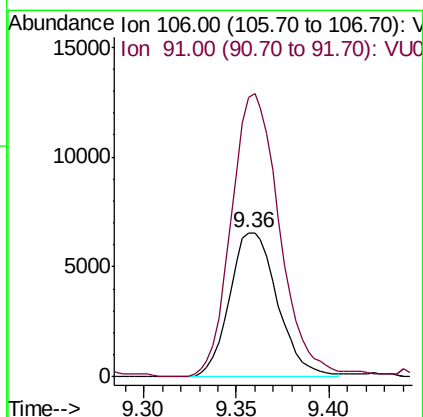
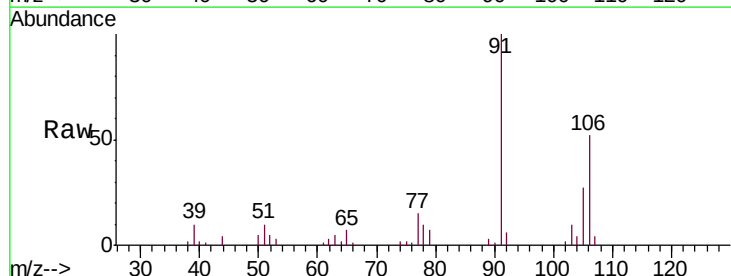
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

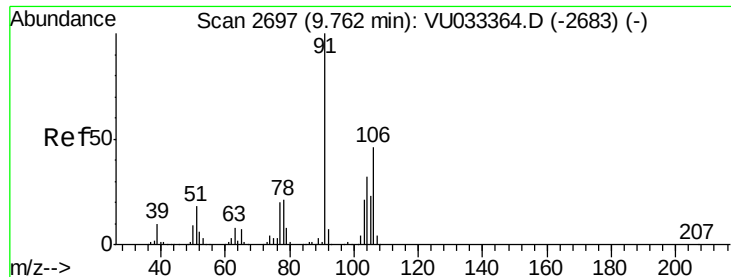
Tgt Ion: 91 Resp: 15395  
Ion Ratio Lower Upper  
91 100  
106 32.9 25.4 38.2



#64  
m/p-Xylenes  
Concen: 0.827 ug/l  
RT: 9.36 min Scan# 2571  
Delta R.T. -0.00 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

Tgt Ion: 106 Resp: 11762  
Ion Ratio Lower Upper  
106 100  
91 198.0 167.1 250.7





#65

o-Xylene

Concen: 0.395 ug/l

RT: 9.76 min Scan# 2698

Delta R.T. 0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

Instrument :

MSVOA\_U

ClientSampleId :

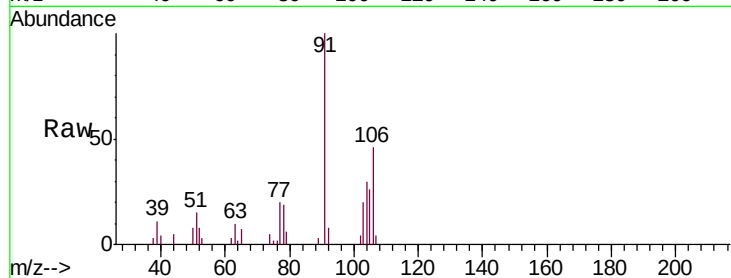
LOQ-WATER-02-QT3-2019

Tgt Ion:106 Resp: 5381

Ion Ratio Lower Upper

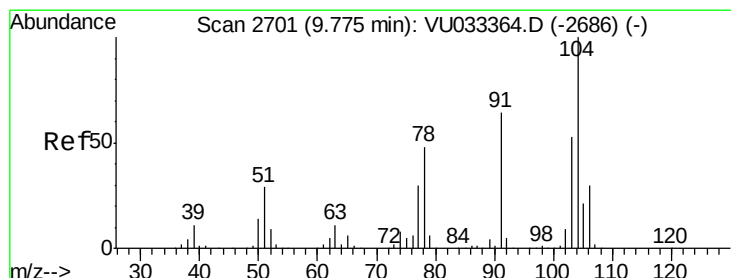
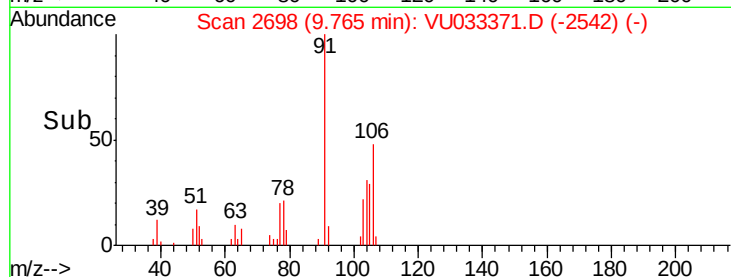
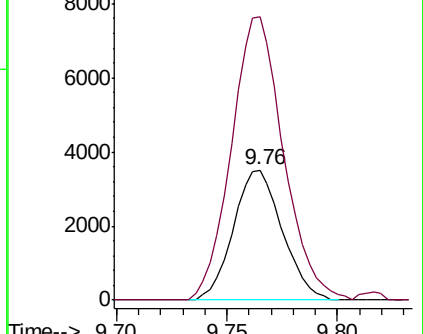
106 100

91 232.3 108.5 325.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 0.376 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

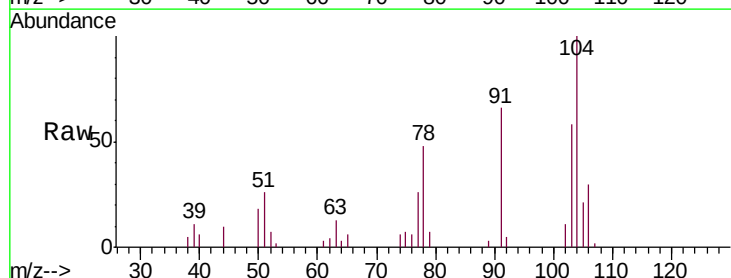
Tgt Ion:104 Resp: 8687

Ion Ratio Lower Upper

104 100

78 50.7 41.2 61.8

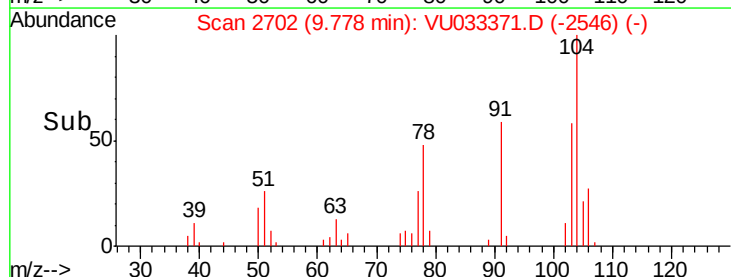
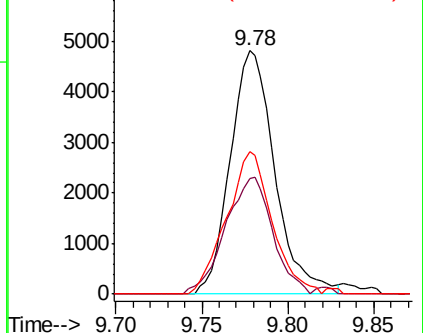
103 59.8 44.7 67.1

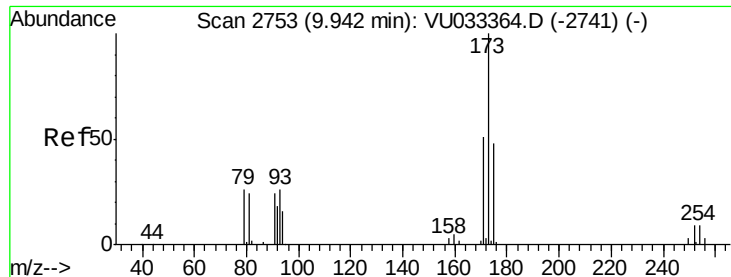


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 0.467 ug/l

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

Instrument :

MSVOA\_U

ClientSampleId :

LOQ-WATER-02-QT3-2019

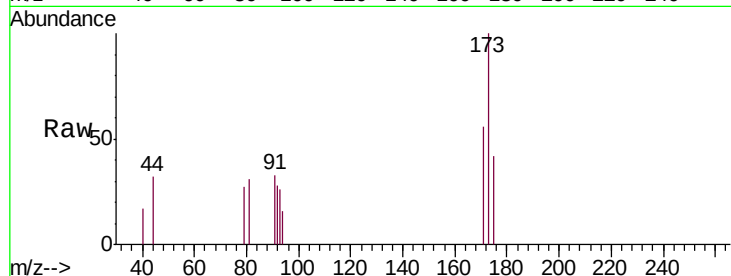
Tgt Ion:173 Resp: 2033

Ion Ratio Lower Upper

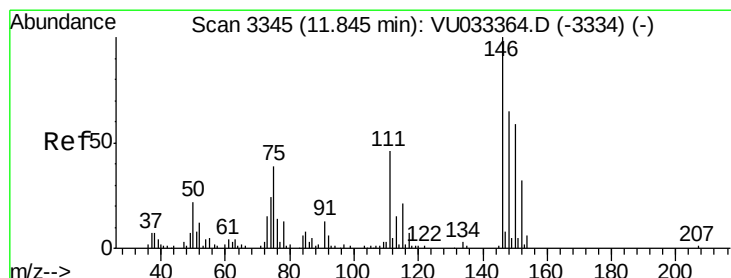
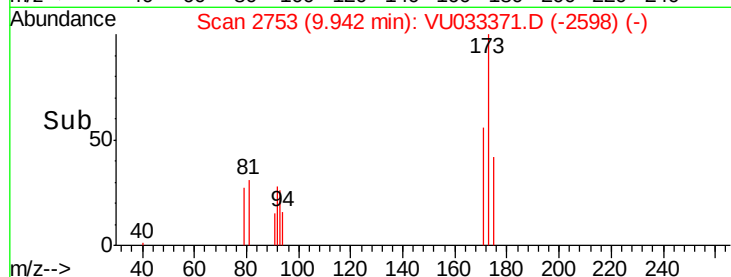
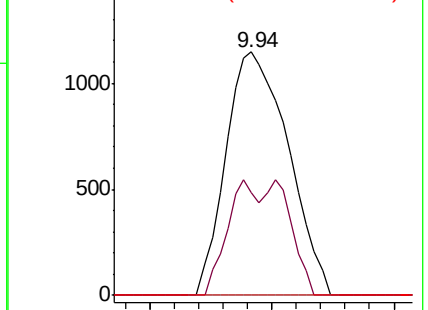
173 100

175 24.5 38.6 58.0#

254 0.0 6.8 10.2#



Abundance Ion 172.90 (172.60 to 173.60): V  
Ion 174.90 (174.60 to 175.60): V  
Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.914 ug/l

RT: 11.85 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

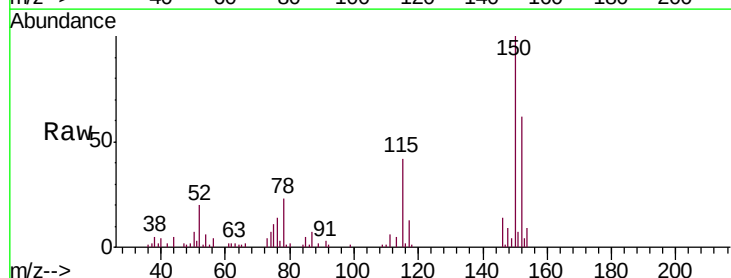
Tgt Ion:152 Resp: 10455

Ion Ratio Lower Upper

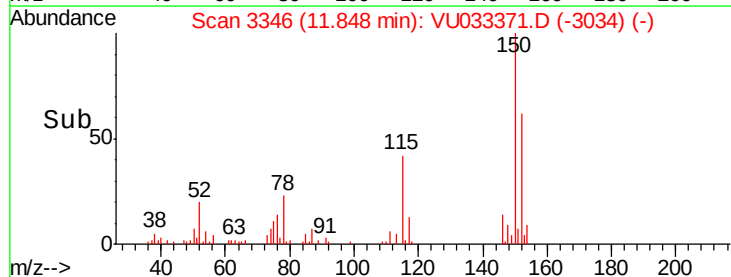
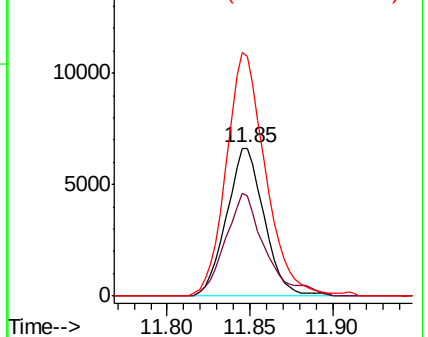
152 100

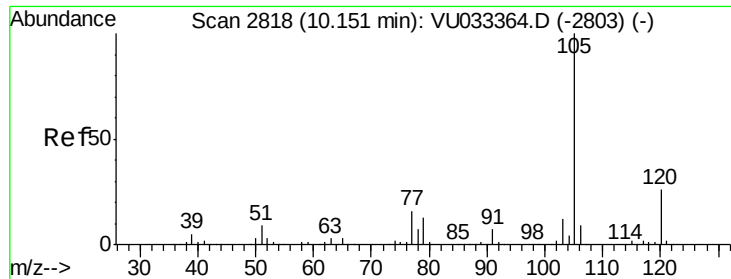
115 73.5 0.0 123.2

150 172.3 0.0 648.4



Abundance Ion 152.00 (151.70 to 152.70): V  
Ion 115.00 (114.70 to 115.70): V  
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.409 ug/l

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

Instrument :

MSVOA\_U

ClientSampleId :

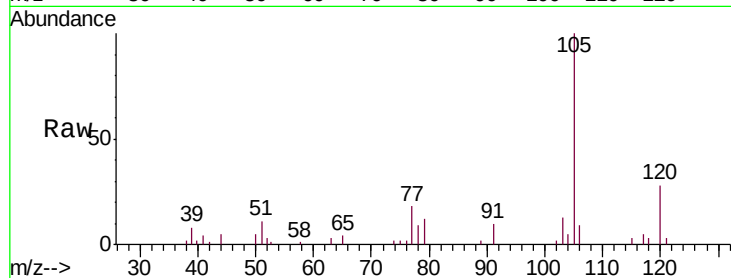
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Tgt Ion: 105 Resp: 14289

Ion Ratio Lower Upper

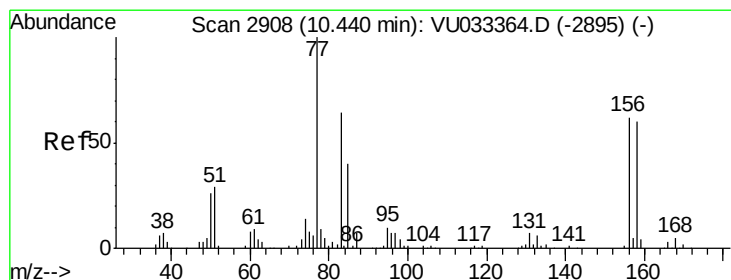
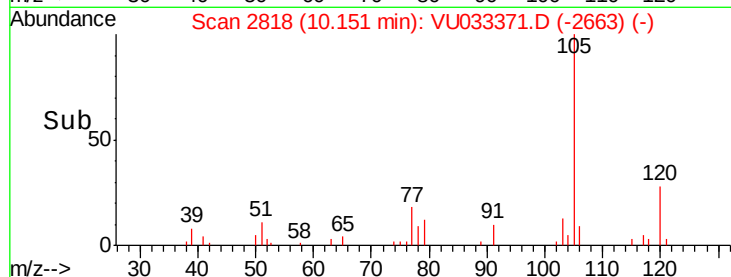
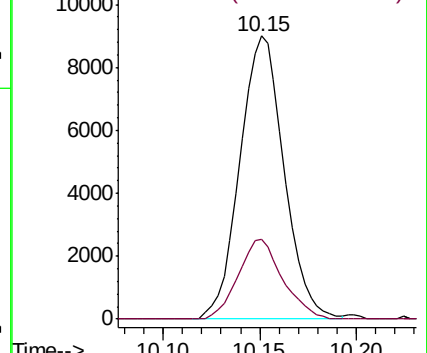
105 100

120 28.2 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 0.461 ug/l

RT: 10.44 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

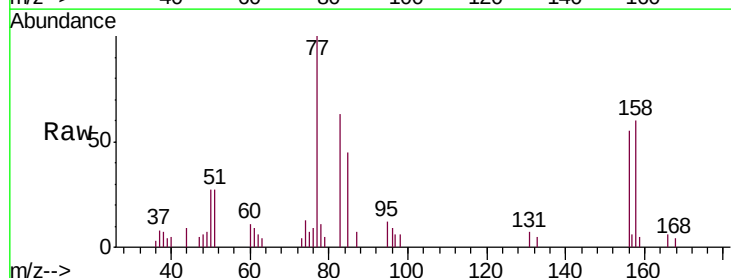
Tgt Ion: 83 Resp: 4204

Ion Ratio Lower Upper

83 100

131 8.0 8.0 12.0#

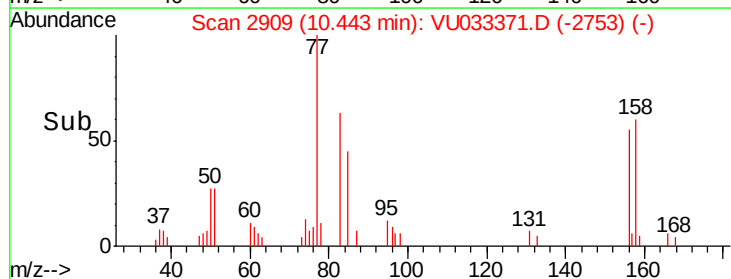
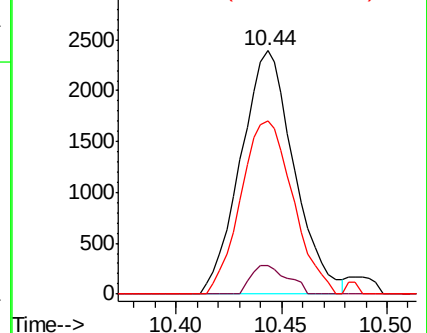
85 69.6 51.8 77.8

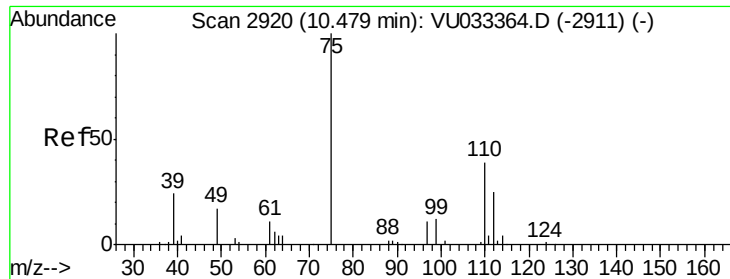


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

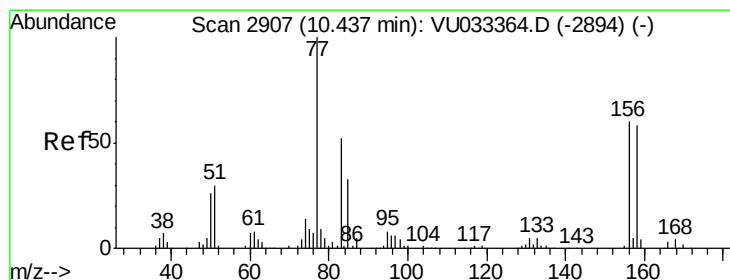
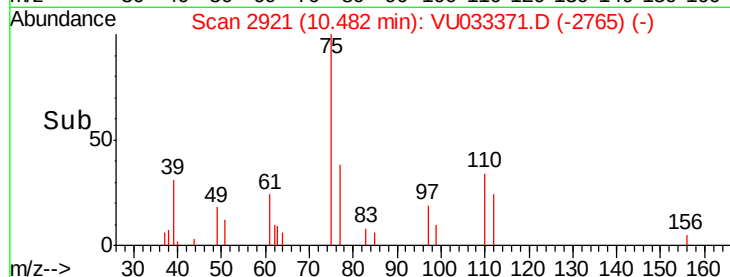
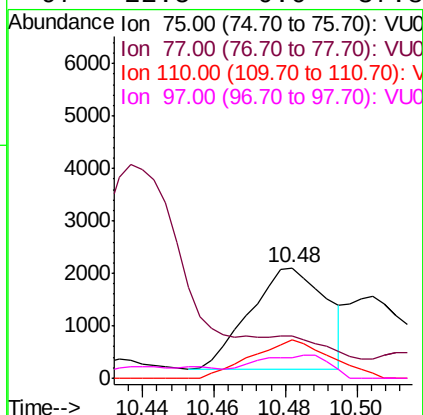
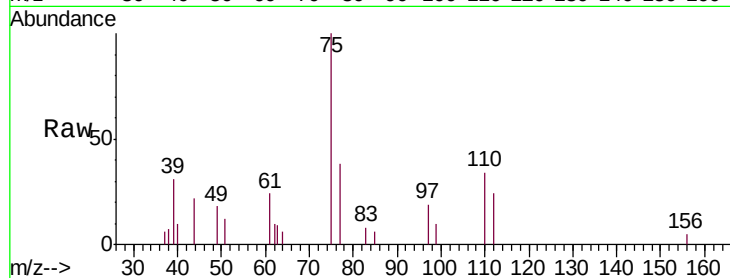




#71  
1,2,3-Trichloropropane  
Concen: 0.407 ug/l  
RT: 10.48 min Scan# 2921  
Delta R.T. 0.00 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

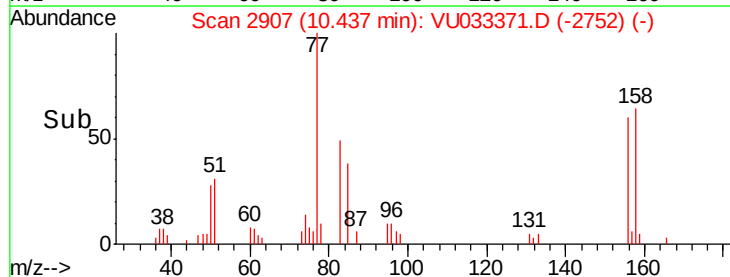
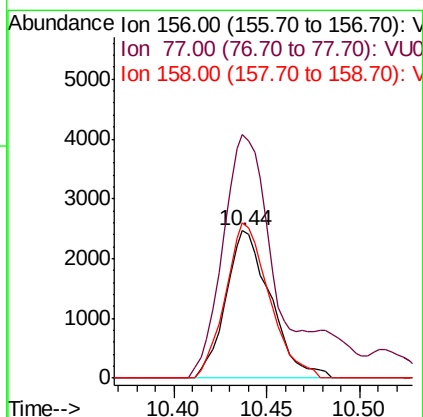
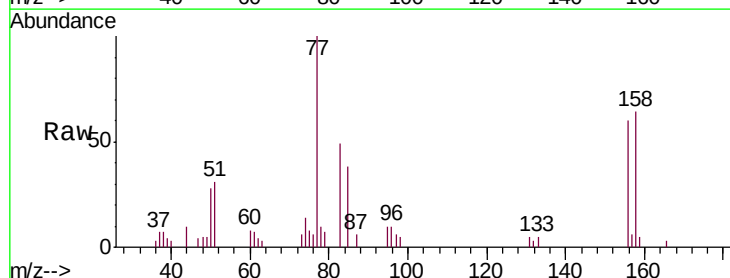
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT3-2019

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 2869  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 22.3  | 0.0   | 18.2# |
| 110      | 39.2  | 0.0   | 71.4  |
| 97       | 22.5  | 0.0   | 37.8  |

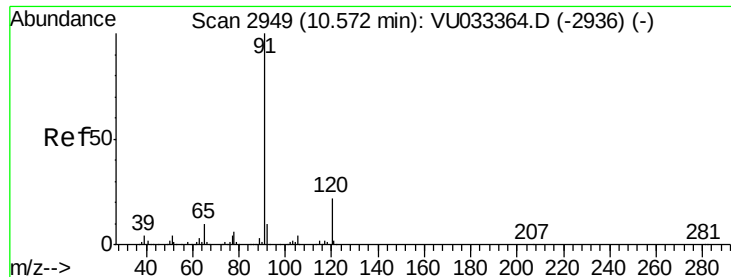


#72  
Bromobenzene  
Concen: 0.449 ug/l  
RT: 10.44 min Scan# 2907  
Delta R.T. -0.00 min  
Lab File: VU033371.D  
Acq: 23 Jul 2019 10:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 156   | Resp: | 4149  |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 182.2 | 0.0   | 324.4 |
| 158      | 102.6 | 0.0   | 192.4 |







#73

n-propylbenzene

Concen: 0.411 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

Instrument :

MSVOA\_U

ClientSampleId :

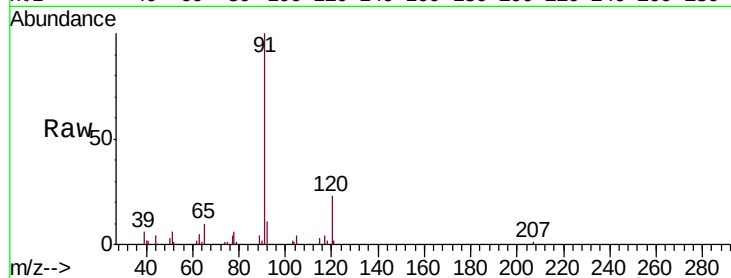
LOQ-WATER-02-QT3-2019

Tgt Ion:120 Resp: 4090

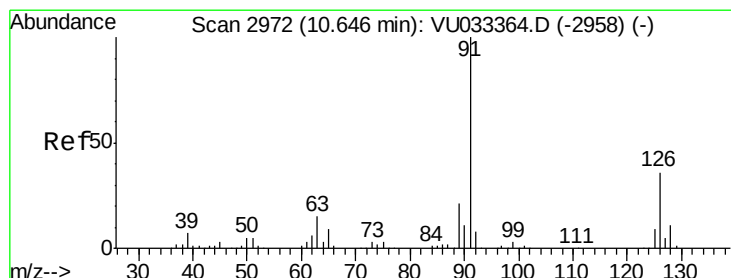
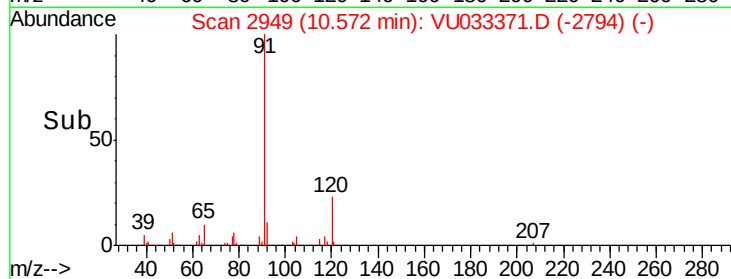
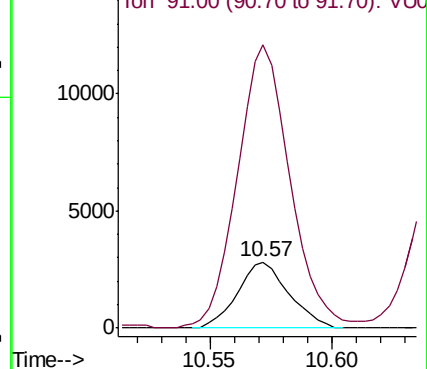
Ion Ratio Lower Upper

120 100

91 443.6 355.1 532.7



Abundance Ion 120.00 (119.70 to 120.70): V



#74

2-Chlorotoluene

Concen: 0.471 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. -0.00 min

Lab File: VU033371.D

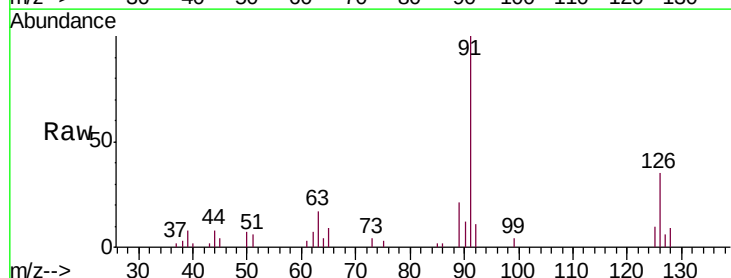
Acq: 23 Jul 2019 10:33

Tgt Ion:126 Resp: 4284

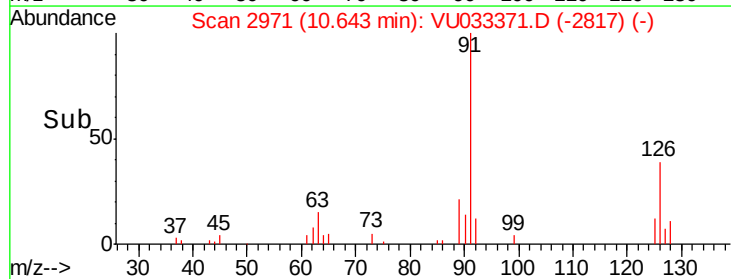
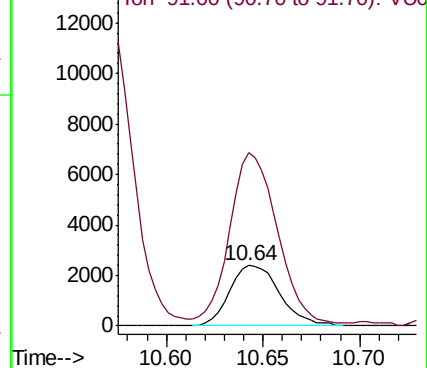
Ion Ratio Lower Upper

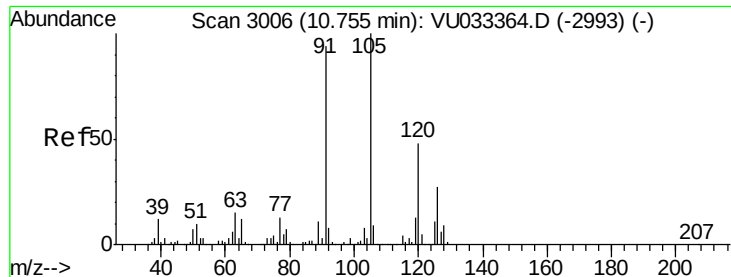
126 100

91 269.6 0.0 598.0



Abundance Ion 126.00 (125.70 to 126.70): V





#75

1,3,5-Trimethylbenzene

Concen: 0.390 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

Instrument :

MSVOA\_U

ClientSampleId :

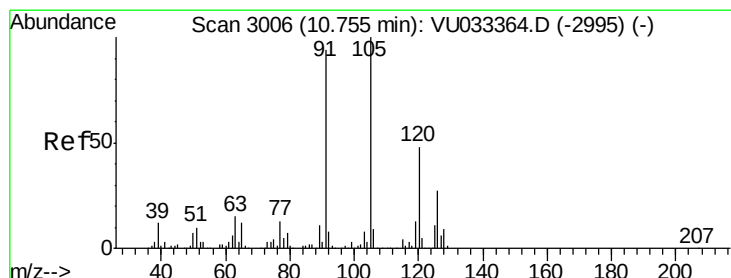
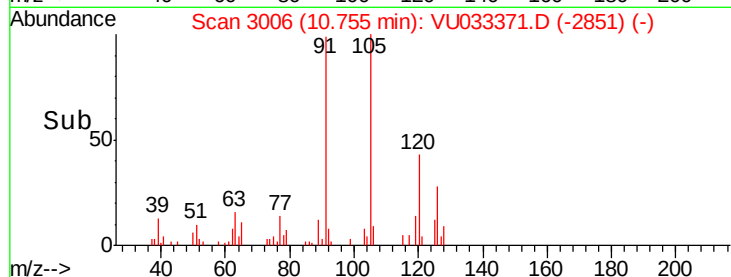
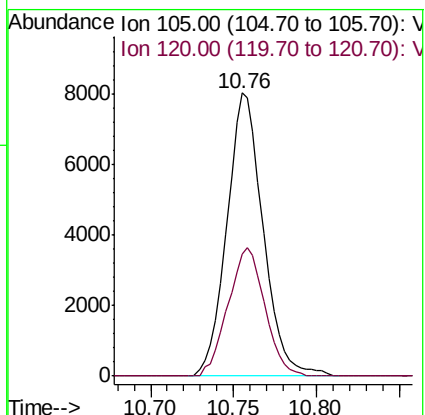
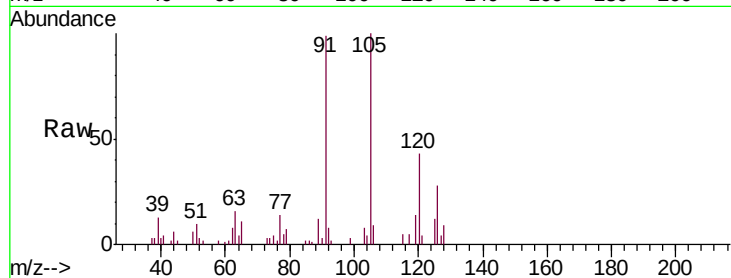
LOQ-WATER-02-QT3-2019

Tgt Ion:105 Resp: 12235

Ion Ratio Lower Upper

105 100

120 45.8 38.2 57.4



#76

4-Chlorotoluene

Concen: 0.404 ug/l

RT: 10.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU033371.D

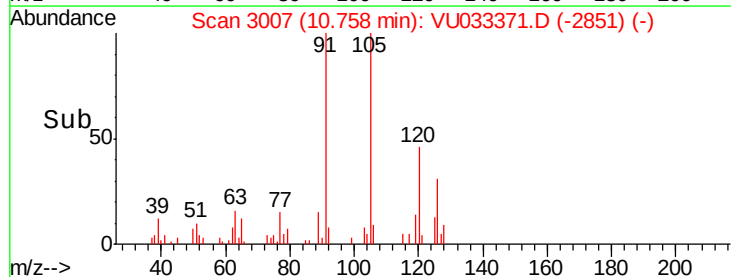
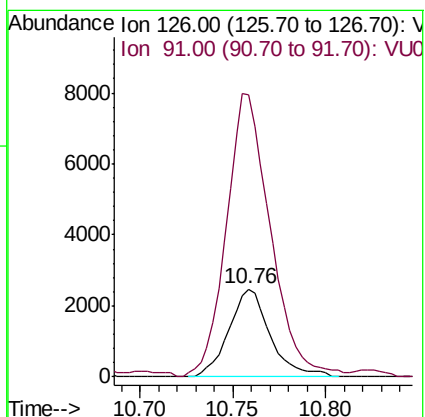
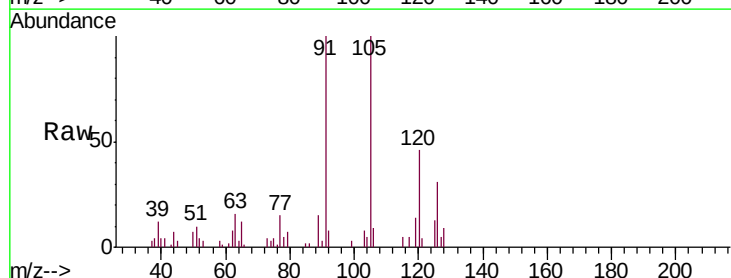
Acq: 23 Jul 2019 10:33

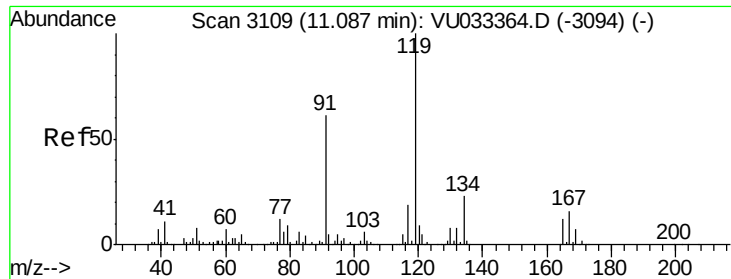
Tgt Ion:126 Resp: 3829

Ion Ratio Lower Upper

126 100

91 345.1 0.0 681.0





#77

tert-Butylbenzene

Concen: 0.446 ug/l

RT: 11.09 min Scan# 3109

Delta R.T. -0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

Instrument :

MSVOA\_U

ClientSampleId :

LOQ-WATER-02-QT3-2019

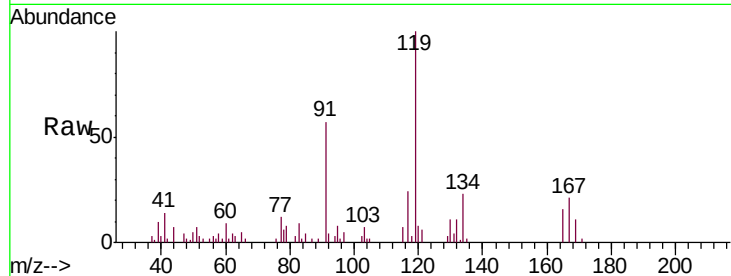
Tgt Ion:119 Resp: 13260

Ion Ratio Lower Upper

119 100

91 59.5 30.4 91.3

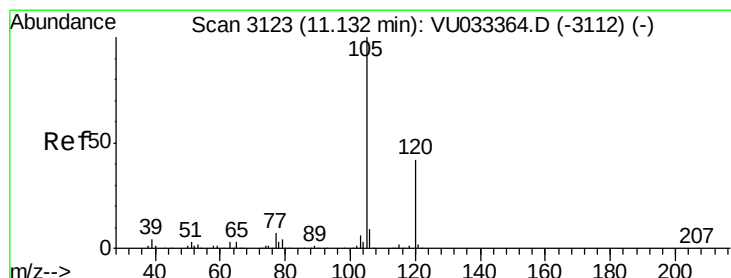
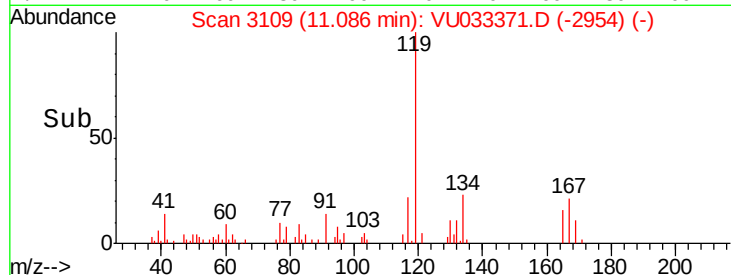
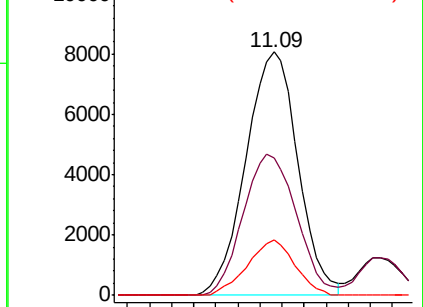
134 20.7 18.5 27.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 0.373 ug/l

RT: 11.13 min Scan# 3124

Delta R.T. 0.00 min

Lab File: VU033371.D

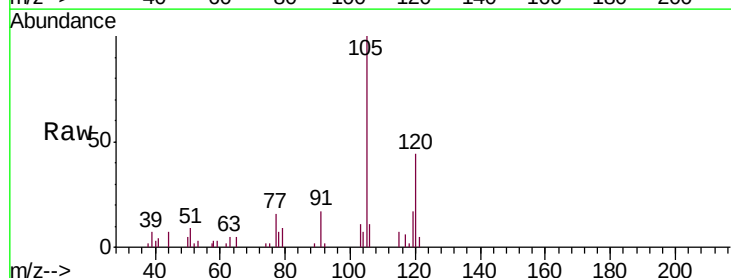
Acq: 23 Jul 2019 10:33

Tgt Ion:105 Resp: 11953

Ion Ratio Lower Upper

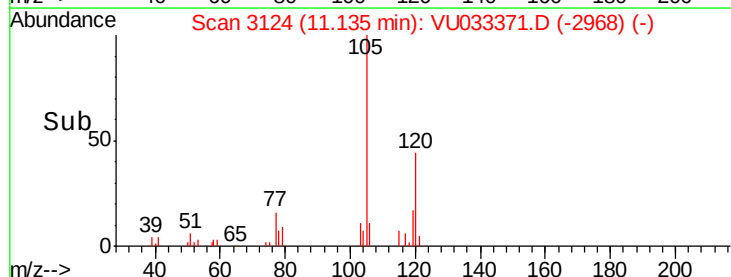
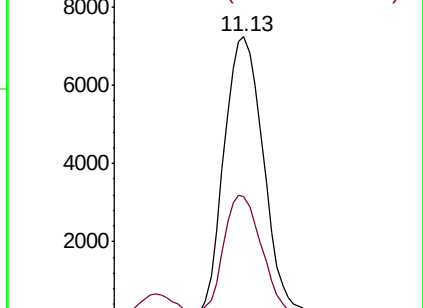
105 100

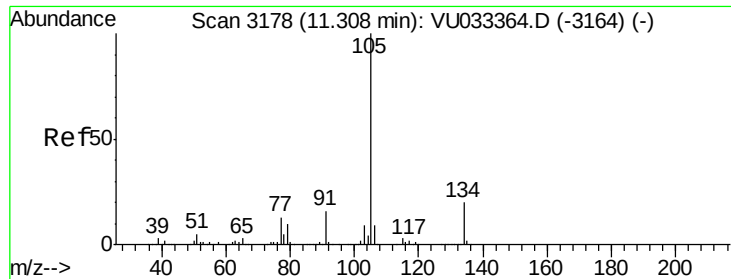
120 43.3 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 0.404 ug/l

RT: 11.31 min Scan# 3178

Delta R.T. -0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

Instrument :

MSVOA\_U

ClientSampleId :

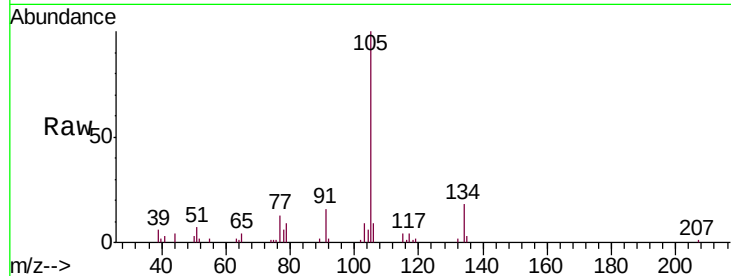
LOQ-WATER-02-QT3-2019

Tgt Ion:105 Resp: 16530

Ion Ratio Lower Upper

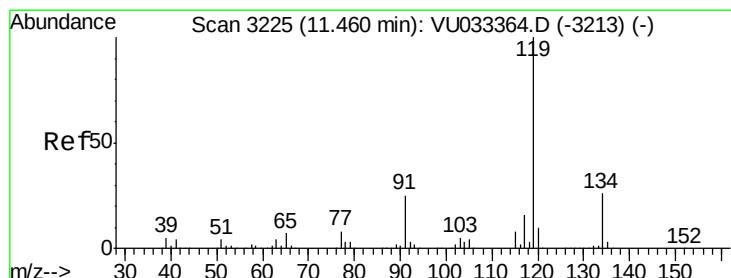
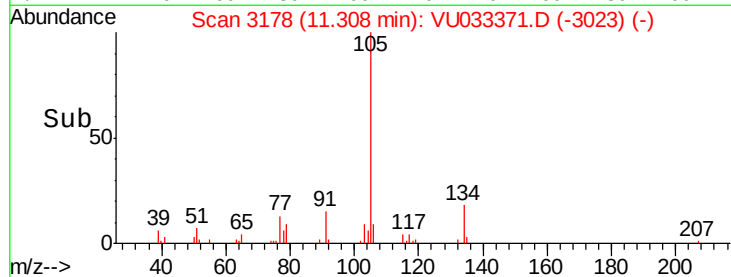
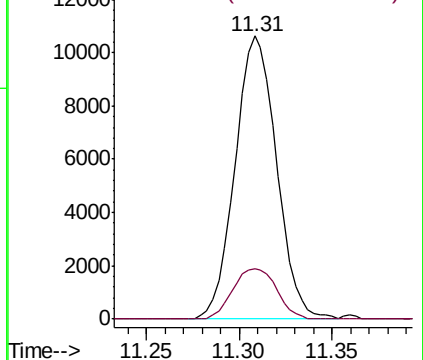
105 100

134 18.8 15.5 23.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#81

p-Isopropyltoluene

Concen: 0.384 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

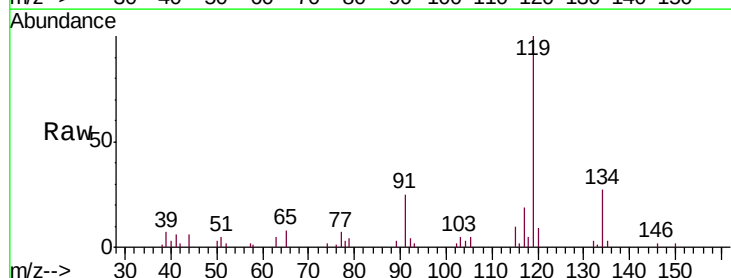
Tgt Ion:119 Resp: 12764

Ion Ratio Lower Upper

119 100

134 27.0 21.0 31.4

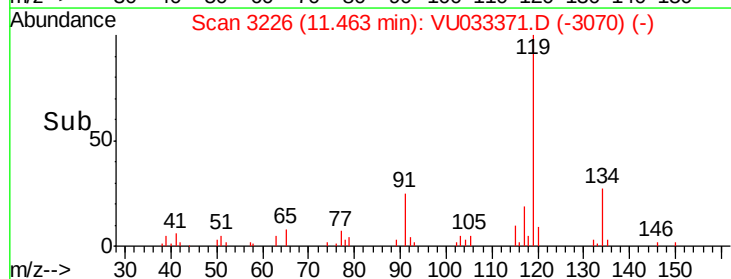
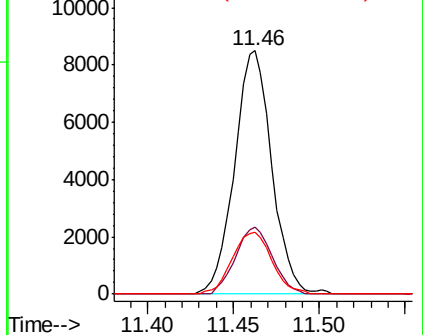
91 27.0 19.8 29.6

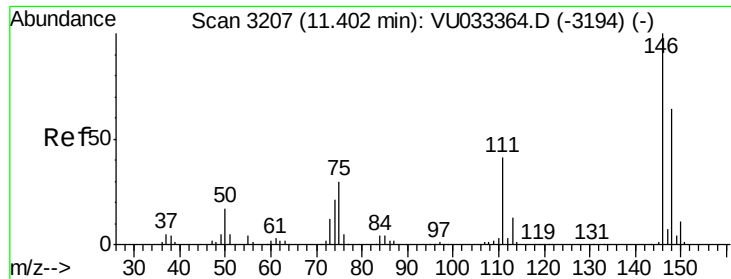


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#82

1,3-Dichlorobenzene

Concen: 0.449 ug/l

RT: 11.40 min Scan# 3208

Delta R.T. 0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

Instrument :

MSVOA\_U

ClientSampleId :

LOQ-WATER-02-QT3-2019

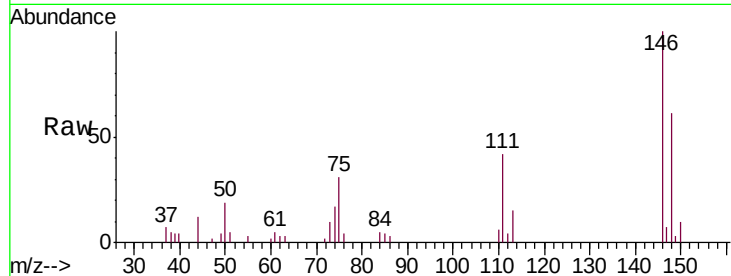
Tgt Ion:146 Resp: 8807

Ion Ratio Lower Upper

146 100

111 45.5 33.3 49.9

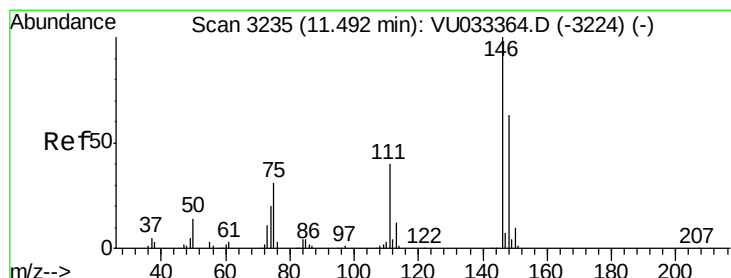
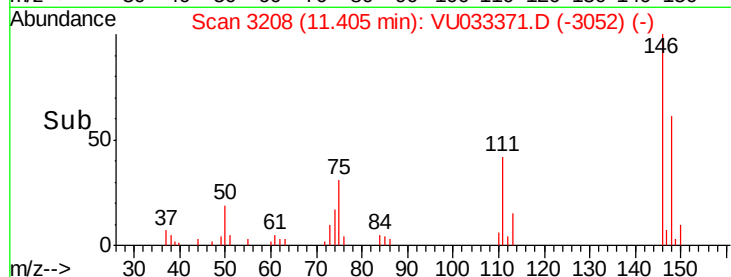
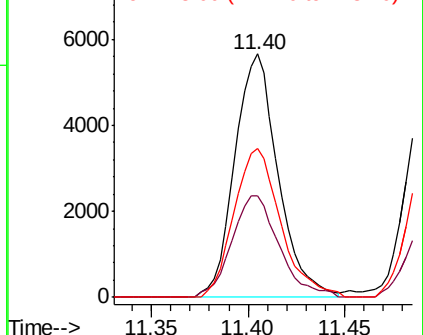
148 65.8 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#83

1,4-Dichlorobenzene

Concen: 0.448 ug/l

RT: 11.49 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

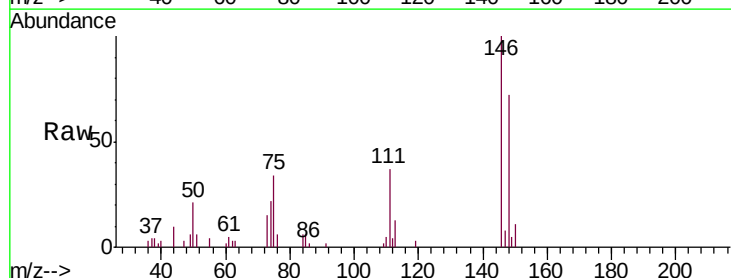
Tgt Ion:146 Resp: 8702

Ion Ratio Lower Upper

146 100

111 38.0 32.2 48.4

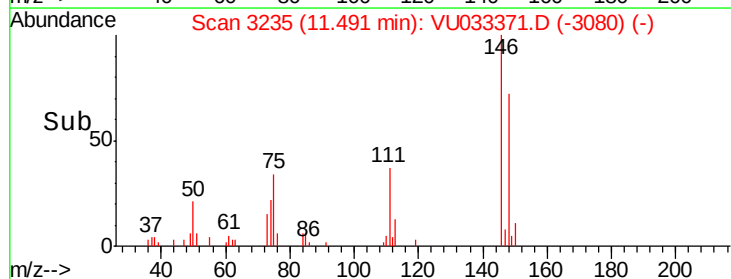
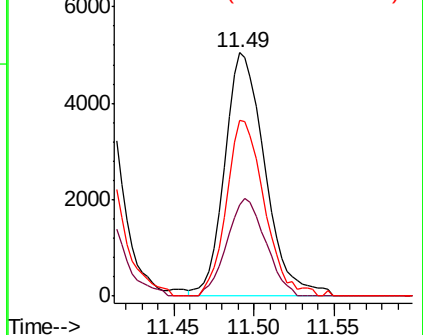
148 67.6 51.0 76.4

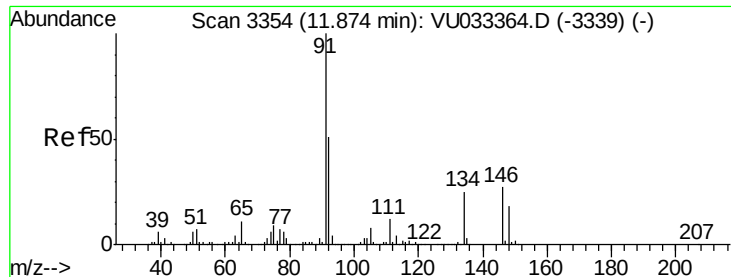


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#84

n-Butylbenzene

Concen: 0.392 ug/l

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

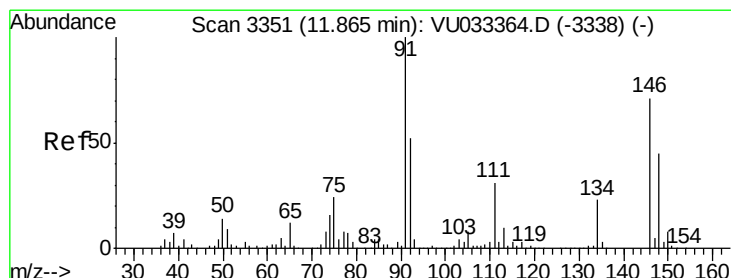
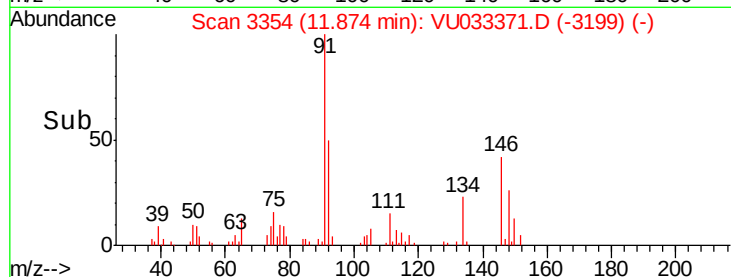
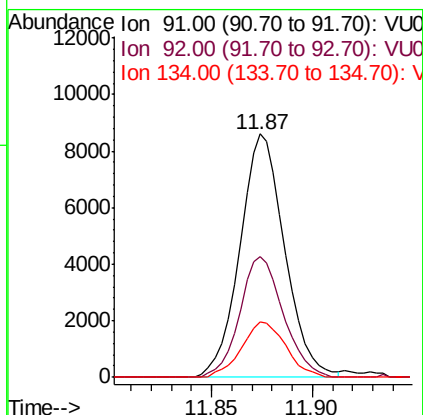
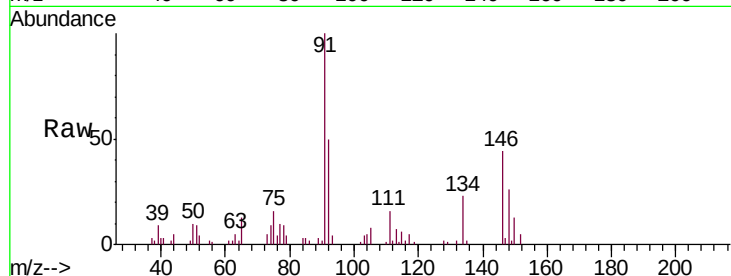
Instrument :

MSVOA\_U

ClientSampleId :

LOQ-WATER-02-QT3-2019

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 13365 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 48.4  | 41.0  | 61.6  |
| 134      | 22.4  | 19.5  | 29.3  |



#85

1,2-Dichlorobenzene

Concen: 0.479 ug/l

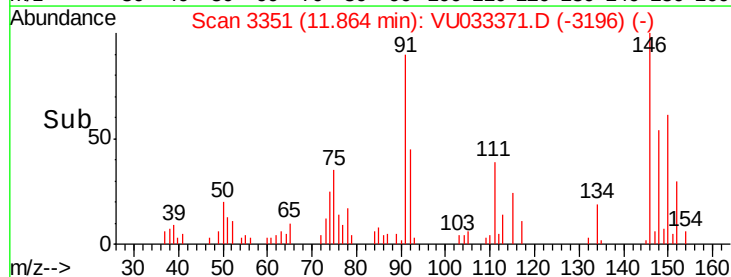
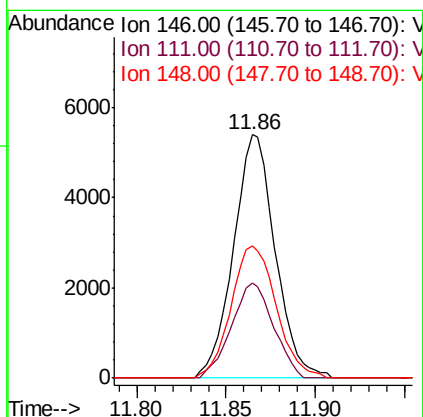
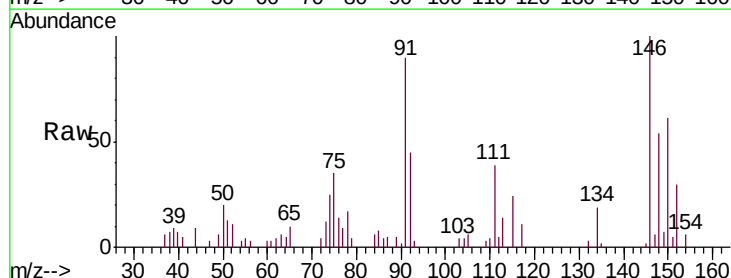
RT: 11.86 min Scan# 3351

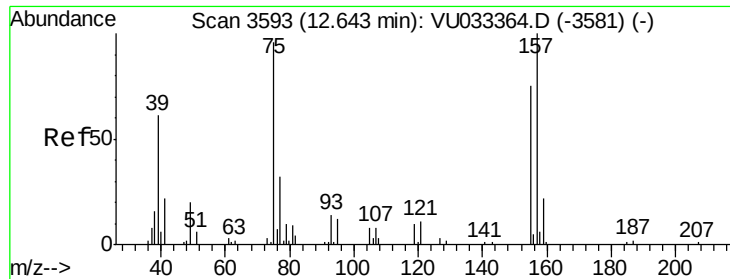
Delta R.T. -0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 8816  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 39.2  | 21.7  | 65.1  |
| 148      | 58.7  | 32.0  | 96.0  |

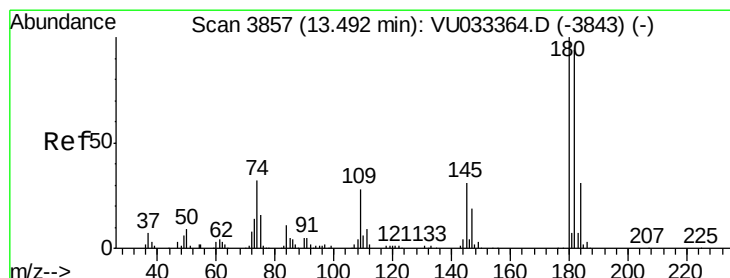
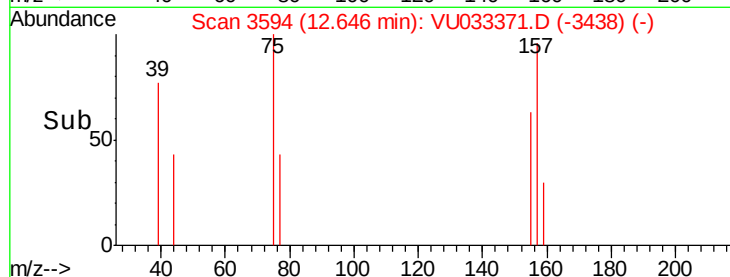
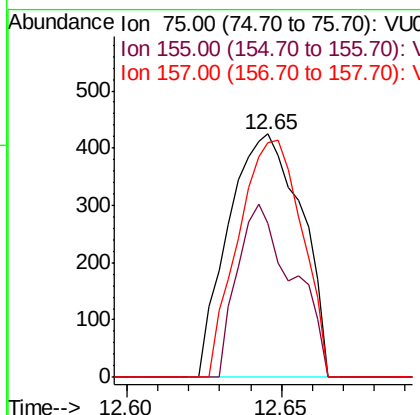
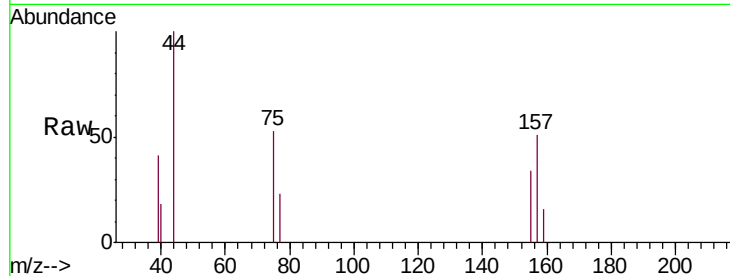




#86  
 1,2-Dibromo-3-Chloropropane  
 Concen: 0.484 ug/l  
 RT: 12.65 min Scan# 3594  
 Delta R.T. 0.00 min  
 Lab File: VU033371.D  
 Acq: 23 Jul 2019 10:33

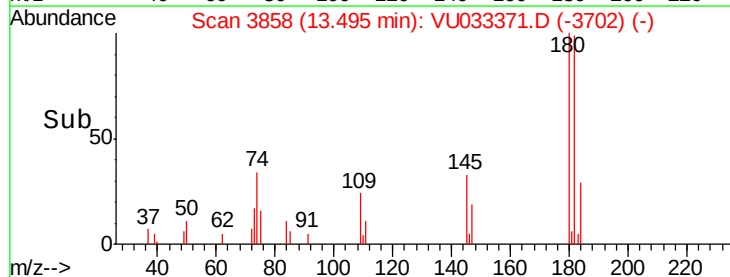
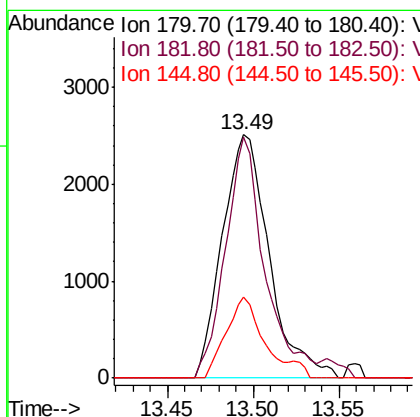
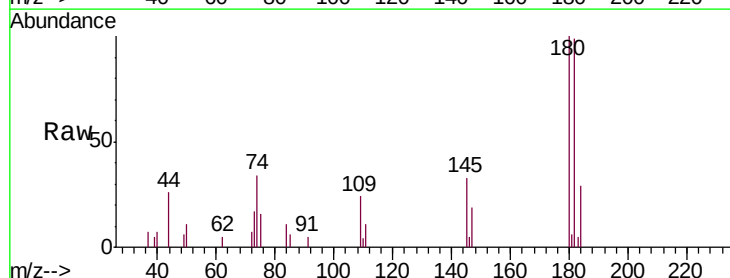
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOQ-WATER-02-QT3-2019

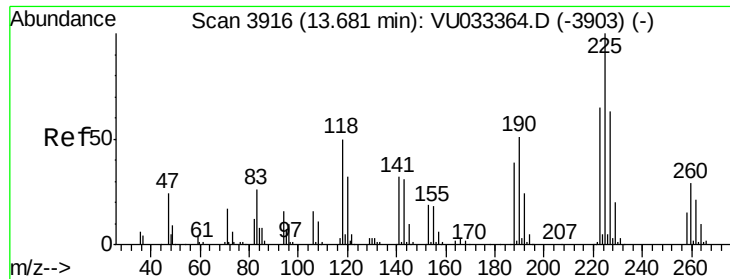
Tgt Ion: 75 Resp: 695  
 Ion Ratio Lower Upper  
 75 100  
 155 54.5 63.3 94.9#  
 157 84.9 82.5 123.7



#87  
 1,2,4-Trichlorobenzene  
 Concen: 0.436 ug/l  
 RT: 13.49 min Scan# 3858  
 Delta R.T. 0.00 min  
 Lab File: VU033371.D  
 Acq: 23 Jul 2019 10:33

Tgt Ion: 180 Resp: 4773  
 Ion Ratio Lower Upper  
 180 100  
 182 83.3 76.2 114.4  
 145 27.7 25.0 37.4





#88

Hexachlorobutadiene

Concen: 0.502 ug/l

RT: 13.68 min Scan# 3915

Delta R.T. -0.00 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

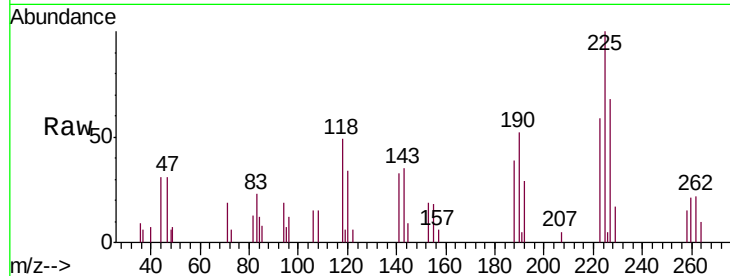
Instrument :

MSVOA\_U

ClientSampleId :

LOQ-WATER-02-QT3-2019

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 3392  |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 56.7  | 52.2  | 78.4  |
| 227      | 64.9  | 51.7  | 77.5  |

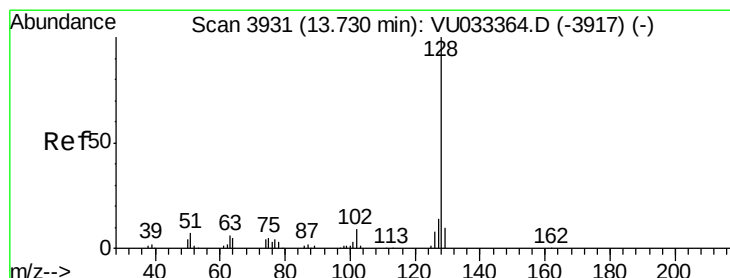
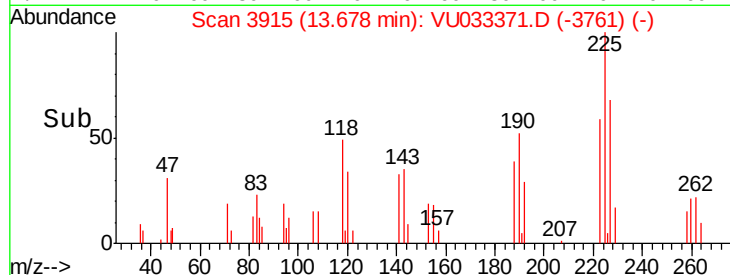
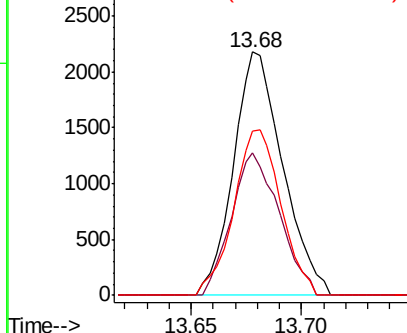


Abundance

Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V



#89

Naphthalene

Concen: 0.336 ug/l

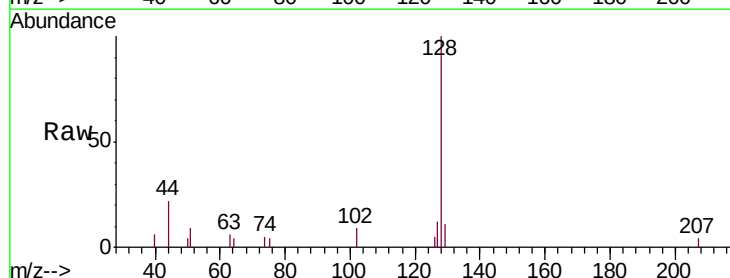
RT: 13.74 min Scan# 3933

Delta R.T. 0.01 min

Lab File: VU033371.D

Acq: 23 Jul 2019 10:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 6411  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 11.9  | 10.8  | 16.2  |
| 129      | 8.5   | 8.5   | 12.7  |

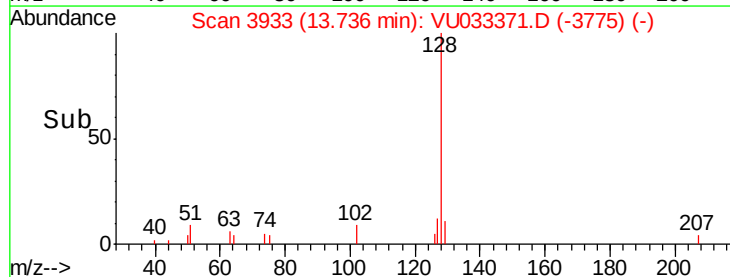
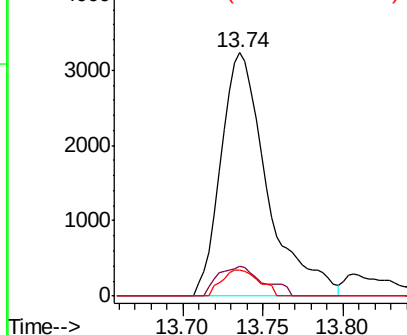


Abundance

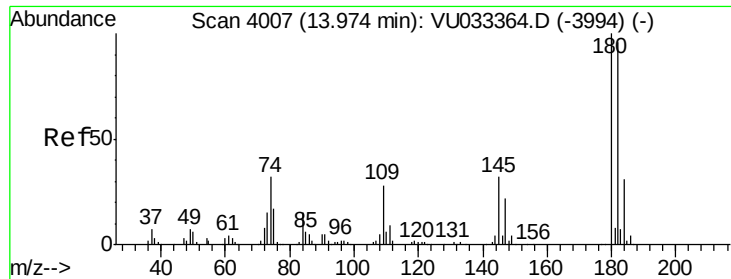
Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



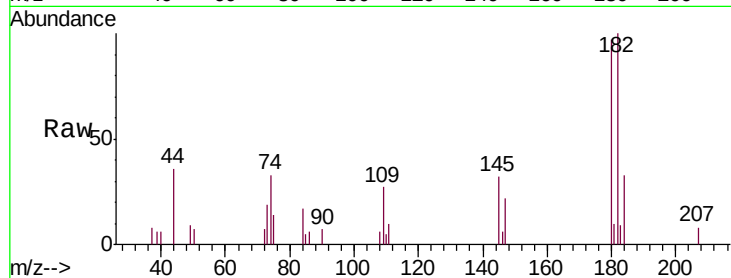




#90  
 1,2,3-Trichlorobenzene  
 Concen: 0.415 ug/l  
 RT: 13.98 min Scan# 4008  
 Delta R.T. 0.00 min  
 Lab File: VU033371.D  
 Acq: 23 Jul 2019 10:33

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOQ-WATER-02-QT3-2019

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 84.4  | 77.9  | 116.9 |
| 145     | 32.1  | 25.8  | 38.8  |



Abundance Ion 179.70 (179.40 to 180.40): V  
 Ion 181.70 (181.40 to 182.40): V  
 Ion 144.80 (144.50 to 145.50): V

